

HANDBOOK OF U.S. LABOR STATISTICS

EMPLOYMENT, EARNINGS, PRICES, PRODUCTIVITY, AND OTHER LABOR DATA

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Edited by Eva E. Jacobs

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EDITOR

Eva E. Jacobs

ASSOCIATE EDITOR

Mary Meghan Ryan

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ABOUT THE EDITORS

Eva E. Jacobs, editor of *Handbook of U.S. Labor Statistics* since the first edition, served as Chief of the Division of Consumer Expenditure Surveys at the U.S. Bureau of Labor Statistics (BLS) for over 20 years. As manager of this division, Ms. Jacobs was responsible for the ongoing Consumer Expenditure Survey, which tracked the expenditure patterns of U.S. households over time. Ms. Jacobs also held positions in the Productivity Division and the Economic Growth Division. More recently, she acted as advisor on cost of living projects for both government and private consultants. Currently, Ms. Jacobs serves as chair of a panel advising the Safe Harbor Working Group on issues related to cost of living adjustments for federal employees in Alaska, Hawaii, Guam, Puerto Rico, and the Virgin Islands. Ms. Jacobs was the 1998 recipient of the Julius Shiskin Award, given by the National Association of Business Economists and the Washington Statistical Society for distinguished contributions to Economic Statistics.

Mary Meghan Ryan is a data analyst with Bernan Press. She received her bachelor's degree in economics from the University of Maryland and is a former economist with the American Economics Group. Additionally, Ms. Ryan has worked as a research assistant for FRANDATA. Ms. Ryan is also an associate editor of the eighth edition of *Business Statistics of the United States* and the first edition of *Vital Statistics of the United States*, both published by Bernan Press.

PREFACE

As the economy changes, different aspects become of concern. During periods of concern about inflation, as in the nineties, the movement of prices, as reflected in the Consumer and Producer Price indexes, is the center of attention. During periods of recession or slow economic growth, as in the years 2000–2003, the unemployment rate and the number of unemployed workers receives widespread attention. At the same time, there are non-cyclical changes going on in society that raise questions. What has been the impact of immigration on the structure of the labor force? Which industries are expected to provide employment growth in the future? How has technology changed the occupational and educational requirements of industry? How have the demographic changes in the population affected the pattern of pension plans offered by employers? How have the consumption patterns of various groups in the population changed?

Other policy questions continue to be debated even as the economy recovers slowly from the recession of 2000–2001. One persistent problem has been the increasing medical care costs faced by the government, industry, and individuals. What has been the increase in the price of prescription drugs and medical services? What other factors influence these costs? How have medical benefits provided by employers been influenced by these increases?

Answering questions such as these for the future requires information about the present and the past. The U.S. Bureau of Labor Statistics (BLS) provides a treasure trove of historical information about the labor market, prices, and productivity. Bernan Press is pleased to present this eighth edition of its award-winning *Handbook of U.S. Labor Statistics* containing a compilation of such BLS data. The current publication maintains and updates the content of the previous edition and adds additional data and new features.

FEATURES OF THIS PUBLICATION

- Approximately 200 tables present authoritative data on workers, industries, wages, prices, productivity, and international comparisons.
- Introductory articles that call attention to new data or new analyses of data that are of interest to users. There are two articles in this *Handbook*:

The first article analyzes new data on Business Employment Dynamics, which disaggregates the components of establishment-level employment changes. The detail provided gives analysts insight into business openings, closings, expansions, and contractions across the stages of the business cycle and the effect of these activities on employment.

The second article examines the effect of outsourcing and offshoring on BLS productivity measures. The authors conclude that the effect is small and there does not appear to be an explanation for the recent speed-up of productivity.

- Other articles in previous editions of the *Handbook* have described the new classification systems for occupations (SOC, third ed.) and industries (NAICS, sixth ed.), which are being introduced in all federal surveys.
- An introduction to each chapter that highlights some salient data in the following numerous tables.
- One or more charts in each chapter that call attention to noteworthy trends. A summary of important economic trends is in the beginning of the *Handbook*.
- Each major section is preceded by a concise description of the data sources, concepts, definitions, and methodology from which tables are derived.
- The introductory notes also contain references to more comprehensive reports that generally provide more data and more detailed descriptions of estimation methods and reliability measures.

NEW IN THIS EDITION

- There are two major new series that are introduced in this edition of the *Handbook*:
 - One consists of the Business Employment Dynamics (BED) data, which forms the basis of the analysis in the introductory article on that subject. There are three new tables relating to BED.
 - A new chapter, Chapter 12, presents the first results of the new American Time Use Survey (ATUS). This survey, which was first described in the sixth edition of this *Handbook*, collects information on how people living in the United States spend their time. Estimates show the kinds of activities people do and the time spent doing them. There are six new tables from this survey.
- There are significant changes in some chapters resulting from the new industrial and occupational classification systems. These changes lead to incomparability between the earlier and later data. These changes are described in the introductory Notes and Definitions for the appropriate chapter.
- There are several more charts than in the previous editions of this *Handbook*.

- All tables are updated with the latest annual data available at the time of the publication deadline.

SOURCES OF ADDITIONAL INFORMATION

BLS data, for the most part, are derived from surveys conducted by the federal government or through federal-state cooperative arrangements. The comparability of data over time can be affected by the changes in the surveys that are needed to keep pace with the current structure of economic institutions or to take advantage of improved survey techniques. Revisions of current data are also made periodically as a result of the availability of new information. In addition, some tables in this *Handbook* were dropped because the data are from a one-time survey that is now outdated, such as the data on training (1995) or the survey has been restructured entirely. Introductory notes to each chapter summarize the specific factors that may affect the data in that chapter. In the tables, the ellipsis character (“...”) has been used to indicate data that are not available.

More extensive methodological information, including sampling and estimation procedures for all BLS programs, is contained in the BLS *Handbook of Methods*, BLS Bulletin 2490, April 1997. That publication is being updated as each chapter is completed. The completed chapters are available on the BLS Web site. Other sources of current data and analytical articles are the *Monthly Labor Review* and a daily Internet publication, *The Editor's Desk* (TED). The Internet address for the BLS home page is <www.bls.gov>. Other relevant publications are noted at the end of the individual chapters.

ACKNOWLEDGEMENTS

Preparation of this book was very much a team activity. Mary Meghan Ryan capably researched the data and

compiled the tables. Deirdre Gaquin prepared the special tabulations of data from the Current Population Survey. Kara Prezocki, assisted by Rebecca Zayas, prepared all graphics and layout. Jacalyn Houston copyedited this edition. Tamera Wells-Lee managed the overall editorial and production aspects of this volume. I extend my sincere gratitude to these individuals for their skills, professionalism, and cooperative effort—all of which made this publication possible.

Particular thanks go to the BLS staff members too numerous to mention by name who patiently answered questions and provided material.

OTHER PUBLICATIONS BY BERNAN PRESS

The *Handbook of U.S. Labor Statistics* is one of a number of publications in Bernan Press' award-winning U.S. DataBook Series. Other titles in the U.S. DataBook Series include *Business Statistics of the United States: Patterns of Economic Change*; *Vital Statistics of the United States: Births, Life Expectancy, Deaths, and Selected Health Data*; and the forthcoming *United States Foreign Trade Highlights*. Each of these titles provides the public with statistical information from official government sources.

Other publications published by Bernan Press include *Social Change in America: The Historical Handbook*; *Datapedia of the United States: American History in Numbers*; and *The Almanac of American Education*, selected by *CHOICE* as an Outstanding Academic Title.

If you have any questions or suggestions on how we may make future editions even more useful, please contact us by email at bpress@bernan.com or write us at Bernan Press, 4611-F Assembly Dr., Lanham, MD 20706. Visit our Web site at <<http://www.bernanpress.com>>.

ARTICLE 1

BUSINESS EMPLOYMENT DYNAMICS: NEW DATA ON GROSS JOB GAINS AND LOSSES

The new BLS business employment dynamics data series captures establishment-level employment changes that are absent from other BLS series; the detail provided gives researchers insight into business openings, closings, expansions, and contractions across the stages of the business cycle. This article is excerpted from the April 2004 edition of the Monthly Labor Review.

One of the most watched economic indicators in the United States is the monthly change in nonfarm payroll employment released by the Bureau of Labor Statistics (BLS). Changes in this indicator can affect stock market movements and interest rate decisions considerably. The monthly change in nonfarm payroll employment gives the *net* change in the number of jobs over a particular month—the overall change, given that some establishments have opened, some have expanded, some have contracted, and some have closed. This article presents new BLS data on quarterly *gross* job gains and losses.

The new BLS measures of gross job gains and gross job losses afford a more thorough understanding of the employment decisions of the millions of business establishments in the U.S. economy. Examining establishment-level employment changes aids in analyzing both the large gross job flows that underlie the substantially smaller net employment changes and the establishment-level employment dynamics across various stages of the business cycle.

The article begins with definitions of *gross job gains* and *gross job losses*. Following this introductory section are a description of the source data used by the bureau to generate estimates of quarterly gross job gains and gross job losses and an explanation of the methodology employed for longitudinally linking establishment records. The heart of the article is the presentation of the new BLS business employment dynamics data series. Special attention is given to how the business employment dynamics data compare with other BLS establishment-based employment series, and establishment openings and closings relative to births and deaths. The article concludes with a summary of ongoing work and planned future enhancements to the gross job gains and gross job loss statistics at the bureau.

CONCEPTS AND DEFINITIONS

The net result of the millions of business establishments in the U.S. economy changing their specific employment levels is a change in aggregate employment from one quarter to the next. While this aggregate net change identifies the overall growth or decline of the labor market, it does not convey the underlying heterogeneity of the many establishments that open, expand, contract, and close every quarter. By contrast, statistics on gross job

gains and gross job losses aggregate the establishment-level employment changes in such a way that one can observe and assess the underlying dynamics.

The bureau uses a number of definitions pertaining to gross job gains and gross job losses. *Gross job gains* are the sum of all employment increases at either opening or expanding establishments. An *opening* establishment is an establishment that has positive employment in the current quarter and that either had zero employment or was not in the database the previous quarter. An *expanding* establishment is a continuous unit that increases its employment from a positive level in the previous quarter to a higher level in the current quarter. *Gross job losses* are the sum of all employment losses at either closing or contracting establishments. A *closing* establishment is an establishment that had positive employment in the previous quarter and that either has zero employment or is not in the database in the current quarter. A *contracting* establishment is a continuous unit that decreases its employment from the previous quarter to a lower positive level in the current quarter. The familiar net change in employment is the difference between the gross job gains and the gross job losses.

Many establishments do not change their level of employment from one quarter to the next. For example, between the first and second quarters of 2003, 3.1 million U.S. establishments with workers did not change their employment levels. Those establishments that keep their employment constant do not contribute to the count of either gross job gains or gross job losses. However, such establishments and their employment levels are included in the count of the total number of establishments and the aggregate level of employment.

By dividing estimates of gross job gains and gross job losses by the average of the current and previous quarters' employment, the bureau expresses those estimates as *rates*. This approach provides a symmetric growth rate, so that one can add and subtract the rates just as one can the levels. For instance, the net growth rate is the difference of the gross job gain rate and the gross job loss rate.

An example can help clarify the concepts of gross job gains and gross job losses. For the rest of this paragraph, the data discussed are not seasonally adjusted. In March 2003, there were 105,079,625 jobs and in June 2003, there

were 107,615,979 jobs. Thus, employment increased by 2,536,354 jobs during the second quarter of 2003. This employment growth can be decomposed into expanding, opening, contracting, and closing establishments. Employment in expanding establishments grew by 7,229,797 jobs, employment in opening establishments by 1,754,671 jobs. The level of gross job gains was 8,984,468 jobs during the second quarter of 2003, a rate of 8.5 percent. Employment in contracting establishments declined by 5,093,167 jobs, and closing establishments accounted for the loss of 1,354,947 jobs. The level of gross job losses was 6,448,114 jobs during the second quarter of 2003, a rate of 6.1 percent. The difference between the gross job gains and the gross job losses constituted the net employment increase of 2,536,354 jobs, a rate of 2.4 percent.

Both gross job gains and gross job losses are the sums of net changes in employment at the establishment level and are referred to collectively as *gross job flows*. For example, if an establishment increases its employment from 100 workers to 120 workers, the 20 additional jobs are classified as gross job gains. This count of gross job gains does not measure the dynamics of workers into and out of jobs in the establishment. For instance, the addition of 20 jobs during the quarter might have occurred either with the addition of 20 new hires or by the net of 30 new hires and 10 separations.

LONGITUDINAL ESTABLISHMENT MICRODATA

Source of data. The source of the data used for constructing the new BLS business employment dynamics data series is the Quarterly Census of Employment and Wages (QCEW), also known as the ES-202 program. A comprehensive and accurate source of information on employment and wages, the data gathered in the QCEW program provide a virtual census (98 percent) of employees on nonfarm payrolls. In the second quarter of 2003, the QCEW statistics show an employment level of 129.2 million, in 8.2 million establishments in the U.S. economy. The QCEW data are derived from quarterly Unemployment Insurance (UI) administrative microdata. All employers subject to State UI laws are required to submit quarterly reports detailing their monthly employment and quarterly wages to the State Employment Security Agencies. After the microdata are edited and, if necessary, corrected by the State Labor Market Information staff, the states submit the data and other business identification information to the bureau as part of the Federal-State cooperative QCEW program.

The linkage methodology. Following establishments across time with administrative UI microdata is a complex and challenging exercise. Creating the business

employment dynamics data series requires a thorough understanding of how businesses operate and how they file their UI tax forms. The manner in which businesses report administrative changes and changes in ownership can result in establishments obtaining new UI identifiers even though no economic changes occurred. Failing to capture and link such noneconomic changes would result in an overstatement of establishment openings and closings and thus an overstatement of job turnover in the economy. Accordingly, the bureau has developed a multi-step process for linking business establishment data over time. The process consists of four steps: two distinct administrative matches, a probability-based weighted match, and an analyst intervention match.

GROSS JOB GAINS AND GROSS JOB LOSSES

Cross-Sectional Results

During the second quarter of 2003, the economy lost a (seasonally adjusted) total of 180,000 jobs. This employment decline is the net result of two factors: the jobs gained by opening and expanding establishments and the jobs lost by closing and contracting establishments. Opening and expanding establishments gained 7.5 million jobs in the second quarter of 2003, while closing and contracting establishments lost 7.7 million jobs. Each of these figures is substantially larger than the net employment change statistic, which illustrates the sizable amount of job “churning” that occurs in the U.S. economy every quarter.

Gross job gains result from expanding and opening establishments. How large are these two components relative to each other? In the second quarter of 2003, employment in expanding establishments grew by 6.0 million jobs and employment in opening establishments grew by 1.5 million. These statistics indicate that expanding establishments account for 80 percent, and opening establishments for 20 percent, of quarterly gross job gains. With regard to gross job losses, employment in contracting establishments declined by 6.1 million jobs, employment in closing establishments by 1.6 million jobs. Thus, contracting establishments accounted for 80 percent, and closing establishments for 20 percent, of quarterly gross job losses. Expanding and contracting establishments accounted for most jobs gained and lost when measured quarterly.

Measured in percentages rather than levels, the gross job gain rate in the U.S. private-sector economy was 7.0 percent between March 2003 and June 2003, and the gross job loss rate for the quarter was 7.3 percent. The interpretation of these statistics is that the jobs gained in opening and expanding establishments during the quarter

made up 7.0 percent of the total number of jobs and the jobs lost from closing and contracting establishments during the quarter constituted 7.3 percent of the total number of jobs. The difference of -0.3 percent between the gross job gain rate and the gross job loss rate is the net employment growth rate, seasonally adjusted, between March 2003 and June 2003.

An important component of the business employment dynamics data series is the establishment counts underlying the gross job gains and gross job losses. Looking at the second quarter of 2003 reveals that there were about 1.5 million expanding establishments (22.6 percent of all active establishments) and 1.5 million contracting establishments (22.9 percent) during the quarter. Approximately 332,000 establishments (5.2 percent) opened during the quarter, and 337,000 establishments (5.3 percent) closed during the quarter. The difference of the number of opening establishments and the number of closing establishments (-5,000) is the net change in the number of active establishments during the quarter.

The average expanding establishment added 4.1 jobs during the quarter (5.988 million jobs divided by 1.451 million establishments) and the average contracting establishment lost 4.2 jobs during the quarter (6.140 million jobs divided by 1.465 million establishments). A similar calculation shows that the average opening establishment starts with 4.6 employees in its first quarter of positive employment and the average closing establishment is responsible for the loss of 4.6 employees in the final quarter in which it still has employees.

These business employment dynamics data add to the labor market statistics currently available from the bureau. The traditional measure of net employment change produced by the bureau indicates that employment fell by 180,000 jobs (seasonally adjusted) during the second quarter of 2003. The gross job gains and gross job loss statistics signal that this net employment loss is the result of 6.0 million jobs added at 1.5 million expanding establishments, 1.5 million jobs added at 332,000 opening establishments, 6.1 million jobs lost at 1.5 million contracting establishments, and 1.6 million jobs lost at 337,000 closing establishments. These large gross job flows underlie the substantially smaller net employment change statistic and were calculated from the same administrative UI microdata, without any additional data collection efforts or any additional burden on respondents.

The business employment dynamics statistics also expand our understanding of the U.S. economy. Primarily, the gross job flow and establishment flow statistics reveal the

tremendous amount of churning underlying the net growth rates. Each quarter in the U.S. economy, millions of establishments remaining in operation are adding or subtracting from their workforces, creating a turnover of millions of jobs. At the same time, hundreds of thousands of establishments open and close, causing the simultaneous gain and loss of millions of jobs. These business employment dynamics statistics demonstrate that a sizable number of jobs and establishments appear and disappear in the short time frame of three months.

The business employment dynamics data for any given quarter highlight the large amount of churning that underlies net employment growth. One of the principal uses of these data is to gain an understanding of this continuous churning over the course of the business cycle, which, to a large degree, is defined by the growth (or shrinkage) of employment. The new BLS gross job gain and gross job loss statistics will enable researchers to analyze the extent to which economic recessions and expansions are characterized by changes in business expansions and openings, by changes in business contractions and closings, or by a combination of the two.

Gross Job Gain Rates

The time series of gross job gain rates at expanding and opening establishments, and gross job loss rates at contracting and closing establishments, show that for any given quarter, expanding and contracting establishments account for most jobs gained and most jobs lost, respectively, measured on a quarterly frequency. This is seen in the fact that the job gain rate for expanding establishments and the job loss rate for contracting establishments are in the neighborhood of roughly 6 percent, whereas the job gain rate for opening establishments and the job loss rate for closing establishments are almost always below 2 percent.

The business cycle is most evident in the expanding and contracting establishments the difference between the gross job gain rate due to expansions and the gross job loss rate due to contractions mirrors the overall difference between the gross job gain rate and the gross job loss rate. The difference between the gross job gain rate due to openings and the gross job loss rate due to closings does exhibit some business cycle properties, but this difference is quite small relative to the difference between the corresponding rates for expansions and contractions.

Comparisons with other BLS data series. The net employment change from the business employment dynamics data series will not match the net employment change from the BLS monthly Current Employment Statistics

(CES) survey. With a sample size of more than 400,000 business establishments per month covering about one-third of total nonfarm employment, the CES survey provides detailed and timely industry data on employment, hours, and earnings of workers on nonfarm payrolls. The employment estimates from the CES survey are usually the first major economic indicators to be released each month and are widely used by policymakers and the business community.

There are three key reasons that the business employment dynamics data series will not match the CES estimates. First, the CES estimates are based on monthly surveys from a sample of establishments and are available within two to three weeks of the reference period, whereas the gross job gain and gross job loss statistics are based on a quarterly census of administrative records and are published eight months after the end of the reference period. Second, the CES survey has coverage different from that of the business employment dynamics series—excluding the agriculture sector, but including establishments not covered by the UI program, such as railroads and religious organizations. Third, computing a seasonally adjusted net employment change from seasonally adjusted component series (openings, expansions, contractions, and closings) is different from estimating the net employment change from a seasonally adjusted total employment series.

It is wise to be cautious in attempting to compare net employment change statistics from the CES survey with those from the business employment dynamics data series. The intended use of the latter is to show the large gross job flows that underlie the net change in aggregate employment levels. Data users who want timely information or who want to track net changes in aggregate employment levels over time without regard to the underlying gross job gains and gross job loss statistics should refer to the CES data.

Still, although the net employment change statistic from the CES survey and that from the business employment

dynamics data series may differ in any specific quarter, the time-series behavior of the seasonally adjusted net employment change from the two series is quite similar. This similarity should not be surprising, because the CES survey benchmarks to the QCEW. During the 1990s, the net employment change from the two data series show the same pattern, albeit with differences in any given quarter. Both data series exhibit a substantial decline in net employment growth during 2001, with continued negative net employment growth through calendar year 2002.

These new gross job gain and gross job loss statistics will help economists, policymakers, and business leaders better understand the labor market and the U.S. economy. The data described represent just the start of a number of new data series flowing from the Business Employment Dynamics program. In addition to publishing the national-level data described herein, the bureau is preparing further data series at more detailed levels. Plans are in the works to release gross job gain and gross job loss statistics for industries and geographical regions, although confidentiality restrictions will determine just how much detail will be published. The bureau also is working on gross job gain and gross job loss data by size class, which will allow the commonly asked question “Who creates the most jobs?” to be answered. The statistics presented in this article are all at the establishment level; the bureau is working on gross job gain and gross job loss statistics at the firm level as well. Finally, BLS researchers are working on annual gross job gain and gross job loss statistics, and related issues such as business survival rates.

Authors: James R. Spletzer, R. Jason Faberman, Akbar Sadeghi, David M. Talan are economists and Richard L. Clayton is a division chief in the Bureau of Labor Statistics. More information is available at <www.bls.gov/bdm>.

ARTICLE 2

THE EFFECT OF OUTSOURCING AND OFFSHORING ON BLS PRODUCTIVITY MEASURES

This article, written by the staff of the BLS Office of Productivity and Technology, is reproduced from the BLS Web site. The annual data cited are available in part 5 of this Handbook.

Recent discussions about the extent of outsourcing and offshoring in the American economy have raised questions about their possible impact on productivity measures. In order to understand the impact, it is necessary to understand the construction of productivity measures and to look at historical trends in the productivity series.

Around 1990, output per hour or labor productivity in the business sector began growing at a faster rate than had been seen in the previous 17 years. Given that productivity measures tend to grow faster during the early stages of economic recovery, the faster growth rate was not widely viewed as unusual at the time.

What was unusual was that the rate of productivity growth accelerated even further beginning around 1995 when normally it would be expected to slow as the recovery matured. While several explanations have been suggested, most economists believed that firms were finally able to harness the information technology revolution to introduce new methods of production, management controls, and services. This view, sometimes called the New Economy Paradigm, argued that a new permanently higher trend rate of productivity growth has occurred. Others cautioned that another explanation may hold or that the effect of information technology might not be permanent.

The recession of 2001 seemed to further confirm the higher trend growth rate. While labor productivity growth did slow in 2001 compared with the previous five years, its growth was still rapid when compared with most other recessions. Productivity growth tends to be higher than average in recoveries, but coming out of the 2001 recession, business sector productivity growth advanced at its fastest rate since 1950 and maintained its rapid rate during 2003, including the dramatic 9.4 percent annual growth rate reported for the third quarter.

Consequently, we have experienced nearly 13 years of faster productivity growth. While a number of explanations have been put forth and to this list some have added measurement issues related to outsourcing and offshoring, any set of explanations should cover not just the last few years, but the entire 13-year period.

BLS produces a family of productivity measures. For the purposes of understanding how offshoring might affect these measures, the key distinction is between those measures that include intersectoral intermediate inputs as part of the output measure and those that do not.

Among those that include intermediates, multifactor productivity measures compare output trends to more than one input and this framework can better help to trace the influence of offshoring on the productivity measures.

BUSINESS AND NONFARM BUSINESS SECTOR

The quarterly measures of labor productivity, defined as output per hour, for the business and nonfarm business sectors utilize an output measure that is derived from the National Income and Product Accounts produced by the Bureau of Economic Analysis (BEA). Output is measured as the delivery of value-added to final demand and so it does not include intermediate inputs. Imported finished goods and services to consumers reduce these output measures dollar for dollar.

Thus, outsourcing of production from manufacturing to domestic non-manufacturing industries has little if any effect on measures of business and nonfarm business sector output. Value-added has been shifted between the sectors but the total value-added produced domestically is unchanged. If the outsourcing is from manufacturing to businesses located abroad (“offshoring”), business sector output is lowered by the amount of value-added that is no longer produced in the United States. It does not matter for measurement purposes if offshoring is an intermediate product or service such as a computer chip or call center services or the entire production of a final product or service such as a computer.

If it is assumed that an outsourced product or service is identical to the original, business sector output is unaffected by outsourcing from one domestic industry to another. However, labor productivity can differ between the original manufacturer and the new outsourced producer. As a result, aggregate hours may rise or fall somewhat, but the effect on business sector productivity will be quite modest.

In the case of offshoring, both business sector output and hours will fall. Again, the net effect on business sector labor productivity depends on the relative productivity of the lost output to the remaining output and any new output created. It is reasonable, however, to suppose that in this type of situation lost production may have taken place in plants with relatively low levels of productivity. If so, then offshoring might raise labor productivity, but as with domestic outsourcing the effect of this compositional effect is expected to be modest.

MANUFACTURING

For the quarterly manufacturing labor productivity series, the output concept is sectoral output, which is measured as the real value of shipments leaving the sector. Thus,

this output measure includes intermediate inputs purchased from outside of the manufacturing sector. These intermediate inputs include materials, energy and purchased business services, whether purchased from domestic or foreign suppliers. When output is compared to a single input such as hours worked, productivity change also reflects the substitution of other inputs for labor.

Conceptually, the impact of offshoring is more pronounced in manufacturing measures than in the business sector measures, provided the domestic manufacturer is purchasing the offshored goods or services as inputs. (As with the business sector, the complete loss of manufacturing production to an importer of finished goods leaves productivity largely unchanged.) If a domestic computer manufacturer switches from domestic to foreign suppliers of intermediate inputs such as computer memory chips or call center services, real manufacturing sectoral output is unchanged because the real value of the computer is unchanged. Because U.S. jobs are lost (all other things unchanged), labor productivity will rise. If the U.S. manu-

facturer switches most of its production to off-shore facilities, labor productivity might rise substantially.

While the labor productivity measures provide us with the timeliest look at productivity trends, they do not provide us with the most comprehensive view.

Multifactor productivity measures compare output to two or more inputs and remove from the labor productivity measures the effect of substitution among inputs. Within this framework, it is possible to account for labor productivity growth as the sum of multifactor productivity growth and the contribution of shifts in the mix of inputs. The table below shows these data for manufacturing, where inputs include capital, hours, energy, materials, and purchased business services. Because these data are for manufacturing in its entirety, energy, materials and purchased business services are purchased from the domestic nonmanufacturing sector or imported. Outsourced and imported inputs are included but they cannot be separately identified in these data.

TABLE 1. SOURCES OF LABOR PRODUCTIVITY GROWTH IN MANUFACTURING, 1973–2001
(Percent per year)

	1973–1990	1990–1995	1995–2000	2000–2001
Labor Productivity	2.5	3.3	4.1	1.2
Equals:				
Multifactor Productivity:	0.5	1.2	2.3	-0.8
Plus:				
Input Deepening				
Materials	1.0	1.0	0.7	1.1
Business Services	0.4	0.5	0.2	-0.4
Energy	0.0	0.1	0.0	0.0
Capital	0.6	0.5	0.8	1.3

Multifactor productivity plus the effects of input deepening may not sum to labor productivity due to rounding. All data are reporting using the Standard Industrial Classification system.

Labor productivity measures are from the Multifactor Productivity Trends program and may not equal those reported in the quarterly *Productivity and Costs News Release*.

Source: Multifactor *Productivity Trends in Manufacturing, 2001*, USDOL, 04-148, February 10, 2004.

The acceleration of labor productivity through 2000 is evident in the table above. The overwhelming portion of this acceleration comes from faster multifactor productivity growth, leaving little to be accounted for by capital deepening or domestic outsourcing or offshoring of materials and business services. In combination, increased use of materials and business services relative to labor contributes almost exactly the same amount in each of the earliest two periods and slows beginning in 1995. Therefore domestic outsourcing and offshoring explain none of the labor productivity speed-up. While this does not preclude imports from representing a rising share of materials and business services, it suggests a limit to the scope of their influence on productivity change. Because of data limitations, the manufacturing multifactor productivity measures are not yet available for years after 2001.

The final set of manufacturing data comes from the BLS international comparisons program, where labor produc-

tivity for manufacturing is measured as value-added output per hour worked. Value-added output is produced by the BEA. Value-added output measures the contribution of capital and labor to production and excludes intermediates. In this framework, outsourcing and offshoring have the same effect. Both output and hours fall and, like the business sector, the net effect is likely to be slight. This is the case whether the lost production is an intermediate good or a final product.

The second table provides a comparison of the Bureau's family of manufacturing measures. All three measures show acceleration in the growth rate of productivity. The measure of value-added output per hour grew slightly faster than the sectoral output per hour measure. This implies that combined intermediates grew slightly more slowly than sectoral output. It can be inferred from the similar pattern of sectoral and value-added productivity growth that intermediates are not a primary explanation of the faster productivity growth.

TABLE 2. COMPARISON OF BUREAU OF LABOR STATISTICS' PRODUCTIVITY MEASURES IN MANUFACTURING
(Percent per year)

Period	Sectoral output per hour (1)	Multifactor productivity (2)	Value-Added output per hour (3)
1979–1990	2.6	1.1	3.0
1990–1995	3.3	1.3	3.3
1995–2000	4.3	2.1	4.5
2000–2001	1.8	-0.8	0.4
2001–2002	6.5	N.A.	9.2p
2003 1st quarter	5.8	N.P.	N.P.
2003 2nd quarter	2.8	N.P.	N.P.
2003 3rd quarter	9.0	N.P.	N.P.

All data are reported using the Standard Industrial Classification system.

p–Based on preliminary value-added measures from the gross product originating program of the Bureau of Economic Analysis.

N.A.–Data is not available.

N.P.–Not produced. Only annual data are available for these series.

1. Sectoral output per hour is the real value of shipments leaving an industry, (including the value of intermediate inputs) divided by hours at work. Data are from the quarterly *Productivity and Costs News Release*, December 3, 2003.

2. Multifactor productivity is sectoral output per combined units of capital, hours at work, energy, non-energy materials, and purchased business services. Data are from the annual *Multifactor Productivity Trends in Manufacturing, 2001*, USDOL 04-148, February 10, 2004.

3. Value-added output per hour is sectoral output less the real value of intermediate inputs such as materials, energy, and purchased business services. Data are from the annual *International Comparisons of Manufacturing Productivity and Unit Labor Costs Trends*, March 26, 2004. Source: Bureau of Labor Statistics.

SUMMARY

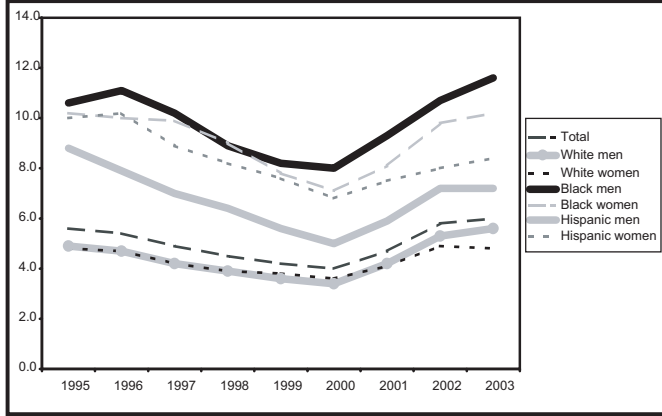
Productivity growth, however it is measured, accelerated in the 1990s and this faster growth has continued on during the last recession and recovery. Offshoring affects business sector productivity change only through changes in the composition of domestic production and its effect is likely to be small. In manufacturing, the combination of domestic outsourcing and offshoring has contributed about 1.5 percent per year to sectoral output per hour growth through 1995 but only about 1 percent per year thereafter and as a result, they do not appear to be an explanation for the productivity speed-up. This conclu-

sion must be qualified in two ways. First, there is no information on the relative importance of offshoring relative to domestic outsourcing and so it is not known if foreign suppliers have become a growing substitute for domestic suppliers of intermediate inputs. Even if they have, under reasonable assumptions, offshoring appears to explain only a small fraction of the productivity speed-up. Second, not all BLS data extend beyond 2001 and so it cannot be ascertained if there has been a sudden shift in trends. Even if there has, the impact of outsourcing and offshoring on productivity change is likely to be small.

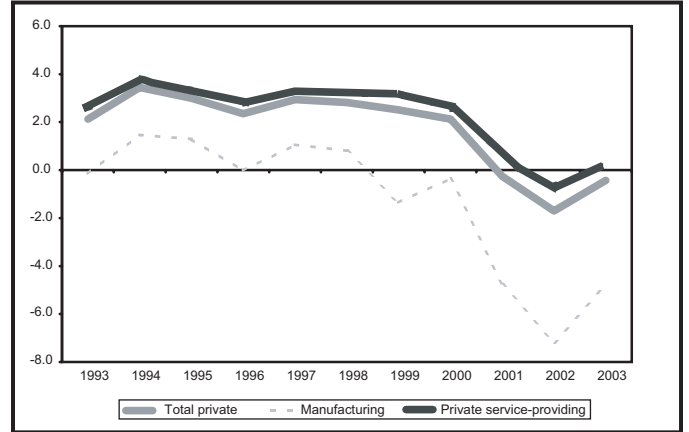
SUMMARY OF SELECTED ECONOMIC INDICATORS

These charts, which appear in the relevant chapters of this *Handbook*, show the significant change in the direction of the United States economy that took place in the early years of the twenty-first century. The most important of these was the rise in the unemployment rate and the concomitant decline in employment, particularly in manufacturing. At the same time, price inflation was very low and productivity rose, also particularly in manufacturing. Additionally, real earnings have been flat for some years. The last chart shows the first results from the new American Time Use Survey.

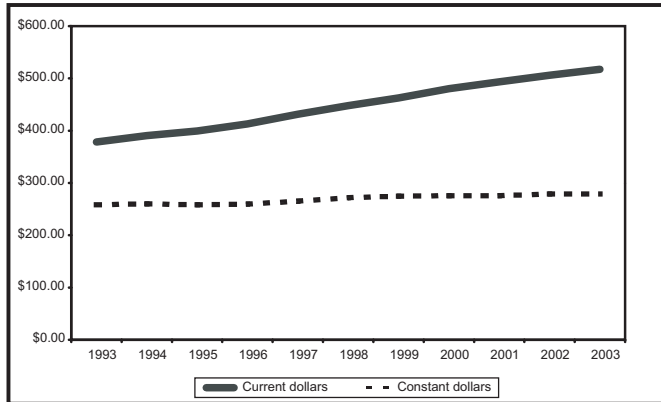
Unemployment Rates by Sex, Race, and Hispanic Origin, 1995–2003



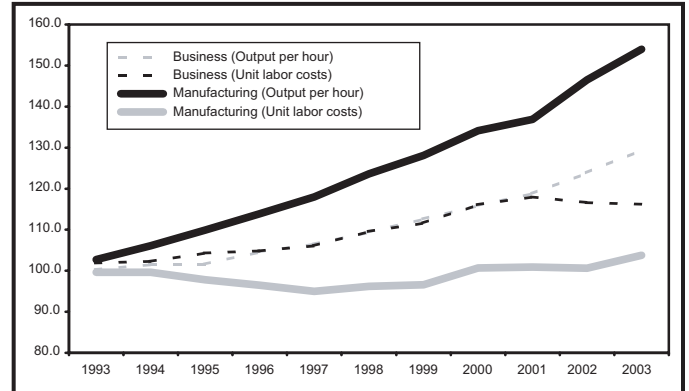
Percentage Change in Nonfarm Payroll Employment, 1993–2003



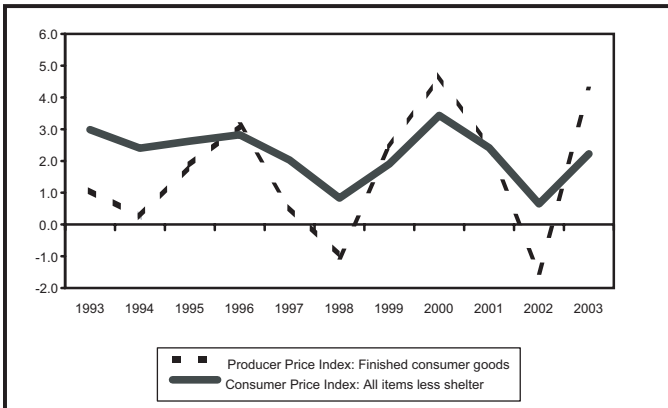
Average Weekly Earnings of Production or Nonsupervisory Workers on Total Private Nonfarm Payrolls in Current and Constant Dollars, 1993–2003



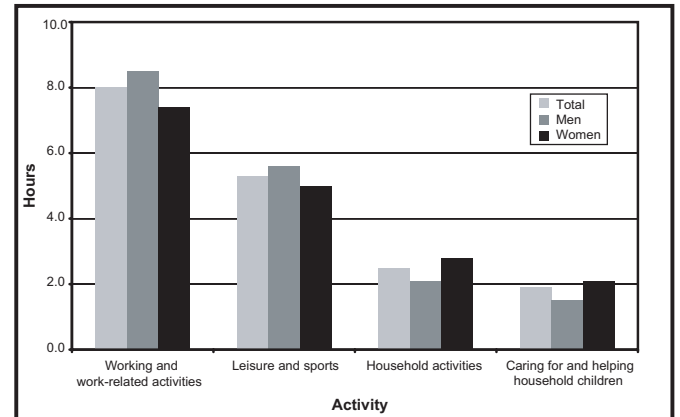
Indexes of Output per Hour and Unit Labor Costs in Business and Manufacturing, 1993–2003 (1992=100)



Percentage Change in Producer and Consumer Price Indexes, 1993–2003



Average Hours Spent per Day in Primary Activities for Persons Reporting the Activity on the Diary Day, 2003



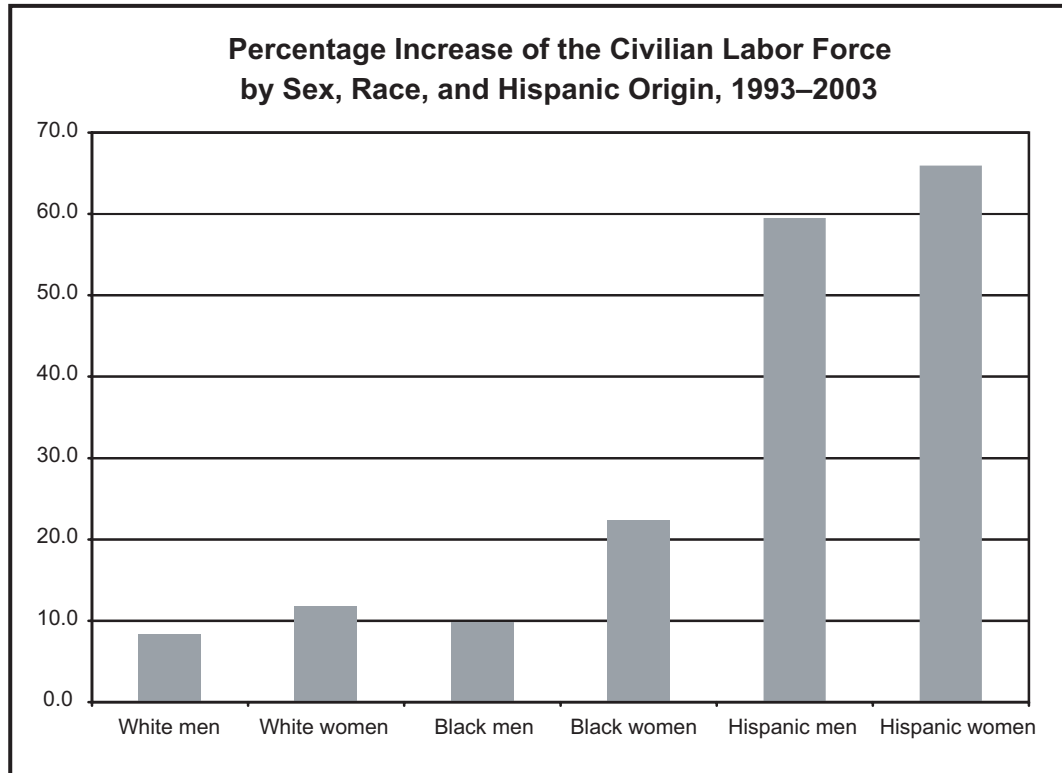
PART ONE

POPULATION, LABOR FORCE, AND EMPLOYMENT STATUS

POPULATION, LABOR FORCE, AND EMPLOYMENT STATUS

HIGHLIGHTS

This chapter presents detailed historical information collected in a survey of households on the employment status of the population, the Current Population Survey (CPS). Basic data on labor force, employment, and unemployment are shown for various characteristics of the population such as age, sex, race, and marital status.



The rapid rise of the Hispanic labor force continued throughout the decade. The labor force of Hispanic women is larger in 2003 than that of Hispanic men 10 years ago. The rate of increase in the labor force of women in all groups was greater than that of men. (Hispanics may be White or Black.) (Table 1-3)

OTHER HIGHLIGHTS:

- While the rate of increase among different groups varies sharply, the distribution of the labor force changes slowly because of the great difference in the levels. For example, the proportion of White men in the labor force declined from 46.8 percent to 44.7 percent from 1993 to 2003, while the proportion of Hispanic men in the labor force rose from 5.5 percent to 7.7 percent. (Table 1-7)
- The labor force participation rate for the civilian population as a whole declined from the peak of 67.1 percent in the late nineties, to 66.2 percent in 2003. (Table 1-8)
- The labor force participation rate for White men continued the persistent decline that took place throughout the nineties and in 2003 was the lowest ever, 74.2 percent compared with 77.1 percent as late as 1990. One explanation has been the increasing number of men that pursue more years of education and are therefore not in the labor force. A 12-point drop in the 16–19 year old age group from 1990 to 2003 bolsters this explanation. (Table 1-8).
- The labor force participation rate for White women is relatively steady recently after the increases in the eighties and nineties. However, the rates in the older age groups are rising, beginning with the 45–54 age group, which rose 6 points since 1990 and an almost 12-point increase for the 55–64 age group. (Table 1-8)
- The labor force participation rate for Black men steadily declined as the rate for Black women increased. The rate for Black men declined 3.7 points since 1990 while the rate for Black women increased by 3.6 points. (Table 1-8)
- The explanation for the trends for both men and women is probably the same for all the groups of the population, increasing years of education. However, the participation rate has not declined as much for women as it has for men due to the large number of new entrants into the labor force.

NOTES AND DEFINITIONS

CURRENT POPULATION SURVEY OF HOUSEHOLDS

Note: Data for 2000 and 2001 have been revised. See sections on Comparability of Labor Force Levels and Changes in Occupational and Industrial Classification Systems.

Collection and Coverage

The Bureau of Labor Statistics (BLS) using data from the Current Population Survey (CPS) compiles statistics on the employment status of the population and related data. This monthly survey of households is conducted for BLS by the Census Bureau using a scientifically selected sample of the civilian noninstitutional population.

The CPS sample has been increased to 60,000 households from 50,000. The new sample was introduced beginning September 2, 2000. However, the estimates of the national labor force from the additional sample were not introduced at that time in order to evaluate the impact of the change. Since the estimates from the two samples were virtually the same, BLS incorporated the additional sample into the official national estimates beginning in July 2001.

Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th day of the month. This is known as the "reference week." Actual field interviewing is conducted in the following week, referred to as the "survey week."

Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year earlier.

Concepts and Definitions

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940. Current definitions of some of the major concepts used in the CPS are given below.

The civilian noninstitutional population includes persons 16 years of age and older residing in the 50 states and the District of Columbia who are not inmates of institutions (such as penal and mental facilities, homes for the aged), and who are not on active duty in the armed forces.

Employed persons are all persons who, during the reference week, (a) did any work at all (at least one hour) as

paid employees, worked in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of vacation, illness, bad weather, child-care problems, maternity or paternity leave, labor-management disputes, job training, or other family or personal reasons, whether or not they were paid for the time off or were seeking other jobs.

Each employed person is counted only once, even if he or she holds more than one job. For purposes of occupation and industry classification, multiple jobholders are counted in the job at which they worked the greatest number of hours during the reference week.

Included in the total are employed citizens of foreign countries who are temporarily in the United States but not living on the premises of an embassy. Excluded are persons whose only activity consisted of work around their own house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and other organizations.

Unemployed persons are all persons who had no employment during the reference week, were available for work, except for temporary illness, and had made specific efforts to find employment some time during the four-week period ending with the reference week. Persons who were waiting to be recalled to a job from which they had been laid off need not have been looking for work to be classified as unemployed.

Duration of unemployment represents the length of time (through the current reference week) that persons classified as unemployed had been looking for work. For persons on layoff, duration of unemployment represents the number of full weeks they had been on layoff. Mean duration is the arithmetic average computed from single weeks of unemployment; median duration is the midpoint of a distribution of weeks of unemployment.

Reasons for unemployment are divided into four major groups: (1) Job losers, defined as (a) persons on temporary layoff, who have been given a date to return to work or who expect to return within six months (persons on layoff need not be looking for work to be classified as unemployed); (b) permanent job losers, whose employment ended involuntarily and who began looking for work; and (c) persons who completed a temporary job, and who began looking for work after the job ended; (2) Job leavers, defined as persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work; (3) Reentrants, defined as persons who previously worked but were out of the labor

force prior to beginning their job search; and (4) New entrants, defined as persons who never had worked but were searching for work.

The civilian labor force comprises all civilians classified as employed or unemployed.

The unemployment rate is the number unemployed as a percent of the civilian labor force.

The participation rate represents the proportion of the civilian noninstitutional population that is in the labor force.

The employment to population ratio represents the proportion of the population that is employed.

Persons not in the labor force are all persons in the civilian noninstitutional population who are neither employed nor unemployed. Information is collected on their desire for and availability to take a job at the time of the CPS interview, job search activity in the prior year, and reason for not looking for work in the four-week period ending with the reference week. Persons not in the labor force who want and are available for a job and who have looked for work sometime in the past 12 months (or since the end of their last job if they held one within the past 12 months), but who are not currently looking, are designated as “marginally attached to the labor force.” The marginally attached are divided into those not currently looking because they believe their search would be futile—so-called discouraged workers—and those not currently looking for other reasons such as family responsibilities, ill health, or lack of transportation. For discouraged workers, the reasons for not currently looking for work are that the individual believes that: No work is available in his or her line of work or area; he or she could not find any work; he or she lacks necessary schooling, training, skills, or experience; employers would think he or she is too young or too old; or he or she would encounter hiring discrimination.

Discouraged workers are defined as persons not in the labor force who want and are available for a job and who have looked for work sometime in the past 12 months (or since the end of their last job if they held one within the past 12 months), but are not currently looking, because they believe there are no jobs available or there are none for which they would qualify.

Usual full- or part-time status refers to hours usually worked per week. Full-time workers are those who usually worked 35 hours or more. This group includes some individuals who worked less than 35 hours in the reference week for either economic or noneconomic reasons. Part-time workers are those who usually work less than 35 hours per week (at all jobs), regardless of the number of hours worked in the reference week. These concepts are used to differentiate a person’s normal schedule from

their specific activity during the reference week.

Unemployed persons who are looking for full-time work or are on layoff from full-time jobs are counted as part of the full-time labor force; unemployed persons who are seeking or who are on layoff from part-time jobs are counted as part of the part-time labor force.

Unemployment rates for full- and part-time workers are calculated using the concepts of the full- and part-time labor force.

Occupation, industry, and class of worker for the employed is determined by the job held in the reference week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours. The unemployed are classified according to their last job. Beginning in 2003, the occupational and industrial classification of CPS data is based on the 2002 Census Bureau occupational and industrial classification systems, which are derived from the 2000 Standard Classification (SOC) and the 2002 North American Industry Classification (NAICS). (See the following section on historical comparability for a discussion of previous classification systems used in the CPS.) The class-of-worker breakdown assigns workers to the following categories: private and government wage and salary workers; self-employed workers; and unpaid family workers. Wage and salary workers receive wages, salaries, commissions, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, trade, or farm. Only the unincorporated self-employed are included in the self-employed category in the class-of-worker typology. Self-employed persons who respond that their businesses are incorporated are included among wage and salary workers, because technically, they are paid employees of a corporation. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

Multiple jobholders are employed persons who, during the reference week, had two or more jobs as a wage and salary worker, were self-employed and also held a wage and salary job, or worked as an unpaid family worker and also held a wage and salary job. A person employed only in private households (cleaner, gardener, babysitter, etc.) who worked for two or more employers during the reference week is not counted as a multiple jobholder, since working for several employers is considered an inherent characteristic of private household work. Also excluded are self-employed persons with multiple businesses and persons with multiple jobs as unpaid family workers.

At work part-time for economic reasons, sometimes referred to as involuntary part-time, refers to individuals who gave an economic reason for working one to 34 hours during the reference week. Economic reasons include slack work or unfavorable business conditions, inability to find full-time work, and seasonal declines in

demand. Those who usually work part-time must also indicate that they want and are available to work full-time to be classified as on part-time for economic reasons.

At work part-time for noneconomic reasons refers to persons who usually work part-time and were at work one to 34 hours during the reference week for a noneconomic reason. Non-economic reasons include, for example: illness or other medical limitations; childcare problems or other family or personal obligations; school or training; retirement or Social Security limits on earnings; and being in a job where full-time work is less than 35 hours. The group also includes those who gave an economic reason for usually working one to 34 hours but said they do not want to work full-time or were unavailable for such work.

White, Black, and Asian are terms used to describe the race of persons. Persons in these categories are those who selected that race only. Persons in the remaining race categories—American Indian or Alaskan Native, Native Hawaiian or Other Pacific Islanders, and persons who selected more than one race category—are included in the estimates of total employment and unemployment but are not shown separately because the number of survey respondents is too small to develop estimates of sufficient quality for monthly publication. In the enumeration process, the household respondent determines race.

Hispanic or Latino ethnicity refers to persons who identified themselves in the enumeration process as being Spanish, Hispanic, or Latino. Persons whose ethnicity is identified as Hispanic or Latino may be of any race.

Single, never married; married, spouse present; and other marital status are the terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were living in the same household, even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent relates to persons who are separated due to marital problems, as well as husbands and wives who are living apart because one or the other was employed elsewhere, on duty with the armed forces, or any other reasons.

A household consists of all persons—related family members and all unrelated persons—who occupy a housing unit and have no other usual address. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters. A householder is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is not applied to either husbands or wives in married-couple families but only to

persons in families maintained by either men or women without a spouse.

Family is defined as a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is single; widowed; divorced; or married, spouse absent.

The annual CPS data on the employment characteristics of families and family members begin with data for 1995. These data are not strictly comparable with family data derived from the March CPS. The annual data are derived by averaging the data for each month of the year, whereas the March data refer to that month. The annual average data provide a larger sample size, while the March family data provide a longer historical series.

Additional Concepts and Definitions: CPS Supplements

In addition to the above concepts and definitions, the definitions below apply to the special labor force data collected annually in the March supplement to the monthly CPS, and the data on tenure usually collected in a February supplement.

Persons with work experience are civilians who worked at any time during the preceding calendar year at full- or part-time jobs for pay or profit (including paid vacations and sick leave) or worked without pay on a farm or in a business that was family operated. From 1989 forward, these supplementary tables also include members of the armed forces within the United States.

Tenure refers to length of time a worker has been continuously employed by the current employer. The data were collected through a supplement to the CPS. The question asked of all employed persons was how long the person has been working continuously for their present employer and, if one or two years, the exact number of months. The follow-up question was asked for the first time in the 1998 February supplement. Prior to 1983 the question was asked differently; data prior to 1983 are not strictly comparable to data for subsequent years.

Year-round full-time workers are workers who worked primarily at full-time jobs for 50 weeks or more during the preceding calendar year. Part-year workers worked either full or part-time for one to 49 weeks.

Spell of unemployment is a continuous period of unemployment of at least one week's duration. A spell is terminated by employment or withdrawal from the labor force.

Extent of unemployment refers to the number and proportion of the labor force that were unemployed at some time during the year. The number of weeks unemployed is the total number of weeks accumulated during the entire year.

Children refer to “own” children of the husband, wife, or person maintaining the family, including sons and daughters, stepchildren, and adopted children. Excluded are other related children, such as grandchildren, nieces, nephews, and cousins, and unrelated children.

Earnings are all money income of \$1 or more from wages and salaries and net money income of \$1 or more from farm and nonfarm self-employment.

Educational attainment refers to years of school completed in regular schools, which include graded public, private, and parochial elementary and high schools, whether day or night school; also college, university, or professional school.

Minimum wages refers to the prevailing federal minimum wage, which was \$5.15 per hour in 2002. Data are for wage and salary workers who are paid hourly rates. They refer to a person’s earnings on their sole or principal job.

Absences are defined as instances when persons who usually work 35 or more hours a week worked less than that during the reference period for reasons of illness or family obligations. Excluded are situations in which work was missed for vacation, holidays or other reasons. The estimates are based on one-fourth of the sample only.

Historical Comparability

While current survey concepts and methods are very similar to those introduced at the inception of the survey in 1940, a number of changes have been made over the years to improve the accuracy and usefulness of the data. Only the latest changes are described here.

In 1994, major changes to the CPS were introduced, which included a complete redesign of the questionnaire and the use of computer-assisted interviewing for the entire survey. In addition, there were revisions to some of the labor force concepts and definitions, including the implementation of some changes recommended in 1979 by the National Commission on Employment and Unemployment Statistics (NCEUS, also known as the Levitan Commission). Some of the major changes to the survey were:

a) The introduction of a redesigned and automated questionnaire. The CPS questionnaire was totally redesigned in order to obtain more accurate, comprehensive, and relevant information, and to take advantage of state-of-the-art computer interviewing techniques.

b) The addition of two, more objective, criteria to the definition of discouraged workers. Beginning in 1994, persons classified as discouraged must also have looked for a job within the past year (or since their last job, if they worked during the year), and must have been available for work during the reference week (a direct question on availability was added in 1994). These changes were made because the NCEUS and others felt that the previous definition of discouraged workers was too subjective, relying mainly on an individual’s stated desire for a job and not on prior testing of the labor market.

c) Similarly, the identification of persons employed part-time for economic reasons (working less than 35 hours in the reference week because of poor business conditions or because of an inability to find full-time work) was tightened by adding two new criteria for persons who usually work part-time: They must want and be available for full-time work. (Persons who usually work full-time but worked part-time for an economic reason during the reference week are assumed to meet these criteria.)

d) Specific questions were added about the expectation of recall for persons who indicate that they are on layoff. To be classified as “on temporary layoff,” persons must expect to be recalled to their jobs.

e) Persons volunteering that they were waiting to start a new job within 30 days must have looked for work in the four weeks prior to the survey in order to be classified as unemployed.

Comparability of Labor Force Levels

In addition to the refinements in concepts, definitions, and methods made over the years, other changes—made to improve the accuracy of the estimates—have also affected the comparability of the labor force data. The most important of these is the adjustment of the population totals as a result of new information from the decennial censuses and to correct for estimating errors during the intercensal years. Those affecting the most recent decade are described below.

Beginning in January 1997, updated information on the demographic characteristics of immigrants and emigrants was introduced. This raised the overall population by about 470,000—labor force by 320,000, and employment by 290,000, with similar upward adjustments for Hispanics. Unemployment and other percentage rates were not affected.

Beginning in January 1998, new estimating procedures were introduced, which reduced labor force by about 229,000 and employment by 256,000 but raised unemployment by 27,000. New information about immigration and emigration was also incorporated which increased the Hispanic population by about 57,000. Unemployment rates were not significantly affected.

Beginning in January 1999, new information on immigration raised the population by about 310,000, with differing impacts on different demographic groups. The population of men was lowered by about 185,000, but of women was raised by 490,000. The Hispanic population was lowered by about 165,000 while the rest of the population was raised by about 470,000. Hispanic labor force and employment estimates were each reduced by over 200,000. The impact on unemployment rates and other percentages was small.

Beginning in January 2003, several changes were introduced into the CPS. These changes included:

a) Population controls that reflected the results of Census 2000 were introduced into the monthly CPS estimation process. These new population controls substantially increased the size of the civilian noninstitutional population and the civilian labor force. Data from January 2000 through December 2002 were revised to reflect the higher population estimates from Census 2000 and the higher rates of population growth since the census. The entire amount of this adjustment was added to the labor force data in January 2003 resulting in increases of 941,000 to the civilian noninstitutional population and 614,000 to the civilian labor force. The unemployment rate and other ratios were not substantially affected by either of these population control adjustments.

b) The modification of the questions on race and Hispanic origin to comply with the new standards for maintaining, collecting, and presenting federal data on race and ethnicity for federal statistical agencies. The questions were reworded to indicate that individuals could select more than one race category and to convey more clearly that individuals should report their own perception of what their race is. These changes had no impact on the overall civilian noninstitutional population and civilian labor force but did reduce the population and labor force levels of Whites, Blacks, and Asians beginning in January 2003.

Changes in the Occupational and Industrial Classification System

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 Census were introduced into the CPS. The 1980 Census occupational

classification system was so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments.

The industrial classification system used in the 1980 Census was based on the 1972 Standard Industrial Classification (SIC) system, as modified in 1977. The adoption of the new industrial system had much less of an adverse effect on historical comparability than did the new occupational system.

Beginning in January 1992, the occupational and industrial classification systems used in the 1990 Census were introduced into the CPS. There were a few breaks in comparability between the 1980 and 1990 census-based systems, particularly within the “technical, sales, and administrative support” categories. The most notable changes in industry classification were the shift of several industries from “business services” to “professional services” and the splitting of some industries into smaller, more detailed categories.

Beginning in January 2003, the 2003 Census Bureau occupational and industrial classification system were introduced into the CPS and reestimated for 2000 and 2001. These systems were derived from the 2000 SOC and the 2002 NAICS, which were described in the third and sixth editions of this Handbook respectively. The composition of detailed occupational and industrial classifications in the new systems was substantially changed from the previous systems in use as was the structure for aggregating them into broad groups. Consequently, the use of the new classification systems created breaks in existing data series at all levels of aggregation beginning with the year 2000.

Sources of Additional Information

A complete description of sampling and estimation procedures and further information on the impact of historical changes in the survey can be found in *Employment and Earnings*, February 2003 and February 2004, and the updated Chapter 1 of the BLS *Handbook of Methods*, Chapter 1, April 17, 2003, available on line at the BLS Web site. Technical papers, which describe various revisions, are also available from BLS.

Table 1-1. Employment Status of the Civilian Noninstitutional Population, 1947–2003

(Thousands of people, percent.)

Year	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Participation rate	Employed				Unemployed		
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Unemployment rate	
1947	101 827	59 350	58.3	57 038	56.0	7 890	49 148	2 311	3.9	42 477
1948	103 068	60 621	58.8	58 343	56.6	7 629	50 714	2 276	3.8	42 447
1949	103 994	61 286	58.9	57 651	55.4	7 658	49 993	3 637	5.9	42 708
1950	104 995	62 208	59.2	58 918	56.1	7 160	51 758	3 288	5.3	42 787
1951	104 621	62 017	59.2	59 961	57.3	6 726	53 235	2 055	3.3	42 604
1952	105 231	62 138	59.0	60 250	57.3	6 500	53 749	1 883	3.0	43 093
1953 ¹	107 056	63 015	58.9	61 179	57.1	6 260	54 919	1 834	2.9	44 041
1954	108 321	63 643	58.8	60 109	55.5	6 205	53 904	3 532	5.5	44 678
1955	109 683	65 023	59.3	62 170	56.7	6 450	55 722	2 852	4.4	44 660
1956	110 954	66 552	60.0	63 799	57.5	6 283	57 514	2 750	4.1	44 402
1957	112 265	66 929	59.6	64 071	57.1	5 947	58 123	2 859	4.3	45 336
1958	113 727	67 639	59.5	63 036	55.4	5 586	57 450	4 602	6.8	46 088
1959	115 329	68 369	59.3	64 630	56.0	5 565	59 065	3 740	5.5	46 960
1960 ¹	117 245	69 628	59.4	65 778	56.1	5 458	60 318	3 852	5.5	47 617
1961	118 771	70 459	59.3	65 746	55.4	5 200	60 546	4 714	6.7	48 312
1962 ¹	120 153	70 614	58.8	66 702	55.5	4 944	61 759	3 911	5.5	49 539
1963	122 416	71 833	58.7	67 762	55.4	4 687	63 076	4 070	5.7	50 583
1964	124 485	73 091	58.7	69 305	55.7	4 523	64 782	3 786	5.2	51 394
1965	126 513	74 455	58.9	71 088	56.2	4 361	66 726	3 366	4.5	52 058
1966	128 058	75 770	59.2	72 895	56.9	3 979	68 915	2 875	3.8	52 288
1967	129 874	77 347	59.6	74 372	57.3	3 844	70 527	2 975	3.8	52 527
1968	132 028	78 737	59.6	75 920	57.5	3 817	72 103	2 817	3.6	53 291
1969	134 335	80 734	60.1	77 902	58.0	3 606	74 296	2 832	3.5	53 602
1970	137 085	82 771	60.4	78 678	57.4	3 463	75 215	4 093	4.9	54 315
1971	140 216	84 382	60.2	79 367	56.6	3 394	75 972	5 016	5.9	55 834
1972 ¹	144 126	87 034	60.4	82 153	57.0	3 484	78 669	4 882	5.6	57 091
1973 ¹	147 096	89 429	60.8	85 064	57.8	3 470	81 594	4 365	4.9	57 667
1974	150 120	91 949	61.3	86 794	57.8	3 515	83 279	5 156	5.6	58 171
1975	153 153	93 774	61.2	85 846	56.1	3 408	82 438	7 929	8.5	59 377
1976	156 150	96 158	61.6	88 752	56.8	3 331	85 421	7 406	7.7	59 991
1977	159 033	99 008	62.3	92 017	57.9	3 283	88 734	6 991	7.1	60 025
1978 ¹	161 910	102 250	63.2	96 048	59.3	3 387	92 661	6 202	6.1	59 659
1979	164 863	104 962	63.7	98 824	59.9	3 347	95 477	6 137	5.8	59 900
1980	167 745	106 940	63.8	99 302	59.2	3 364	95 938	7 637	7.1	60 806
1981	170 130	108 670	63.9	100 397	59.0	3 368	97 030	8 273	7.6	61 460
1982	172 271	110 204	64.0	99 526	57.8	3 401	96 125	10 678	9.7	62 067
1983	174 215	111 550	64.0	100 834	57.9	3 383	97 450	10 717	9.6	62 665
1984	176 383	113 544	64.4	105 005	59.5	3 321	101 685	8 539	7.5	62 839
1985	178 206	115 461	64.8	107 150	60.1	3 179	103 971	8 312	7.2	62 744
1986 ¹	180 587	117 834	65.3	109 597	60.7	3 163	106 434	8 237	7.0	62 752
1987	182 753	119 865	65.6	112 440	61.5	3 208	109 232	7 425	6.2	62 888
1988	184 613	121 669	65.9	114 968	62.3	3 169	111 800	6 701	5.5	62 944
1989	186 393	123 869	66.5	117 342	63.0	3 199	114 142	6 528	5.3	62 523
1990 ¹	189 164	125 840	66.5	118 793	62.8	3 223	115 570	7 047	5.6	63 324
1991	190 925	126 346	66.2	117 718	61.7	3 269	114 449	8 628	6.8	64 578
1992	192 805	128 105	66.4	118 492	61.5	3 247	115 245	9 613	7.5	64 700
1993	194 838	129 200	66.3	120 259	61.7	3 115	117 144	8 940	6.9	65 638
1994 ¹	196 814	131 056	66.6	123 060	62.5	3 409	119 651	7 996	6.1	65 758
1995	198 584	132 304	66.6	124 900	62.9	3 440	121 460	7 404	5.6	66 280
1996	200 591	133 943	66.8	126 708	63.2	3 443	123 264	7 236	5.4	66 647
1997 ¹	203 133	136 297	67.1	129 558	63.8	3 399	126 159	6 739	4.9	66 836
1998	205 220	137 673	67.1	131 463	64.1	3 378	128 085	6 210	4.5	67 547
1999 ¹	207 753	139 368	67.1	133 488	64.3	3 281	130 207	5 880	4.2	68 385
2000 ¹	212 577	142 583	67.1	136 891	64.4	2 464	134 427	5 692	4.0	69 994
2001	215 092	143 734	66.8	136 933	63.7	2 299	134 635	6 801	4.7	71 359
2002	217 570	144 863	66.6	136 485	62.7	2 311	134 174	8 378	5.8	72 707
2003 ¹	221 168	146 510	66.2	137 736	62.3	2 275	135 461	8 774	6.0	74 658

¹Not strictly comparable with data for prior years.

Table 1-2. Employment Status of the Civilian Noninstitutional Population by Sex, 1970–2003

(Thousands of people, percent.)

Year	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Participation rate	Employed				Unemployed		
				Total	Percent of population	Agriculture	Non-agricultural industries	Number	Unemployment rate	
MEN										
1970	64 304	51 228	79.7	48 990	76.2	2 862	46 128	2 238	4.4	13 076
1971	65 942	52 180	79.1	49 390	74.9	2 795	46 595	2 789	5.3	13 762
1972 ¹	67 835	53 555	78.9	50 896	75.0	2 849	48 047	2 659	5.0	14 280
1973 ¹	69 292	54 624	78.8	52 349	75.5	2 847	49 502	2 275	4.2	14 667
1974	70 808	55 739	78.7	53 024	74.9	2 919	50 105	2 714	4.9	15 069
1975	72 291	56 299	77.9	51 857	71.7	2 824	49 032	4 442	7.9	15 993
1976	73 759	57 174	77.5	53 138	72.0	2 744	50 394	4 036	7.1	16 585
1977	75 193	58 396	77.7	54 728	72.8	2 671	52 057	3 667	6.3	16 797
1978 ¹	76 576	59 620	77.9	56 479	73.8	2 718	53 761	3 142	5.3	16 956
1979	78 020	60 726	77.8	57 607	73.8	2 686	54 921	3 120	5.1	17 293
1980	79 398	61 453	77.4	57 186	72.0	2 709	54 477	4 267	6.9	17 945
1981	80 511	61 974	77.0	57 397	71.3	2 700	54 697	4 577	7.4	18 537
1982	81 523	62 450	76.6	56 271	69.0	2 736	53 534	6 179	9.9	19 073
1983	82 531	63 047	76.4	56 787	68.8	2 704	54 083	6 260	9.9	19 484
1984	83 605	63 835	76.4	59 091	70.7	2 668	56 423	4 744	7.4	19 771
1985	84 469	64 411	76.3	59 891	70.9	2 535	57 356	4 521	7.0	20 058
1986 ¹	85 798	65 422	76.3	60 892	71.0	2 511	58 381	4 530	6.9	20 376
1987	86 899	66 207	76.2	62 107	71.5	2 543	59 564	4 101	6.2	20 692
1988	87 857	66 927	76.2	63 273	72.0	2 493	60 780	3 655	5.5	20 930
1989	88 762	67 840	76.4	64 315	72.5	2 513	61 802	3 525	5.2	20 923
1990 ¹	90 377	69 011	76.4	65 104	72.0	2 546	62 559	3 906	5.7	21 367
1991	91 278	69 168	75.8	64 223	70.4	2 589	61 634	4 946	7.2	22 110
1992	92 270	69 964	75.8	64 440	69.8	2 575	61 866	5 523	7.9	22 306
1993	93 332	70 404	75.4	65 349	70.0	2 478	62 871	5 055	7.2	22 927
1994 ¹	94 354	70 817	75.1	66 450	70.4	2 554	63 896	4 367	6.2	23 538
1995	95 178	71 360	75.0	67 377	70.8	2 559	64 818	3 983	5.6	23 818
1996	96 206	72 086	74.9	68 207	70.9	2 573	65 634	3 880	5.4	24 119
1997 ¹	97 715	73 261	75.0	69 685	71.3	2 552	67 133	3 577	4.9	24 454
1998 ¹	98 758	73 959	74.9	70 693	71.6	2 553	68 140	3 266	4.4	24 799
1999 ¹	99 722	74 512	74.7	71 446	71.6	2 432	69 014	3 066	4.1	25 210
2000 ¹	101 964	76 280	74.8	73 305	71.9	1 861	71 444	2 975	3.9	25 684
2001	103 282	76 886	74.4	73 196	70.9	1 708	71 488	3 690	4.8	26 396
2002	104 585	77 500	74.1	72 903	69.7	1 724	71 179	4 597	5.9	27 085
2003 ¹	106 435	78 238	73.5	73 332	68.9	1 695	71 636	4 906	6.3	28 197
WOMEN										
1970	72 782	31 543	43.3	29 688	40.8	601	29 087	1 855	5.9	41 239
1971	74 274	32 202	43.4	29 976	40.4	599	29 377	2 227	6.9	42 072
1972 ¹	76 290	33 479	43.9	31 257	41.0	635	30 622	2 222	6.6	42 811
1973 ¹	77 804	34 804	44.7	32 715	42.0	622	32 093	2 089	6.0	43 000
1974	79 312	36 211	45.7	33 769	42.6	596	33 173	2 441	6.7	43 101
1975	80 860	37 475	46.3	33 989	42.0	584	33 404	3 486	9.3	43 386
1976	82 390	38 983	47.3	35 615	43.2	588	35 027	3 369	8.6	43 406
1977	83 840	40 613	48.4	37 289	44.5	612	36 677	3 324	8.2	43 227
1978 ¹	85 334	42 631	50.0	39 569	46.4	669	38 900	3 061	7.2	42 703
1979	86 843	44 235	50.9	41 217	47.5	661	40 556	3 018	6.8	42 608
1980	88 348	45 487	51.5	42 117	47.7	656	41 461	3 370	7.4	42 861
1981	89 618	46 696	52.1	43 000	48.0	667	42 333	3 696	7.9	42 922
1982	90 748	47 755	52.6	43 256	47.7	665	42 591	4 499	9.4	42 993
1983	91 684	48 503	52.9	44 047	48.0	680	43 367	4 457	9.2	43 181
1984	92 778	49 709	53.6	45 915	49.5	653	45 262	3 794	7.6	43 068
1985	93 736	51 050	54.5	47 259	50.4	644	46 615	3 791	7.4	42 686
1986 ¹	94 789	52 413	55.3	48 706	51.4	652	48 054	3 707	7.1	42 376
1987	95 853	53 658	56.0	50 334	52.5	666	49 668	3 324	6.2	42 195
1988	96 756	54 742	56.6	51 696	53.4	676	51 020	3 046	5.6	42 014
1989	97 630	56 030	57.4	53 027	54.3	687	52 341	3 003	5.4	41 601
1990 ¹	98 787	56 829	57.5	53 689	54.3	678	53 011	3 140	5.5	41 957
1991	99 646	57 178	57.4	53 496	53.7	680	52 815	3 683	6.4	42 468
1992	100 535	58 141	57.8	54 052	53.8	672	53 380	4 090	7.0	42 394
1993	101 506	58 795	57.9	54 910	54.1	637	54 273	3 885	6.6	42 711
1994 ¹	102 460	60 239	58.8	56 610	55.3	855	55 755	3 629	6.0	42 221
1995	103 406	60 944	58.9	57 523	55.6	881	56 642	3 421	5.6	42 462
1996	104 385	61 857	59.3	58 501	56.0	871	57 630	3 356	5.4	42 528
1997 ¹	105 418	63 036	59.8	59 873	56.8	847	59 026	3 162	5.0	42 382
1998 ¹	106 462	63 714	59.8	60 771	57.1	825	59 945	2 944	4.6	42 748
1999 ¹	108 031	64 855	60.0	62 042	57.4	849	61 193	2 814	4.3	43 175
2000 ¹	110 613	66 303	59.9	63 586	57.5	602	62 983	2 717	4.1	44 310
2001	111 811	66 848	59.8	63 737	57.0	591	63 147	3 111	4.7	44 962
2002	112 985	67 363	59.6	63 582	56.3	587	62 995	3 781	5.6	45 621
2003 ¹	114 733	68 272	59.5	64 404	56.1	580	63 824	3 868	5.7	46 461

¹Not strictly comparable with data for prior years. See "Notes and Definitions" for information on historical comparability.

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003

(Thousands of people.)

Employment status, sex, and age	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
TOTAL CIVILIAN NONINSTITUTIONAL POPULATION										
Civilian noninstitutional population	176 383	178 206	180 587	182 753	184 613	186 393	189 164	190 925	192 805	194 838
Civilian labor force	113 544	115 461	117 834	119 865	121 669	123 869	125 840	126 346	128 105	129 200
Employed	105 005	107 150	109 597	112 440	114 968	117 342	118 793	117 718	118 492	120 259
Agriculture	3 321	3 179	3 163	3 208	3 169	3 199	3 223	3 269	3 247	3 115
Nonagricultural industries	101 685	103 971	106 434	109 232	111 800	114 142	115 570	114 449	115 245	117 144
Unemployed	8 539	8 312	8 237	7 425	6 701	6 528	7 047	8 628	9 613	8 940
Not in labor force	62 839	62 744	62 752	62 888	62 944	62 523	63 324	64 578	64 700	65 638
MEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	83 605	84 469	85 798	86 899	87 857	88 762	90 377	91 278	92 270	93 332
Civilian labor force	63 835	64 411	65 422	66 207	66 927	67 840	69 011	69 168	69 964	70 404
Employed	59 091	59 891	60 892	62 107	63 273	64 315	65 104	64 223	64 440	65 349
Agriculture	2 668	2 535	2 511	2 543	2 493	2 513	2 546	2 589	2 575	2 478
Nonagricultural industries	56 423	57 356	58 381	59 564	60 780	61 802	62 559	61 634	61 866	62 871
Unemployed	4 744	4 521	4 530	4 101	3 655	3 525	3 906	4 946	5 523	5 055
Not in labor force	19 771	20 058	20 376	20 692	20 930	20 923	21 367	22 110	22 306	22 927
MEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	76 219	77 195	78 523	79 565	80 553	81 619	83 030	84 144	85 247	86 256
Civilian labor force	59 701	60 277	61 320	62 095	62 768	63 704	64 916	65 374	66 213	66 642
Employed	55 769	56 562	57 569	58 726	59 781	60 837	61 678	61 178	61 496	62 355
Agriculture	2 418	2 278	2 292	2 329	2 271	2 307	2 329	2 383	2 385	2 293
Nonagricultural industries	53 351	54 284	55 277	56 397	57 510	58 530	59 349	58 795	59 111	60 063
Unemployed	3 932	3 715	3 751	3 369	2 987	2 867	3 239	4 195	4 717	4 287
Not in labor force	16 518	16 918	17 203	17 470	17 785	17 915	18 114	18 770	19 034	19 613
WOMEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	92 778	93 736	94 789	95 853	96 756	97 630	98 787	99 646	100 535	101 506
Civilian labor force	49 709	51 050	52 413	53 658	54 742	56 030	56 829	57 178	58 141	58 795
Employed	45 915	47 259	48 706	50 334	51 696	53 027	53 689	53 496	54 052	54 910
Agriculture	653	644	652	666	676	687	678	680	672	637
Nonagricultural industries	45 262	46 615	48 054	49 668	51 020	52 341	53 011	52 815	53 380	54 273
Unemployed	3 794	3 791	3 707	3 324	3 046	3 003	3 140	3 683	4 090	3 885
Not in labor force	43 068	42 686	42 376	42 195	42 014	41 601	41 957	42 468	42 394	42 711
WOMEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	85 429	86 506	87 567	88 583	89 532	90 550	91 614	92 708	93 718	94 647
Civilian labor force	45 900	47 283	48 589	49 783	50 870	52 212	53 131	53 708	54 796	55 388
Employed	42 793	44 154	45 556	47 074	48 383	49 745	50 535	50 634	51 328	52 099
Agriculture	595	596	614	622	625	642	631	639	625	598
Nonagricultural industries	42 198	43 558	44 943	46 453	47 757	49 103	49 904	49 995	50 702	51 501
Unemployed	3 107	3 129	3 032	2 709	2 487	2 467	2 596	3 074	3 469	3 288
Not in labor force	39 529	39 222	38 979	38 800	38 662	38 339	38 483	39 000	38 922	39 260
BOTH SEXES, 16–19 YEARS										
Civilian noninstitutional population	14 735	14 506	14 496	14 606	14 527	14 223	14 520	14 073	13 840	13 935
Civilian labor force	7 943	7 901	7 926	7 988	8 031	7 954	7 792	7 265	7 096	7 170
Employed	6 444	6 434	6 472	6 640	6 805	6 759	6 581	5 906	5 669	5 805
Agriculture	309	305	258	258	273	250	264	247	237	224
Nonagricultural industries	6 135	6 129	6 215	6 382	6 532	6 510	6 317	5 659	5 432	5 580
Unemployed	1 499	1 468	1 454	1 347	1 226	1 194	1 212	1 359	1 427	1 365
Not in labor force	6 791	6 604	6 570	6 618	6 497	6 270	6 727	6 808	6 745	6 765

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL CIVILIAN NONINSTITUTIONAL POPULATION										
Civilian noninstitutional population	196 814	198 584	200 591	203 133	205 220	207 753	212 577	215 092	217 570	221 168
Civilian labor force	131 056	132 304	133 943	136 297	137 673	139 368	142 583	143 734	144 863	146 510
Employed	123 060	124 900	126 708	129 558	131 463	133 488	136 891	136 933	136 485	137 736
Agriculture	3 409	3 440	3 443	3 399	3 378	3 281	2 464	2 299	2 311	2 275
Nonagricultural industries	119 651	121 460	123 264	126 159	128 085	130 207	134 427	134 635	134 174	135 461
Unemployed	7 996	7 404	7 236	6 739	6 210	5 880	5 692	6 801	8 378	8 774
Not in labor force	65 758	66 280	66 647	66 837	67 547	68 385	69 994	71 359	72 707	74 658
MEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	94 355	95 178	96 206	97 715	98 758	99 722	101 964	103 282	104 585	106 435
Civilian labor force	70 817	71 360	72 087	73 261	73 959	74 512	76 280	76 886	77 500	78 238
Employed	66 450	67 377	68 207	69 685	70 693	71 446	73 305	73 196	72 903	73 332
Agriculture	2 554	2 559	2 573	2 552	2 553	2 432	1 861	1 708	1 724	1 695
Nonagricultural industries	63 896	64 818	65 634	67 133	68 140	69 014	71 444	71 488	71 179	71 636
Unemployed	4 367	3 983	3 880	3 577	3 266	3 066	2 975	3 690	4 597	4 906
Not in labor force	23 538	23 818	24 119	24 454	24 799	25 210	25 684	26 396	27 085	28 197
MEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	87 151	87 811	88 606	89 879	90 790	91 555	93 875	95 181	96 439	98 272
Civilian labor force	66 921	67 324	68 044	69 166	69 715	70 194	72 010	72 816	73 630	74 623
Employed	63 294	64 085	64 897	66 284	67 135	67 761	69 634	69 776	69 734	70 415
Agriculture	2 351	2 335	2 356	2 356	2 350	2 244	1 756	1 613	1 629	1 614
Nonagricultural industries	60 943	61 750	62 541	63 927	64 785	65 517	67 878	68 163	68 104	68 801
Unemployed	3 627	3 239	3 146	2 882	2 580	2 433	2 376	3 040	3 896	4 209
Not in labor force	20 230	20 487	20 563	20 713	21 075	21 362	21 864	22 365	22 809	23 649
WOMEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	102 460	103 406	104 385	105 418	106 462	108 031	110 613	111 811	112 985	114 733
Civilian labor force	60 239	60 944	61 857	63 036	63 714	64 855	66 303	66 848	67 363	68 272
Employed	56 610	57 523	58 501	59 873	60 771	62 042	63 586	63 737	63 582	64 404
Agriculture	855	881	871	847	825	849	602	591	587	580
Nonagricultural industries	55 755	56 642	57 630	59 026	59 945	61 193	62 983	63 147	62 995	63 824
Unemployed	3 629	3 421	3 356	3 162	2 944	2 814	2 717	3 111	3 781	3 868
Not in labor force	42 221	42 462	42 528	42 382	42 748	43 175	44 310	44 962	45 621	46 461
WOMEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	95 467	96 262	97 050	97 889	98 786	100 158	102 790	103 983	105 136	106 800
Civilian labor force	56 655	57 215	58 094	59 198	59 702	60 840	62 301	63 016	63 648	64 716
Employed	53 606	54 396	55 311	56 613	57 278	58 555	60 067	60 417	60 420	61 402
Agriculture	809	830	827	798	768	803	567	558	557	550
Nonagricultural industries	52 796	53 566	54 484	55 815	56 510	57 752	59 500	59 860	59 863	60 852
Unemployed	3 049	2 819	2 783	2 585	2 424	2 285	2 235	2 599	3 228	3 314
Not in labor force	38 813	39 047	38 956	38 691	39 084	39 318	40 488	40 967	41 488	42 083
BOTH SEXES, 16–19 YEARS										
Civilian noninstitutional population	14 196	14 511	14 934	15 365	15 644	16 040	15 912	15 929	15 994	16 096
Civilian labor force	7 481	7 765	7 806	7 932	8 256	8 333	8 271	7 902	7 585	7 170
Employed	6 161	6 419	6 500	6 661	7 051	7 172	7 189	6 740	6 332	5 919
Agriculture	249	275	261	244	261	234	141	128	124	111
Nonagricultural industries	5 912	6 144	6 239	6 417	6 790	6 938	7 049	6 611	6 207	5 808
Unemployed	1 320	1 346	1 306	1 271	1 205	1 162	1 081	1 162	1 253	1 251
Not in labor force	6 715	6 746	7 128	7 433	7 388	7 706	7 642	8 027	8 409	8 926

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
TOTAL, WHITE¹										
Civilian noninstitutional population	152 347	153 679	155 432	156 958	158 194	159 338	160 625	161 759	162 972	164 289
Civilian labor force	98 492	99 926	101 801	103 290	104 756	106 355	107 447	107 743	108 837	109 700
Employed	92 120	93 736	95 660	97 789	99 812	101 584	102 261	101 182	101 669	103 045
Agriculture	3 057	2 936	2 958	2 986	2 965	2 996	2 998	3 026	3 018	2 895
Nonagricultural industries	89 063	90 799	92 703	94 803	96 846	98 588	99 263	98 157	98 650	100 150
Unemployed	6 372	6 191	6 140	5 501	4 944	4 770	5 186	6 560	7 169	6 655
Not in labor force	53 855	53 753	53 631	53 669	53 349	52 983	53 178	54 061	54 135	54 589
WHITE MEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	72 723	73 373	74 390	75 189	75 855	76 468	77 369	77 977	78 651	79 371
Civilian labor force	56 062	56 472	57 217	57 779	58 317	58 988	59 638	59 656	60 168	60 484
Employed	52 462	53 046	53 785	54 647	55 550	56 352	56 703	55 797	55 959	56 656
Agriculture	2 437	2 325	2 340	2 354	2 318	2 345	2 353	2 384	2 378	2 286
Nonagricultural industries	50 025	50 720	51 444	52 293	53 232	54 007	54 350	53 413	53 580	54 370
Unemployed	3 600	3 426	3 433	3 132	2 766	2 636	2 935	3 859	4 209	3 828
Not in labor force	16 661	16 901	17 173	17 410	17 538	17 480	17 731	18 321	18 484	18 887
WHITE MEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	66 610	67 386	68 413	69 175	69 887	70 654	71 457	72 274	73 040	73 721
Civilian labor force	52 453	52 895	53 675	54 232	54 734	55 441	56 116	56 387	56 976	57 284
Employed	49 461	50 061	50 818	51 649	52 466	53 292	53 685	53 103	53 357	54 021
Agriculture	2 201	2 085	2 131	2 150	2 104	2 149	2 148	2 192	2 197	2 114
Nonagricultural industries	47 260	47 976	48 687	49 499	50 362	51 143	51 537	50 912	51 160	51 907
Unemployed	2 992	2 834	2 857	2 584	2 268	2 149	2 431	3 284	3 620	3 263
Not in labor force	14 157	14 490	14 738	14 942	15 153	15 213	15 340	15 887	16 064	16 436
WHITE WOMEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	79 624	80 306	81 042	81 769	82 340	82 871	83 256	83 781	84 321	84 918
Civilian labor force	42 431	43 455	44 584	45 510	46 439	47 367	47 809	48 087	48 669	49 216
Employed	39 659	40 690	41 876	43 142	44 262	45 232	45 558	45 385	45 710	46 390
Agriculture	620	611	617	632	648	651	645	641	640	609
Nonagricultural industries	39 038	40 079	41 259	42 509	43 614	44 581	44 913	44 744	45 070	45 780
Unemployed	2 772	2 765	2 708	2 369	2 177	2 135	2 251	2 701	2 959	2 827
Not in labor force	37 193	36 852	36 458	36 258	35 901	35 504	35 447	35 695	35 651	35 702
WHITE WOMEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	73 590	74 394	75 140	75 845	76 470	77 154	77 539	78 285	78 928	79 490
Civilian labor force	39 087	40 190	41 264	42 164	43 081	44 105	44 648	45 111	45 839	46 311
Employed	36 823	37 907	39 050	40 242	41 316	42 346	42 796	42 862	43 327	43 910
Agriculture	564	566	580	590	599	608	598	601	594	572
Nonagricultural industries	36 259	37 341	38 471	39 652	40 717	41 738	42 198	42 261	42 733	43 339
Unemployed	2 264	2 283	2 213	1 922	1 766	1 758	1 852	2 248	2 512	2 400
Not in labor force	34 503	34 204	33 876	33 681	33 389	33 050	32 891	33 174	33 089	33 179
WHITE BOTH SEXES, 16–19 YEARS¹										
Civilian noninstitutional population	12 147	11 900	11 879	11 939	11 838	11 530	11 630	11 200	11 004	11 078
Civilian labor force	6 952	6 841	6 862	6 893	6 940	6 809	6 683	6 245	6 022	6 105
Employed	5 836	5 768	5 792	5 898	6 030	5 946	5 779	5 216	4 985	5 113
Agriculture	292	285	247	246	263	239	252	233	228	209
Nonagricultural industries	5 544	5 483	5 545	5 652	5 767	5 707	5 528	4 984	4 757	4 904
Unemployed	1 116	1 074	1 070	995	910	863	903	1 029	1 037	992
Not in labor force	5 195	5 058	5 017	5 045	4 897	4 721	4 947	4 955	4 982	4 973

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL, WHITE¹										
Civilian noninstitutional population	165 555	166 914	168 317	169 993	171 478	173 085	176 220	178 111	179 783	181 292
Civilian labor force	111 082	111 950	113 108	114 693	115 415	116 509	118 545	119 399	120 150	120 546
Employed	105 190	106 490	107 808	109 856	110 931	112 235	114 424	114 430	114 013	114 235
Agriculture	3 162	3 194	3 276	3 208	3 160	3 083	2 320	2 174	2 171	2 148
Nonagricultural industries	102 027	103 296	104 532	106 648	107 770	109 152	112 104	112 256	111 841	112 087
Unemployed	5 892	5 459	5 300	4 836	4 484	4 273	4 121	4 969	6 137	6 311
Not in labor force	54 473	54 965	55 209	55 301	56 064	56 577	57 675	58 713	59 633	60 746
WHITE MEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	80 059	80 733	81 489	82 577	83 352	83 930	85 370	86 452	87 361	88 249
Civilian labor force	60 727	61 146	61 783	62 639	63 034	63 413	64 466	64 966	65 308	65 509
Employed	57 452	58 146	58 888	59 998	60 604	61 139	62 289	62 212	61 849	61 866
Agriculture	2 347	2 347	2 436	2 389	2 376	2 273	1 743	1 606	1 611	1 597
Nonagricultural industries	55 104	55 800	56 452	57 608	58 228	58 866	60 546	60 606	60 238	60 269
Unemployed	3 275	2 999	2 896	2 641	2 431	2 274	2 177	2 754	3 459	3 643
Not in labor force	19 332	19 587	19 706	19 938	20 317	20 517	20 905	21 486	22 053	22 740
WHITE MEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	74 311	74 879	75 454	76 320	76 966	77 432	78 966	80 029	80 922	81 860
Civilian labor force	57 411	57 719	58 340	59 126	59 421	59 747	60 850	61 519	62 067	62 473
Employed	54 676	55 254	55 977	56 986	57 500	57 934	59 119	59 245	59 124	59 348
Agriculture	2 151	2 132	2 224	2 201	2 182	2 094	1 640	1 512	1 519	1 517
Nonagricultural industries	52 525	53 122	53 753	54 785	55 319	55 839	57 479	57 733	57 605	57 831
Unemployed	2 735	2 465	2 363	2 140	1 920	1 813	1 731	2 275	2 943	3 125
Not in labor force	16 900	17 161	17 114	17 194	17 545	17 685	18 116	18 510	18 855	19 386
WHITE WOMEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	85 496	86 181	86 828	87 417	88 126	89 156	90 850	91 660	92 422	93 043
Civilian labor force	50 356	50 804	51 325	52 054	52 380	53 096	54 079	54 433	54 842	55 037
Employed	47 738	48 344	48 920	49 859	50 327	51 096	52 136	52 218	52 164	52 369
Agriculture	815	847	840	819	784	810	578	568	560	551
Nonagricultural industries	46 923	47 497	48 080	49 040	49 543	50 286	51 558	51 650	51 604	51 818
Unemployed	2 617	2 460	2 404	2 195	2 053	1 999	1 944	2 215	2 678	2 668
Not in labor force	35 141	35 377	35 503	35 363	35 746	36 060	36 770	37 227	37 581	38 006
WHITE WOMEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	79 980	80 567	81 041	81 492	82 073	82 953	84 718	85 526	86 266	86 905
Civilian labor force	47 314	47 686	48 162	48 847	49 029	49 714	50 740	51 218	51 717	52 099
Employed	45 116	45 643	46 164	47 063	47 342	48 098	49 145	49 369	49 448	49 823
Agriculture	772	799	798	771	729	765	546	537	532	522
Nonagricultural industries	44 344	44 844	45 366	46 292	46 612	47 333	48 599	48 831	48 916	49 301
Unemployed	2 197	2 042	1 998	1 784	1 688	1 616	1 595	1 849	2 269	2 276
Not in labor force	32 666	32 881	32 879	32 645	33 044	33 239	33 978	34 308	34 548	34 806
WHITE BOTH SEXES, 16–19 YEARS¹										
Civilian noninstitutional population	11 264	11 468	11 822	12 181	12 439	12 700	12 535	12 556	12 596	12 527
Civilian labor force	6 357	6 545	6 607	6 720	6 965	7 048	6 955	6 661	6 366	5 973
Employed	5 398	5 593	5 667	5 807	6 089	6 204	6 160	5 817	5 441	5 064
Agriculture	239	262	254	236	250	224	135	125	121	109
Nonagricultural industries	5 158	5 331	5 413	5 571	5 839	5 980	6 025	5 692	5 320	4 955
Unemployed	960	952	939	912	876	844	795	845	925	909
Not in labor force	4 907	4 923	5 215	5 462	5 475	5 652	5 581	5 894	6 230	6 554

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
TOTAL, BLACK¹										
Civilian noninstitutional population	19 348	19 664	19 989	20 352	20 692	21 021	21 477	21 799	22 147	22 521
Civilian labor force	12 033	12 364	12 654	12 993	13 205	13 497	13 740	13 797	14 162	14 225
Employed	10 119	10 501	10 814	11 309	11 658	11 953	12 175	12 074	12 151	12 382
Agriculture	196	189	155	164	153	150	142	160	153	143
Nonagricultural industries	9 923	10 312	10 659	11 145	11 505	11 803	12 034	11 914	11 997	12 239
Unemployed	1 914	1 864	1 840	1 684	1 547	1 544	1 565	1 723	2 011	1 844
Not in labor force	7 315	7 299	7 335	7 359	7 487	7 524	7 737	8 002	7 985	8 296
BLACK MEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	8 654	8 790	8 956	9 128	9 289	9 439	9 573	9 725	9 896	10 083
Civilian labor force	6 126	6 220	6 373	6 486	6 596	6 701	6 802	6 851	6 997	7 019
Employed	5 124	5 270	5 428	5 661	5 824	5 928	5 995	5 961	5 930	6 047
Agriculture	174	167	133	142	133	127	124	139	138	128
Nonagricultural industries	4 950	5 103	5 295	5 519	5 691	5 802	5 872	5 822	5 791	5 919
Unemployed	1 003	951	946	826	771	773	806	890	1 067	971
Not in labor force	2 528	2 570	2 583	2 642	2 694	2 738	2 772	2 874	2 899	3 064
BLACK MEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	7 599	7 731	7 907	8 063	8 063	8 215	8 364	8 479	8 652	8 840
Civilian labor force	5 686	5 749	5 915	6 023	6 023	6 127	6 221	6 357	6 451	6 568
Employed	4 871	4 992	5 150	5 357	5 357	5 509	5 602	5 692	5 706	5 681
Agriculture	161	154	125	135	135	129	119	117	131	131
Nonagricultural industries	4 710	4 837	5 025	5 222	5 222	5 381	5 483	5 576	5 575	5 550
Unemployed	815	757	765	666	666	617	619	664	745	886
Not in labor force	1 913	1 982	1 991	2 040	2 040	2 089	2 143	2 122	2 202	801
BLACK WOMEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	10 694	10 873	11 033	11 224	11 402	11 582	11 904	12 074	12 251	12 438
Civilian labor force	5 907	6 144	6 281	6 507	6 609	6 796	6 938	6 946	7 166	7 206
Employed	4 995	5 231	5 386	5 648	5 834	6 025	6 180	6 113	6 221	6 334
Agriculture	22	22	22	22	20	22	18	21	15	15
Nonagricultural industries	4 973	5 209	5 364	5 626	5 814	6 001	6 162	6 092	6 206	6 320
Unemployed	911	913	894	858	776	772	758	833	944	872
Not in labor force	4 787	4 729	4 752	4 717	4 793	4 786	4 965	5 129	5 086	5 231
BLACK WOMEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	9 588	9 773	9 945	10 126	10 298	10 482	10 760	10 959	11 152	11 332
Civilian labor force	5 520	5 727	5 855	6 071	6 190	6 352	6 517	6 572	6 778	6 824
Employed	4 773	4 977	5 128	5 365	5 548	5 727	5 884	5 874	5 978	6 095
Agriculture	21	19	22	20	18	23	18	20	15	14
Nonagricultural industries	4 752	4 959	5 106	5 345	5 530	5 703	5 867	5 853	5 963	6 081
Unemployed	747	750	728	706	642	625	633	698	800	729
Not in labor force	4 069	4 046	4 090	4 054	4 108	4 130	4 243	4 388	4 374	4 508
BLACK, BOTH SEXES, 16–19 YEARS¹										
Civilian noninstitutional population	2 161	2 160	2 137	2 163	2 179	2 176	2 238	2 187	2 155	2 181
Civilian labor force	827	889	883	899	889	925	866	774	816	807
Employed	474	532	536	587	601	625	598	494	492	494
Agriculture	13	16	8	9	7	8	7	8	7	9
Nonagricultural industries	460	516	529	578	594	617	591	486	485	485
Unemployed	353	357	347	312	288	300	268	280	324	313
Not in labor force	1 334	1 271	1 254	1 264	1 291	1 251	1 372	1 413	1 339	1 374

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL, BLACK¹										
Civilian noninstitutional population	22 879	23 246	23 604	24 003	24 373	24 855	24 902	25 138	25 578	25 686
Civilian labor force	14 502	14 817	15 134	15 529	15 982	16 365	16 397	16 421	16 565	16 526
Employed	12 835	13 279	13 542	13 969	14 556	15 056	15 156	15 006	14 872	14 739
Agriculture	136	101	98	117	138	117	77	62	69	63
Nonagricultural industries	12 699	13 178	13 444	13 852	14 417	14 939	15 079	14 944	14 804	14 676
Unemployed	1 666	1 538	1 592	1 560	1 426	1 309	1 241	1 416	1 693	1 787
Not in labor force	8 377	8 429	8 470	8 474	8 391	8 490	8 505	8 717	9 013	9 161
BLACK MEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	10 258	10 411	10 575	10 763	10 927	11 143	11 129	11 172	11 391	11 454
Civilian labor force	7 089	7 183	7 264	7 354	7 542	7 652	7 702	7 647	7 794	7 711
Employed	6 241	6 422	6 456	6 607	6 871	7 027	7 082	6 938	6 959	6 820
Agriculture	118	93	86	103	118	99	67	56	63	52
Nonagricultural industries	6 122	6 329	6 371	6 504	6 752	6 952	7 015	6 882	6 896	6 768
Unemployed	848	762	808	747	671	671	620	709	835	891
Not in labor force	3 169	3 228	3 311	3 409	3 386	3 386	3 427	3 525	3 597	3 743
BLACK MEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	9 171	9 280	9 414	9 575	9 727	9 926	9 952	9 993	10 196	10 278
Civilian labor force	6 646	6 730	6 806	6 910	7 053	7 182	7 240	7 200	7 347	7 346
Employed	5 964	6 137	6 167	6 325	6 530	6 702	6 741	6 627	6 652	6 586
Agriculture	115	89	83	101	112	96	67	55	62	51
Nonagricultural industries	5 849	6 048	6 084	6 224	6 418	6 606	6 675	6 570	6 591	6 535
Unemployed	682	593	639	585	524	480	499	573	695	760
Not in labor force	2 525	2 550	2 608	2 665	2 673	2 743	2 711	2 792	2 848	2 932
BLACK WOMEN, 16 YEARS AND OLDER¹										
Civilian noninstitutional population	12 621	12 835	13 029	13 241	13 446	13 711	13 772	13 966	14 187	14 232
Civilian labor force	7 413	7 634	7 869	8 175	8 441	8 713	8 695	8 774	8 772	8 815
Employed	6 595	6 857	7 086	7 362	7 685	8 029	8 073	8 068	7 914	7 919
Agriculture	18	8	13	14	20	18	10	6	6	11
Nonagricultural industries	6 577	6 849	7 073	7 348	7 665	8 011	8 064	8 062	7 907	7 908
Unemployed	818	777	784	813	756	684	621	706	858	895
Not in labor force	5 208	5 201	5 159	5 066	5 005	4 999	5 078	5 192	5 415	5 418
BLACK WOMEN, 20 YEARS AND OLDER¹										
Civilian noninstitutional population	11 496	11 682	11 833	12 016	12 023	12 451	12 561	12 758	12 966	13 026
Civilian labor force	7 004	7 175	7 405	7 686	7 912	8 224	8 215	8 323	8 348	8 409
Employed	6 320	6 556	6 762	7 013	7 290	7 663	7 703	7 741	7 610	7 636
Agriculture	17	7	12	13	19	17	9	6	5	10
Nonagricultural industries	6 303	6 548	6 749	7 000	7 272	7 646	7 694	7 735	7 604	7 626
Unemployed	685	620	643	673	622	561	512	582	738	772
Not in labor force	4 492	4 507	4 428	4 330	4 291	4 226	4 346	4 434	4 618	4 618
BLACK, BOTH SEXES, 16–19 YEARS¹										
Civilian noninstitutional population	2 211	2 284	2 356	2 412	2 443	2 479	2 389	2 388	2 416	2 382
Civilian labor force	852	911	923	933	1 017	959	941	898	870	771
Employed	552	586	613	631	736	691	711	637	611	516
Agriculture	1	5	3	3	8	4	1	1	2	1
Nonagricultural industries	547	581	611	611	728	687	710	637	609	516
Unemployed	300	325	310	310	281	268	230	260	260	255
Not in labor force	1 360	1 372	1 434	1 434	1 427	1 520	1 448	1 490	1 546	1 611

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993
TOTAL, HISPANIC										
Civilian noninstitutional population	11 478	11 915	12 344	12 867	13 325	13 791	15 904	16 425	16 961	17 532
Civilian labor force	7 451	7 698	8 076	8 541	8 982	9 323	10 720	10 920	11 338	11 610
Employed	6 651	6 888	7 219	7 790	8 250	8 573	9 845	9 828	10 027	10 361
Agriculture	341	302	329	398	407	440	517	512	524	523
Nonagricultural industries	6 310	6 586	6 890	7 391	7 843	8 133	9 328	9 315	9 503	9 838
Unemployed	800	811	857	751	732	750	876	1 092	1 311	1 248
Not in labor force	4 027	4 217	4 268	4 327	4 342	4 468	5 184	5 506	5 623	5 922
HISPANIC MEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	5 661	5 885	6 106	6 371	6 604	6 825	8 041	8 296	8 553	8 824
Civilian labor force	4 563	4 729	4 948	5 163	5 409	5 595	6 546	6 664	6 900	7 076
Employed	4 083	4 245	4 428	4 713	4 972	5 172	6 021	5 979	6 093	6 328
Agriculture	296	264	287	351	356	393	449	453	468	469
Nonagricultural industries	3 787	3 981	4 140	4 361	4 616	4 779	5 572	5 526	5 625	5 860
Unemployed	480	483	520	451	437	423	524	685	807	747
Not in labor force	1 098	1 157	1 158	1 208	1 195	1 230	1 495	1 632	1 654	1 749
HISPANIC MEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	5 005	5 232	5 451	5 700	5 921	6 114	7 126	7 392	7 655	7 930
Civilian labor force	4 218	4 395	4 612	4 818	5 031	5 195	6 034	6 198	6 432	6 621
Employed	3 825	3 994	4 174	4 444	4 680	4 853	5 609	5 623	5 757	5 992
Agriculture	271	239	263	327	327	366	415	419	437	441
Nonagricultural industries	3 554	3 754	3 911	4 118	4 353	4 487	5 195	5 204	5 320	5 551
Unemployed	393	401	438	374	351	342	425	575	675	629
Not in labor force	787	837	839	882	890	919	1 092	1 194	1 223	1 309
HISPANIC WOMEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	5 816	6 029	6 238	6 496	6 721	6 965	7 863	8 130	8 408	8 708
Civilian labor force	2 888	2 970	3 128	3 377	3 573	3 728	4 174	4 256	4 439	4 534
Employed	2 568	2 642	2 791	3 077	3 278	3 401	3 823	3 848	3 934	4 033
Agriculture	46	38	42	47	51	48	68	59	57	55
Nonagricultural industries	2 522	2 604	2 749	3 030	3 227	3 353	3 755	3 789	3 877	3 978
Unemployed	320	327	337	300	296	327	351	407	504	501
Not in labor force	2 929	3 059	3 110	3 119	3 147	3 237	3 689	3 874	3 969	4 174
HISPANIC WOMEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	5 173	5 385	5 591	5 835	6 050	6 278	7 041	7 301	7 569	7 846
Civilian labor force	2 725	2 893	3 112	3 281	3 448	3 857	3 941	4 110	4 218	4 421
Employed	2 357	2 456	2 615	2 872	3 047	3 172	3 567	3 603	3 693	3 800
Agriculture	37	31	39	45	49	44	62	53	51	49
Nonagricultural industries	2 320	2 424	2 576	2 827	2 998	3 128	3 505	3 549	3 642	3 751
Unemployed	258	269	278	241	234	276	289	339	418	418
Not in labor force	2 558	2 660	2 698	2 723	2 769	2 830	3 184	3 360	3 459	3 628
HISPANIC BOTH SEXES, 16–19 YEARS										
Civilian noninstitutional population	1 300	1 298	1 302	1 332	1 354	1 399	1 737	1 732	1 737	1 756
Civilian labor force	618	579	571	610	671	680	829	781	796	771
Employed	468	438	430	474	523	548	668	602	577	570
Agriculture	34	31	27	27	32	31	40	41	36	33
Nonagricultural industries	435	407	403	447	492	517	628	562	541	537
Unemployed	149	141	141	136	148	132	161	179	219	201
Not in labor force	682	719	730	722	683	719	907	951	941	985

Table 1-3. Employment Status of the Civilian Noninstitutional Population by Sex, Race, Hispanic Origin, and Age, 1984–2003—Continued

(Thousands of people.)

Employment status, sex, and age	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL, HISPANIC										
Civilian noninstitutional population	18 117	18 629	19 213	20 321	21 070	21 650	23 938	24 942	25 963	27 551
Civilian labor force	11 975	12 267	12 774	13 796	14 317	14 665	16 689	17 328	17 943	18 813
Employed	10 788	11 127	11 642	12 726	13 291	13 720	15 735	16 190	16 590	17 372
Agriculture	560	604	609	660	742	734	536	423	448	446
Nonagricultural industries	10 227	10 524	11 033	12 067	12 549	12 986	15 199	15 767	16 141	16 927
Unemployed	1 187	1 140	1 132	1 069	1 026	945	954	1 138	1 353	1 441
Not in labor force	6 142	6 362	6 439	6 526	6 753	6 985	7 249	7 614	8 020	8 738
HISPANIC MEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	9 104	9 329	9 604	10 368	10 734	10 713	12 174	12 695	13 221	14 098
Civilian labor force	7 210	7 376	7 646	8 309	8 571	8 546	9 923	10 279	10 609	11 288
Employed	6 530	6 725	7 039	7 728	8 018	8 067	9 428	9 668	9 845	10 479
Agriculture	494	527	537	571	651	642	449	345	361	350
Nonagricultural industries	6 036	6 198	6 502	7 157	7 367	7 425	8 979	9 323	9 484	10 129
Unemployed	680	651	607	582	552	480	494	611	764	809
Not in labor force	1 894	1 952	1 957	2 059	2 164	2 167	2 252	2 416	2 613	2 810
HISPANIC MEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	8 178	8 375	8 611	9 250	9 573	9 523	10 841	11 386	11 928	12 797
Civilian labor force	6 747	6 898	7 150	7 779	8 005	7 950	9 247	9 595	9 977	10 756
Employed	6 189	6 367	6 655	7 307	7 570	7 576	8 859	9 100	9 341	10 063
Agriculture	466	501	510	544	621	602	423	328	345	336
Nonagricultural industries	5 722	5 866	6 145	6 763	6 949	6 974	8 435	8 773	8 996	9 727
Unemployed	558	530	495	471	436	374	388	495	636	693
Not in labor force	1 431	1 477	1 461	1 471	1 568	1 573	1 595	1 791	1 951	2 041
HISPANIC WOMEN, 16 YEARS AND OLDER										
Civilian noninstitutional population	9 014	9 300	9 610	9 953	10 335	10 937	11 764	12 247	12 742	13 452
Civilian labor force	4 765	4 891	5 128	5 486	5 746	6 119	6 767	7 049	7 334	7 525
Employed	4 258	4 403	4 602	4 999	5 273	5 653	6 307	6 522	6 744	6 894
Agriculture	66	76	72	89	91	92	87	77	87	96
Nonagricultural industries	4 191	4 326	4 531	4 910	5 182	5 561	6 220	6 445	6 657	6 798
Unemployed	508	488	525	488	473	466	460	527	590	631
Not in labor force	4 248	4 409	4 482	4 466	4 589	4 819	4 997	5 198	5 408	5 928
HISPANIC WOMEN, 20 YEARS AND OLDER										
Civilian noninstitutional population	8 122	8 382	8 654	8 950	9 292	9 821	10 574	11 049	11 528	12 211
Civilian labor force	4 520	4 779	5 106	5 304	5 666	6 275	6 557	6 863	7 096	7 096
Employed	3 989	4 116	4 341	4 705	4 928	5 290	5 903	6 121	6 367	6 541
Agriculture	61	72	69	83	85	88	81	73	84	91
Nonagricultural industries	3 928	4 044	4 272	4 622	4 843	5 202	5 822	6 048	6 283	6 450
Unemployed	431	404	438	401	376	376	371	436	496	555
Not in labor force	3 701	3 863	3 875	3 845	3 988	4 155	4 299	4 492	4 666	5 114
HISPANIC BOTH SEXES, 16–19 YEARS										
Civilian noninstitutional population	1 818	1 872	1 948	2 121	2 204	2 307	2 523	2 508	2 507	2 543
Civilian labor force	807	850	845	911	1 007	1 049	1 168	1 176	1 103	960
Employed	609	645	646	714	793	854	973	969	882	768
Agriculture	32	31	29	33	36	45	31	22	19	19
Nonagricultural industries	577	614	617	682	757	809	942	947	863	749
Unemployed	198	205	199	197	214	196	194	208	221	192
Not in labor force	1 010	1 022	1 103	1 210	1 197	1 257	1 355	1 331	1 404	1 583

Table 1-4. Employment Status of the Civilian Noninstitutional Population by Marital Status, Sex, and Race, 1985–2003

(Thousands of people.)

Year	Men				Women			
	Civilian noninstitutional population	Civilian labor force			Civilian noninstitutional population	Civilian labor force		
		Total	Employed	Unemployed		Total	Employed	Unemployed
TOTAL: SINGLE								
1985	23 328	17 208	15 022	2 186	19 768	13 163	11 758	1 404
1986	23 662	17 553	15 407	2 146	20 113	13 512	12 071	1 442
1987	23 947	17 772	15 794	1 978	20 596	13 885	12 561	1 323
1988	24 572	18 345	16 521	1 824	20 961	14 194	12 979	1 215
1989	24 831	18 738	16 936	1 801	21 141	14 377	13 175	1 202
1990	25 870	19 357	17 405	1 952	21 901	14 612	13 336	1 276
1991	26 197	19 411	17 011	2 400	22 173	14 681	13 198	1 482
1992	26 436	19 709	17 098	2 611	22 475	14 872	13 263	1 609
1993	26 570	19 706	17 261	2 445	22 713	15 031	13 484	1 547
1994	26 786	19 786	17 604	2 181	23 000	15 333	13 847	1 486
1995	26 918	19 841	17 833	2 007	23 151	15 467	14 053	1 413
1996	27 387	20 071	18 055	2 016	23 623	15 842	14 403	1 439
1997	28 311	20 689	18 783	1 906	24 285	16 492	15 037	1 455
1998	28 693	21 037	19 240	1 798	24 941	17 087	15 755	1 332
1999	29 104	21 351	19 686	1 665	25 576	17 575	16 267	1 308
2000	29 887	22 002	20 339	1 663	25 920	17 849	16 628	1 221
2001	30 646	22 285	20 298	1 988	26 462	18 021	16 635	1 386
2002	31 072	22 289	19 983	2 306	26 999	18 203	16 583	1 621
2003	31 691	22 297	19 841	2 457	27 802	18 397	16 723	1 674
TOTAL: MARRIED, SPOUSE PRESENT								
1985	52 128	41 014	39 248	1 767	51 832	27 894	26 336	1 558
1986	52 769	41 477	39 658	1 819	52 158	28 623	27 144	1 479
1987	53 223	41 889	40 265	1 625	52 532	29 381	28 107	1 273
1988	53 246	41 832	40 472	1 360	52 775	29 921	28 756	1 166
1989	53 530	42 036	40 760	1 276	52 885	30 548	29 404	1 145
1990	53 793	42 275	40 829	1 446	52 917	30 901	29 714	1 188
1991	54 158	42 303	40 429	1 875	53 169	31 112	29 698	1 415
1992	54 509	42 491	40 341	2 150	53 501	31 700	30 100	1 600
1993	55 178	42 834	40 935	1 899	53 838	31 980	30 499	1 482
1994	55 560	43 005	41 414	1 592	54 155	32 888	31 536	1 352
1995	56 100	43 472	42 048	1 424	54 716	33 359	32 063	1 296
1996	56 363	43 739	42 417	1 322	54 970	33 618	32 406	1 211
1997	56 396	43 808	42 642	1 167	54 915	33 802	32 755	1 047
1998	56 670	43 957	42 923	1 034	55 331	33 857	32 872	985
1999	57 089	44 244	43 254	990	56 178	34 372	33 450	921
2000	58 167	44 987	44 078	908	57 557	35 146	34 209	937
2001	58 448	45 233	44 007	1 226	57 610	35 236	34 153	1 083
2002	59 102	45 766	44 116	1 650	58 165	35 477	34 153	1 323
2003	60 063	46 404	44 653	1 751	59 069	36 046	34 695	1 352
TOTAL: DIVORCED, WIDOWED OR SEPARATED								
1985	9 013	6 190	5 621	568	22 136	9 993	9 165	828
1986	9 367	6 392	5 827	565	22 518	10 277	9 491	787
1987	9 729	6 546	6 048	498	22 726	10 393	9 665	727
1988	10 039	6 751	6 280	471	23 020	10 627	9 962	665
1989	10 401	7 066	6 618	448	23 604	11 104	10 448	656
1990	10 714	7 378	6 871	508	23 968	11 315	10 639	676
1991	10 924	7 454	6 783	671	24 304	11 385	10 600	786
1992	11 325	7 763	7 001	762	24 559	11 570	10 689	881
1993	11 584	7 864	7 153	711	24 955	11 784	10 927	856
1994	12 008	8 026	7 432	594	25 304	12 018	11 227	791
1995	12 160	8 047	7 496	551	25 539	12 118	11 407	712
1996	12 456	8 277	7 735	541	25 791	12 397	11 691	706
1997	13 009	8 764	8 260	504	26 218	12 742	12 082	660
1998	13 394	8 965	8 530	435	26 190	12 771	12 143	628
1999	13 528	8 918	8 507	411	26 276	12 909	12 324	585
2000	13 910	9 291	8 888	403	27 135	13 308	12 748	559
2001	14 188	9 367	8 892	476	27 738	13 592	12 949	642
2002	14 411	9 445	8 804	641	27 821	13 683	12 846	837
2003	14 680	9 537	8 838	699	27 862	13 828	12 986	842

Table 1-4. Employment Status of the Civilian Noninstitutional Population by Marital Status, Sex, and Race, 1985–2003—Continued

(Thousands of people.)

Year	Men				Women			
	Civilian noninstitutional population	Civilian labor force			Civilian noninstitutional population	Civilian labor force		
		Total	Employed	Unemployed		Total	Employed	Unemployed
WHITE: SINGLE¹								
1985	19 100	14 426	12 875	1 550	15 472	10 705	9 828	877
1986	19 316	14 672	13 162	1 510	15 686	10 965	10 060	906
1987	19 526	14 850	13 449	1 401	15 990	11 196	10 382	815
1988	19 966	15 279	13 982	1 297	16 218	11 428	10 674	754
1989	20 076	15 511	14 249	1 263	16 289	11 474	10 741	734
1990	20 746	15 993	14 617	1 376	16 555	11 522	10 729	794
1991	20 899	15 989	14 233	1 756	16 569	11 497	10 557	939
1992	21 025	16 129	14 285	1 844	16 684	11 502	10 526	976
1993	20 974	16 033	14 303	1 730	16 768	11 613	10 633	980
1994	21 071	16 074	14 539	1 535	16 936	11 805	10 885	920
1995	21 132	16 080	14 674	1 406	17 046	11 830	10 967	864
1996	21 454	16 285	14 891	1 394	17 282	11 977	11 099	878
1997	22 236	16 810	15 507	1 303	17 728	12 322	11 443	879
1998	22 513	17 007	15 746	1 261	18 247	12 742	11 945	797
1999	22 788	17 272	16 116	1 157	18 635	13 029	12 206	823
2000	23 266	17 659	16 504	1 154	18 808	13 215	12 449	766
2001	23 979	17 970	16 561	1 409	19 253	13 368	12 491	877
2002	24 289	17 924	16 289	1 635	19 625	13 556	12 550	1 006
2003	24 419	17 755	16 031	1 723	19 924	13 462	12 461	1 001
WHITE: MARRIED, SPOUSE PRESENT¹								
1985	46 925	36 934	35 472	1 462	46 728	24 777	23 468	1 308
1986	47 399	37 230	35 727	1 503	46 892	25 368	24 141	1 226
1987	47 690	37 486	36 127	1 359	47 180	26 014	24 969	1 045
1988	47 685	37 429	36 304	1 125	47 364	26 499	25 540	959
1989	47 883	37 589	36 545	1 044	47 382	27 030	26 083	947
1990	47 841	37 515	36 338	1 177	47 240	27 271	26 285	986
1991	48 137	37 507	35 923	1 585	47 456	27 479	26 290	1 189
1992	48 416	37 671	35 886	1 785	47 705	27 951	26 623	1 329
1993	48 937	37 953	36 396	1 557	47 944	28 221	26 993	1 228
1994	49 169	38 008	36 719	1 288	48 120	29 017	27 888	1 129
1995	49 597	38 376	37 211	1 165	48 497	29 360	28 290	1 070
1996	49 800	38 616	37 522	1 094	48 684	29 517	28 496	1 020
1997	49 719	38 593	37 636	957	48 542	29 664	28 809	855
1998	49 901	38 629	37 793	836	48 722	29 534	28 727	808
1999	50 091	38 765	37 968	797	49 296	29 806	29 056	749
2000	50 775	39 169	38 451	717	50 194	30 344	29 582	762
2001	50 850	39 246	38 265	981	50 077	30 336	29 472	864
2002	51 284	39 580	38 261	1 319	50 489	30 511	29 463	1 048
2003	51 859	39 908	38 529	1 379	50 957	30 805	29 740	1 065
WHITE: DIVORCED, WIDOWED OR SEPARATED¹								
1985	7 348	5 112	4 698	414	18 106	7 973	7 393	580
1986	7 675	5 315	4 896	420	18 463	8 251	7 675	576
1987	7 974	5 443	5 070	373	18 599	8 300	7 791	509
1988	8 204	5 608	5 265	344	18 758	8 512	8 047	464
1989	8 509	5 887	5 558	329	19 200	8 863	8 409	454
1990	8 782	6 131	5 748	382	19 461	9 016	8 544	471
1991	8 941	6 159	5 641	518	19 757	9 111	8 538	573
1992	9 210	6 368	5 788	580	19 931	9 216	8 561	654
1993	9 459	6 498	5 957	541	20 206	9 382	8 764	618
1994	9 819	6 644	6 193	451	20 439	9 533	8 965	569
1995	10 005	6 689	6 261	428	20 638	9 613	9 087	526
1996	10 234	6 883	6 474	408	20 862	9 831	9 325	506
1997	10 622	7 236	6 855	382	21 147	10 068	9 607	461
1998	10 937	7 398	7 064	334	21 157	10 104	9 656	449
1999	11 050	7 375	7 056	320	21 225	10 261	9 834	427
2000	11 329	7 638	7 333	305	21 847	10 521	10 105	416
2001	11 623	7 750	7 386	364	22 330	10 729	10 255	474
2002	11 789	7 804	7 299	505	22 308	10 775	10 151	624
2003	11 971	7 846	7 305	541	22 162	10 769	10 168	602

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-4. Employment Status of the Civilian Noninstitutional Population by Marital Status, Sex, and Race, 1985–2003—Continued

(Thousands of people.)

Year	Men				Women			
	Civilian noninstitutional population	Civilian labor force			Civilian noninstitutional population	Civilian labor force		
		Total	Employed	Unemployed		Total	Employed	Unemployed
BLACK AND OTHER: SINGLE¹								
1985	4 228	2 782	2 147	635	4 297	2 458	1 930	528
1986	4 345	2 881	2 245	636	4 427	2 547	2 011	536
1987	4 421	2 922	2 345	577	4 606	2 688	2 179	509
1988	4 606	3 066	2 539	527	4 743	2 766	2 304	461
1989	4 755	3 227	2 687	538	4 852	2 903	2 434	468
1990	5 124	3 364	2 788	576	5 346	3 090	2 607	482
1991	5 298	3 422	2 778	644	5 604	3 184	2 641	543
1992	5 411	3 580	2 813	767	5 791	3 370	2 737	633
1993	5 596	3 673	2 958	715	5 945	3 418	2 851	567
1994	5 715	3 712	3 065	646	6 064	3 528	2 962	566
1995	5 786	3 761	3 159	601	6 105	3 637	3 086	549
1996	5 933	3 786	3 164	622	6 341	3 865	3 304	561
1997	6 075	3 879	3 276	603	6 557	4 170	3 594	576
1998	6 180	4 030	3 494	537	6 694	4 345	3 810	535
1999	6 316	4 079	3 570	508	6 941	4 546	4 061	485
2000	6 621	4 343	3 835	509	7 112	4 634	4 179	455
2001	6 667	4 315	3 737	579	7 209	4 653	4 144	509
2002	6 783	4 365	3 694	671	7 374	4 647	4 033	615
2003	7 272	4 542	3 810	734	7 878	4 935	4 262	673
BLACK AND OTHER: MARRIED, SPOUSE PRESENT¹								
1985	5 203	4 080	3 775	305	5 104	3 118	2 868	250
1986	5 370	4 247	3 931	316	5 266	3 255	3 003	253
1987	5 534	4 403	4 137	266	5 352	3 367	3 138	228
1988	5 560	4 403	4 168	234	5 411	3 422	3 215	207
1989	5 647	4 447	4 215	232	5 503	3 518	3 321	198
1990	5 952	4 760	4 491	269	5 677	3 630	3 429	202
1991	6 021	4 796	4 506	290	5 713	3 633	3 408	226
1992	6 093	4 820	4 455	365	5 796	3 749	3 477	271
1993	6 241	4 881	4 539	342	5 894	3 759	3 506	254
1994	6 391	4 997	4 695	304	6 035	3 871	3 648	223
1995	6 503	5 096	4 837	259	6 219	3 999	3 773	226
1996	6 563	5 123	4 895	228	6 286	4 101	3 910	191
1997	6 677	5 215	5 006	210	6 373	4 138	3 946	192
1998	6 769	5 328	5 130	198	6 609	4 323	4 145	177
1999	6 998	5 479	5 286	193	6 882	4 566	4 394	172
2000	7 392	5 818	5 627	191	7 363	4 802	4 627	175
2001	7 598	5 987	5 742	245	7 533	4 900	4 681	219
2002	7 818	6 186	5 855	331	7 676	4 966	4 690	275
2003	8 204	6 496	6 124	372	8 112	5 241	4 955	287
BLACK AND OTHER: DIVORCED, WIDOWED OR SEPARATED¹								
1985	1 665	1 078	923	155	4 030	2 020	1 772	248
1986	1 692	1 076	931	146	4 055	2 026	1 816	210
1987	1 755	1 103	977	125	4 127	2 093	1 875	218
1988	1 836	1 142	1 015	127	4 262	2 115	1 914	201
1989	1 892	1 179	1 060	119	4 404	2 241	2 039	202
1990	1 932	1 247	1 123	126	4 507	2 299	2 095	205
1991	1 983	1 295	1 142	153	4 547	2 274	2 062	213
1992	2 115	1 395	1 213	182	4 628	2 354	2 128	227
1993	2 125	1 366	1 196	170	4 749	2 402	2 163	238
1994	2 189	1 382	1 239	143	4 865	2 485	2 262	222
1995	2 155	1 358	1 235	123	4 901	2 505	2 320	186
1996	2 222	1 394	1 261	133	4 929	2 566	2 366	200
1997	2 387	1 528	1 405	122	5 071	2 674	2 475	199
1998	2 457	1 567	1 466	101	5 033	2 667	2 487	179
1999	2 478	1 543	1 451	91	5 051	2 648	2 490	158
2000	2 581	1 653	1 555	98	5 288	2 787	2 643	143
2001	2 565	1 617	1 506	112	5 408	2 863	2 694	168
2002	2 622	1 641	1 505	136	5 513	2 908	2 695	213
2003	2 709	1 691	1 533	158	5 700	3 059	2 818	240

Note: See "Notes and Definitions" for information on historical comparability.

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-5. Employment Status of the Civilian Noninstitutional Population by Region, Division, and State, 2002–2003

(Thousands of people, percent.)

Region, division, and state	2002						2003					
	Civilian noninstitutional population	Civilian labor force				Unemployment rate	Civilian noninstitutional population	Civilian labor force				Unemployment rate
		Total	Participation rate	Employed	Unemployed			Total	Participation rate	Employed	Unemployed	
UNITED STATES ¹	217 570	144 863	66.6	136 485	8 378	5.8	221 168	146 510	66.2	137 736	8 774	6.0
Northeast	41 960	27 531	65.6	25 984	1 547	5.6	42 264	27 415	64.9	25 815	1 599	5.8
New England	11 007	7 548	68.6	7 182	366	4.8	11 092	7 554	68.1	7 145	409	5.4
Connecticut	2 651	1 792	67.6	1 714	78	4.3	2 680	1 803	67.3	1 704	99	5.5
Maine	1 025	680	66.3	650	30	4.4	1 039	693	66.7	658	35	5.1
Massachusetts	5 018	3 467	69.1	3 283	184	5.3	5 028	3 416	67.9	3 217	198	5.8
New Hampshire	990	706	71.3	673	33	4.7	1 005	719	71.5	688	31	4.3
Rhode Island	835	553	66.2	525	28	5.1	844	573	67.9	543	30	5.3
Vermont	489	349	71.4	336	13	3.7	494	351	71.1	335	16	4.6
Middle Atlantic	30 953	19 984	64.6	18 803	1 181	5.9	31 173	19 860	63.7	18 671	1 190	6.0
New Jersey	6 563	4 353	66.3	4 099	254	5.8	6 619	4 375	66.1	4 118	257	5.9
New York	14 789	9 345	63.2	8 773	572	6.1	14 891	9 315	62.6	8 726	589	6.3
Pennsylvania	9 601	6 286	65.5	5 930	356	5.7	9 663	6 170	63.9	5 826	344	5.6
Midwest	49 563	34 099	68.8	32 222	1 878	5.5	49 929	34 291	68.7	32 267	2 024	5.9
East North Central	34 723	23 411	67.4	22 025	1 386	5.9	34 963	23 553	67.4	22 063	1 491	6.3
Illinois	9 510	6 369	67.0	5 955	414	6.5	9 583	6 330	66.1	5 908	422	6.7
Indiana	4 648	3 170	68.2	3 007	163	5.1	4 679	3 188	68.1	3 024	163	5.1
Michigan	7 650	5 001	65.4	4 691	310	6.2	7 706	5 042	65.4	4 674	368	7.3
Ohio	8 729	5 847	67.0	5 515	332	5.7	8 771	5 915	67.4	5 552	363	6.1
Wisconsin	4 186	3 025	72.3	2 858	167	5.5	4 224	3 078	72.9	2 905	174	5.6
West North Central	14 841	10 689	72.0	10 196	492	4.6	14 966	10 737	71.7	10 204	533	5.0
Iowa	2 271	1 663	73.2	1 596	67	4.0	2 286	1 612	70.5	1 540	72	4.5
Kansas	2 035	1 410	69.3	1 338	72	5.1	2 049	1 434	70.0	1 357	77	5.4
Minnesota	3 851	2 915	75.7	2 787	128	4.4	3 896	2 923	75.0	2 778	145	5.0
Missouri	4 318	2 982	69.1	2 818	164	5.5	4 352	3 021	69.4	2 850	170	5.6
Nebraska	1 305	956	73.3	921	34	3.6	1 318	976	74.1	937	39	4.0
North Dakota	489	344	70.3	330	14	4.0	490	346	70.6	333	14	4.0
South Dakota	571	419	73.4	406	13	3.1	576	425	73.8	410	15	3.6
South	77 583	50 551	65.2	47 711	2 840	5.6	78 692	51 228	65.1	48 277	2 951	5.8
South Atlantic	40 706	26 642	65.4	25 218	1 424	5.3	41 345	26 995	65.3	25 586	1 409	5.2
Delaware	617	420	68.1	402	18	4.2	625	417	66.7	399	18	4.4
District of Columbia	458	303	66.2	284	19	6.4	454	302	66.5	281	21	7.0
Florida	12 943	8 095	62.5	7 653	443	5.5	13 211	8 164	61.8	7 744	420	5.1
Georgia	6 318	4 280	67.7	4 060	220	5.1	6 431	4 414	68.6	4 207	207	4.7
Maryland	4 124	2 897	70.2	2 771	126	4.4	4 181	2 904	69.5	2 773	131	4.5
North Carolina	6 254	4 166	66.6	3 885	281	6.7	6 328	4 230	66.8	3 957	273	6.5
South Carolina	3 105	1 944	62.6	1 828	116	6.0	3 142	2 003	63.7	1 866	136	6.8
Virginia	5 451	3 733	68.5	3 581	152	4.1	5 532	3 773	68.2	3 620	154	4.1
West Virginia	1 435	804	56.0	755	49	6.1	1 442	787	54.6	739	48	6.1
East South Central	13 126	8 248	62.8	7 778	470	5.7	13 235	8 325	62.9	7 828	497	6.0
Alabama	3 419	2 095	61.3	1 971	124	5.9	3 442	2 147	62.4	2 023	125	5.8
Kentucky	3 129	1 932	61.7	1 824	108	5.6	3 153	1 956	62.0	1 836	120	6.2
Mississippi	2 126	1 292	60.8	1 204	88	6.8	2 138	1 312	61.4	1 229	83	6.3
Tennessee	4 451	2 928	65.8	2 779	150	5.1	4 501	2 909	64.6	2 740	169	5.8
West South Central	23 752	15 661	65.9	14 715	946	6.0	24 112	15 908	66.0	14 863	1 045	6.6
Arkansas	2 054	1 281	62.4	1 212	70	5.4	2 071	1 265	61.1	1 186	78	6.2
Louisiana	3 324	1 998	60.1	1 876	123	6.1	3 348	2 037	60.8	1 904	134	6.6
Oklahoma	2 622	1 695	64.6	1 618	76	4.5	2 646	1 696	64.1	1 600	96	5.7
Texas	15 753	10 686	67.8	10 009	677	6.3	16 047	10 910	68.0	10 173	738	6.8
West	48 903	32 948	67.4	30 813	2 135	6.5	49 792	33 245	66.8	31 070	2 176	6.5
Mountain	14 137	9 693	68.6	9 135	558	5.8	14 433	9 837	68.2	9 281	556	5.7
Arizona	4 027	2 667	66.2	2 503	165	6.2	4 131	2 690	65.1	2 539	151	5.6
Colorado	3 393	2 437	71.8	2 298	140	5.7	3 440	2 478	72.0	2 328	150	6.0
Idaho	991	686	69.2	646	40	5.8	1 013	693	68.4	655	37	5.4
Montana	705	464	65.8	442	21	4.6	714	475	66.5	452	22	4.7
Nevada	1 626	1 129	69.4	1 066	62	5.5	1 686	1 141	67.7	1 082	59	5.2
New Mexico	1 378	875	63.5	828	48	5.4	1 401	897	64.0	840	57	6.4
Utah	1 634	1 165	71.3	1 094	71	6.1	1 660	1 184	71.3	1 118	67	5.6
Wyoming	383	270	70.5	259	11	4.2	387	278	71.8	266	12	4.4
Pacific	34 766	23 256	66.9	21 678	1 577	6.8	35 359	23 409	66.2	21 789	1 620	6.9
Alaska	450	324	72.0	299	25	7.7	459	332	72.3	305	27	8.0
California	26 040	17 376	66.7	16 215	1 161	6.7	26 490	17 460	65.9	16 283	1 177	6.7
Hawaii	927	606	65.4	581	26	4.2	944	618	65.5	592	27	4.3
Oregon	2 726	1 840	67.5	1 701	139	7.5	2 770	1 859	67.1	1 707	152	8.2
Washington	4 624	3 109	67.2	2 883	227	7.3	4 697	3 140	66.9	2 903	237	7.5
Puerto Rico ²	2 934	1 356	46.2	1 190	166	12.3	2 980	1 393	46.7	1 226	167	12.0

Note: Region and division data are derived from summing the component states. Sub-national data except for Puerto Rico incorporate updated Census 2000-based population controls.

¹Because of separate processing and weighing procedures, totals for the United States differ from the results obtained by aggregating data for regions, divisions, or states.

²The source of these data is the Puerto Rico Department of Labor and Human Resources.

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
TOTAL											
1948	103 068	8 449	4 265	4 185	94 618	11 530	22 610	20 097	16 771	12 885	10 720
1949	103 994	8 215	4 139	4 079	95 778	11 312	22 822	20 401	17 002	13 201	11 035
1950	104 995	8 143	4 076	4 068	96 851	11 080	23 013	20 681	17 240	13 469	11 363
1951	104 621	7 865	4 096	3 771	96 755	10 167	22 843	20 863	17 464	13 692	11 724
1952	105 231	7 922	4 234	3 689	97 305	9 389	23 044	21 137	17 716	13 889	12 126
1953	107 056	8 014	4 241	3 773	99 041	8 960	23 266	21 922	17 991	13 830	13 075
1954	108 321	8 224	4 336	3 889	100 095	8 885	23 304	22 135	18 305	14 085	13 375
1955	109 683	8 364	4 440	3 925	101 318	9 036	23 249	22 348	18 643	14 309	13 728
1956	110 954	8 434	4 482	3 953	102 518	9 271	23 072	22 567	19 012	14 516	14 075
1957	112 265	8 612	4 587	4 026	103 653	9 486	22 849	22 786	19 424	14 727	14 376
1958	113 727	8 986	4 872	4 114	104 737	9 733	22 563	23 025	19 832	14 923	14 657
1959	115 329	9 618	5 337	4 282	105 711	9 975	22 201	23 207	20 203	15 134	14 985
1960	117 245	10 187	5 573	4 615	107 056	10 273	21 998	23 437	20 601	15 409	15 336
1961	118 771	10 513	5 462	5 052	108 255	10 583	21 829	23 585	20 893	15 675	15 685
1962	120 153	10 652	5 503	5 150	109 500	10 852	21 503	23 797	20 916	15 874	16 554
1963	122 416	11 370	6 301	5 070	111 045	11 464	21 400	23 948	21 144	16 138	16 945
1964	124 485	12 111	6 974	5 139	112 372	12 017	21 367	23 940	21 452	16 442	17 150
1965	126 513	12 930	6 936	5 995	113 582	12 442	21 417	23 832	21 728	16 727	17 432
1966	128 058	13 592	6 914	6 679	114 463	12 638	21 543	23 579	21 977	17 007	17 715
1967	129 874	13 480	7 003	6 480	116 391	13 421	22 057	23 313	22 256	17 310	18 029
1968	132 028	13 698	7 200	6 499	118 328	13 891	22 912	23 036	22 534	17 614	18 338
1969	134 335	14 095	7 422	6 673	120 238	14 488	23 645	22 709	22 806	17 930	18 657
1970	137 085	14 519	7 643	6 876	122 566	15 323	24 435	22 489	23 059	18 250	19 007
1971	140 216	15 022	7 849	7 173	125 193	16 345	25 337	22 274	23 244	18 581	19 406
1972	144 126	15 510	8 076	7 435	128 614	17 143	26 740	22 358	23 338	19 007	20 023
1973	147 096	15 840	8 227	7 613	131 253	17 692	28 172	22 287	23 431	19 281	20 389
1974	150 120	16 180	8 373	7 809	133 938	17 994	29 439	22 461	23 578	19 517	20 945
1975	153 153	16 418	8 419	7 999	136 733	18 595	30 710	22 526	23 535	19 844	21 525
1976	156 150	16 614	8 442	8 171	139 536	19 109	31 953	22 796	23 409	20 185	22 083
1977	159 033	16 688	8 482	8 206	142 345	19 582	33 117	23 296	23 197	20 557	22 597
1978	161 910	16 695	8 484	8 211	145 216	20 007	34 091	24 099	22 977	20 875	23 166
1979	164 863	16 657	8 389	8 268	148 205	20 353	35 261	24 861	22 752	21 210	23 767
1980	167 745	16 543	8 279	8 264	151 202	20 635	36 558	25 578	22 563	21 520	24 350
1981	170 130	16 214	8 068	8 145	153 916	20 820	37 777	26 291	22 422	21 756	24 850
1982	172 271	15 763	7 714	8 049	156 508	20 845	38 492	27 611	22 264	21 909	25 387
1983	174 215	15 274	7 385	7 889	158 941	20 799	39 147	28 932	22 167	22 003	25 892
1984	176 383	14 735	7 196	7 538	161 648	20 688	39 999	30 251	22 226	22 052	26 433
1985	178 206	14 506	7 232	7 274	163 700	20 097	40 670	31 379	22 418	22 140	26 997
1986	180 587	14 496	7 386	7 110	166 091	19 569	41 731	32 550	22 732	22 011	27 497
1987	182 753	14 606	7 501	7 104	168 147	18 970	42 297	33 755	23 183	21 835	28 108
1988	184 613	14 527	7 284	7 243	170 085	18 434	42 611	34 784	24 004	21 641	28 612
1989	186 393	14 223	6 886	7 338	172 169	18 025	42 845	35 977	24 744	21 406	29 173
1990	189 164	14 520	6 893	7 626	174 644	18 902	42 976	37 719	25 081	20 719	29 247
1991	190 925	14 073	6 901	7 173	176 852	18 963	42 688	39 116	25 709	20 675	29 700
1992	192 805	13 840	6 907	6 933	178 965	18 846	42 278	39 852	27 206	20 604	30 179
1993	194 838	13 935	7 010	6 925	180 903	18 642	41 771	40 733	28 549	20 574	30 634
1994	196 814	14 196	7 245	6 951	182 619	18 353	41 306	41 534	29 778	20 635	31 012
1995	198 584	14 511	7 407	7 104	184 073	17 864	40 798	42 254	30 974	20 735	31 448
1996	200 591	14 934	7 678	7 256	185 656	17 409	40 252	43 086	32 167	20 990	31 751
1997	203 133	15 365	7 861	7 504	187 769	17 442	39 559	43 883	33 391	21 505	31 989
1998	205 220	15 644	7 895	7 749	189 576	17 593	38 778	44 299	34 373	22 296	32 237
1999	207 753	16 040	8 060	7 979	191 713	17 968	37 976	44 635	35 587	23 064	32 484
2000	212 577	15 912	7 978	7 934	196 664	18 311	38 703	44 312	37 642	24 230	33 466
2001	215 092	15 929	8 020	7 909	199 164	18 877	38 505	44 195	38 904	25 011	33 672
2002	217 570	15 994	8 099	7 895	201 576	19 348	38 472	43 894	39 711	26 343	33 808
2003	221 168	16 096	8 561	7 535	205 072	19 801	39 021	43 746	40 522	27 728	34 253

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
MEN											
1948	49 996	4 078	2 128	1 951	45 918	5 527	10 767	9 798	8 290	6 441	5 093
1949	50 321	3 946	2 062	1 884	46 378	5 405	10 871	9 926	8 379	6 568	5 226
1950	50 725	3 962	2 043	1 920	46 763	5 270	10 963	10 034	8 472	6 664	5 357
1951	49 727	3 725	2 039	1 687	46 001	4 451	10 709	10 049	8 551	6 737	5 503
1952	49 700	3 767	2 121	1 647	45 932	3 788	10 855	10 164	8 655	6 798	5 670
1953	50 750	3 823	2 122	1 701	46 927	3 482	11 020	10 632	8 878	6 798	6 119
1954	51 395	3 953	2 174	1 780	47 441	3 509	11 067	10 718	9 018	6 885	6 241
1955	52 109	4 022	2 225	1 798	48 086	3 708	11 068	10 804	9 164	6 960	6 380
1956	52 723	4 020	2 238	1 783	48 704	3 970	10 983	10 889	9 322	7 032	6 505
1957	53 315	4 083	2 284	1 800	49 231	4 166	10 889	10 965	9 499	7 109	6 602
1958	54 033	4 293	2 435	1 858	49 740	4 339	10 787	11 076	9 675	7 179	6 683
1959	54 793	4 652	2 681	1 971	50 140	4 488	10 625	11 149	9 832	7 259	6 785
1960	55 662	4 963	2 805	2 159	50 698	4 679	10 514	11 230	10 000	7 373	6 901
1961	56 286	5 112	2 742	2 371	51 173	4 844	10 440	11 286	10 112	7 483	7 006
1962	56 831	5 150	2 764	2 386	51 681	4 925	10 207	11 389	10 162	7 610	7 386
1963	57 921	5 496	3 162	2 334	52 425	5 240	10 165	11 476	10 274	7 740	7 526
1964	58 847	5 866	3 503	2 364	52 981	5 520	10 144	11 466	10 402	7 873	7 574
1965	59 782	6 318	3 488	2 831	53 463	5 701	10 182	11 427	10 512	7 990	7 649
1966	60 262	6 658	3 478	3 180	53 603	5 663	10 224	11 294	10 598	8 099	7 723
1967	60 905	6 537	3 528	3 010	54 367	5 977	10 495	11 161	10 705	8 218	7 809
1968	61 847	6 683	3 634	3 049	55 165	6 127	10 944	11 040	10 819	8 336	7 897
1969	62 898	6 928	3 741	3 187	55 969	6 379	11 309	10 890	10 935	8 464	7 990
1970	64 304	7 145	3 848	3 299	57 157	6 861	11 750	10 810	11 052	8 590	8 093
1971	65 942	7 430	3 954	3 477	58 511	7 511	12 227	10 721	11 129	8 711	8 208
1972	67 835	7 705	4 081	3 624	60 130	8 061	12 911	10 762	11 167	8 895	8 330
1973	69 292	7 855	4 152	3 703	61 436	8 429	13 641	10 746	11 202	8 990	8 426
1974	70 808	8 012	4 231	3 781	62 796	8 600	14 262	10 834	11 315	9 140	8 641
1975	72 291	8 134	4 252	3 882	64 158	8 950	14 899	10 874	11 298	9 286	8 852
1976	73 759	8 244	4 266	3 978	65 515	9 237	15 528	11 010	11 243	9 444	9 053
1977	75 193	8 288	4 290	4 000	66 904	9 477	16 108	11 260	11 144	9 616	9 297
1978	76 576	8 309	4 295	4 014	68 268	9 693	16 598	11 665	11 045	9 758	9 509
1979	78 020	8 310	4 251	4 060	69 709	9 873	17 193	12 046	10 944	9 907	9 746
1980	79 398	8 260	4 195	4 064	71 138	10 023	17 833	12 400	10 861	10 042	9 979
1981	80 511	8 092	4 087	4 005	72 419	10 116	18 427	12 758	10 797	10 151	10 170
1982	81 523	7 879	3 911	3 968	73 644	10 136	18 787	13 410	10 726	10 215	10 371
1983	82 531	7 659	3 750	3 908	74 872	10 140	19 143	14 067	10 689	10 261	10 573
1984	83 605	7 386	3 655	3 731	76 219	10 108	19 596	14 719	10 724	10 285	10 788
1985	84 469	7 275	3 689	3 586	77 195	9 746	19 864	15 265	10 844	10 392	11 084
1986	85 798	7 275	3 768	3 507	78 523	9 498	20 498	15 858	10 986	10 336	11 347
1987	86 899	7 335	3 824	3 510	79 565	9 195	20 781	16 475	11 215	10 267	11 632
1988	87 857	7 304	3 715	3 588	80 553	8 931	20 937	17 008	11 625	10 193	11 859
1989	88 762	7 143	3 524	3 619	81 619	8 743	21 080	17 590	11 981	10 092	12 134
1990	90 377	7 347	3 534	3 813	83 030	9 320	21 117	18 529	12 238	9 778	12 049
1991	91 278	7 134	3 548	3 586	84 144	9 367	20 977	19 213	12 554	9 780	12 254
1992	92 270	7 023	3 542	3 481	85 247	9 326	20 792	19 585	13 271	9 776	12 496
1993	93 332	7 076	3 595	3 481	86 256	9 216	20 569	20 037	13 944	9 773	12 717
1994	94 355	7 203	3 718	3 486	87 151	9 074	20 361	20 443	14 545	9 810	12 918
1995	95 178	7 367	3 794	3 573	87 811	8 835	20 079	20 800	15 111	9 856	13 130
1996	96 206	7 600	3 955	3 645	88 606	8 611	19 775	21 222	15 674	9 997	13 327
1997	97 715	7 836	4 053	3 783	89 879	8 706	19 478	21 669	16 276	10 282	13 469
1998	98 758	7 968	4 059	3 909	90 790	8 804	19 094	21 857	16 773	10 649	13 613
1999	99 722	8 167	4 143	4 024	91 555	8 899	18 565	21 969	17 335	11 008	13 779
2000	101 964	8 089	4 096	3 993	93 875	9 101	19 106	21 683	18 365	11 583	14 037
2001	103 282	8 101	4 102	3 999	95 181	9 368	19 056	21 643	18 987	11 972	14 155
2002	104 585	8 146	4 140	4 006	96 439	9 627	19 037	21 523	19 379	12 641	14 233
2003	106 435	8 163	4 365	3 797	98 272	9 878	19 347	21 463	19 784	13 305	14 496

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WOMEN											
1948	53 071	4 371	2 137	2 234	48 700	6 003	11 843	10 299	8 481	6 444	5 627
1949	53 670	4 269	2 077	2 195	49 400	5 907	11 951	10 475	8 623	6 633	5 809
1950	54 270	4 181	2 033	2 148	50 088	5 810	12 050	10 647	8 768	6 805	6 006
1951	54 895	4 140	2 057	2 084	50 754	5 716	12 134	10 814	8 913	6 955	6 221
1952	55 529	4 155	2 113	2 042	51 373	5 601	12 189	10 973	9 061	7 091	6 456
1953	56 305	4 191	2 119	2 072	52 114	5 478	12 246	11 290	9 113	7 032	6 956
1954	56 925	4 271	2 162	2 109	52 654	5 376	12 237	11 417	9 287	7 200	7 134
1955	57 574	4 342	2 215	2 127	53 232	5 328	12 181	11 544	9 479	7 349	7 348
1956	58 228	4 414	2 244	2 170	53 814	5 301	12 089	11 678	9 690	7 484	7 570
1957	58 951	4 529	2 303	2 226	54 421	5 320	11 960	11 821	9 925	7 618	7 774
1958	59 690	4 693	2 437	2 256	54 997	5 394	11 776	11 949	10 157	7 744	7 974
1959	60 534	4 966	2 656	2 311	55 570	5 487	11 576	12 058	10 371	7 875	8 200
1960	61 582	5 224	2 768	2 456	56 358	5 594	11 484	12 207	10 601	8 036	8 435
1961	62 484	5 401	2 720	2 681	57 082	5 739	11 389	12 299	10 781	8 192	8 679
1962	63 321	5 502	2 739	2 764	57 819	5 927	11 296	12 408	10 754	8 264	9 168
1963	64 494	5 874	3 139	2 736	58 620	6 224	11 235	12 472	10 870	8 398	9 419
1964	65 637	6 245	3 471	2 775	59 391	6 497	11 223	12 474	11 050	8 569	9 576
1965	66 731	6 612	3 448	3 164	60 119	6 741	11 235	12 405	11 216	8 737	9 783
1966	67 795	6 934	3 436	3 499	60 860	6 975	11 319	12 285	11 379	8 908	9 992
1967	68 968	6 943	3 475	3 470	62 026	7 445	11 562	12 152	11 551	9 092	10 220
1968	70 179	7 015	3 566	3 450	63 164	7 764	11 968	11 996	11 715	9 278	10 441
1969	71 436	7 167	3 681	3 486	64 269	8 109	12 336	11 819	11 871	9 466	10 667
1970	72 782	7 373	3 796	3 578	65 408	8 462	12 684	11 679	12 008	9 659	10 914
1971	74 274	7 591	3 895	3 697	66 682	8 834	13 110	11 553	12 115	9 870	11 198
1972	76 290	7 805	3 994	3 811	68 484	9 082	13 829	11 597	12 171	10 113	11 693
1973	77 804	7 985	4 076	3 909	69 819	9 263	14 531	11 541	12 229	10 290	11 963
1974	79 312	8 168	4 142	4 028	71 144	9 393	15 177	11 627	12 263	10 377	12 304
1975	80 860	8 285	4 168	4 117	72 576	9 645	15 811	11 652	12 237	10 558	12 673
1976	82 390	8 370	4 176	4 194	74 020	9 872	16 425	11 786	12 166	10 742	13 030
1977	83 840	8 400	4 193	4 206	75 441	10 103	17 008	12 036	12 053	10 940	13 300
1978	85 334	8 386	4 189	4 197	76 948	10 315	17 493	12 435	11 932	11 118	13 658
1979	86 843	8 347	4 139	4 208	78 496	10 480	18 070	12 815	11 808	11 303	14 021
1980	88 348	8 283	4 083	4 200	80 065	10 612	18 725	13 177	11 701	11 478	14 372
1981	89 618	8 121	3 981	4 140	81 497	10 705	19 350	13 533	11 625	11 605	14 680
1982	90 748	7 884	3 804	4 081	82 864	10 709	19 705	14 201	11 538	11 694	15 017
1983	91 684	7 616	3 635	3 981	84 069	10 660	20 004	14 865	11 478	11 742	15 319
1984	92 778	7 349	3 542	3 807	85 429	10 580	20 403	15 532	11 501	11 768	15 645
1985	93 736	7 231	3 543	3 688	86 506	10 351	20 805	16 114	11 574	11 748	15 913
1986	94 789	7 221	3 618	3 603	87 567	10 072	21 233	16 692	11 746	11 675	16 150
1987	95 853	7 271	3 677	3 594	88 583	9 776	21 516	17 279	11 968	11 567	16 476
1988	96 756	7 224	3 569	3 655	89 532	9 503	21 674	17 776	12 378	11 448	16 753
1989	97 630	7 080	3 361	3 719	90 550	9 282	21 765	18 387	12 763	11 314	17 039
1990	98 787	7 173	3 359	3 813	91 614	9 582	21 859	19 190	12 843	10 941	17 198
1991	99 646	6 939	3 353	3 586	92 708	9 597	21 711	19 903	13 155	10 895	17 446
1992	100 535	6 818	3 366	3 452	93 718	9 520	21 486	20 267	13 935	10 828	17 682
1993	101 506	6 859	3 415	3 444	94 647	9 426	21 202	20 696	14 605	10 801	17 917
1994	102 460	6 993	3 528	3 465	95 467	9 279	20 945	21 091	15 233	10 825	18 094
1995	103 406	7 144	3 613	3 531	96 262	9 029	20 719	21 454	15 862	10 879	18 318
1996	104 385	7 335	3 723	3 612	97 050	8 798	20 477	21 865	16 493	10 993	18 424
1997	105 418	7 528	3 808	3 721	97 889	8 736	20 081	22 214	17 115	11 224	18 520
1998	106 462	7 676	3 835	3 840	98 786	8 790	19 683	22 442	17 600	11 646	18 625
1999	108 031	7 873	3 917	3 955	100 158	9 069	19 411	22 666	18 251	12 056	18 705
2000	110 613	7 823	3 882	3 941	102 790	9 211	19 597	22 628	19 276	12 647	19 430
2001	111 811	7 828	3 917	3 910	103 983	9 509	19 449	22 552	19 917	13 039	19 517
2002	112 985	7 848	3 959	3 889	105 136	9 721	19 435	22 371	20 332	13 703	19 575
2003	114 733	7 934	4 195	3 738	106 800	9 924	19 674	22 283	20 738	14 423	19 758

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over							
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	
WHITE¹												
1954	97 705	7 180	3 786	3 394	90 524	7 794	20 818	19 915	16 569	12 993	12 438	
1955	98 880	7 292	3 874	3 419	91 586	7 912	20 742	20 110	16 869	13 169	12 785	
1956	99 976	7 346	3 908	3 438	92 629	8 106	20 564	20 314	17 198	13 341	13 105	
1957	101 119	7 505	4 007	3 498	93 612	8 293	20 342	20 514	17 562	13 518	13 383	
1958	102 392	7 843	4 271	3 573	94 547	8 498	20 063	20 734	17 924	13 681	13 645	
1959	103 803	8 430	4 707	3 725	95 370	8 697	19 715	20 893	18 257	13 858	13 951	
1960	105 282	8 924	4 909	4 016	96 355	8 927	19 470	21 049	18 578	14 070	14 260	
1961	106 604	9 211	4 785	4 427	97 390	9 203	19 289	21 169	18 845	14 304	14 581	
1962	107 715	9 343	4 818	4 526	98 371	9 484	18 974	21 293	18 872	14 450	15 297	
1963	109 705	9 978	5 549	4 430	99 725	10 069	18 867	21 398	19 082	14 681	15 629	
1964	111 534	10 616	6 137	4 481	100 916	10 568	18 838	21 375	19 360	14 957	15 816	
1965	113 284	11 319	6 049	5 271	101 963	10 935	18 882	21 258	19 604	15 215	16 070	
1966	114 566	11 862	5 993	5 870	102 702	11 094	18 989	21 005	19 822	15 469	16 322	
1967	116 100	11 682	6 051	5 632	104 417	11 797	19 464	20 745	20 067	15 745	16 602	
1968	117 948	11 840	6 225	5 616	106 107	12 184	20 245	20 474	20 310	16 018	16 875	
1969	119 913	12 179	6 418	5 761	107 733	12 677	20 892	20 156	20 546	16 305	17 156	
1970	122 174	12 521	6 591	5 931	109 652	13 359	21 546	19 929	20 760	16 591	17 469	
1971	124 758	12 937	6 750	6 189	111 821	14 208	22 295	19 694	20 907	16 884	17 833	
1972	127 906	13 301	6 910	6 392	114 603	14 897	23 555	19 673	20 950	17 250	18 278	
1973	130 097	13 533	7 021	6 512	116 563	15 264	24 685	19 532	20 991	17 484	18 607	
1974	132 417	13 784	7 114	6 671	118 632	15 502	25 711	19 628	21 061	17 645	19 085	
1975	134 790	13 941	7 132	6 808	120 849	15 980	26 746	19 641	20 981	17 918	19 587	
1976	137 106	14 055	7 125	6 930	123 050	16 368	27 757	19 827	20 816	18 220	20 064	
1977	139 380	14 095	7 150	6 944	125 285	16 728	28 703	20 231	20 575	18 540	20 508	
1978	141 612	14 060	7 132	6 928	127 552	17 038	29 453	20 932	20 322	18 799	21 007	
1979	143 894	13 994	7 029	6 964	129 900	17 284	30 371	21 579	20 058	19 071	21 538	
1980	146 122	13 854	6 912	6 943	132 268	17 484	31 407	22 174	19 837	19 316	22 050	
1981	147 908	13 516	6 704	6 813	134 392	17 609	32 367	22 778	19 666	19 485	22 487	
1982	149 441	13 076	6 383	6 693	136 366	17 579	32 863	23 910	19 478	19 591	22 945	
1983	150 805	12 623	6 089	6 534	138 183	17 492	33 286	25 027	19 349	19 625	23 403	
1984	152 347	12 147	5 918	6 228	140 200	17 304	33 889	26 124	19 348	19 629	23 906	
1985	153 679	11 900	5 922	5 978	141 780	16 853	34 450	27 100	19 405	19 620	24 352	
1986	155 432	11 879	6 036	5 843	143 553	16 353	35 293	28 062	19 587	19 477	24 780	
1987	156 958	11 939	6 110	5 829	145 020	15 808	35 667	29 036	19 965	19 242	25 301	
1988	158 194	11 838	5 893	5 945	146 357	15 276	35 876	29 818	20 652	18 996	25 739	
1989	159 338	11 530	5 506	6 023	147 809	14 879	35 951	30 774	21 287	18 743	26 175	
1990	160 625	11 630	5 464	6 166	148 996	15 538	35 661	31 739	21 535	18 204	26 319	
1991	161 759	11 200	5 451	5 749	150 558	15 516	35 342	32 854	22 052	18 074	26 721	
1992	162 972	11 004	5 478	5 526	151 968	15 354	34 885	33 305	23 364	17 951	27 108	
1993	164 289	11 078	5 562	5 516	153 210	15 087	34 365	33 919	24 456	17 892	27 493	
1994	165 555	11 264	5 710	5 554	154 291	14 708	33 865	34 582	25 435	17 924	27 776	
1995	166 914	11 468	5 822	5 646	155 446	14 313	33 355	35 222	26 418	17 986	28 153	
1996	168 317	11 822	6 026	5 796	156 495	13 907	32 852	35 810	27 403	18 136	28 387	
1997	169 993	12 181	6 213	5 968	157 812	13 983	32 091	36 325	28 388	18 511	28 514	
1998	171 478	12 439	6 264	6 176	159 039	14 138	31 286	36 610	29 132	19 231	28 642	
1999	173 085	12 700	6 342	6 358	160 385	14 394	30 516	36 755	30 048	19 855	28 818	
2000	176 220	12 535	6 264	6 271	163 685	14 552	30 948	36 261	31 550	20 757	29 617	
2001	178 111	12 556	6 291	6 265	165 556	15 001	30 770	36 113	32 475	21 434	29 762	
2002	179 783	12 596	6 346	6 250	167 187	15 360	30 676	35 750	33 012	22 540	29 849	
2003	181 292	12 527	6 629	5 898	168 765	15 536	30 789	35 352	33 466	23 589	30 033	

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK¹											
1972	14 526	2 018	1 061	956	12 508	2 027	2 809	2 329	2 139	1 601	1 605
1973	14 917	2 095	1 095	1 000	12 823	2 132	2 957	2 333	2 156	1 616	1 628
1974	15 329	2 137	1 122	1 014	13 192	2 137	3 103	2 382	2 202	1 679	1 689
1975	15 751	2 191	1 146	1 046	13 560	2 228	3 258	2 395	2 211	1 717	1 755
1976	16 196	2 264	1 165	1 098	13 932	2 303	3 412	2 435	2 220	1 736	1 826
1977	16 605	2 273	1 175	1 097	14 332	2 400	3 566	2 493	2 225	1 765	1 883
1978	16 970	2 270	1 169	1 101	14 701	2 483	3 717	2 547	2 226	1 794	1 932
1979	17 397	2 276	1 167	1 109	15 121	2 556	3 899	2 615	2 240	1 831	1 980
1980	17 824	2 289	1 171	1 119	15 535	2 606	4 095	2 687	2 249	1 870	2 030
1981	18 219	2 288	1 161	1 127	15 931	2 642	4 290	2 758	2 260	1 913	2 069
1982	18 584	2 252	1 119	1 134	16 332	2 697	4 438	2 887	2 263	1 935	2 113
1983	18 925	2 225	1 092	1 133	16 700	2 734	4 607	2 999	2 260	1 964	2 135
1984	19 348	2 161	1 056	1 105	17 187	2 783	4 789	3 167	2 288	1 977	2 183
1985	19 664	2 160	1 083	1 077	17 504	2 649	4 873	3 290	2 372	2 060	2 259
1986	19 989	2 137	1 090	1 048	17 852	2 625	5 026	3 410	2 220	2 079	2 298
1987	20 352	2 163	1 123	1 040	18 189	2 578	5 139	3 563	2 460	2 097	2 352
1988	20 692	2 179	1 130	1 049	18 513	2 527	5 234	3 716	2 524	2 110	2 402
1989	21 021	2 176	1 116	1 060	18 846	2 479	5 308	3 900	2 587	2 118	2 454
1990	21 477	2 238	1 101	1 138	19 239	2 554	5 407	4 328	2 618	1 970	2 362
1991	21 799	2 187	1 085	1 102	19 612	2 585	5 419	4 538	2 682	1 985	2 403
1992	22 147	2 155	1 086	1 069	19 992	2 615	5 404	4 722	2 809	1 996	2 446
1993	22 521	2 181	1 113	1 069	20 339	2 600	5 409	4 886	2 941	2 016	2 487
1994	22 879	2 211	1 168	1 044	20 668	2 616	5 362	5 038	3 084	2 045	2 524
1995	23 246	2 284	1 198	1 086	20 962	2 554	5 337	5 178	3 244	2 079	2 571
1996	23 604	2 356	1 238	1 118	21 248	2 519	5 311	5 290	3 408	2 110	2 609
1997	24 003	2 412	1 255	1 158	21 591	2 515	5 279	5 410	3 571	2 164	2 653
1998	24 373	2 443	1 241	1 202	21 930	2 546	5 221	5 510	3 735	2 224	2 695
1999	24 855	2 479	1 250	1 229	22 376	2 615	5 197	5 609	3 919	2 295	2 741
2000	24 902	2 389	1 205	1 183	22 513	2 611	5 089	5 488	4 168	2 407	2 750
2001	25 138	2 388	1 212	1 176	22 750	2 686	5 003	5 467	4 343	2 478	2 775
2002	25 578	2 416	1 235	1 181	23 162	2 779	5 015	5 460	4 513	2 571	2 823
2003	25 686	2 382	1 309	1 074	23 304	2 773	4 978	5 387	4 628	2 692	2 846
HISPANIC											
1973	6 104	867	...	...	5 238	...	...	...	...	...	...
1974	6 564	926	...	...	5 645	...	...	...	...	...	...
1975	6 862	962	...	...	5 900	...	...	...	...	...	...
1976	6 910	953	494	480	6 075	1 053	1 775	1 261	936	570	479
1977	7 362	1 024	513	508	6 376	1 163	1 869	1 283	989	587	485
1978	7 912	1 076	561	515	6 836	1 265	2 004	1 378	1 033	627	529
1979	8 207	1 095	544	551	7 113	1 296	2 117	1 458	1 015	659	566
1980	9 598	1 281	638	643	8 317	1 564	2 508	1 575	1 190	782	698
1981	10 120	1 301	641	660	8 819	1 650	2 698	1 680	1 231	832	728
1982	10 580	1 307	639	668	9 273	1 724	2 871	1 779	1 264	880	755
1983	11 029	1 304	635	670	9 725	1 790	3 045	1 883	1 298	928	781
1984	11 478	1 300	633	667	10 178	1 839	3 224	1 996	1 336	973	810
1985	11 915	1 298	638	661	10 617	1 864	3 401	2 117	1 377	1 015	843
1986	12 344	1 302	658	644	11 042	1 899	3 510	2 239	1 496	1 023	875
1987	12 867	1 332	651	681	11 536	1 910	3 714	2 464	1 492	1 061	895
1988	13 325	1 354	662	692	11 970	1 948	3 807	2 565	1 571	1 159	920
1989	13 791	1 399	672	727	12 392	1 950	3 953	2 658	1 649	1 182	1 001
1990	15 904	1 737	821	915	14 167	2 428	4 589	3 001	1 817	1 247	1 084
1991	16 425	1 732	819	913	14 693	2 481	4 674	3 243	1 879	1 283	1 134
1992	16 961	1 737	836	901	15 224	2 444	4 806	3 458	1 980	1 321	1 216
1993	17 532	1 756	855	901	15 776	2 487	4 887	3 632	2 094	1 324	1 353
1994	18 117	1 818	902	916	16 300	2 518	5 000	3 756	2 223	1 401	1 401
1995	18 629	1 872	903	969	16 757	2 528	5 050	3 965	2 294	1 483	1 437
1996	19 213	1 948	962	986	17 265	2 524	5 181	4 227	2 275	1 546	1 512
1997	20 321	2 121	1 088	1 033	18 200	2 623	5 405	4 453	2 581	1 580	1 558
1998	21 070	2 204	1 070	1 135	18 865	2 731	5 447	4 636	2 775	1 615	1 662
1999	21 650	2 307	1 113	1 194	19 344	2 700	5 512	4 833	2 868	1 713	1 718
2000	23 938	2 523	1 214	1 309	21 415	3 255	6 466	5 189	3 061	1 736	1 708
2001	24 842	2 508	1 173	1 334	22 435	3 417	6 726	5 346	3 339	1 816	1 792
2002	25 963	2 507	1 216	1 291	23 456	3 508	7 010	5 606	3 494	1 953	1 885
2003	27 551	2 543	1 346	1 197	25 008	3 533	7 506	6 003	3 845	2 093	2 027

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE MEN¹											
1954	46 462	3 455	1 902	1 553	43 007	3 074	9 948	9 688	8 172	6 341	5 787
1955	47 076	3 507	1 945	1 563	43 569	3 241	9 936	9 768	8 303	6 398	5 923
1956	47 602	3 500	1 955	1 546	44 102	3 464	9 851	9 848	8 446	6 455	6 038
1957	48 119	3 556	2 000	1 557	44 563	3 638	9 758	9 917	8 605	6 518	6 127
1958	48 745	3 747	2 140	1 607	44 998	3 783	9 656	10 018	8 765	6 574	6 203
1959	49 408	4 079	2 370	1 710	45 329	3 903	9 499	10 081	8 909	6 639	6 298
1960	50 065	4 349	2 476	1 874	45 716	4 054	9 373	10 131	9 042	6 721	6 395
1961	50 608	4 479	2 407	2 073	46 129	4 204	9 290	10 178	9 148	6 819	6 490
1962	51 054	4 520	2 426	2 094	46 534	4 306	9 080	10 239	9 191	6 917	6 801
1963	52 031	4 827	2 792	2 036	47 204	4 610	9 039	10 309	9 297	7 031	6 919
1964	52 869	5 148	3 090	2 059	47 721	4 862	9 024	10 301	9 417	7 153	6 963
1965	53 681	5 541	3 050	2 492	48 140	5 017	9 056	10 262	9 516	7 261	7 028
1966	54 061	5 820	3 023	2 798	48 241	4 974	9 085	10 136	9 592	7 362	7 092
1967	54 608	5 671	3 058	2 613	48 937	5 257	9 339	10 013	9 688	7 474	7 167
1968	55 434	5 787	3 153	2 635	49 647	5 376	9 752	9 902	9 790	7 585	7 242
1969	56 348	6 005	3 246	2 759	50 343	5 589	10 074	9 760	9 895	7 705	7 320
1970	57 516	6 179	3 329	2 851	51 336	5 988	10 441	9 678	9 999	7 822	7 409
1971	58 900	6 420	3 412	3 008	52 481	6 546	10 841	9 578	10 066	7 933	7 517
1972	60 473	6 627	3 503	3 125	53 845	7 042	11 495	9 568	10 078	8 089	7 573
1973	61 577	6 737	3 555	3 182	54 842	7 312	12 075	9 514	10 099	8 178	7 664
1974	62 791	6 851	3 604	3 247	55 942	7 476	12 599	9 564	10 165	8 288	7 849
1975	63 981	6 929	3 609	3 320	57 052	7 766	13 131	9 578	10 134	8 413	8 031
1976	65 132	6 993	3 609	3 384	58 138	7 987	13 655	9 674	10 063	8 556	8 203
1977	66 301	7 024	3 625	3 399	59 278	8 175	14 139	9 880	9 957	8 708	8 420
1978	67 401	7 022	3 619	3 404	60 378	8 335	14 528	10 236	9 845	8 826	8 608
1979	68 547	7 007	3 568	3 439	61 540	8 470	15 008	10 563	9 730	8 949	8 820
1980	69 634	6 941	3 508	3 433	62 694	8 581	15 529	10 863	9 636	9 059	9 027
1981	70 480	6 764	3 401	3 363	63 715	8 644	16 005	11 171	9 560	9 139	9 195
1982	71 211	6 556	3 249	3 307	64 655	8 621	16 260	11 756	9 463	9 188	9 367
1983	71 922	6 340	3 098	3 242	65 581	8 597	16 499	12 314	9 408	9 208	9 556
1984	72 723	6 113	3 019	3 094	66 610	8 522	16 816	12 853	9 434	9 217	9 768
1985	73 373	5 987	3 026	2 961	67 386	8 246	17 042	13 337	9 488	9 262	10 010
1986	74 390	5 977	3 084	2 894	68 413	8 002	17 564	13 840	9 578	9 201	10 229
1987	75 189	6 015	3 125	2 890	69 175	7 729	17 754	14 338	9 771	9 101	10 481
1988	75 855	5 968	3 015	2 953	69 887	7 473	17 867	14 743	10 114	9 001	10 688
1989	76 468	5 813	2 817	2 996	70 654	7 279	17 908	15 237	10 434	8 900	10 897
1990	77 369	5 913	2 809	3 103	71 457	7 764	17 766	15 770	10 598	8 680	10 879
1991	77 977	5 704	2 805	2 899	72 274	7 748	17 615	16 340	10 856	8 640	11 074
1992	78 651	5 611	2 819	2 792	73 040	7 676	17 403	16 579	11 513	8 602	11 268
1993	79 371	5 650	2 862	2 788	73 721	7 545	17 158	16 900	12 058	8 590	11 470
1994	80 059	5 748	2 938	2 810	74 311	7 357	16 915	17 247	12 545	8 618	11 629
1995	80 733	5 854	2 995	2 859	74 879	7 163	16 653	17 567	13 028	8 653	11 815
1996	81 489	6 035	3 099	2 936	75 454	6 971	16 395	17 868	13 518	8 734	11 968
1997	82 577	6 257	3 209	3 048	76 320	7 087	16 043	18 163	14 030	8 929	12 067
1998	83 352	6 386	3 233	3 153	76 966	7 170	15 644	18 310	14 400	9 286	12 155
1999	83 930	6 498	3 266	3 232	77 432	7 244	15 150	18 340	14 834	9 581	12 283
2000	85 370	6 404	3 224	3 181	78 966	7 329	15 528	18 003	15 578	10 028	12 501
2001	86 452	6 422	3 229	3 194	80 029	7 564	15 486	17 960	16 047	10 369	12 604
2002	87 361	6 439	3 251	3 189	80 922	7 750	15 470	17 792	16 317	10 918	12 676
2003	88 249	6 390	3 378	3 012	81 860	7 856	15 569	17 620	16 555	11 442	12 818

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE WOMEN¹											
1954	51 242	3 725	1 884	1 841	47 517	4 720	10 870	10 227	8 397	6 652	6 651
1955	51 802	3 785	1 929	1 856	48 017	4 671	10 806	10 342	8 566	6 771	6 862
1956	52 373	3 846	1 953	1 892	48 527	4 642	10 713	10 466	8 752	6 886	7 067
1957	52 998	3 949	2 007	1 941	49 049	4 655	10 584	10 597	8 957	7 000	7 256
1958	53 645	4 096	2 131	1 966	49 549	4 715	10 407	10 716	9 159	7 107	7 442
1959	54 392	4 351	2 337	2 015	50 041	4 794	10 216	10 812	9 348	7 219	7 653
1960	55 214	4 575	2 433	2 142	50 639	4 873	10 097	10 918	9 536	7 349	7 865
1961	55 993	4 732	2 378	2 354	51 261	4 999	9 999	10 991	9 697	7 485	8 091
1962	56 660	4 823	2 392	2 432	51 837	5 178	9 894	11 054	9 681	7 533	8 496
1963	57 672	5 151	2 757	2 394	52 521	5 459	9 828	11 089	9 785	7 650	8 710
1964	58 663	5 468	3 047	2 422	53 195	5 706	9 814	11 074	9 943	7 804	8 853
1965	59 601	5 778	2 999	2 779	53 823	5 918	9 826	10 996	10 088	7 954	9 042
1966	60 503	6 042	2 970	3 072	54 461	6 120	9 904	10 869	10 230	8 107	9 230
1967	61 491	6 011	2 993	3 019	55 480	6 540	10 125	10 732	10 379	8 271	9 435
1968	62 512	6 053	3 072	2 981	56 460	6 809	10 493	10 572	10 520	8 433	9 633
1969	63 563	6 174	3 172	3 002	57 390	7 089	10 818	10 396	10 651	8 600	9 836
1970	64 656	6 342	3 262	3 080	58 315	7 370	11 105	10 251	10 761	8 769	10 060
1971	65 857	6 518	3 338	3 180	59 340	7 662	11 454	10 117	10 841	8 951	10 315
1972	67 431	6 673	3 407	3 267	60 758	7 855	12 060	10 105	10 872	9 161	10 705
1973	68 517	6 796	3 466	3 331	61 721	7 951	12 610	10 018	10 891	9 306	10 943
1974	69 623	6 933	3 510	3 424	62 690	8 026	13 112	10 064	10 896	9 356	11 236
1975	70 810	7 011	3 523	3 488	63 798	8 214	13 615	10 063	10 847	9 505	11 556
1976	71 974	7 062	3 516	3 546	64 912	8 381	14 102	10 153	10 752	9 664	11 860
1977	73 077	7 071	3 525	3 545	66 007	8 553	14 564	10 351	10 618	9 832	12 088
1978	74 213	7 038	3 513	3 524	67 174	8 704	14 926	10 696	10 476	9 974	12 399
1979	75 347	6 987	3 460	3 527	68 360	8 815	15 363	11 017	10 327	10 122	12 717
1980	76 489	6 914	3 403	3 511	69 575	8 904	15 878	11 313	10 201	10 256	13 022
1981	77 428	6 752	3 303	3 449	70 677	8 965	16 362	11 606	10 106	10 346	13 292
1982	78 230	6 519	3 134	3 385	71 711	8 959	16 603	12 154	10 015	10 402	13 579
1983	78 884	6 282	2 991	3 292	72 601	8 895	16 788	12 714	9 941	10 418	13 847
1984	79 624	6 034	2 899	3 135	73 590	8 782	17 073	13 271	9 914	10 412	14 138
1985	80 306	5 912	2 895	3 017	74 394	8 607	17 409	13 762	9 917	10 358	14 342
1986	81 042	5 902	2 953	2 949	75 140	8 351	17 728	14 223	10 009	10 277	14 551
1987	81 769	5 924	2 985	2 939	75 845	8 079	17 913	14 698	10 194	10 141	14 820
1988	82 340	5 869	2 878	2 991	76 470	7 804	18 009	15 074	10 537	9 994	15 052
1989	82 871	5 716	2 690	3 027	77 154	7 600	18 043	15 537	10 853	9 843	15 278
1990	83 256	5 717	2 654	3 063	77 539	7 774	17 895	15 969	10 937	9 524	15 440
1991	83 781	5 497	2 646	2 850	78 285	7 768	17 726	16 514	11 196	9 435	15 647
1992	84 321	5 393	2 659	2 734	78 928	7 678	17 482	16 727	11 851	9 350	15 841
1993	84 918	5 428	2 700	2 728	79 490	7 542	17 206	17 019	12 398	9 302	16 023
1994	85 496	5 516	2 772	2 744	79 980	7 351	16 950	17 335	12 890	9 306	16 148
1995	86 181	5 614	2 827	2 787	80 567	7 150	16 702	17 654	13 390	9 333	16 337
1996	86 828	5 787	2 927	2 860	81 041	6 936	16 457	17 943	13 884	9 402	16 419
1997	87 417	5 924	3 004	2 920	81 492	6 896	16 047	18 162	14 357	9 582	16 447
1998	88 126	6 053	3 031	3 023	82 073	6 969	15 642	18 300	14 732	9 944	16 486
1999	89 156	6 202	3 076	3 127	82 953	7 150	15 366	18 415	15 214	10 274	16 536
2000	90 850	6 131	3 041	3 090	84 718	7 223	15 420	18 258	15 972	10 729	17 116
2001	91 660	6 134	3 062	3 071	85 526	7 438	15 284	18 153	16 428	11 065	17 158
2002	92 422	6 157	3 096	3 061	86 266	7 611	15 207	17 958	16 695	11 622	17 173
2003	93 043	6 137	3 251	2 886	86 905	7 680	15 220	17 731	16 911	12 147	17 216

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK MEN¹											
1972	6 538	978	525	453	5 559	921	1 251	1 026	963	720	679
1973	6 704	1 007	539	468	5 697	979	1 327	1 027	962	718	684
1974	6 875	1 027	554	471	5 848	956	1 381	1 055	997	753	707
1975	7 060	1 051	565	486	6 009	1 002	1 452	1 060	997	769	730
1976	7 265	1 099	579	518	6 167	1 036	1 521	1 077	999	774	756
1977	7 431	1 102	586	516	6 329	1 080	1 589	1 102	998	786	774
1978	7 577	1 093	579	514	6 484	1 120	1 657	1 128	995	794	789
1979	7 761	1 100	581	519	6 661	1 151	1 738	1 159	998	809	804
1980	7 944	1 110	583	526	6 834	1 171	1 828	1 191	999	825	822
1981	8 117	1 110	577	534	7 007	1 189	1 914	1 224	1 003	844	835
1982	8 283	1 097	556	542	7 186	1 225	1 983	1 282	1 003	848	846
1983	8 447	1 087	542	545	7 360	1 254	2 068	1 333	1 000	857	847
1984	8 654	1 055	524	531	7 599	1 292	2 164	1 411	1 012	858	861
1985	8 790	1 059	543	517	7 731	1 202	2 180	1 462	1 060	924	902
1986	8 956	1 049	548	503	7 907	1 195	2 264	1 517	1 072	934	924
1987	9 128	1 065	566	499	8 063	1 173	2 320	1 587	1 092	944	947
1988	9 289	1 074	569	505	8 215	1 151	2 367	1 656	1 121	951	970
1989	9 439	1 075	575	501	8 364	1 128	2 403	1 741	1 145	956	989
1990	9 573	1 094	555	540	8 479	1 144	2 412	1 968	1 183	855	917
1991	9 725	1 072	546	526	8 652	1 168	2 417	2 060	1 211	864	933
1992	9 896	1 056	544	512	8 840	1 194	2 409	2 150	1 268	868	951
1993	10 083	1 075	559	516	9 008	1 181	2 425	2 228	1 330	874	969
1994	10 258	1 087	586	501	9 171	1 207	2 399	2 300	1 392	889	985
1995	10 411	1 131	601	530	9 280	1 161	2 388	2 362	1 462	901	1 006
1996	10 575	1 161	623	538	9 414	1 154	2 373	2 413	1 534	914	1 025
1997	10 763	1 188	634	553	9 575	1 153	2 363	2 471	1 607	936	1 045
1998	10 927	1 201	623	578	9 727	1 166	2 335	2 520	1 682	956	1 068
1999	11 143	1 218	628	589	9 926	1 197	2 321	2 566	1 765	986	1 091
2000	11 129	1 178	605	572	9 952	1 195	2 277	2 471	1 889	1 067	1 053
2001	11 172	1 179	606	573	9 993	1 224	2 212	2 440	1 960	1 096	1 060
2002	11 391	1 195	615	580	10 196	1 281	2 223	2 437	2 042	1 137	1 075
2003	11 454	1 176	661	515	10 278	1 291	2 210	2 401	2 094	1 189	1 093
BLACK WOMEN¹											
1972	7 988	1 040	536	503	6 948	1 106	1 558	1 302	1 176	881	925
1973	8 214	1 088	556	532	7 126	1 153	1 631	1 306	1 194	898	944
1974	8 454	1 110	567	542	7 344	1 181	1 723	1 327	1 206	926	981
1975	8 691	1 141	581	560	7 550	1 226	1 806	1 334	1 213	948	1 025
1976	8 931	1 165	585	580	7 765	1 266	1 890	1 357	1 220	962	1 070
1977	9 174	1 171	590	581	8 003	1 324	1 978	1 390	1 228	979	1 108
1978	9 394	1 177	589	588	8 217	1 363	2 061	1 419	1 231	999	1 143
1979	9 636	1 176	586	589	8 460	1 405	2 160	1 455	1 242	1 022	1 176
1980	9 880	1 180	587	593	8 700	1 435	2 267	1 496	1 250	1 045	1 208
1981	10 102	1 178	584	593	8 924	1 453	2 376	1 534	1 257	1 069	1 234
1982	10 300	1 155	563	592	9 146	1 472	2 455	1 605	1 260	1 087	1 267
1983	10 477	1 138	550	588	9 340	1 480	2 539	1 666	1 260	1 107	1 288
1984	10 694	1 106	532	574	9 588	1 491	2 625	1 756	1 276	1 119	1 322
1985	10 873	1 101	540	560	9 773	1 447	2 693	1 828	1 312	1 136	1 357
1986	11 033	1 088	542	545	9 945	1 430	2 762	1 893	1 341	1 145	1 374
1987	11 224	1 098	557	541	10 126	1 405	2 819	1 976	1 368	1 153	1 405
1988	11 402	1 105	561	544	10 298	1 376	2 867	2 060	1 403	1 159	1 432
1989	11 582	1 100	541	559	10 482	1 351	2 905	2 159	1 441	1 162	1 464
1990	11 904	1 144	546	598	10 760	1 410	2 995	2 360	1 435	1 114	1 446
1991	12 074	1 115	539	576	10 959	1 417	3 003	2 478	1 471	1 121	1 470
1992	12 251	1 099	542	557	11 152	1 421	2 995	2 573	1 542	1 127	1 495
1993	12 438	1 106	554	552	11 332	1 419	2 983	2 659	1 611	1 142	1 518
1994	12 621	1 125	582	543	11 496	1 410	2 963	2 738	1 692	1 156	1 538
1995	12 835	1 153	597	556	11 682	1 392	2 948	2 816	1 782	1 178	1 565
1996	13 029	1 195	615	580	11 833	1 364	2 938	2 877	1 874	1 196	1 584
1997	13 241	1 225	620	604	12 016	1 362	2 916	2 939	1 964	1 228	1 608
1998	13 446	1 243	618	624	12 203	1 380	2 886	2 991	2 053	1 268	1 626
1999	13 711	1 261	621	640	12 451	1 418	2 876	3 043	2 153	1 310	1 650
2000	13 772	1 211	600	611	12 561	1 416	2 812	3 017	2 279	1 340	1 697
2001	13 965	1 209	606	603	12 758	1 462	2 790	3 026	2 383	1 382	1 714
2002	14 187	1 221	620	601	12 966	1 498	2 792	3 023	2 471	1 434	1 747
2003	14 232	1 206	648	558	13 026	1 482	2 768	2 986	2 534	1 504	1 753

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-6. Civilian Noninstitutional Population by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
HISPANIC MEN											
1973	2 891	...	...	...	2 472	...	...	...	...	...	...
1974	3 130	...	...	...	2 680	...	...	...	...	...	...
1975	3 219	...	...	...	2 741	...	...	...	...	...	...
1976	3 241	...	...	...	2 764	...	...	...	...	...	...
1977	3 483	...	...	...	2 982	...	...	...	...	...	...
1978	3 750	...	...	...	3 228	...	...	...	...	...	...
1979	3 917	...	...	...	3 362	...	...	...	...	...	...
1980	4 689	...	...	...	4 036	...	...	...	...	...	...
1981	4 988	...	...	...	4 306	...	...	...	...	...	...
1982	5 203	...	...	...	4 539	...	...	...	...	...	...
1983	5 432	...	...	...	4 771	...	...	...	...	...	...
1984	5 661	...	...	...	5 005	...	...	...	...	...	...
1985	5 885	...	...	...	5 232	...	...	...	...	...	...
1986	6 106	...	...	...	5 451	...	...	...	...	...	...
1987	6 371	...	...	...	5 700	...	...	...	...	...	...
1988	6 604	...	...	...	5 921	...	...	...	...	...	...
1989	6 825	...	...	...	6 114	...	...	...	...	...	...
1990	8 041	...	...	...	7 126	...	...	...	...	...	...
1991	8 296	...	...	...	7 392	...	...	...	...	...	...
1992	8 553	...	...	...	7 655	...	...	...	...	...	...
1993	8 824	...	...	...	7 930	...	...	...	...	...	...
1994	9 104	926	472	454	8 178	1 346	2 627	1 871	1 076	644	614
1995	9 329	954	481	473	8 375	1 337	2 657	1 966	1 127	668	619
1996	9 604	992	485	507	8 611	1 321	2 692	2 144	1 111	712	630
1997	10 368	1 119	585	534	9 250	1 439	2 872	2 275	1 266	747	651
1998	10 734	1 161	586	575	9 573	1 462	2 907	2 377	1 342	771	714
1999	10 713	1 190	571	619	9 523	1 398	2 805	2 407	1 397	767	749
2000	12 174	1 333	640	693	10 841	1 784	3 380	2 626	1 527	799	725
2001	12 695	1 310	619	690	11 386	1 846	3 529	2 765	1 650	848	749
2002	13 221	1 293	615	678	11 928	1 890	3 727	2 875	1 716	902	817
2003	14 098	1 301	674	627	12 797	1 905	4 033	3 098	1 910	989	862
HISPANIC WOMEN											
1973	3 213	...	...	...	2 766	...	...	...	...	...	...
1974	3 434	...	...	...	2 959	...	...	...	...	...	...
1975	3 644	...	...	...	3 161	...	...	...	...	...	...
1976	3 669	...	...	...	3 263	...	...	...	...	...	...
1977	3 879	...	...	...	3 377	...	...	...	...	...	...
1978	4 159	...	...	...	3 608	...	...	...	...	...	...
1979	4 291	...	...	...	3 751	...	...	...	...	...	...
1980	4 909	...	...	...	4 281	...	...	...	...	...	...
1981	5 151	...	...	...	4 513	...	...	...	...	...	...
1982	5 377	...	...	...	4 734	...	...	...	...	...	...
1983	5 597	...	...	...	4 954	...	...	...	...	...	...
1984	5 816	...	...	...	5 173	...	...	...	...	...	...
1985	6 029	...	...	...	5 385	...	...	...	...	...	...
1986	6 238	...	...	...	5 591	...	...	...	...	...	...
1987	6 496	...	...	...	5 835	...	...	...	...	...	...
1988	6 721	...	...	...	6 050	...	...	...	...	...	...
1989	6 965	...	...	...	6 278	...	...	...	...	...	...
1990	7 863	...	...	...	7 041	...	...	...	...	...	...
1991	8 130	...	...	...	7 301	...	...	...	...	...	...
1992	8 408	...	...	...	7 569	...	...	...	...	...	...
1993	8 708	...	...	...	7 846	...	...	...	...	...	...
1994	9 014	892	430	462	8 122	1 173	2 373	1 885	1 147	757	787
1995	9 300	918	422	496	8 382	1 191	2 393	1 999	1 167	815	818
1996	9 610	956	477	479	8 654	1 203	2 489	2 082	1 164	834	882
1997	9 953	1 003	503	500	8 950	1 184	2 533	2 178	1 315	833	907
1998	10 335	1 044	483	560	9 292	1 269	2 539	2 259	1 433	844	948
1999	10 937	1 116	542	575	9 821	1 302	2 707	2 425	1 470	947	969
2000	11 764	1 190	574	616	10 574	1 471	3 086	2 564	1 534	937	982
2001	12 247	1 198	554	644	11 049	1 571	3 198	2 581	1 689	968	1 043
2002	12 742	1 214	601	613	11 528	1 617	3 283	2 732	1 777	1 051	1 068
2003	13 452	1 242	672	570	12 211	1 628	3 473	2 905	1 935	1 105	1 166

... = Not available.

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
TOTAL											
1948	60 621	4 435	1 780	2 654	56 187	7 392	14 258	13 397	10 914	7 329	2 897
1949	61 286	4 288	1 704	2 583	57 000	7 340	14 415	13 711	11 107	7 426	3 010
1950	62 208	4 216	1 659	2 557	57 994	7 307	14 619	13 954	11 444	7 633	3 036
1951	62 017	4 103	1 743	2 360	57 914	6 594	14 668	14 100	11 739	7 796	3 020
1952	62 138	4 064	1 806	2 257	58 075	5 840	14 904	14 383	11 961	7 980	3 005
1953	63 015	4 027	1 727	2 299	58 989	5 481	14 898	15 099	12 249	8 024	3 236
1954	63 643	3 976	1 643	2 300	59 666	5 475	14 983	15 221	12 524	8 269	3 192
1955	65 023	4 092	1 711	2 382	60 931	5 666	15 058	15 400	12 992	8 513	3 305
1956	66 552	4 296	1 878	2 418	62 257	5 940	14 961	15 694	13 407	8 830	3 423
1957	66 929	4 275	1 843	2 433	62 653	6 071	14 826	15 847	13 768	8 853	3 290
1958	67 639	4 260	1 818	2 442	63 377	6 272	14 668	16 028	14 179	9 031	3 199
1959	68 369	4 492	1 971	2 522	63 876	6 413	14 435	16 127	14 518	9 227	3 158
1960	69 628	4 841	2 095	2 747	64 788	6 702	14 382	16 269	14 852	9 385	3 195
1961	70 459	4 936	1 984	2 951	65 524	6 950	14 319	16 402	15 071	9 636	3 146
1962	70 614	4 916	1 919	2 997	65 699	7 082	14 023	16 589	15 096	9 757	3 154
1963	71 833	5 139	2 171	2 966	66 695	7 473	14 050	16 788	15 338	10 006	3 041
1964	73 091	5 388	2 449	2 940	67 702	7 963	14 056	16 771	15 637	10 182	3 090
1965	74 455	5 910	2 486	3 425	68 543	8 259	14 233	16 840	15 756	10 350	3 108
1966	75 770	6 558	2 664	3 893	69 219	8 410	14 458	16 738	15 984	10 575	3 053
1967	77 347	6 521	2 734	3 786	70 825	9 010	15 055	16 703	16 172	10 792	3 097
1968	78 737	6 619	2 817	3 803	72 118	9 305	15 708	16 591	16 397	10 964	3 153
1969	80 734	6 970	3 009	3 959	73 763	9 879	16 336	16 458	16 370	11 135	3 227
1970	82 771	7 249	3 135	4 115	75 521	10 597	17 036	16 437	16 949	11 283	3 222
1971	84 382	7 470	3 192	4 278	76 913	11 331	17 714	16 305	17 024	11 390	3 149
1972	87 034	8 054	3 420	4 636	78 980	12 130	18 960	16 398	16 967	11 412	3 114
1973	89 429	8 507	3 665	4 839	80 924	12 846	20 376	16 492	16 983	11 256	2 974
1974	91 949	8 871	3 810	5 059	83 080	13 314	21 654	16 763	17 131	11 284	2 934
1975	93 775	8 870	3 740	5 131	84 904	13 750	22 864	16 903	17 084	11 346	2 956
1976	96 158	9 056	3 767	5 288	87 103	14 284	24 203	17 317	16 982	11 422	2 895
1977	99 009	9 351	3 919	5 431	89 658	14 825	25 500	17 943	16 878	11 577	2 934
1978	102 251	9 652	4 127	5 526	92 598	15 370	26 703	18 821	16 891	11 744	3 070
1979	104 962	9 638	4 079	5 559	95 325	15 769	27 938	19 685	16 897	11 931	3 104
1980	106 940	9 378	3 883	5 496	97 561	15 922	29 227	20 463	16 910	11 985	3 054
1981	108 670	8 988	3 647	5 340	99 682	16 099	30 392	21 211	16 970	11 969	3 042
1982	110 204	8 526	3 336	5 189	101 679	16 082	31 186	22 431	16 889	12 062	3 030
1983	111 550	8 171	3 073	5 098	103 379	16 052	31 834	23 611	16 851	11 992	3 040
1984	113 544	7 943	3 050	4 894	105 601	16 046	32 723	24 933	17 006	11 961	2 933
1985	115 461	7 901	3 154	4 747	107 560	15 718	33 550	26 073	17 322	11 991	2 907
1986	117 834	7 926	3 287	4 639	109 908	15 441	34 591	27 232	17 739	11 894	3 010
1987	119 865	7 988	3 384	4 604	111 878	14 977	35 233	28 460	18 210	11 877	3 119
1988	121 669	8 031	3 286	4 745	113 638	14 505	35 503	29 435	19 104	11 808	3 284
1989	123 869	7 954	3 125	4 828	115 916	14 180	35 896	30 601	19 916	11 877	3 446
1990	125 840	7 792	2 937	4 856	118 047	14 700	35 929	32 145	20 248	11 575	3 451
1991	126 346	7 265	2 789	4 476	119 082	14 548	35 507	33 312	20 828	11 473	3 413
1992	128 105	7 096	2 769	4 327	121 009	14 521	35 369	33 899	22 160	11 587	3 473
1993	129 200	7 170	2 831	4 338	122 030	14 354	34 780	34 562	23 296	11 599	3 439
1994	131 056	7 481	3 134	4 347	123 576	14 131	34 353	35 226	24 318	11 713	3 834
1995	132 304	7 765	3 225	4 540	124 539	13 688	34 198	35 751	25 223	11 860	3 819
1996	133 943	7 806	3 263	4 543	126 137	13 377	33 833	36 556	26 397	12 146	3 828
1997	136 297	7 932	3 237	4 695	128 365	13 532	33 380	37 326	27 574	12 665	3 887
1998	137 673	8 256	3 335	4 921	129 417	13 638	32 813	37 536	28 368	13 215	3 847
1999	139 368	8 333	3 337	4 996	131 034	13 933	32 143	37 882	29 388	13 682	4 005
2000	142 583	8 271	3 261	5 010	134 312	14 250	32 755	37 567	31 071	14 356	4 312
2001	143 734	7 902	3 088	4 814	135 832	14 557	32 361	37 404	32 025	15 104	4 382
2002	144 863	7 585	2 870	4 715	137 278	14 781	32 196	36 926	32 597	16 309	4 469
2003	146 510	7 170	2 857	4 313	139 340	14 928	32 343	36 695	33 270	17 312	4 792

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
MEN											
1948	43 286	2 600	1 109	1 490	40 687	4 673	10 327	9 596	7 943	5 764	2 384
1949	43 498	2 477	1 056	1 420	41 022	4 682	10 418	9 722	8 008	5 748	2 454
1950	43 819	2 504	1 048	1 456	41 316	4 632	10 527	9 793	8 117	5 794	2 453
1951	43 001	2 347	1 081	1 266	40 655	3 935	10 375	9 799	8 205	5 873	2 469
1952	42 869	2 312	1 101	1 210	40 558	3 338	10 585	9 945	8 326	5 949	2 416
1953	43 633	2 320	1 070	1 249	41 315	3 053	10 736	10 437	8 570	5 975	2 543
1954	43 965	2 295	1 023	1 272	41 669	3 051	10 771	10 513	8 702	6 105	2 526
1955	44 475	2 369	1 070	1 299	42 106	3 221	10 806	10 595	8 838	6 122	2 526
1956	45 091	2 433	1 142	1 291	42 658	3 485	10 685	10 663	9 002	6 220	2 602
1957	45 197	2 415	1 127	1 289	42 780	3 629	10 571	10 731	9 153	6 222	2 477
1958	45 521	2 428	1 133	1 295	43 092	3 771	10 475	10 843	9 320	6 304	2 378
1959	45 886	2 596	1 206	1 390	43 289	3 940	10 346	10 899	9 438	6 345	2 322
1960	46 388	2 787	1 290	1 496	43 603	4 123	10 251	10 967	9 574	6 399	2 287
1961	46 653	2 794	1 210	1 583	43 860	4 253	10 176	11 012	9 668	6 530	2 220
1962	46 600	2 770	1 178	1 592	43 831	4 279	9 920	11 115	9 715	6 560	2 241
1963	47 129	2 907	1 321	1 586	44 222	4 514	9 876	11 187	9 836	6 675	2 135
1964	47 679	3 074	1 499	1 575	44 604	4 754	9 876	11 156	9 956	6 741	2 124
1965	48 255	3 397	1 532	1 866	44 857	4 894	9 903	11 120	10 045	6 763	2 132
1966	48 471	3 685	1 609	2 075	44 788	4 820	9 948	10 983	10 100	6 847	2 089
1967	48 987	3 634	1 658	1 976	45 354	5 043	10 207	10 859	10 189	6 937	2 118
1968	49 533	3 681	1 687	1 995	45 852	5 070	10 610	10 725	10 267	7 025	2 154
1969	50 221	3 870	1 770	2 100	46 351	5 282	10 941	10 556	10 344	7 058	2 170
1970	51 228	4 008	1 810	2 199	47 220	5 717	11 327	10 469	10 417	7 126	2 165
1971	52 180	4 172	1 856	2 315	48 009	6 233	11 731	10 347	10 451	7 155	2 090
1972	53 555	4 476	1 955	2 522	49 079	6 766	12 350	10 372	10 412	7 155	2 026
1973	54 624	4 693	2 073	2 618	49 932	7 183	13 056	10 338	10 416	7 028	1 913
1974	55 739	4 861	2 138	2 721	50 879	7 387	13 665	10 401	10 431	7 063	1 932
1975	56 299	4 805	2 065	2 740	51 494	7 565	14 192	10 398	10 401	7 023	1 914
1976	57 174	4 886	2 069	2 817	52 288	7 866	14 784	10 500	10 293	7 020	1 826
1977	58 396	5 048	2 155	2 893	53 348	8 109	15 353	10 771	10 158	7 100	1 857
1978	59 620	5 149	2 227	2 923	54 471	8 327	15 814	11 159	10 083	7 151	1 936
1979	60 726	5 111	2 192	2 919	55 615	8 535	16 387	11 531	10 008	7 212	1 943
1980	61 453	4 999	2 102	2 897	56 455	8 607	16 971	11 836	9 905	7 242	1 893
1981	61 974	4 777	1 957	2 820	57 197	8 648	17 479	12 166	9 868	7 170	1 866
1982	62 450	4 470	1 776	2 694	57 980	8 604	17 793	12 781	9 784	7 174	1 845
1983	63 047	4 303	1 621	2 682	58 744	8 601	18 038	13 398	9 746	7 119	1 842
1984	63 835	4 134	1 591	2 542	59 701	8 594	18 488	14 037	9 776	7 050	1 755
1985	64 411	4 134	1 663	2 471	60 277	8 283	18 808	14 506	9 870	7 060	1 750
1986	65 422	4 102	1 707	2 395	61 320	8 148	19 383	15 029	9 994	6 954	1 811
1987	66 207	4 112	1 745	2 367	62 095	7 837	19 656	15 587	10 176	6 940	1 899
1988	66 927	4 159	1 714	2 445	62 768	7 594	19 742	16 074	10 566	6 831	1 960
1989	67 840	4 136	1 630	2 505	63 704	7 458	19 905	16 622	10 919	6 783	2 017
1990	69 011	4 094	1 537	2 557	64 916	7 866	19 872	17 481	11 103	6 627	1 967
1991	69 168	3 795	1 452	2 343	65 374	7 820	19 641	18 077	11 362	6 550	1 924
1992	69 964	3 751	1 453	2 297	66 213	7 770	19 495	18 347	12 040	6 551	2 010
1993	70 404	3 762	1 497	2 265	66 642	7 671	19 214	18 713	12 562	6 502	1 980
1994	70 817	3 896	1 630	2 266	66 921	7 540	18 854	18 966	12 962	6 423	2 176
1995	71 360	4 036	1 668	2 368	67 324	7 338	18 670	19 189	13 421	6 504	2 201
1996	72 087	4 043	1 665	2 378	68 044	7 104	18 430	19 602	13 967	6 693	2 247
1997	73 261	4 095	1 676	2 419	69 166	7 184	18 110	20 058	14 564	6 952	2 298
1998	73 959	4 244	1 728	2 516	69 715	7 221	17 796	20 242	14 963	7 253	2 240
1999	74 512	4 318	1 732	2 587	70 194	7 291	17 318	20 382	15 394	7 477	2 333
2000	76 280	4 269	1 676	2 594	72 010	7 521	17 844	20 093	16 269	7 795	2 488
2001	76 886	4 070	1 568	2 501	72 816	7 640	17 671	20 018	16 804	8 171	2 511
2002	77 500	3 870	1 431	2 439	73 630	7 769	17 596	19 828	17 143	8 751	2 542
2003	78 238	3 614	1 405	2 209	74 623	7 906	17 767	19 762	17 352	9 144	2 692

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WOMEN											
1948	17 335	1 835	671	1 164	15 500	2 719	3 931	3 801	2 971	1 565	513
1949	17 788	1 811	648	1 163	15 978	2 658	3 997	3 989	3 099	1 678	556
1950	18 389	1 712	611	1 101	16 678	2 675	4 092	4 161	3 327	1 839	583
1951	19 016	1 756	662	1 094	17 259	2 659	4 293	4 301	3 534	1 923	551
1952	19 269	1 752	705	1 047	17 517	2 502	4 319	4 438	3 635	2 031	589
1953	19 382	1 707	657	1 050	17 674	2 428	4 162	4 662	3 679	2 049	693
1954	19 678	1 681	620	1 028	17 997	2 424	4 212	4 708	3 822	2 164	666
1955	20 548	1 723	641	1 083	18 825	2 445	4 252	4 805	4 154	2 391	779
1956	21 461	1 863	736	1 127	19 599	2 455	4 276	5 031	4 405	2 610	821
1957	21 732	1 860	716	1 144	19 873	2 442	4 255	5 116	4 615	2 631	813
1958	22 118	1 832	685	1 147	20 285	2 501	4 193	5 185	4 859	2 727	821
1959	22 483	1 896	765	1 132	20 587	2 473	4 089	5 228	5 080	2 882	836
1960	23 240	2 054	805	1 251	21 185	2 579	4 131	5 302	5 278	2 986	908
1961	23 806	2 142	774	1 368	21 664	2 697	4 143	5 390	5 403	3 106	926
1962	24 014	2 146	741	1 405	21 868	2 803	4 103	5 474	5 381	3 197	913
1963	24 704	2 232	850	1 380	22 473	2 959	4 174	5 601	5 502	3 331	906
1964	25 412	2 314	950	1 365	23 098	3 209	4 180	5 615	5 681	3 441	966
1965	26 200	2 513	954	1 559	23 686	3 365	4 330	5 720	5 711	3 587	976
1966	27 299	2 873	1 055	1 818	24 431	3 590	4 510	5 755	5 884	3 728	964
1967	28 360	2 887	1 076	1 810	25 475	3 966	4 848	5 844	5 983	3 855	979
1968	29 204	2 938	1 130	1 808	26 266	4 235	5 098	5 866	6 130	3 939	999
1969	30 513	3 100	1 239	1 859	27 413	4 597	5 395	5 902	6 386	4 077	1 057
1970	31 543	3 241	1 325	1 916	28 301	4 880	5 708	5 968	6 532	4 157	1 056
1971	32 202	3 298	1 336	1 963	28 904	5 098	5 983	5 957	6 573	4 234	1 059
1972	33 479	3 578	1 464	2 114	29 901	5 364	6 610	6 027	6 555	4 257	1 089
1973	34 804	3 814	1 592	2 221	30 991	5 663	7 320	6 154	6 567	4 228	1 061
1974	36 211	4 010	1 672	2 338	32 201	5 926	7 989	6 362	6 699	4 221	1 002
1975	37 475	4 065	1 674	2 391	33 410	6 185	8 673	6 505	6 683	4 323	1 042
1976	38 983	4 170	1 698	2 470	34 814	6 418	9 419	6 817	6 689	4 402	1 069
1977	40 613	4 303	1 765	2 538	36 310	6 717	10 149	7 171	6 720	4 477	1 078
1978	42 631	4 503	1 900	2 603	38 128	7 043	10 888	7 662	6 807	4 593	1 134
1979	44 235	4 527	1 887	2 639	39 708	7 234	11 551	8 154	6 889	4 719	1 161
1980	45 487	4 381	1 781	2 599	41 106	7 315	12 257	8 627	7 004	4 742	1 161
1981	46 696	4 211	1 691	2 520	42 485	7 451	12 912	9 045	7 101	4 799	1 176
1982	47 755	4 056	1 561	2 495	43 699	7 477	13 393	9 651	7 105	4 888	1 185
1983	48 503	3 868	1 452	2 416	44 636	7 451	13 796	10 213	7 105	4 873	1 198
1984	49 709	3 810	1 458	2 351	45 900	7 451	14 234	10 896	7 230	4 911	1 177
1985	51 050	3 767	1 491	2 276	47 283	7 434	14 742	11 567	7 452	4 932	1 156
1986	52 413	3 824	1 580	2 244	48 589	7 293	15 208	12 204	7 746	4 940	1 199
1987	53 658	3 875	1 638	2 237	49 783	7 140	15 577	12 873	8 034	4 937	1 221
1988	54 742	3 872	1 572	2 300	50 870	6 910	15 761	13 361	8 537	4 977	1 324
1989	56 030	3 818	1 495	2 323	52 212	6 721	15 990	13 980	8 997	5 095	1 429
1990	56 829	3 698	1 400	2 298	53 131	6 834	16 058	14 663	9 145	4 948	1 483
1991	57 178	3 470	1 337	2 133	53 708	6 728	15 867	15 235	9 465	4 924	1 489
1992	58 141	3 345	1 316	2 030	54 796	6 750	15 875	15 552	10 120	5 035	1 464
1993	58 795	3 408	1 335	2 073	55 388	6 683	15 566	15 849	10 733	5 097	1 459
1994	60 239	3 585	1 504	2 081	56 655	6 592	15 499	16 259	11 357	5 289	1 658
1995	60 944	3 729	1 557	2 172	57 215	6 349	15 528	16 562	11 801	5 356	1 618
1996	61 857	3 763	1 599	2 164	58 094	6 273	15 403	16 954	12 430	5 452	1 581
1997	63 036	3 837	1 561	2 277	59 198	6 348	15 271	17 268	13 010	5 713	1 590
1998	63 714	4 012	1 607	2 405	59 702	6 418	15 017	17 294	13 405	5 962	1 607
1999	64 855	4 015	1 606	2 410	60 840	6 643	14 826	17 501	13 994	6 204	1 673
2000	66 303	4 002	1 585	2 416	62 301	6 730	14 912	17 473	14 802	6 561	1 823
2001	66 848	3 832	1 520	2 313	63 016	6 917	14 690	17 386	15 221	6 932	1 870
2002	67 363	3 715	1 439	2 277	63 648	7 012	14 600	17 098	15 454	7 559	1 926
2003	68 272	3 556	1 452	2 104	64 716	7 021	14 576	16 933	15 919	8 168	2 099

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE¹											
1954	56 816	3 501	1 448	2 054	53 315	4 752	13 226	13 540	11 258	7 591	2 946
1955	58 085	3 598	1 511	2 087	54 487	4 941	13 267	13 729	11 680	7 810	3 062
1956	59 428	3 771	1 656	2 113	55 657	5 194	13 154	14 000	12 061	8 080	3 166
1957	59 754	3 775	1 637	2 135	55 979	5 283	13 044	14 117	12 382	8 091	3 049
1958	60 293	3 757	1 615	2 144	56 536	5 449	12 884	14 257	12 727	8 254	2 964
1959	60 952	4 000	1 775	2 225	56 952	5 544	12 670	14 355	13 048	8 411	2 925
1960	61 915	4 275	1 871	2 405	57 640	5 787	12 594	14 450	13 322	8 522	2 964
1961	62 656	4 362	1 767	2 594	58 294	6 026	12 503	14 557	13 517	8 773	2 917
1962	62 750	4 354	1 709	2 645	58 396	6 164	12 218	14 695	13 551	8 856	2 912
1963	63 830	4 559	1 950	2 608	59 271	6 537	12 229	14 859	13 789	9 067	2 790
1964	64 921	4 784	2 211	2 572	60 137	6 952	12 235	14 852	14 043	9 239	2 817
1965	66 137	5 267	2 221	3 044	60 870	7 189	12 391	14 900	14 162	9 392	2 839
1966	67 276	5 827	2 367	3 460	61 449	7 324	12 591	14 785	14 370	9 583	2 793
1967	68 699	5 749	2 432	3 318	62 950	7 886	13 123	14 765	14 545	9 817	2 821
1968	69 976	5 839	2 519	3 320	64 137	8 109	13 740	14 683	14 756	9 968	2 884
1969	71 778	6 168	2 698	3 470	65 611	8 614	14 289	14 564	15 057	10 132	2 954
1970	73 556	6 442	2 824	3 617	67 113	9 238	14 896	14 525	15 269	10 255	2 930
1971	74 963	6 681	2 894	3 787	68 282	9 889	15 445	14 374	15 343	10 351	2 880
1972	77 275	7 193	3 096	4 098	70 082	10 605	16 584	14 399	15 283	10 402	2 809
1973	79 151	7 579	3 320	4 260	71 572	11 182	17 764	14 440	15 256	10 240	2 687
1974	81 281	7 899	3 441	4 459	73 381	11 600	18 862	14 644	15 375	10 241	2 656
1975	82 831	7 899	3 375	4 525	74 932	12 019	19 897	14 753	15 308	10 287	2 668
1976	84 767	8 088	3 410	4 679	76 678	12 444	20 990	15 088	15 187	10 371	2 599
1977	87 141	8 352	3 562	4 790	78 789	12 892	22 099	15 604	15 053	10 495	2 647
1978	89 634	8 555	3 715	4 839	81 079	13 309	23 067	16 353	15 004	10 602	2 745
1979	91 923	8 548	3 668	4 881	83 375	13 632	24 101	17 123	14 965	10 767	2 787
1980	93 600	8 312	3 485	4 827	85 286	13 769	25 181	17 811	14 956	10 812	2 759
1981	95 052	7 962	3 274	4 688	87 089	13 926	26 208	18 445	14 993	10 764	2 753
1982	96 143	7 518	3 001	4 518	88 625	13 866	26 814	19 491	14 879	10 832	2 742
1983	97 021	7 186	2 765	4 421	89 835	13 816	27 237	20 488	14 798	10 732	2 766
1984	98 492	6 952	2 720	4 232	91 540	13 733	27 958	21 588	14 899	10 701	2 660
1985	99 926	6 841	2 777	4 065	93 085	13 469	28 640	22 591	15 101	10 679	2 605
1986	101 801	6 862	2 895	3 967	94 939	13 176	29 497	23 571	15 379	10 583	2 732
1987	103 290	6 893	2 963	3 931	96 396	12 764	29 956	24 581	15 792	10 497	2 806
1988	104 756	6 940	2 861	4 079	97 815	12 311	30 167	25 358	16 573	10 462	2 943
1989	106 355	6 809	2 685	4 124	99 546	11 940	30 388	26 312	17 278	10 533	3 094
1990	107 447	6 683	2 543	4 140	100 764	12 397	30 174	27 265	17 515	10 290	3 123
1991	107 743	6 245	2 432	3 813	101 498	12 248	29 794	28 213	18 028	10 129	3 086
1992	108 837	6 022	2 388	3 633	102 815	12 187	29 518	28 580	19 200	10 196	3 135
1993	109 700	6 105	2 458	3 647	103 595	11 987	29 027	29 056	20 181	10 215	3 129
1994	111 082	6 357	2 681	3 677	104 725	11 688	28 580	29 626	21 026	10 319	3 486
1995	111 950	6 545	2 749	3 796	105 404	11 266	28 325	30 112	21 804	10 432	3 466
1996	113 108	6 607	2 780	3 826	106 502	11 003	27 901	30 683	22 781	10 648	3 485
1997	114 693	6 720	2 779	3 941	107 973	11 127	27 362	31 171	23 709	11 086	3 517
1998	115 415	6 965	2 860	4 105	108 450	11 244	26 707	31 221	24 282	11 548	3 448
1999	116 509	7 048	2 849	4 199	109 461	11 436	25 978	31 391	25 102	11 960	3 595
2000	118 545	6 955	2 768	4 186	111 590	11 626	26 336	30 968	26 353	12 463	3 846
2001	119 399	6 661	2 626	4 035	112 737	11 883	26 010	30 778	27 062	13 121	3 883
2002	120 150	6 366	2 445	3 921	113 784	12 073	25 908	30 286	27 405	14 148	3 965
2003	120 546	5 973	2 414	3 560	114 572	12 064	25 752	29 788	27 786	14 944	4 238

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK¹											
1972	8 707	788	293	496	7 919	1 393	2 107	1 735	1 496	909	281
1973	8 976	833	307	525	8 143	1 489	2 242	1 741	1 513	901	258
1974	9 167	851	317	534	8 317	1 492	2 358	1 777	1 517	917	253
1975	9 263	838	312	524	8 426	1 477	2 466	1 775	1 519	929	258
1976	9 561	837	304	532	8 724	1 544	2 646	1 824	1 518	925	268
1977	9 932	861	304	557	9 072	1 641	2 798	1 894	1 530	943	267
1978	10 432	930	341	589	9 501	1 739	2 961	1 975	1 560	978	289
1979	10 678	912	340	572	9 766	1 793	3 094	2 039	1 584	974	281
1980	10 865	891	326	565	9 975	1 802	3 259	2 081	1 596	978	257
1981	11 086	862	308	554	10 224	1 828	3 365	2 164	1 608	1 009	249
1982	11 331	824	268	556	10 507	1 849	3 492	2 303	1 610	1 012	243
1983	11 647	809	248	561	10 838	1 871	3 675	2 406	1 630	1 032	224
1984	12 033	827	268	558	11 206	1 926	3 800	2 565	1 671	1 020	224
1985	12 364	889	311	578	11 476	1 854	3 888	2 681	1 742	1 059	252
1986	12 654	883	322	562	11 770	1 881	4 028	2 793	1 793	1 051	224
1987	12 993	899	336	563	12 094	1 818	4 147	2 942	1 838	1 098	251
1988	13 205	889	344	545	12 316	1 782	4 226	3 069	1 894	1 069	276
1989	13 497	925	353	572	12 573	1 789	4 295	3 227	1 954	1 023	285
1990	13 740	866	306	560	12 874	1 758	4 307	3 566	2 003	977	262
1991	13 797	774	266	508	13 023	1 750	4 254	3 719	2 042	1 001	256
1992	14 162	816	285	532	13 346	1 763	4 309	3 843	2 142	1 029	259
1993	14 225	807	283	524	13 418	1 764	4 232	3 960	2 212	1 013	237
1994	14 502	852	351	501	13 650	1 800	4 199	4 068	2 308	1 007	267
1995	14 817	911	366	545	13 906	1 754	4 267	4 165	2 404	1 046	271
1996	15 134	923	366	556	14 211	1 738	4 305	4 287	2 553	1 073	255
1997	15 529	933	352	580	14 596	1 783	4 329	4 401	2 724	1 093	265
1998	15 982	1 017	370	646	14 966	1 797	4 332	4 531	2 863	1 163	278
1999	16 365	959	352	607	15 406	1 866	4 430	4 653	2 992	1 180	285
2000	16 397	941	356	585	15 456	1 873	4 281	4 515	3 203	1 264	320
2001	16 201	898	332	565	15 524	1 878	4 180	4 483	3 298	1 335	350
2002	16 565	870	297	574	15 695	1 908	4 134	4 458	3 435	1 407	353
2003	16 526	771	289	482	15 755	1 892	4 060	4 465	3 506	1 466	366
HISPANIC											
1973	3 673	407	...	...	...	...	...	...	...	...	...
1974	4 012	442	...	...	...	...	...	...	...	...	...
1975	4 171	444	...	...	...	...	...	...	...	...	...
1976	4 205	447	176	285	3 820	729	1 248	875	625	294	48
1977	4 536	493	184	305	4 059	813	1 325	916	656	293	55
1978	4 979	533	221	312	4 446	901	1 446	1 008	701	323	67
1979	5 219	551	207	343	4 668	960	1 532	1 062	704	339	72
1980	6 146	645	241	404	5 502	1 136	1 843	1 163	860	414	85
1981	6 492	603	215	388	5 888	1 231	2 015	1 239	886	430	87
1982	6 734	585	192	393	6 148	1 251	2 163	1 313	891	444	85
1983	7 033	590	189	401	6 442	1 282	2 267	1 380	931	495	86
1984	7 451	618	209	409	6 833	1 325	2 436	1 509	954	524	84
1985	7 698	579	199	379	7 119	1 358	2 571	1 595	985	527	82
1986	8 076	571	203	368	7 505	1 414	2 685	1 713	1 097	511	84
1987	8 541	610	206	404	7 931	1 425	2 890	1 904	1 086	545	81
1988	8 982	671	234	437	8 311	1 486	2 957	1 996	1 147	621	103
1989	9 323	680	224	456	8 643	1 483	3 118	2 092	1 205	625	120
1990	10 720	829	276	554	9 891	1 839	3 590	2 386	1 320	647	110
1991	10 920	781	249	532	10 139	1 835	3 596	2 539	1 376	681	111
1992	11 338	796	263	533	10 542	1 815	3 740	2 735	1 442	687	122
1993	11 610	771	246	525	10 839	1 811	3 800	2 865	1 534	684	145
1994	11 975	807	285	522	11 168	1 863	3 865	2 965	1 626	698	151
1995	12 267	850	291	559	11 417	1 818	3 943	3 113	1 671	720	152
1996	12 774	845	284	561	11 929	1 845	4 054	3 361	1 697	806	166
1997	13 796	911	315	596	12 884	2 004	4 298	3 601	1 945	850	186
1998	14 317	1 007	320	688	13 310	2 077	4 372	3 707	2 090	894	169
1999	14 665	1 049	333	717	13 616	2 052	4 330	3 929	2 178	927	199
2000	16 689	1 168	368	800	15 521	2 546	5 197	4 241	2 387	940	209
2001	17 328	1 176	352	824	16 152	2 616	5 380	4 377	2 583	1 000	195
2002	17 943	1 103	335	769	16 840	2 678	5 645	4 545	2 657	1 091	224
2003	18 813	960	322	638	17 853	2 672	5 960	4 867	2 894	1 201	259

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE MEN¹											
1954	39 759	1 989	896	1 095	37 770	2 654	9 695	9 516	7 913	5 653	2 339
1955	40 197	2 056	935	1 121	38 141	2 803	9 721	9 597	8 025	5 654	2 343
1956	40 734	2 114	1 002	1 110	38 620	3 036	9 595	9 661	8 175	5 736	2 417
1957	40 826	2 108	992	1 114	38 718	3 152	9 483	9 719	8 317	5 735	2 307
1958	41 080	2 116	1 001	1 116	38 964	3 278	9 386	9 822	8 465	5 800	2 213
1959	41 397	2 279	1 077	1 202	39 118	3 409	9 261	9 876	8 581	5 833	2 158
1960	41 743	2 433	1 140	1 293	39 310	3 559	9 153	9 919	8 689	5 861	2 129
1961	41 986	2 439	1 067	1 372	39 547	3 681	9 072	9 961	8 776	5 988	2 068
1962	41 931	2 432	1 041	1 391	39 499	3 726	8 846	10 029	8 820	5 995	2 082
1963	42 404	2 563	1 183	1 380	39 841	3 955	8 805	10 079	8 944	6 090	1 967
1964	42 894	2 716	1 345	1 371	40 178	4 166	8 800	10 055	9 053	6 161	1 942
1965	43 400	2 999	1 359	1 639	40 401	4 279	8 824	10 023	9 130	6 188	1 959
1966	43 572	3 253	1 423	1 830	40 319	4 200	8 859	9 892	9 189	6 250	1 928
1967	44 041	3 191	1 464	1 727	40 851	4 416	9 102	9 785	9 260	6 348	1 944
1968	44 553	3 236	1 504	1 732	41 318	4 432	9 477	9 662	9 340	6 427	1 981
1969	45 185	3 413	1 583	1 830	41 772	4 615	9 773	9 509	9 413	6 467	1 996
1970	46 035	3 551	1 629	1 922	42 483	4 988	10 099	9 414	9 487	6 517	1 978
1971	46 904	3 719	1 681	2 039	43 185	5 448	10 444	9 294	9 528	6 550	1 922
1972	48 118	3 980	1 758	2 223	44 138	5 937	11 039	9 278	9 473	6 562	1 846
1973	48 920	4 174	1 875	2 300	44 747	6 274	11 621	9 212	9 445	6 452	1 740
1974	49 843	4 312	1 922	2 391	45 532	6 470	12 135	9 246	9 455	6 464	1 759
1975	50 324	4 290	1 871	2 418	46 034	6 642	12 579	9 231	9 415	6 425	1 742
1976	51 033	4 357	1 869	2 489	46 675	6 890	13 092	9 289	9 310	6 437	1 657
1977	52 033	4 496	1 949	2 548	47 537	7 097	13 575	9 509	9 175	6 492	1 688
1978	52 955	4 565	2 002	2 563	48 390	7 274	13 939	9 858	9 068	6 508	1 744
1979	53 856	4 537	1 974	2 563	49 320	7 421	14 415	10 183	8 968	6 571	1 761
1980	54 473	4 424	1 881	2 543	50 049	7 479	14 893	10 455	8 877	6 618	1 727
1981	54 895	4 224	1 751	2 473	50 671	7 521	15 340	10 740	8 836	6 530	1 704
1982	55 133	3 933	1 602	2 331	51 200	7 438	15 549	11 289	8 727	6 520	1 677
1983	55 480	3 764	1 452	2 312	51 716	7 406	15 707	11 817	8 649	6 446	1 691
1984	56 062	3 609	1 420	2 189	52 453	7 370	16 037	12 348	8 683	6 410	1 606
1985	56 472	3 576	1 467	2 109	52 895	7 122	16 306	12 767	8 730	6 376	1 595
1986	57 217	3 542	1 502	2 040	53 675	6 986	16 769	13 207	8 791	6 260	1 663
1987	57 779	3 547	1 524	2 023	54 232	6 717	16 963	13 674	8 945	6 200	1 733
1988	58 317	3 583	1 487	2 095	54 734	6 468	17 018	14 068	9 285	6 108	1 787
1989	58 988	3 546	1 401	2 146	55 441	6 316	17 077	14 516	9 615	6 082	1 835
1990	59 638	3 522	1 333	2 189	56 116	6 688	16 920	15 026	9 713	5 957	1 811
1991	59 656	3 269	1 266	2 003	56 387	6 619	16 709	15 523	9 926	5 847	1 763
1992	60 168	3 192	1 260	1 932	56 976	6 542	16 512	15 701	10 570	5 821	1 830
1993	60 484	3 200	1 292	1 908	57 284	6 449	16 244	15 971	11 010	5 784	1 825
1994	60 727	3 315	1 403	1 912	57 411	6 294	15 879	16 188	11 327	5 726	1 998
1995	61 146	3 427	1 429	1 998	57 719	6 096	15 669	16 414	11 730	5 809	2 000
1996	61 783	3 444	1 421	2 023	58 340	5 922	15 475	16 728	12 217	5 943	2 054
1997	62 639	3 513	1 440	2 073	59 126	6 029	15 120	17 019	12 710	6 154	2 094
1998	63 034	3 614	1 487	2 127	59 421	6 063	14 770	17 157	13 003	6 415	2 013
1999	63 413	3 666	1 478	2 188	59 747	6 151	14 292	17 201	13 368	6 618	2 117
2000	64 466	3 615	1 422	2 193	60 850	6 244	14 666	16 880	13 977	6 840	2 243
2001	64 966	3 446	1 334	2 112	61 519	6 363	14 536	16 809	14 400	7 169	2 241
2002	65 308	3 241	1 215	2 026	62 067	6 444	14 499	16 583	14 615	7 665	2 261
2003	65 509	3 036	1 193	1 843	62 473	6 479	14 529	16 398	14 708	7 973	2 386

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE WOMEN¹											
1954	17 057	1 512	552	959	15 545	2 098	3 531	4 024	3 345	1 938	607
1955	17 888	1 542	576	966	16 346	2 138	3 546	4 132	3 655	2 156	719
1956	18 694	1 657	654	1 003	17 037	2 158	3 559	4 339	3 886	2 344	749
1957	18 928	1 667	645	1 021	17 261	2 131	3 561	4 398	4 065	2 356	742
1958	19 213	1 641	614	1 028	17 572	2 171	3 498	4 435	4 262	2 454	751
1959	19 555	1 721	698	1 023	17 834	2 135	3 409	4 479	4 467	2 578	767
1960	20 172	1 842	731	1 112	18 330	2 228	3 441	4 531	4 633	2 661	835
1961	20 670	1 923	700	1 222	18 747	2 345	3 431	4 596	4 741	2 785	849
1962	20 819	1 922	668	1 254	18 897	2 438	3 372	4 666	4 731	2 861	830
1963	21 426	1 996	767	1 228	19 430	2 582	3 424	4 780	4 845	2 977	823
1964	22 027	2 068	866	1 201	19 959	2 786	3 435	4 797	4 990	3 078	875
1965	22 737	2 268	862	1 405	20 469	2 910	3 567	4 877	5 032	3 204	880
1966	23 704	2 574	944	1 630	21 130	3 124	3 732	4 893	5 181	3 333	865
1967	24 658	2 558	968	1 591	22 100	3 471	4 021	4 980	5 285	3 469	877
1968	25 423	2 603	1 015	1 588	22 821	3 677	4 263	5 021	5 416	3 541	903
1969	26 593	2 755	1 115	1 640	23 839	3 999	4 516	5 055	5 644	3 665	958
1970	27 521	2 891	1 195	1 695	24 630	4 250	4 797	5 111	5 781	3 738	952
1971	28 060	2 962	1 213	1 748	25 097	4 441	5 001	5 080	5 816	3 801	958
1972	29 157	3 213	1 338	1 875	25 945	4 668	5 544	5 121	5 810	3 839	963
1973	30 231	3 405	1 445	1 960	26 825	4 908	6 143	5 228	5 811	3 788	947
1974	31 437	3 588	1 520	2 068	27 850	5 131	6 727	5 399	5 920	3 777	897
1975	32 508	3 610	1 504	2 107	28 898	5 378	7 318	5 522	5 892	3 862	926
1976	33 735	3 731	1 541	2 189	30 004	5 554	7 898	5 799	5 877	3 935	940
1977	35 108	3 856	1 614	2 243	31 253	5 795	8 523	6 095	5 877	4 003	959
1978	36 679	3 990	1 713	2 276	32 689	6 035	9 128	6 495	5 936	4 094	1 001
1979	38 067	4 011	1 694	2 318	34 056	6 211	9 687	6 940	5 997	4 196	1 024
1980	39 127	3 888	1 605	2 284	35 239	6 290	10 289	7 356	6 079	4 194	1 032
1981	40 157	3 739	1 523	2 216	36 418	6 406	10 868	7 704	6 157	4 235	1 049
1982	41 010	3 585	1 399	2 186	37 425	6 428	11 264	8 202	6 152	4 313	1 065
1983	41 541	3 422	1 314	2 109	38 119	6 410	11 530	8 670	6 149	4 285	1 074
1984	42 431	3 343	1 300	2 043	39 087	6 363	11 922	9 240	6 217	4 292	1 054
1985	43 455	3 265	1 310	1 955	40 190	6 348	12 334	9 824	6 371	4 303	1 010
1986	44 584	3 320	1 393	1 927	41 264	6 191	12 729	10 364	6 588	4 323	1 069
1987	45 510	3 347	1 439	1 908	42 164	6 047	12 993	10 907	6 847	4 297	1 073
1988	46 439	3 358	1 374	1 984	43 081	5 844	13 149	11 291	7 288	4 354	1 156
1989	47 367	3 262	1 284	1 978	44 105	5 625	13 311	11 796	7 663	4 451	1 259
1990	47 809	3 161	1 210	1 951	44 648	5 709	13 254	12 239	7 802	4 333	1 312
1991	48 087	2 976	1 166	1 810	45 111	5 629	13 085	12 689	8 101	4 282	1 324
1992	48 669	2 830	1 128	1 702	45 839	5 645	13 006	12 879	8 630	4 375	1 305
1993	49 216	2 905	1 167	1 739	46 311	5 539	12 783	13 085	9 171	4 430	1 304
1994	50 356	3 042	1 278	1 764	47 314	5 394	12 702	13 439	9 699	4 593	1 487
1995	50 804	3 118	1 320	1 798	47 686	5 170	12 656	13 697	10 074	4 622	1 466
1996	51 325	3 163	1 360	1 803	48 162	5 081	12 426	13 955	10 563	4 706	1 431
1997	52 054	3 207	1 339	1 867	48 847	5 099	12 242	14 153	10 999	4 932	1 422
1998	52 380	3 351	1 373	1 977	49 029	5 180	11 937	14 064	11 279	5 133	1 435
1999	53 096	3 382	1 371	2 010	49 714	5 285	11 685	14 190	11 734	5 342	1 478
2000	54 079	3 339	1 346	1 993	50 740	5 381	11 669	14 088	12 376	5 623	1 602
2001	54 433	3 215	1 292	1 923	51 218	5 519	11 474	13 969	12 662	5 952	1 642
2002	54 842	3 125	1 229	1 895	51 717	5 628	11 409	13 703	12 790	6 482	1 704
2003	55 037	2 937	1 221	1 716	52 099	5 584	11 223	13 390	13 078	6 970	1 852

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK MEN¹											
1972	4 816	453	180	272	4 364	761	1 158	935	824	522	165
1973	4 924	460	175	286	4 464	819	1 217	935	842	499	153
1974	5 020	480	189	291	4 540	798	1 279	953	838	519	152
1975	5 016	447	168	279	4 569	790	1 328	948	833	520	150
1976	5 101	454	168	285	4 648	820	1 383	969	824	504	149
1977	5 263	476	178	299	4 787	856	1 441	1 003	818	515	154
1978	5 435	491	186	306	4 943	883	1 504	1 022	829	540	166
1979	5 559	480	179	301	5 079	928	1 577	1 049	844	524	156
1980	5 612	479	181	298	5 134	935	1 659	1 061	830	509	138
1981	5 685	462	169	293	5 223	940	1 702	1 093	829	524	134
1982	5 804	436	137	300	5 368	964	1 769	1 152	824	525	135
1983	5 966	433	134	300	5 533	997	1 840	1 196	845	536	119
1984	6 126	440	141	299	5 686	1 022	1 924	1 270	847	505	118
1985	6 220	471	162	310	5 749	950	1 937	1 313	879	544	125
1986	6 373	458	164	294	5 915	957	2 029	1 359	901	552	116
1987	6 486	463	179	284	6 023	914	2 074	1 406	915	586	130
1988	6 596	469	186	283	6 127	913	2 114	1 459	936	565	139
1989	6 701	480	190	291	6 221	904	2 157	1 544	945	530	141
1990	6 802	445	161	284	6 357	879	2 142	1 733	988	496	119
1991	6 851	400	140	260	6 451	896	2 111	1 806	1 010	507	122
1992	6 997	429	149	280	6 568	900	2 121	1 859	1 037	521	130
1993	7 019	425	154	270	6 594	875	2 118	1 918	1 065	506	112
1994	7 089	443	176	266	6 646	891	2 068	1 975	1 102	484	125
1995	7 183	453	184	269	6 730	866	2 089	1 987	1 148	490	150
1996	7 264	458	182	276	6 806	848	2 077	2 036	1 204	509	132
1997	7 354	444	178	266	6 910	832	2 052	2 096	1 287	508	134
1998	7 542	488	181	307	7 053	837	2 034	2 142	1 343	548	150
1999	7 652	470	180	291	7 182	835	2 069	2 206	1 387	547	138
2000	7 702	462	181	281	7 240	875	1 999	2 105	1 497	612	151
2001	7 647	447	166	281	7 200	853	1 915	2 073	1 537	645	177
2002	7 794	446	149	297	7 347	906	1 909	2 064	1 623	664	181
2003	7 711	365	138	228	7 346	918	1 872	2 058	1 627	685	186
BLACK WOMEN¹											
1972	3 890	335	113	224	3 555	632	949	800	672	387	116
1973	4 052	373	133	240	3 678	670	1 026	806	670	402	105
1974	4 148	371	128	243	3 777	694	1 079	824	679	398	100
1975	4 247	391	144	245	3 857	687	1 138	827	686	409	108
1976	4 460	384	136	247	4 076	723	1 264	855	694	421	119
1977	4 670	385	127	258	4 286	785	1 357	891	712	429	113
1978	4 997	439	155	283	4 558	856	1 456	953	731	439	124
1979	5 119	432	161	271	4 687	865	1 517	990	740	451	124
1980	5 253	412	144	267	4 841	867	1 600	1 020	767	469	119
1981	5 401	400	139	261	5 001	888	1 663	1 071	779	485	115
1982	5 527	387	131	256	5 140	885	1 723	1 151	786	487	108
1983	5 681	375	114	261	5 306	874	1 835	1 210	785	496	105
1984	5 907	387	127	260	5 520	904	1 876	1 294	823	515	106
1985	6 144	417	149	268	5 727	904	1 951	1 368	862	515	127
1986	6 281	425	157	268	5 855	924	1 999	1 434	892	499	107
1987	6 507	435	157	278	6 071	904	2 073	1 537	924	512	121
1988	6 609	419	158	262	6 190	869	2 112	1 610	958	504	137
1989	6 796	445	163	281	6 352	885	2 138	1 683	1 009	493	144
1990	6 938	421	145	276	6 517	879	2 165	1 833	1 015	481	143
1991	6 946	374	126	248	6 572	854	2 143	1 913	1 032	494	135
1992	7 166	387	135	252	6 778	863	2 188	1 985	1 105	508	129
1993	7 206	383	129	254	6 824	889	2 115	2 042	1 147	506	125
1994	7 413	409	174	235	7 004	909	2 131	2 093	1 206	523	142
1995	7 634	458	182	276	7 175	887	2 177	2 178	1 256	556	121
1996	7 869	464	184	280	7 405	890	2 228	2 251	1 349	565	122
1997	8 175	489	175	314	7 686	951	2 277	2 305	1 437	585	131
1998	8 441	528	189	339	7 912	960	2 298	2 390	1 520	615	128
1999	8 713	489	172	316	8 224	1 031	2 360	2 447	1 606	633	147
2000	8 695	479	175	305	8 215	998	2 282	2 409	1 706	652	168
2001	8 774	451	166	284	8 323	1 025	2 265	2 410	1 762	690	173
2002	8 772	424	148	276	8 348	1 002	2 225	2 394	1 812	743	171
2003	8 815	406	151	255	8 409	973	2 188	2 407	1 879	781	180

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-7. Civilian Labor Force by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
HISPANIC MEN											
1973	2 356	...	...	...	2 124	...	...	...	...	...	...
1974	2 556	...	...	...	2 306	...	...	...	...	...	...
1975	2 597	...	...	...	2 343	...	...	...	...	...	...
1976	2 580	260	104	155	2 326	433	771	541	398	189	34
1977	2 817	285	105	179	2 530	485	828	567	416	197	42
1978	3 041	299	129	171	2 742	546	882	620	425	217	52
1979	3 184	315	121	194	2 869	562	941	648	445	216	56
1980	3 818	392	147	245	3 426	697	1 161	713	522	270	62
1981	4 005	359	130	229	3 647	747	1 269	756	535	278	61
1982	4 148	333	111	221	3 815	759	1 361	808	539	290	58
1983	4 362	348	109	239	4 014	789	1 447	852	557	311	58
1984	4 563	345	113	232	4 218	822	1 540	910	570	325	51
1985	4 729	334	116	218	4 395	835	1 629	957	591	331	53
1986	4 948	336	114	222	4 612	888	1 669	1 015	661	323	56
1987	5 163	345	112	233	4 818	865	1 801	1 121	652	325	55
1988	5 409	378	123	255	5 031	897	1 834	1 189	686	355	69
1989	5 595	400	129	271	5 195	909	1 899	1 221	719	375	71
1990	6 546	512	165	346	6 034	1 182	2 230	1 403	775	380	65
1991	6 664	466	141	325	6 198	1 202	2 260	1 487	780	401	67
1992	6 900	468	154	314	6 432	1 141	2 366	1 593	844	414	74
1993	7 076	455	145	310	6 621	1 147	2 417	1 675	900	394	88
1994	7 210	463	163	300	6 747	1 184	2 430	1 713	922	410	89
1995	7 376	479	168	311	6 898	1 153	2 469	1 795	965	417	98
1996	7 646	496	156	340	7 150	1 132	2 510	1 966	967	469	105
1997	8 309	531	177	354	7 779	1 267	2 684	2 091	1 112	511	113
1998	8 571	565	188	377	8 005	1 288	2 733	2 173	1 164	541	106
1999	8 546	596	181	415	7 950	1 231	2 633	2 219	1 205	526	136
2000	9 923	676	204	471	9 247	1 590	3 181	2 451	1 337	555	134
2001	10 279	684	200	484	9 595	1 602	3 294	2 562	1 430	582	125
2002	10 609	632	183	449	9 977	1 627	3 484	2 647	1 478	607	134
2003	11 288	532	164	368	10 756	1 642	3 776	2 877	1 630	680	150
HISPANIC WOMEN											
1973	1 317	...	...	...	1 142	...	...	...	...	...	...
1974	1 456	...	...	...	1 264	...	...	...	...	...	...
1975	1 574	...	...	...	1 384	...	...	...	...	...	...
1976	1 625	201	71	130	1 454	295	479	334	227	105	13
1977	1 720	204	80	125	1 523	327	497	349	240	96	13
1978	1 938	233	93	142	1 704	354	564	388	275	106	16
1979	2 035	235	86	149	1 800	397	590	413	258	124	15
1980	2 328	252	93	159	2 076	439	682	450	337	144	22
1981	2 486	244	85	159	2 242	484	745	483	351	152	27
1982	2 586	252	81	172	2 333	492	802	504	352	155	28
1983	2 671	242	80	162	2 429	493	820	529	374	184	29
1984	2 888	273	96	177	2 615	503	896	599	384	199	34
1985	2 970	245	84	161	2 725	524	943	639	394	196	29
1986	3 128	236	89	147	2 893	526	1 016	698	436	189	28
1987	3 377	265	94	171	3 112	559	1 090	783	434	220	27
1988	3 573	293	111	182	3 281	589	1 123	806	461	267	34
1989	3 728	280	95	185	3 448	574	1 219	871	486	251	49
1990	4 174	318	110	207	3 857	657	1 360	983	545	268	45
1991	4 256	315	107	207	3 941	633	1 336	1 052	596	279	44
1992	4 439	328	110	219	4 110	674	1 374	1 142	599	273	48
1993	4 534	316	101	215	4 218	664	1 383	1 190	633	290	57
1994	4 765	345	122	222	4 421	679	1 435	1 252	704	288	62
1995	4 891	371	123	249	4 520	666	1 473	1 318	706	303	54
1996	5 128	349	128	221	4 779	713	1 544	1 395	729	338	61
1997	5 486	381	138	242	5 106	737	1 614	1 510	833	338	73
1998	5 746	442	132	310	5 304	789	1 639	1 533	927	353	62
1999	6 119	453	151	302	5 666	821	1 698	1 710	973	401	63
2000	6 767	492	164	328	6 275	956	2 016	1 791	1 051	386	75
2001	7 049	492	152	340	6 557	1 014	2 086	1 815	1 153	418	70
2002	7 334	471	152	320	6 863	1 051	2 161	1 897	1 179	484	90
2003	7 525	428	158	271	7 096	1 030	2 183	1 990	1 264	520	109

... = Not available.

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
TOTAL									
1948	58.8	52.5	59.4	64.1	63.1	66.7	65.1	56.9	27.0
1949	58.9	52.2	59.5	64.9	63.2	67.2	65.3	56.2	27.3
1950	59.2	51.8	59.9	65.9	63.5	67.5	66.4	56.7	26.7
1951	59.2	52.2	59.8	64.8	64.2	67.6	67.2	56.9	25.8
1952	59.0	51.3	59.7	62.2	64.7	68.0	67.5	57.5	24.8
1953	58.9	50.2	59.6	61.2	64.0	68.9	68.1	58.0	24.8
1954	58.8	48.3	59.6	61.6	64.3	68.8	68.4	58.7	23.9
1955	59.3	48.9	60.1	62.7	64.8	68.9	69.7	59.5	24.1
1956	60.0	50.9	60.7	64.1	64.8	69.5	70.5	60.8	24.3
1957	59.6	49.6	60.4	64.0	64.9	69.5	70.9	60.1	22.9
1958	59.5	47.4	60.5	64.4	65.0	69.6	71.5	60.5	21.8
1959	59.3	46.7	60.4	64.3	65.0	69.5	71.9	61.0	21.1
1960	59.4	47.5	60.5	65.2	65.4	69.4	72.2	60.9	20.8
1961	59.3	46.9	60.5	65.7	65.6	69.5	72.1	61.5	20.1
1962	58.8	46.1	60.0	65.3	65.2	69.7	72.2	61.5	19.1
1963	58.7	45.2	60.1	65.1	65.6	70.1	72.5	62.0	17.9
1964	58.7	44.5	60.2	66.3	65.8	70.0	72.9	61.9	18.0
1965	58.9	45.7	60.3	66.4	66.4	70.7	72.5	61.9	17.8
1966	59.2	48.2	60.5	66.5	67.1	71.0	72.7	62.2	17.2
1967	59.6	48.4	60.9	67.1	68.2	71.6	72.7	62.3	17.2
1968	59.6	48.3	60.9	67.0	68.6	72.0	72.8	62.2	17.2
1969	60.1	49.4	61.3	68.2	69.1	72.5	73.4	62.1	17.3
1970	60.4	49.9	61.6	69.2	69.7	73.1	73.5	61.8	17.0
1971	60.2	49.7	61.4	69.3	69.9	73.2	73.2	61.3	16.2
1972	60.4	51.9	61.4	70.8	70.9	73.3	72.7	60.0	15.6
1973	60.8	53.7	61.7	72.6	72.3	74.0	72.5	58.4	14.6
1974	61.3	54.8	62.0	74.0	73.6	74.6	72.7	57.8	14.0
1975	61.2	54.0	62.1	73.9	74.4	75.0	72.6	57.2	13.7
1976	61.6	54.5	62.4	74.7	75.7	76.0	72.5	56.6	13.1
1977	62.3	56.0	63.0	75.7	77.0	77.0	72.8	56.3	13.0
1978	63.2	57.8	63.8	76.8	78.3	78.1	73.5	56.3	13.3
1979	63.7	57.9	64.3	77.5	79.2	79.2	74.3	56.2	13.1
1980	63.8	56.7	64.5	77.2	79.9	80.0	74.9	55.7	12.5
1981	63.9	55.4	64.8	77.3	80.5	80.7	75.7	55.0	12.2
1982	64.0	54.1	65.0	77.1	81.0	81.2	75.9	55.1	11.9
1983	64.0	53.5	65.0	77.2	81.3	81.6	76.0	54.5	11.7
1984	64.4	53.9	65.3	77.6	81.8	82.4	76.5	54.2	11.1
1985	64.8	54.5	65.7	78.2	82.5	83.1	77.3	54.2	10.8
1986	65.3	54.7	66.2	78.9	82.9	83.7	78.0	54.0	10.9
1987	65.6	54.7	66.5	78.9	83.3	84.3	78.6	54.4	11.1
1988	65.9	55.3	66.8	78.7	83.3	84.6	79.6	54.6	11.5
1989	66.5	55.9	67.3	78.7	83.8	85.1	80.5	55.5	11.8
1990	66.5	53.7	67.6	77.8	83.6	85.2	80.7	55.9	11.8
1991	66.2	51.6	67.3	76.7	83.2	85.2	81.0	55.5	11.5
1992	66.4	51.3	67.6	77.0	83.7	85.1	81.5	56.2	11.5
1993	66.3	51.5	67.5	77.0	83.3	84.9	81.6	56.4	11.2
1994	66.6	52.7	67.7	77.0	83.2	84.8	81.7	56.8	12.4
1995	66.6	53.5	67.7	76.6	83.8	84.6	81.4	57.2	12.1
1996	66.8	52.3	67.9	76.8	84.1	84.8	82.1	57.9	12.1
1997	67.1	51.6	68.4	77.6	84.4	85.1	82.6	58.9	12.2
1998	67.1	52.8	68.3	77.5	84.6	84.7	82.5	59.3	11.9
1999	67.1	52.0	68.3	77.5	84.6	84.9	82.6	59.3	12.3
2000	67.1	52.0	68.3	77.8	84.6	84.8	82.5	59.2	12.9
2001	66.8	49.6	68.2	77.1	84.0	84.6	82.3	60.4	13.0
2002	66.6	47.4	68.1	76.4	83.7	84.1	82.1	61.9	13.2
2003	66.2	44.5	67.9	75.4	82.9	83.9	82.1	62.4	14.0

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
MEN									
1948	86.6	63.7	88.6	84.6	95.9	97.9	95.8	89.5	46.8
1949	86.4	62.8	88.5	86.6	95.8	97.9	95.6	87.5	47.0
1950	86.4	63.2	88.4	87.9	96.0	97.6	95.8	86.9	45.8
1951	86.3	63.0	88.2	88.4	96.9	97.5	95.9	87.2	44.9
1952	86.3	61.3	88.3	88.1	97.5	97.8	96.2	87.5	42.6
1953	86.0	60.7	88.0	87.7	97.4	98.2	96.5	87.9	41.6
1954	85.5	58.0	87.8	86.9	97.3	98.1	96.5	88.7	40.5
1955	85.4	58.9	87.6	86.9	97.6	98.1	96.4	87.9	39.6
1956	85.5	60.5	87.6	87.8	97.3	97.9	96.6	88.5	40.0
1957	84.8	59.1	86.9	87.1	97.1	97.9	96.3	87.5	37.5
1958	84.2	56.6	86.6	86.9	97.1	97.9	96.3	87.8	35.6
1959	83.7	55.8	86.3	87.8	97.4	97.8	96.0	87.4	34.2
1960	83.3	56.1	86.0	88.1	97.5	97.7	95.7	86.8	33.1
1961	82.9	54.6	85.7	87.8	97.5	97.6	95.6	87.3	31.7
1962	82.0	53.8	84.8	86.9	97.2	97.6	95.6	86.2	30.3
1963	81.4	52.9	84.4	86.1	97.1	97.5	95.7	86.2	28.4
1964	81.0	52.4	84.2	86.1	97.3	97.3	95.7	85.6	28.0
1965	80.7	53.8	83.9	85.8	97.2	97.3	95.6	84.6	27.9
1966	80.4	55.3	83.6	85.1	97.3	97.2	95.3	84.5	27.1
1967	80.4	55.6	83.4	84.4	97.2	97.3	95.2	84.4	27.1
1968	80.1	55.1	83.1	82.8	96.9	97.1	94.9	84.3	27.3
1969	79.8	55.9	82.8	82.8	96.7	96.9	94.6	83.4	27.2
1970	79.7	56.1	82.6	83.3	96.4	96.9	94.3	83.0	26.8
1971	79.1	56.1	82.1	83.0	95.9	96.5	93.9	82.1	25.5
1972	78.9	58.1	81.6	83.9	95.7	96.4	93.2	80.4	24.3
1973	78.8	59.7	81.3	85.2	95.7	96.2	93.0	78.2	22.7
1974	78.7	60.7	81.0	85.9	95.8	96.0	92.2	77.3	22.4
1975	77.9	59.1	80.3	84.5	95.2	95.6	92.1	75.6	21.6
1976	77.5	59.3	79.8	85.2	95.2	95.4	91.6	74.3	20.2
1977	77.7	60.9	79.7	85.6	95.3	95.7	91.1	73.8	20.0
1978	77.9	62.0	79.8	85.9	95.3	95.7	91.3	73.3	20.4
1979	77.8	61.5	79.8	86.4	95.3	95.7	91.4	72.8	19.9
1980	77.4	60.5	79.4	85.9	95.2	95.5	91.2	72.1	19.0
1981	77.0	59.0	79.0	85.5	94.9	95.4	91.4	70.6	18.4
1982	76.6	56.7	78.7	84.9	94.7	95.3	91.2	70.2	17.8
1983	76.4	56.2	78.5	84.8	94.2	95.2	91.2	69.4	17.4
1984	76.4	56.0	78.3	85.0	94.4	95.4	91.2	68.5	16.3
1985	76.3	56.8	78.1	85.0	94.7	95.0	91.0	67.9	15.8
1986	76.3	56.4	78.1	85.8	94.6	94.8	91.0	67.3	16.0
1987	76.2	56.1	78.0	85.2	94.6	94.6	90.7	67.6	16.3
1988	76.2	56.9	77.9	85.0	94.3	94.5	90.9	67.0	16.5
1989	76.4	57.9	78.1	85.3	94.4	94.5	91.1	67.2	16.6
1990	76.4	55.7	78.2	84.4	94.1	94.3	90.7	67.8	16.3
1991	75.8	53.2	77.7	83.5	93.6	94.1	90.5	67.0	15.7
1992	75.8	53.4	77.7	83.3	93.8	93.7	90.7	67.0	16.1
1993	75.4	53.2	77.3	83.2	93.4	93.4	90.1	66.5	15.6
1994	75.1	54.1	76.8	83.1	92.6	92.8	89.1	65.5	16.8
1995	75.0	54.8	76.7	83.1	93.0	92.3	88.8	66.0	16.8
1996	74.9	53.2	76.8	82.5	93.2	92.4	89.1	67.0	16.9
1997	75.0	52.3	77.0	82.5	93.0	92.6	89.5	67.6	17.1
1998	74.9	53.3	76.8	82.0	93.2	92.6	89.2	68.1	16.5
1999	74.7	52.9	76.7	81.9	93.3	92.8	88.8	67.9	16.9
2000	74.8	52.8	76.7	82.6	93.4	92.7	88.6	67.3	17.7
2001	74.4	50.2	76.5	81.6	92.7	92.5	88.5	68.3	17.7
2002	74.1	47.5	76.3	80.7	92.4	92.1	88.5	69.2	17.9
2003	73.5	44.3	75.9	80.0	91.8	92.1	87.7	68.7	18.6

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WOMEN									
1948	32.7	42.0	31.8	45.3	33.2	36.9	35.0	24.3	9.1
1949	33.1	42.4	32.3	45.0	33.4	38.1	35.9	25.3	9.6
1950	33.9	41.0	33.3	46.0	34.0	39.1	37.9	27.0	9.7
1951	34.6	42.4	34.0	46.5	35.4	39.8	39.7	27.6	8.9
1952	34.7	42.2	34.1	44.7	35.4	40.4	40.1	28.7	9.1
1953	34.4	40.7	33.9	44.3	34.0	41.3	40.4	29.1	10.0
1954	34.6	39.4	34.2	45.1	34.4	41.2	41.2	30.0	9.3
1955	35.7	39.7	35.4	45.9	34.9	41.6	43.8	32.5	10.6
1956	36.9	42.2	36.4	46.3	35.4	43.1	45.5	34.9	10.8
1957	36.9	41.1	36.5	45.9	35.6	43.3	46.5	34.5	10.5
1958	37.1	39.0	36.9	46.3	35.6	43.4	47.8	35.2	10.3
1959	37.1	38.2	37.1	45.1	35.3	43.4	49.0	36.6	10.2
1960	37.7	39.3	37.6	46.1	36.0	43.4	49.9	37.2	10.8
1961	38.1	39.7	38.0	47.0	36.4	43.8	50.1	37.9	10.7
1962	37.9	39.0	37.8	47.3	36.3	44.1	50.0	38.7	10.0
1963	38.3	38.0	38.3	47.5	37.2	44.9	50.6	39.7	9.6
1964	38.7	37.0	38.9	49.4	37.2	45.0	51.4	40.2	10.1
1965	39.3	38.0	39.4	49.9	38.5	46.1	50.9	41.1	10.0
1966	40.3	41.4	40.1	51.5	39.8	46.8	51.7	41.8	9.6
1967	41.1	41.6	41.1	53.3	41.9	48.1	51.8	42.4	9.6
1968	41.6	41.9	41.6	54.5	42.6	48.9	52.3	42.4	9.6
1969	42.7	43.2	42.7	56.7	43.7	49.9	53.8	43.1	9.9
1970	43.3	44.0	43.3	57.7	45.0	51.1	54.4	43.0	9.7
1971	43.4	43.4	43.3	57.7	45.6	51.6	54.3	42.9	9.5
1972	43.9	45.8	43.7	59.1	47.8	52.0	53.9	42.1	9.3
1973	44.7	47.8	44.4	61.1	50.4	53.3	53.7	41.1	8.9
1974	45.7	49.1	45.3	63.1	52.6	54.7	54.6	40.7	8.1
1975	46.3	49.1	46.0	64.1	54.9	55.8	54.6	40.9	8.2
1976	47.3	49.8	47.0	65.0	57.3	57.8	55.0	41.0	8.2
1977	48.4	51.2	48.1	66.5	59.7	59.6	55.8	40.9	8.1
1978	50.0	53.7	49.6	68.3	62.2	61.6	57.1	41.3	8.3
1979	50.9	54.2	50.6	69.0	63.9	63.6	58.3	41.7	8.3
1980	51.5	52.9	51.3	68.9	65.5	65.5	59.9	41.3	8.1
1981	52.1	51.8	52.1	69.6	66.7	66.8	61.1	41.4	8.0
1982	52.6	51.4	52.7	69.8	68.0	68.0	61.6	41.8	7.9
1983	52.9	50.8	53.1	69.9	69.0	68.7	61.9	41.5	7.8
1984	53.6	51.8	53.7	70.4	69.8	70.1	62.9	41.7	7.5
1985	54.5	52.1	54.7	71.8	70.9	71.8	64.4	42.0	7.3
1986	55.3	53.0	55.5	72.4	71.6	73.1	65.9	42.3	7.4
1987	56.0	53.3	56.2	73.0	72.4	74.5	67.1	42.7	7.4
1988	56.6	53.6	56.8	72.7	72.7	75.2	69.0	43.5	7.9
1989	57.4	53.9	57.7	72.4	73.5	76.0	70.5	45.0	8.4
1990	57.5	51.6	58.0	71.3	73.5	76.4	71.2	45.2	8.6
1991	57.4	50.0	57.9	70.1	73.1	76.5	72.0	45.2	8.5
1992	57.8	49.1	58.5	70.9	73.9	76.7	72.6	46.5	8.3
1993	57.9	49.7	58.5	70.9	73.4	76.6	73.5	47.2	8.1
1994	58.8	51.3	59.3	71.0	74.0	77.1	74.6	48.9	9.2
1995	58.9	52.2	59.4	70.3	74.9	77.2	74.4	49.2	8.8
1996	59.3	51.3	59.9	71.3	75.2	77.5	75.4	49.6	8.6
1997	59.8	51.0	60.5	72.7	76.0	77.7	76.0	50.9	8.6
1998	59.8	52.3	60.4	73.0	76.3	77.1	76.2	51.2	8.6
1999	60.0	51.0	60.7	73.2	76.4	77.2	76.7	51.5	8.9
2000	59.9	51.2	60.6	73.1	76.1	77.2	76.8	51.9	9.4
2001	59.8	49.0	60.6	72.7	75.5	77.1	76.4	53.2	9.6
2002	59.6	47.3	60.5	72.1	75.1	76.4	76.0	55.2	9.8
2003	59.5	44.8	60.6	70.8	74.1	76.0	76.8	56.6	10.6

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE¹									
1954	58.2	48.8	58.9	61.0	63.5	68.0	67.9	58.4	23.7
1955	58.7	49.3	59.5	62.4	64.0	68.3	69.2	59.3	23.9
1956	59.4	51.3	60.1	64.1	64.0	68.9	70.1	60.6	24.2
1957	59.1	50.3	59.8	63.7	64.1	68.8	70.5	59.9	22.8
1958	58.9	47.9	59.8	64.1	64.2	68.8	71.0	60.3	21.7
1959	58.7	47.4	59.7	63.7	64.3	68.7	71.5	60.7	21.0
1960	58.8	47.9	59.8	64.8	64.7	68.6	71.7	60.6	20.8
1961	58.8	47.4	59.9	65.5	64.8	68.8	71.7	61.3	20.0
1962	58.3	46.6	59.4	65.0	64.4	69.0	71.8	61.3	19.0
1963	58.2	45.7	59.4	64.9	64.8	69.4	72.3	61.8	17.9
1964	58.2	45.1	59.6	65.8	64.9	69.5	72.5	61.8	17.8
1965	58.4	46.5	59.7	65.7	65.6	70.1	72.2	61.7	17.7
1966	58.7	49.1	59.8	66.0	66.3	70.4	72.5	61.9	17.1
1967	59.2	49.2	60.3	66.8	67.4	71.2	72.5	62.3	17.0
1968	59.3	49.3	60.4	66.6	67.9	71.7	72.7	62.2	17.1
1969	59.9	50.6	60.9	67.9	68.4	72.3	73.3	62.1	17.2
1970	60.2	51.4	61.2	69.2	69.1	72.9	73.5	61.8	16.8
1971	60.1	51.6	61.1	69.6	69.3	73.0	73.4	61.3	16.1
1972	60.4	54.1	61.2	71.2	70.4	73.2	72.9	60.3	15.4
1973	60.8	56.0	61.4	73.3	72.0	73.9	72.7	58.6	14.4
1974	61.4	57.3	61.9	74.8	73.4	74.6	73.0	58.0	13.9
1975	61.5	56.7	62.0	75.2	74.4	75.1	73.0	57.4	13.6
1976	61.8	57.5	62.3	76.0	75.6	76.1	73.0	56.9	13.0
1977	62.5	59.3	62.9	77.1	77.0	77.1	73.2	56.6	12.9
1978	63.3	60.8	63.6	78.1	78.3	78.1	73.8	56.4	13.1
1979	63.9	61.1	64.2	78.9	79.4	79.3	74.6	56.5	12.9
1980	64.1	60.0	64.5	78.7	80.2	80.3	75.4	56.0	12.5
1981	64.3	58.9	64.8	79.1	81.0	81.0	76.2	55.2	12.2
1982	64.3	57.5	65.0	78.9	81.6	81.5	76.4	55.3	12.0
1983	64.3	56.9	65.0	79.0	81.8	81.9	76.5	54.7	11.8
1984	64.6	57.2	65.3	79.4	82.5	82.6	77.0	54.5	11.1
1985	65.0	57.5	65.7	79.9	83.1	83.4	77.8	54.4	10.7
1986	65.5	57.8	66.1	80.6	83.6	84.0	78.5	54.3	11.0
1987	65.8	57.7	66.5	80.7	84.0	84.7	79.1	54.6	11.1
1988	66.2	58.6	66.8	80.6	84.1	85.0	80.3	55.1	11.4
1989	66.7	59.1	67.3	80.2	84.5	85.5	81.2	56.2	11.8
1990	66.9	57.5	67.6	79.8	84.6	85.9	81.3	56.5	11.9
1991	66.6	55.8	67.4	78.9	84.3	85.9	81.8	56.0	11.6
1992	66.8	54.7	67.7	79.4	84.6	85.8	82.2	56.8	11.6
1993	66.8	55.1	67.6	79.5	84.5	85.7	82.5	57.1	11.4
1994	67.1	56.4	67.9	79.5	84.4	85.7	82.7	57.6	12.5
1995	67.1	57.1	67.8	78.7	84.9	85.5	82.5	58.0	12.3
1996	67.2	55.9	68.1	79.1	84.9	85.7	83.1	58.7	12.3
1997	67.5	55.2	68.4	79.6	85.3	85.8	83.5	59.9	12.3
1998	67.3	56.0	68.2	79.5	85.4	85.3	83.4	60.1	12.0
1999	67.3	55.5	68.2	79.5	85.1	85.4	83.5	60.2	12.5
2000	67.3	55.5	68.2	79.9	85.1	85.4	83.5	60.0	13.0
2001	67.0	53.1	68.1	79.2	84.5	85.2	83.3	61.2	13.0
2002	66.8	50.5	68.1	78.6	84.5	84.7	83.0	62.8	13.3
2003	66.5	47.7	67.9	77.7	83.6	84.3	83.0	63.3	14.1

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK¹									
1972	59.9	39.1	63.3	68.6	74.9	74.4	70.0	56.9	17.5
1973	60.2	39.8	63.4	69.7	75.7	74.5	70.3	55.9	16.0
1974	59.8	39.8	63.0	69.8	75.8	74.6	69.1	54.7	15.1
1975	58.8	38.2	62.0	66.1	75.6	74.1	69.0	54.3	14.9
1976	59.0	37.0	62.5	66.8	77.4	74.9	68.6	53.4	14.9
1977	59.8	37.9	63.2	68.2	78.3	75.9	69.0	53.7	14.5
1978	61.5	41.0	64.5	69.9	79.6	77.4	70.4	54.8	15.3
1979	61.4	40.1	64.5	70.0	79.2	77.9	71.1	53.5	14.5
1980	61.0	38.9	64.1	69.0	79.5	77.4	71.4	52.6	13.0
1981	60.8	37.7	64.2	69.2	78.5	78.4	71.2	52.8	12.0
1982	61.0	36.6	64.3	68.6	78.7	79.8	71.1	52.3	11.5
1983	61.5	36.4	64.9	68.4	79.8	80.2	72.1	52.5	10.5
1984	62.2	38.3	65.2	69.2	79.3	81.0	73.0	51.6	10.3
1985	62.9	41.2	65.6	70.0	79.8	81.5	73.4	51.4	11.2
1986	63.3	41.3	65.9	71.7	80.1	81.9	74.3	50.6	9.7
1987	63.8	41.6	66.5	70.5	80.7	82.6	74.7	52.4	10.7
1988	63.8	40.8	66.5	70.5	80.8	82.6	75.0	50.6	11.5
1989	64.2	42.5	66.7	72.2	80.9	82.7	75.5	48.3	11.6
1990	64.0	38.7	66.9	68.8	79.7	82.4	76.5	49.6	11.1
1991	63.3	35.4	66.4	67.7	78.5	82.0	76.2	50.4	10.7
1992	63.9	37.9	66.8	67.4	79.7	81.4	76.2	51.6	10.6
1993	63.2	37.0	66.0	67.8	78.3	81.0	75.2	50.2	9.5
1994	63.4	38.5	66.0	68.8	78.3	80.8	74.8	49.3	10.6
1995	63.7	39.9	66.3	68.7	80.0	80.4	74.1	50.3	10.5
1996	64.1	39.2	66.9	69.0	81.1	81.0	74.9	50.9	9.8
1997	64.7	38.7	67.6	70.9	82.0	81.4	76.3	50.5	10.0
1998	65.6	41.6	68.2	70.6	83.0	82.2	76.7	52.3	10.3
1999	65.8	38.7	68.9	71.4	85.2	83.0	76.4	51.4	10.4
2000	65.8	39.4	68.7	71.8	84.1	82.3	76.9	52.5	11.6
2001	65.3	37.6	68.2	69.9	83.6	82.0	75.9	53.9	12.6
2002	64.8	36.0	67.8	68.6	82.4	81.6	76.1	54.7	12.5
2003	64.3	32.4	67.6	68.2	81.6	82.9	75.8	54.4	12.9
HISPANIC									
1973	60.2	46.9	...	...	...	...	...	...	...
1974	61.1	47.7	...	...	...	...	...	...	...
1975	60.8	46.2	...	...	...	...	...	...	...
1976	60.8	46.9	62.9	...	...	...	...	...	...
1977	61.6	48.2	63.7	...	...	...	...	...	...
1978	62.9	49.6	65.0	...	...	...	...	...	...
1979	63.6	50.3	65.6	...	...	...	...	...	...
1980	64.0	50.3	66.2	...	...	...	...	...	...
1981	64.1	46.4	66.8	...	...	...	...	...	...
1982	63.6	44.8	66.3	...	...	...	...	...	...
1983	63.8	45.3	66.2	...	...	...	...	...	...
1984	64.9	47.5	67.1	...	...	...	...	...	...
1985	64.6	44.6	67.1	...	...	...	...	...	...
1986	65.4	43.9	68.0	...	...	...	...	...	...
1987	66.4	45.8	68.8	...	...	...	...	...	...
1988	67.4	49.6	69.4	...	...	...	...	...	...
1989	67.6	48.6	69.7	...	...	...	...	...	...
1990	67.4	47.8	69.8	...	...	...	...	...	...
1991	66.5	45.1	69.0	...	...	...	...	...	...
1992	66.8	45.8	69.2	...	...	...	...	...	...
1993	66.2	43.9	68.7	...	...	...	...	...	...
1994	66.1	44.4	68.5	74.0	77.3	78.9	73.1	49.8	10.7
1995	65.8	45.4	68.1	71.9	78.1	78.5	72.8	48.6	10.5
1996	66.5	43.4	69.1	73.1	78.2	79.5	74.6	52.2	11.0
1997	67.9	43.0	70.8	76.4	79.5	80.9	75.4	53.8	11.9
1998	67.9	45.7	70.6	76.1	80.3	80.0	75.3	55.4	10.1
1999	67.7	45.5	70.4	76.0	78.6	81.3	75.9	54.1	11.6
2000	69.7	46.3	72.5	78.2	80.4	81.7	78.0	54.2	12.3
2001	69.5	46.9	72.0	76.6	80.0	81.9	77.4	55.1	10.9
2002	69.1	44.0	71.8	76.3	80.5	81.1	76.1	55.8	11.9
2003	68.3	37.7	71.4	75.6	79.4	81.1	75.3	57.4	12.8

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE MEN¹									
1954	85.6	57.6	87.8	86.3	97.5	98.2	96.8	89.1	40.4
1955	85.4	58.6	87.5	86.5	97.8	98.2	96.7	88.4	39.6
1956	85.6	60.4	87.6	87.6	97.4	98.1	96.8	88.9	40.0
1957	84.8	59.2	86.9	86.6	97.2	98.0	96.7	88.0	37.7
1958	84.3	56.5	86.6	86.7	97.2	98.0	96.6	88.2	35.7
1959	83.8	55.9	86.3	87.3	97.5	98.0	96.3	87.9	34.3
1960	83.4	55.9	86.0	87.8	97.7	97.9	96.1	87.2	33.3
1961	83.0	54.5	85.7	87.6	97.7	97.9	95.9	87.8	31.9
1962	82.1	53.8	84.9	86.5	97.4	97.9	96.0	86.7	30.6
1963	81.5	53.1	84.4	85.8	97.4	97.8	96.2	86.6	28.4
1964	81.1	52.7	84.2	85.7	97.5	97.6	96.1	86.1	27.9
1965	80.8	54.1	83.9	85.3	97.4	97.7	95.9	85.2	27.9
1966	80.6	55.9	83.6	84.4	97.5	97.6	95.8	84.9	27.2
1967	80.6	56.3	83.5	84.0	97.5	97.7	95.6	84.9	27.1
1968	80.4	55.9	83.2	82.4	97.2	97.6	95.4	84.7	27.4
1969	80.2	56.8	83.0	82.6	97.0	97.4	95.1	83.9	27.3
1970	80.0	57.5	82.8	83.3	96.7	97.3	94.9	83.3	26.7
1971	79.6	57.9	82.3	83.2	96.3	97.0	94.7	82.6	25.6
1972	79.6	60.1	82.0	84.3	96.0	97.0	94.0	81.1	24.4
1973	79.4	62.0	81.6	85.8	96.2	96.8	93.5	78.9	22.7
1974	79.4	62.9	81.4	86.6	96.3	96.7	93.0	78.0	22.4
1975	78.7	61.9	80.7	85.5	95.8	96.4	92.9	76.4	21.7
1976	78.4	62.3	80.3	86.3	95.9	96.0	92.5	75.2	20.2
1977	78.5	64.0	80.2	86.8	96.0	96.2	92.1	74.6	20.0
1978	78.6	65.0	80.1	87.3	95.9	96.3	92.1	73.7	20.3
1979	78.6	64.8	80.1	87.6	96.0	96.4	92.2	73.4	20.0
1980	78.2	63.7	79.8	87.2	95.9	96.2	92.1	73.1	19.1
1981	77.9	62.4	79.5	87.0	95.8	96.1	92.4	71.5	18.5
1982	77.4	60.0	79.2	86.3	95.6	96.0	92.2	71.0	17.9
1983	77.1	59.4	78.9	86.1	95.2	96.0	91.9	70.0	17.7
1984	77.1	59.0	78.7	86.5	95.4	96.1	92.0	69.5	16.4
1985	77.0	59.7	78.5	86.4	95.7	95.7	92.0	68.8	15.9
1986	76.9	59.3	78.5	87.3	95.5	95.4	91.8	68.0	16.3
1987	76.8	59.0	78.4	86.9	95.5	95.4	91.6	68.1	16.5
1988	76.9	60.0	78.3	86.6	95.2	95.4	91.8	67.9	16.7
1989	77.1	61.0	78.5	86.8	95.4	95.3	92.2	68.3	16.8
1990	77.1	59.6	78.5	86.2	95.2	95.3	91.7	68.6	16.6
1991	76.5	57.3	78.0	85.4	94.9	95.0	91.4	67.7	15.9
1992	76.5	56.9	78.0	85.2	94.9	94.7	91.8	67.7	16.2
1993	76.2	56.6	77.7	85.5	94.7	94.5	91.3	67.3	15.9
1994	75.9	57.7	77.3	85.5	93.9	93.9	90.3	66.4	17.2
1995	75.7	58.5	77.1	85.1	94.1	93.4	90.0	67.1	16.9
1996	75.8	57.1	77.3	85.0	94.4	93.6	90.4	68.0	17.2
1997	75.9	56.1	77.5	85.1	94.2	93.7	90.6	68.9	17.4
1998	75.6	56.6	77.2	84.6	94.4	93.7	90.3	69.1	16.6
1999	75.6	56.4	77.2	84.9	94.3	93.8	90.1	69.1	17.2
2000	75.5	56.5	77.1	85.2	94.5	93.8	89.7	68.2	17.9
2001	75.1	53.7	76.9	84.1	93.9	93.6	89.7	69.1	17.8
2002	74.8	50.3	76.7	83.2	93.7	93.2	89.6	70.2	17.8
2003	74.2	47.5	76.3	82.5	93.3	93.1	88.8	69.7	18.6

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE WOMEN¹									
1954	33.3	40.6	32.7	44.4	32.5	39.3	39.8	29.1	9.1
1955	34.5	40.7	34.0	45.8	32.8	40.0	42.7	31.8	10.5
1956	35.7	43.1	35.1	46.5	33.2	41.5	44.4	34.0	10.6
1957	35.7	42.2	35.2	45.8	33.6	41.5	45.4	33.7	10.2
1958	35.8	40.1	35.5	46.0	33.6	41.4	46.5	34.5	10.1
1959	36.0	39.6	35.6	44.5	33.4	41.4	47.8	35.7	10.0
1960	36.5	40.3	36.2	45.7	34.1	41.5	48.6	36.2	10.6
1961	36.9	40.6	36.6	46.9	34.3	41.8	48.9	37.2	10.5
1962	36.7	39.8	36.5	47.1	34.1	42.2	48.9	38.0	9.8
1963	37.2	38.7	37.0	47.3	34.8	43.1	49.5	38.9	9.4
1964	37.5	37.8	37.5	48.8	35.0	43.3	50.2	39.4	9.9
1965	38.1	39.2	38.0	49.2	36.3	44.4	49.9	40.3	9.7
1966	39.2	42.6	38.8	51.0	37.7	45.0	50.6	41.1	9.4
1967	40.1	42.5	39.8	53.1	39.7	46.4	50.9	41.9	9.3
1968	40.7	43.0	40.4	54.0	40.6	47.5	51.5	42.0	9.4
1969	41.8	44.6	41.5	56.4	41.7	48.6	53.0	42.6	9.7
1970	42.6	45.6	42.2	57.7	43.2	49.9	53.7	42.6	9.5
1971	42.6	45.4	42.3	58.0	43.7	50.2	53.6	42.5	9.3
1972	43.2	48.1	42.7	59.4	46.0	50.7	53.4	41.9	9.0
1973	44.1	50.1	43.5	61.7	48.7	52.2	53.4	40.7	8.7
1974	45.2	51.7	44.4	63.9	51.3	53.6	54.3	40.4	8.0
1975	45.9	51.5	45.3	65.5	53.8	54.9	54.3	40.6	8.0
1976	46.9	52.8	46.2	66.3	56.0	57.1	54.7	40.7	7.9
1977	48.0	54.5	47.3	67.8	58.5	58.9	55.3	40.7	7.9
1978	49.4	56.7	48.7	69.3	61.2	60.7	56.7	41.1	8.1
1979	50.5	57.4	49.8	70.5	63.1	63.0	58.1	41.5	8.1
1980	51.2	56.2	50.6	70.6	64.8	65.0	59.6	40.9	7.9
1981	51.9	55.4	51.5	71.5	66.4	66.4	60.9	40.9	7.9
1982	52.4	55.0	52.2	71.8	67.8	67.5	61.4	41.5	7.8
1983	52.7	54.5	52.5	72.1	68.7	68.2	61.9	41.1	7.8
1984	53.3	55.4	53.1	72.5	69.8	69.6	62.7	41.2	7.5
1985	54.1	55.2	54.0	73.8	70.9	71.4	64.2	41.5	7.0
1986	55.0	56.3	54.9	74.1	71.8	72.9	65.8	42.1	7.3
1987	55.7	56.5	55.6	74.8	72.5	74.2	67.2	42.4	7.2
1988	56.4	57.2	56.3	74.9	73.0	74.9	69.2	43.6	7.7
1989	57.2	57.1	57.2	74.0	73.8	75.9	70.6	45.2	8.2
1990	57.4	55.3	57.6	73.4	74.1	76.6	71.3	45.5	8.5
1991	57.4	54.1	57.6	72.5	73.8	76.8	72.4	45.4	8.5
1992	57.7	52.5	58.1	73.5	74.4	77.0	72.8	46.8	8.2
1993	58.0	53.5	58.3	73.4	74.3	76.9	74.0	47.6	8.1
1994	58.9	55.1	59.2	73.4	74.9	77.5	75.2	49.4	9.2
1995	59.0	55.5	59.2	72.3	75.8	77.6	75.2	49.5	9.0
1996	59.1	54.7	59.4	73.3	75.5	77.8	76.1	50.1	8.7
1997	59.5	54.1	59.9	73.9	76.3	77.9	76.6	51.5	8.6
1998	59.4	55.4	59.7	74.3	76.3	76.9	76.6	51.6	8.7
1999	59.6	54.5	59.9	73.9	76.0	77.1	77.1	52.0	8.9
2000	59.5	54.5	59.9	74.5	75.7	77.2	77.5	52.4	9.4
2001	59.4	52.4	59.9	74.2	75.1	77.0	77.1	53.8	9.6
2002	59.3	50.8	60.0	74.0	75.0	76.3	76.6	55.8	9.9
2003	59.2	47.9	59.9	72.7	73.7	75.5	77.3	57.4	10.8

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK MEN¹									
1972	73.6	46.3	78.5	82.7	92.7	91.1	85.4	72.5	24.2
1973	73.4	45.7	78.4	83.7	91.8	91.0	87.4	69.5	22.3
1974	72.9	46.7	77.6	83.6	92.8	90.4	84.0	68.9	21.6
1975	70.9	42.6	76.0	78.7	91.6	89.4	83.5	67.7	20.7
1976	70.0	41.3	75.4	79.0	90.9	89.9	82.4	65.1	19.8
1977	70.6	43.2	75.6	79.2	90.7	91.0	82.0	65.5	20.0
1978	71.5	44.9	76.2	78.8	90.9	90.5	83.2	67.9	21.1
1979	71.3	43.6	76.3	80.7	90.8	90.4	84.5	64.8	19.5
1980	70.3	43.2	75.1	79.9	90.9	89.1	83.0	61.9	16.9
1981	70.0	41.6	74.5	79.2	88.9	89.3	82.7	62.1	16.0
1982	70.1	39.8	74.7	78.7	89.2	89.8	82.2	61.9	15.9
1983	70.6	39.9	75.2	79.4	89.0	89.7	84.5	62.6	14.0
1984	70.8	41.7	74.8	79.1	88.9	90.0	83.7	58.9	13.7
1985	70.8	44.6	74.4	79.0	88.8	89.8	83.0	58.9	13.9
1986	71.2	43.7	74.8	80.1	89.6	89.6	84.1	59.1	12.6
1987	71.1	43.6	74.7	77.8	89.4	88.6	83.7	62.1	13.7
1988	71.0	43.8	74.6	79.3	89.3	88.2	83.5	59.4	14.3
1989	71.0	44.6	74.4	80.2	89.7	88.7	82.5	55.5	14.3
1990	71.0	40.7	75.0	76.8	88.8	88.1	83.5	58.0	13.0
1991	70.4	37.3	74.6	76.7	87.3	87.7	83.4	58.7	13.0
1992	70.7	40.6	74.3	75.4	88.0	86.5	81.8	60.0	13.7
1993	69.6	39.5	73.2	74.1	87.3	86.1	80.0	57.9	11.6
1994	69.1	40.8	72.5	73.9	86.2	85.9	79.1	54.5	12.7
1995	69.0	40.1	72.5	74.6	87.5	84.1	78.5	54.4	14.9
1996	68.7	39.5	72.3	73.4	87.5	84.4	78.5	55.6	12.9
1997	68.3	37.4	72.2	72.1	86.8	84.8	80.1	54.3	12.9
1998	69.0	40.7	72.5	71.8	87.1	85.0	79.9	57.3	14.0
1999	68.7	38.6	72.4	69.8	89.2	86.0	78.5	55.5	12.7
2000	69.2	39.2	72.8	73.3	87.8	85.2	79.2	57.4	14.4
2001	68.4	37.9	72.1	69.7	86.6	84.9	78.4	58.9	16.7
2002	68.4	37.3	72.1	70.7	85.9	84.7	79.5	58.4	16.9
2003	67.3	31.1	71.5	71.1	84.7	85.7	77.7	57.6	17.0
BLACK WOMEN¹									
1972	48.7	32.2	51.2	57.0	60.8	61.4	57.2	44.0	...
1973	49.3	34.2	51.6	58.0	62.7	61.7	56.1	44.7	...
1974	49.0	33.4	51.4	58.8	62.4	62.2	56.4	42.8	...
1975	48.8	34.2	51.1	55.9	62.8	62.0	56.6	43.1	...
1976	49.8	32.9	52.5	56.9	66.7	63.0	56.8	43.7	...
1977	50.8	32.9	53.6	59.3	68.5	64.1	57.9	43.7	...
1978	53.1	37.3	55.5	62.7	70.6	67.2	59.4	43.8	...
1979	53.1	36.8	55.4	61.5	70.1	68.0	59.6	44.0	...
1980	53.1	34.9	55.6	60.2	70.5	68.1	61.4	44.8	...
1981	53.5	34.0	56.0	61.1	70.0	69.8	62.0	45.4	...
1982	53.7	33.5	56.2	60.1	70.2	71.7	62.4	44.8	...
1983	54.2	33.0	56.8	59.1	72.3	72.6	62.3	44.8	...
1984	55.2	35.0	57.6	60.7	71.5	73.7	64.5	46.1	...
1985	56.5	37.9	58.6	62.5	72.4	74.8	65.7	45.3	...
1986	56.9	39.1	58.9	64.6	72.4	75.8	66.5	43.6	...
1987	58.0	39.6	60.0	64.4	73.5	77.8	67.5	44.4	...
1988	58.0	37.9	60.1	63.2	73.7	78.1	68.3	43.4	...
1989	58.7	40.4	60.6	65.5	73.6	78.0	70.0	42.4	...
1990	58.3	36.8	60.6	62.4	72.3	77.7	70.7	43.2	...
1991	57.5	33.5	60.0	60.3	71.4	77.2	70.2	44.1	...
1992	58.5	35.2	60.8	60.8	73.1	77.1	71.7	45.1	...
1993	57.9	34.6	60.2	62.6	70.9	76.8	71.2	44.4	...
1994	58.7	36.3	60.9	64.5	71.9	76.4	71.3	45.3	9.2
1995	59.5	39.8	61.4	63.7	73.9	77.3	70.5	47.2	7.7
1996	60.4	38.9	62.6	65.2	75.9	78.2	72.0	47.2	7.7
1997	61.7	39.9	64.0	69.9	78.1	78.4	73.2	47.6	8.2
1998	62.8	42.5	64.8	69.6	79.6	79.9	74.0	48.5	7.9
1999	63.5	38.8	66.1	72.7	82.1	80.4	74.6	48.4	8.9
2000	63.1	39.6	65.4	70.5	81.1	79.9	74.9	48.6	9.9
2001	62.8	37.3	65.2	70.1	81.2	79.6	73.9	49.9	10.1
2002	61.8	34.7	64.4	66.9	79.7	79.2	73.3	51.8	9.8
2003	61.9	33.7	64.6	65.7	79.1	80.6	74.2	51.9	10.3

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

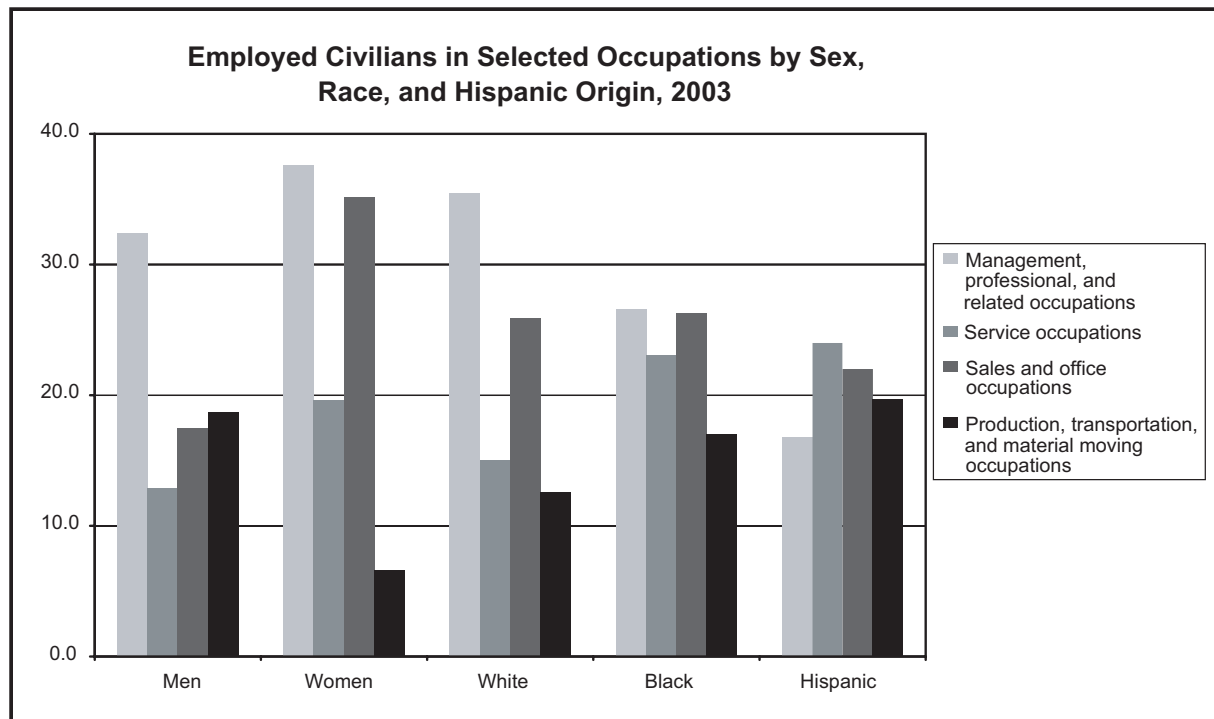
Table 1-8. Civilian Labor Force Participation Rates by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years	20 years and over						
			Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
HISPANIC MEN									
1973	81.5	...	85.9	...	...	...	...	...	...
1974	81.7	...	86.0	...	...	...	...	...	...
1975	80.7	...	85.5	...	...	...	...	...	...
1976	79.6	...	84.2	...	...	...	...	...	...
1977	80.9	...	84.8	...	...	...	...	...	...
1978	81.1	...	84.9	...	...	...	...	...	...
1979	81.3	...	85.3	...	...	...	...	...	...
1980	81.4	...	84.9	...	...	...	...	...	...
1981	80.6	...	84.7	...	...	...	...	...	...
1982	79.7	...	84.0	...	...	...	...	...	...
1983	80.3	...	84.1	...	...	...	...	...	...
1984	80.6	...	84.3	...	...	...	...	...	...
1985	80.3	...	84.0	...	...	...	...	...	...
1986	81.0	...	84.6	...	...	...	...	...	...
1987	81.0	...	84.5	...	...	...	...	...	...
1988	81.9	...	85.0	...	...	...	...	...	...
1989	82.0	...	85.0	...	...	...	...	...	...
1990	81.4	...	84.7	...	...	...	...	...	...
1991	80.3	...	83.8	...	...	...	...	...	...
1992	80.7	...	84.0	...	...	...	...	...	...
1993	80.2	...	83.5	...	...	...	...	...	...
1994	79.2	50.0	82.5	88.0	92.5	91.5	85.7	63.6	14.4
1995	79.1	50.2	82.4	86.2	92.9	91.3	85.6	62.4	15.8
1996	79.6	50.0	83.0	85.7	93.2	91.7	87.0	65.9	16.7
1997	80.1	47.4	84.1	88.1	93.5	91.9	87.8	68.4	17.3
1998	79.8	48.7	83.6	88.1	94.0	91.4	86.7	70.2	14.9
1999	79.8	50.1	83.5	88.1	93.9	92.2	86.2	68.6	18.2
2000	81.5	50.7	85.3	89.1	94.1	93.3	87.6	69.4	18.5
2001	81.0	52.2	84.3	86.8	93.4	92.7	86.7	68.6	16.8
2002	80.2	48.8	83.6	86.1	93.5	92.1	86.1	67.3	16.3
2003	80.1	40.9	84.1	86.2	93.6	92.9	85.4	68.8	17.4
HISPANIC WOMEN									
1973	41.0	...	41.3	...	...	...	...	...	...
1974	42.4	...	42.7	...	...	...	...	...	...
1975	43.2	...	43.8	...	...	...	...	...	...
1976	44.3	...	44.6	...	...	...	...	...	...
1977	44.3	...	45.1	...	...	...	...	...	...
1978	46.6	...	47.2	...	...	...	...	...	...
1979	47.4	...	48.0	...	...	...	...	...	...
1980	47.4	...	48.5	...	...	...	...	...	...
1981	48.3	...	49.7	...	...	...	...	...	...
1982	48.1	...	49.3	...	...	...	...	...	...
1983	47.7	...	49.0	...	...	...	...	...	...
1984	49.6	...	50.5	...	...	...	...	...	...
1985	49.3	...	50.6	...	...	...	...	...	...
1986	50.1	...	51.7	...	...	...	...	...	...
1987	52.0	...	53.3	...	...	...	...	...	...
1988	53.2	...	54.2	...	...	...	...	...	...
1989	53.5	...	54.9	...	...	...	...	...	...
1990	53.1	...	54.8	...	...	...	...	...	...
1991	52.4	...	54.0	...	...	...	...	...	...
1992	52.8	...	54.3	...	...	...	...	...	...
1993	52.1	...	53.8	...	...	...	...	...	...
1994	52.9	38.7	54.4	57.9	60.5	66.4	61.4	38.1	7.9
1995	52.6	40.4	53.9	55.9	61.6	65.9	60.5	37.2	6.6
1996	53.4	36.5	55.2	59.2	62.0	67.0	62.7	40.5	6.9
1997	55.1	38.0	57.0	62.3	63.7	69.3	63.3	40.6	8.1
1998	55.6	42.4	57.1	62.2	64.5	67.9	64.7	41.9	6.6
1999	55.9	40.6	57.7	63.0	62.7	70.5	66.2	42.4	6.5
2000	57.5	41.4	59.3	65.0	65.3	69.9	68.5	41.2	7.7
2001	57.6	41.1	59.3	64.6	65.2	70.3	68.3	43.2	6.7
2002	57.6	38.8	59.5	65.0	65.8	69.5	66.3	46.1	8.5
2003	55.9	34.5	58.1	63.3	62.9	68.5	65.3	47.1	9.4

... = Not available.

EMPLOYMENT



This chart shows the distribution of occupations within each of the selected characteristics of the population. While a larger percentage of employed women (37.6) than men (32.4) are in ‘management, professional and related occupations,’ the professional group includes teachers, a large majority of which are women. Within the service occupations, over half the women are in food preparation and personal care occupations. (Table 1-13)

OTHER HIGHLIGHTS:

- The data can also be examined to determine what proportion of each occupation the particular groups occupy. Of the total population in management and professional occupations, about 50 percent are men and about 50 percent are women. However, within this group, 58 percent of the management portion are men while 56 percent of the professional portion, including teachers, are women. Only 8.2 percent of the entire management and professional group are Black and only 6.1 percent are Hispanic. (Table 1-13)
- The age distribution of the employed population also varies by age. Of the total population 20 years and over, Hispanics have the highest proportion of people in the 20–24 age group, 14.4 percent compared with 10.2 percent for the entire population. The difference is even greater for the 25–34 age group. That age group represents 33.4 percent of total employed Hispanic population whereas that proportion for the total population is more than 10 points lower at 23.0 percent. (Table 1-11)
- The aging of the employed population is demonstrated by the change in the distribution of the age groups between 1993 and 2003. The number of employed people in the 55–64 age group has increased by 50 percent, the 45–54 age group by 44 percent. Even the 65+ group, while a relatively small number, increased 38 percent now being 3.5 percent of the 20+ total from 2.9 percent in 1993. (Table 1-11)
- Looking at employment by industry, the largest employers are manufacturing, healthcare and social assistance, and retail trade, each employing over 16 million persons, nearly one-third of total employment. The distribution of occupations within these industries is quite different. For manufacturing, production, transportation, and material moving occupations are half the total, but for health care, management, professional, and related occupations are about half the total. For retail trade, sales and office occupations, of course, are about 70 percent of the total in that industry. (Table 1-15)

Table 1-9. Employed and Unemployed Full- and Part-Time Workers by Age, Sex, and Race, 1994–2003

(Thousands of people.)

Year, age, sex, and race	Employed ¹								Unemployed	
	Full-time workers				Part-time workers				Looking for full-time work	Looking for part-time work
	Total	At work		Not at work	Total	At work ²		Not at work		
		35 hours or more	1 to 34 hours for economic or noneconomic reasons			Part-time for economic reasons	Part-time for noneconomic reasons			
TOTAL, 16 YEARS AND OVER										
1994	99 772	85 686	9 980	4 106	23 288	3 453	18 321	1 513	6 513	1 483
1995	101 679	87 736	9 924	4 020	23 220	3 215	18 443	1 562	5 909	1 495
1996	103 537	89 020	10 381	4 137	23 170	3 080	18 459	1 631	5 803	1 433
1997	106 334	92 399	9 922	4 013	23 224	2 826	18 856	1 542	5 395	1 344
1998	108 202	91 880	12 260	4 062	23 261	2 497	19 239	1 524	4 916	1 293
1999	110 302	96 276	10 079	3 947	23 186	2 216	19 509	1 461	4 669	1 211
2000	113 846	100 533	9 125	4 188	23 044	2 003	19 548	1 493	4 538	1 154
2001	113 573	99 047	10 464	4 061	23 361	2 297	19 494	1 570	5 546	1 254
2002	112 700	99 042	9 746	3 912	23 785	2 755	19 549	1 481	7 063	1 314
2003	113 324	99 539	9 841	3 944	24 412	3 184	19 702	1 525	7 361	1 413
TOTAL, 20 YEARS AND OVER										
1994	97 890	84 126	9 711	4 052	19 010	3 094	14 580	1 337	5 865	811
1995	99 651	86 043	9 643	3 965	18 830	2 853	14 613	1 365	5 253	806
1996	101 496	87 344	10 070	4 083	18 712	2 733	14 556	1 423	5 157	773
1997	104 168	90 613	9 601	3 954	18 729	2 500	14 872	1 357	4 748	719
1998	105 882	89 966	11 915	4 001	18 530	2 197	15 007	1 326	4 332	672
1999	107 917	94 270	9 754	3 893	18 399	1 939	15 187	1 273	4 094	624
2000	111 353	98 439	8 787	4 127	18 348	1 747	15 297	1 304	3 978	632
2001	111 323	97 161	10 156	4 006	18 870	2 013	15 486	1 371	4 956	682
2002	110 679	97 342	9 474	3 862	19 475	2 448	15 704	1 322	6 395	730
2003	111 578	98 087	9 587	3 904	20 239	2 875	16 001	1 363	6 705	818
MEN, 16 YEARS AND OVER										
1994	58 832	51 615	5 144	2 073	7 617	1 524	5 691	403	3 745	622
1995	59 936	52 833	5 120	1 984	7 441	1 401	5 626	414	3 374	609
1996	60 762	53 425	5 290	2 047	7 445	1 322	5 692	431	3 276	604
1997	62 258	55 216	5 040	2 001	7 427	1 187	5 821	418	3 012	564
1998	63 189	55 080	6 136	1 973	7 504	1 063	6 026	416	2 707	559
1999	63 930	57 034	4 971	1 924	7 516	946	6 178	392	2 548	518
2000	65 930	59 345	4 555	2 030	7 375	856	6 105	414	2 486	488
2001	65 623	58 386	5 241	1 996	7 573	1 021	6 129	424	3 144	546
2002	65 205	58 318	4 971	1 916	7 697	1 246	6 050	401	4 029	568
2003	65 379	58 428	5 023	1 927	7 953	1 473	6 056	423	4 291	615
MEN, 20 YEARS AND OVER										
1994	57 707	50 678	4 989	2 040	5 587	1 351	3 908	329	3 359	269
1995	58 707	51 793	4 960	1 955	5 377	1 228	3 828	322	2 988	251
1996	59 543	52 411	5 117	2 015	5 354	1 155	3 859	341	2 899	248
1997	60 974	54 148	4 857	1 969	5 310	1 023	3 944	343	2 644	239
1998	61 837	53 947	5 950	1 940	5 297	925	4 050	322	2 366	214
1999	62 514	55 827	4 790	1 897	5 247	809	4 127	311	2 222	211
2000	64 464	58 095	4 370	2 000	5 170	733	4 109	328	2 162	214
2001	64 311	57 273	5 072	1 966	5 465	881	4 253	331	2 801	239
2002	64 006	57 302	4 815	1 889	5 728	1 093	4 299	336	3 642	254
2003	64 364	57 580	4 879	1 905	6 051	1 314	4 388	348	3 906	302

¹Employed persons are classified as full- or part-time workers based on their usual weekly hours at all jobs regardless of the number of hours they are at work during the reference week. Persons absent from work also are classified according to their usual status.

²Includes some persons at work 35 hours or more classified by their reason for working part time.

Table 1-9. Employed and Unemployed Full- and Part-Time Workers by Age, Sex, and Race, 1994–2003—Continued

(Thousands of people.)

Year, age, sex, and race	Employed ¹								Unemployed	
	Full-time workers				Part-time workers				Looking for full-time work	Looking for part-time work
	Total	At work		Not at work	Total	At work ²		Not at work		
		35 hours or more	1 to 34 hours for economic or noneconomic reasons			Part-time for economic reasons	Part-time for noneconomic reasons			
WOMEN, 16 YEARS AND OVER										
1994	40 940	34 071	4 836	2 033	15 670	1 929	12 631	1 111	2 768	861
1995	41 743	34 903	4 805	2 036	15 779	1 814	12 817	1 148	2 535	886
1996	42 776	35 594	5 091	2 090	15 725	1 758	12 767	1 200	2 527	829
1997	44 076	37 183	4 882	2 011	15 797	1 638	13 035	1 124	2 383	779
1998	45 014	36 800	6 124	2 090	15 757	1 435	13 214	1 108	2 210	734
1999	46 372	39 242	5 108	2 022	15 670	1 270	13 330	1 069	2 121	693
2000	47 916	41 188	4 570	2 158	15 670	1 147	13 443	1 080	2 052	666
2001	47 950	40 661	5 223	2 065	15 788	1 276	13 365	1 146	2 402	709
2002	47 494	40 723	4 775	1 996	16 088	1 509	13 498	1 080	3 034	747
2003	47 946	41 111	4 818	2 017	16 459	1 711	13 646	1 102	3 070	798
WOMEN, 20 YEARS AND OVER										
1994	40 183	33 449	4 722	2 012	13 423	1 743	10 672	1 008	2 506	543
1995	40 943	34 250	4 683	2 010	13 453	1 623	10 785	1 043	2 265	554
1996	41 953	34 933	4 953	2 068	13 357	1 579	10 697	1 082	2 258	525
1997	43 144	36 465	4 744	1 985	13 419	1 477	10 927	1 015	2 105	480
1998	44 045	36 019	5 965	2 061	13 233	1 272	10 957	1 004	1 966	458
1999	45 403	38 443	4 964	1 996	13 152	1 131	11 059	962	1 872	413
2000	46 889	40 344	4 417	2 128	13 178	1 013	11 188	976	1 816	419
2001	47 012	39 889	5 083	2 040	13 405	1 132	11 233	1 040	2 155	444
2002	46 673	40 040	4 660	1 973	13 747	1 355	11 406	986	2 752	476
2003	47 215	40 507	4 708	2 000	14 188	1 560	11 613	1 015	2 799	515
WHITE MEN, 16 YEARS AND OVER ³										
1994	50 964	44 750	4 431	1 783	6 487	1 192	4 946	350	2 800	475
1995	51 768	45 634	4 406	1 728	6 378	1 100	4 921	357	2 525	475
1996	52 527	46 208	4 547	1 772	6 361	1 046	4 941	374	2 426	470
1997	53 640	47 563	4 358	1 719	6 358	909	5 084	365	2 202	440
1998	54 206	47 239	5 257	1 709	6 398	829	5 209	360	1 999	432
1999	54 756	48 834	4 274	1 647	6 383	730	5 314	339	1 883	391
2000	56 068	50 434	3 896	1 738	6 221	656	5 213	351	1 798	379
2001	55 830	49 625	4 504	1 701	6 381	793	5 225	364	2 323	431
2002	55 369	49 459	4 267	1 644	6 480	980	5 150	350	3 017	443
2003	55 216	49 323	4 266	1 628	6 650	1 146	5 148	357	3 164	479
WHITE MEN, 20 YEARS AND OVER ³										
1994	49 959	43 912	4 291	1 756	4 717	1 048	3 382	287	2 533	203
1995	50 691	44 726	4 263	1 702	4 563	958	3 330	275	2 260	204
1996	51 442	45 300	4 397	1 745	4 534	907	3 330	297	2 167	197
1997	52 498	46 609	4 199	1 691	4 488	771	3 419	298	1 946	194
1998	53 017	46 240	5 095	1 682	4 483	716	3 487	280	1 756	164
1999	53 513	47 764	4 124	1 626	4 420	618	3 534	268	1 651	162
2000	54 778	49 335	3 733	1 710	4 341	558	3 505	278	1 566	165
2001	54 666	48 636	4 354	1 676	4 579	677	3 616	285	2 080	195
2002	54 333	48 581	4 133	1 619	4 790	857	3 640	293	2 743	200
2003	54 339	48 585	4 145	1 609	5 010	1 016	3 703	291	2 893	231
WHITE WOMEN, 16 YEARS AND OVER ³										
1994	33 906	28 170	4 031	1 705	13 832	1 517	11 316	1 000	1 935	682
1995	34 422	28 685	4 039	1 697	13 922	1 431	11 448	1 043	1 755	705
1996	35 057	29 124	4 196	1 737	13 863	1 388	11 398	1 077	1 749	656
1997	35 965	30 286	4 036	1 643	13 894	1 260	11 623	1 011	1 587	608
1998	36 553	29 792	5 039	1 722	13 774	1 089	11 695	990	1 481	572
1999	37 417	31 577	4 157	1 684	13 679	947	11 768	964	1 469	530
2000	38 438	32 942	3 729	1 767	13 698	867	11 870	961	1 422	521
2001	38 445	32 491	4 252	1 702	13 773	971	11 787	1 015	1 664	551
2002	38 152	32 623	3 896	1 633	14 011	1 152	11 903	956	2 084	595
2003	38 249	32 659	3 939	1 652	14 120	1 304	11 860	956	2 038	629

¹Employed persons are classified as full- or part-time workers based on their usual weekly hours at all jobs regardless of the number of hours they are at work during the reference week. Persons absent from work also are classified according to their usual status.²Includes some persons at work 35 hours or more classified by their reason for working part time.³Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-9. Employed and Unemployed Full- and Part-Time Workers by Age, Sex, and Race, 1994–2003—Continued

(Thousands of people.)

Year, age, sex, and race	Employed ¹								Unemployed	
	Full-time workers				Part-time workers				Looking for full-time work	Looking for part-time work
	Total	At work		Not at work	Total	At work ²		Not at work		
		35 hours or more	1 to 34 hours for economic or noneconomic reasons			Part-time for economic reasons	Part-time for noneconomic reasons			
WHITE WOMEN, 20 YEARS AND OVER³										
1994	33 250	27 628	3 936	1 686	11 866	1 359	9 596	912	1 754	443
1995	33 728	28 116	3 938	1 674	11 916	1 277	9 690	949	1 579	463
1996	34 350	28 553	4 078	1 719	11 814	1 243	9 598	973	1 570	427
1997	35 216	29 677	3 919	1 620	11 847	1 136	9 788	923	1 396	388
1998	35 738	29 130	4 910	1 698	11 604	953	9 749	902	1 318	370
1999	36 602	30 905	4 036	1 662	11 496	839	9 789	867	1 297	319
2000	37 585	32 242	3 600	1 743	11 560	754	9 935	872	1 256	339
2001	37 658	31 839	4 139	1 680	11 711	853	9 933	924	1 492	357
2002	37 467	32 049	3 803	1 615	11 981	1 029	10 079	873	1 888	381
2003	37 640	32 158	3 845	1 637	12 183	1 180	10 124	879	1 866	411
BLACK MEN, 16 YEARS AND OVER³										
1994	5 452	4 723	520	209	788	247	504	38	738	111
1995	5 685	4 995	513	177	737	216	479	43	660	101
1996	5 723	4 971	547	206	733	199	494	40	705	103
1997	5 894	5 193	490	211	713	203	474	36	648	98
1998	6 148	5 322	637	189	723	168	520	34	572	99
1999	6 263	5 574	494	196	764	163	568	33	528	97
2000	6 350	5 704	445	202	732	144	548	41	542	78
2001	6 178	5 509	468	200	761	165	557	39	626	83
2002	6 194	5 541	480	173	765	188	546	30	749	86
2003	6 055	5 414	453	188	765	221	505	39	804	87
BLACK MEN, 20 YEARS AND OVER³										
1994	5 369	4 655	509	205	595	223	343	29	634	47
1995	5 582	4 906	502	175	554	193	326	36	558	35
1996	5 622	4 892	528	201	545	177	338	30	602	37
1997	5 790	5 111	471	208	535	179	326	30	549	35
1998	6 023	5 218	620	185	507	147	334	25	487	37
1999	6 140	5 477	471	192	561	142	392	27	446	35
2000	6 222	5 594	429	199	520	125	363	32	468	31
2001	6 069	5 417	455	197	558	145	382	31	542	31
2002	6 073	5 437	465	171	579	166	387	26	660	35
2003	5 980	5 355	439	185	607	201	372	34	717	43
BLACK WOMEN, 16 YEARS AND OVER³										
1994	5 289	4 408	627	253	1 306	319	906	79	678	140
1995	5 542	4 679	594	268	1 315	290	952	74	637	140
1996	5 776	4 785	710	280	1 310	289	933	88	652	132
1997	6 026	5 085	652	289	1 336	305	952	79	677	136
1998	6 281	5 166	828	288	1 404	278	1 045	81	624	131
1999	6 641	5 651	734	256	1 388	257	1 059	72	554	130
2000	6 780	5 862	632	287	1 293	211	1 005	77	515	106
2001	6 761	5 777	715	270	1 307	223	998	85	584	122
2002	6 588	5 685	640	263	1 326	259	991	76	744	114
2003	6 552	5 709	595	247	1 367	274	1 017	76	774	121
BLACK WOMEN, 20 YEARS AND OVER³										
1994	5 211	4 346	612	251	1 108	300	740	69	608	76
1995	5 469	4 623	580	266	1 087	263	757	66	553	66
1996	5 684	4 714	693	277	1 078	263	737	79	570	73
1997	5 921	5 001	634	286	1 092	273	755	64	603	70
1998	6 159	5 073	803	283	1 131	256	807	68	555	66
1999	6 519	5 549	717	252	1 145	230	850	65	486	75
2000	6 651	5 753	615	283	1 052	197	788	67	456	56
2001	6 647	5 684	695	268	1 094	203	816	75	521	61
2002	6 492	5 605	626	261	1 117	234	816	68	671	67
2003	6 468	5 639	583	246	1 168	257	842	69	698	75

Note: See "Notes and Definitions" for information on historical comparability.

¹Employed persons are classified as full- or part-time workers based on their usual weekly hours at all jobs regardless of the number of hours they are at work during the reference week. Persons absent from work also are classified according to their usual status.

²Includes some persons at work 35 hours or more classified by their reason for working part time.

³Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-10. Persons Not in the Labor Force by Desire and Availability for Work, Age, and Sex, 1998–2003

(Thousands of people.)

Category	Total		Age						Sex			
	1998	1999	16 to 24 years		25 to 54 years		55 and over		Men		Women	
			1998	1999	1998	1999	1998	1999	1998	1999	1998	1999
TOTAL, NOT IN THE LABOR FORCE	67547	68385	11343	11740	18732	18785	37472	37861	24799	25210	42748	43175
Do Not Want A Job Now ¹	62735	63818	9491	9938	16580	16814	36664	37066	22790	23307	39945	40511
Want A Job ¹	4812	4568	1852	1802	2152	1971	807	795	2008	1903	2803	2665
Did not search for work in the previous year	2859	2723	1011	981	1240	1144	608	599	1134	1083	1725	1640
Searched for work in the previous year ²	1953	1844	841	822	912	827	200	196	875	820	1078	1024
Not available to work now	643	644	332	345	275	258	36	41	250	249	392	395
Available to work now	1310	1201	509	477	637	569	164	155	624	571	686	629
Reason not currently looking:												
Discouragement over job prospects ³	331	273	108	86	170	146	53	41	198	161	133	113
Reasons other than discouragement	979	927	401	391	467	423	111	114	427	411	552	517
Family responsibilities	143	132	37	29	93	92	13	11	23	29	120	103
In school or training	206	214	173	176	32	34	1	4	105	110	102	104
Ill health or disability	104	97	14	13	69	57	21	26	52	39	52	58
Other ⁴	525	485	177	173	273	239	75	73	247	234	278	251

Category	Total		Age						Sex			
	2000	2001	16 to 24 years		25 to 54 years		55 and over		Men		Women	
			2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
TOTAL, NOT IN THE LABOR FORCE	69994	71359	11702	12347	19263	19814	39029	39198	25684	26396	44310	44962
Do Not Want A Job Now ¹	65581	66769	10083	10616	17286	17797	38212	38355	23818	24403	41762	42366
Want A Job ¹	4413	4590	1619	1730	1977	2017	817	842	1866	1993	2547	2597
Did not search for work in the previous year	2705	2731	899	939	1164	1150	642	642	1076	1134	1628	1597
Searched for work in the previous year ²	1708	1859	720	791	813	867	175	201	789	859	919	1000
Not available to work now	552	593	276	300	242	256	34	37	216	228	335	365
Available to work now	1157	1266	444	492	571	611	142	163	573	631	584	634
Reason not currently looking:												
Discouragement over job prospects ³	266	321	79	104	148	170	40	47	164	192	102	129
Reasons other than discouragement	891	945	365	388	423	441	102	116	409	440	482	505
Family responsibilities	120	133	26	32	84	89	10	13	23	29	96	105
In school or training	184	203	157	172	27	30	1	1	97	111	88	92
Ill health or disability	96	96	15	16	58	56	22	25	49	45	47	51
Other ⁴	491	513	167	168	254	266	69	77	240	255	251	257

Category	Total		Age						Sex			
	2002	2003	16 to 24 years		25 to 54 years		55 and over		Men		Women	
			2002	2003	2002	2003	2002	2003	2002	2003	2002	2003
TOTAL, NOT IN THE LABOR FORCE	72707	74658	12976	13800	20358	20980	39373	39878	27085	28197	45621	46461
Do Not Want A Job Now ¹	68029	69932	11254	12079	18286	18857	38489	38996	24994	26073	43035	43859
Want A Job ¹	4677	4726	1722	1721	2071	2124	884	882	2091	2124	2586	2603
Did not search for work in the previous year	2673	2631	910	882	1112	1129	651	620	1135	1127	1538	1503
Searched for work in the previous year ²	2004	2096	812	838	960	995	233	262	956	996	1048	1099
Not available to work now	565	564	272	274	252	248	41	43	227	231	338	333
Available to work now	1439	1531	540	565	708	747	191	220	729	765	710	766
Reason not currently looking:												
Discouragement over job prospects ³	369	457	110	134	209	248	51	75	226	266	143	190
Reasons other than discouragement	1070	1075	430	431	499	499	141	145	503	499	567	576
Family responsibilities	150	153	31	37	99	94	20	22	34	35	116	118
In school or training	238	239	195	194	41	42	2	3	126	125	112	114
Ill health or disability	107	113	16	15	61	72	30	26	50	51	56	62
Other ⁴	575	570	188	184	299	292	88	94	292	288	283	282

Note: See "Notes and Definitions" for information on historical comparability.

¹Includes some persons who are not asked if they want a job.²Persons who had a job in the prior 12 months must have searched since the end of that job.³Includes believes no work available, could not find work, lacks necessary schooling or training, employer thinks too young or old, and other types of discrimination.⁴Includes those who did not actively look for work in the prior four weeks for such reasons as child-care and transportation problems, as well as a small number for which reason for nonparticipation was not ascertained.

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
TOTAL											
1948	58 343	4 026	1 600	2 426	54 318	6 937	13 801	13 050	10 624	7 103	2 804
1949	57 651	3 712	1 466	2 246	53 940	6 660	13 639	13 108	10 636	7 042	2 864
1950	58 918	3 703	1 433	2 270	55 218	6 746	13 917	13 424	10 966	7 265	2 899
1951	59 961	3 767	1 575	2 192	56 196	6 321	14 233	13 746	11 421	7 558	2 917
1952	60 250	3 719	1 626	2 092	56 536	5 572	14 515	14 058	11 687	7 785	2 919
1953	61 179	3 720	1 577	2 142	57 460	5 225	14 519	14 774	11 969	7 806	3 166
1954	60 109	3 475	1 422	2 053	56 634	4 971	14 190	14 541	11 976	7 895	3 060
1955	62 170	3 642	1 500	2 143	58 528	5 270	14 481	14 879	12 556	8 158	3 185
1956	63 799	3 818	1 647	2 171	59 983	5 545	14 407	15 218	12 978	8 519	3 314
1957	64 071	3 778	1 613	2 167	60 291	5 641	14 253	15 348	13 320	8 553	3 179
1958	63 036	3 582	1 519	2 063	59 454	5 571	13 675	15 157	13 448	8 559	3 045
1959	64 630	3 838	1 670	2 168	60 791	5 870	13 709	15 454	13 915	8 822	3 023
1960	65 778	4 129	1 770	2 360	61 648	6 119	13 630	15 598	14 238	8 989	3 073
1961	65 746	4 108	1 621	2 486	61 638	6 227	13 429	15 552	14 320	9 120	2 987
1962	66 702	4 195	1 607	2 588	62 508	6 446	13 311	15 901	14 491	9 346	3 013
1963	67 762	4 255	1 751	2 504	63 508	6 815	13 318	16 114	14 749	9 596	2 915
1964	69 305	4 516	2 013	2 503	64 789	7 303	13 449	16 166	15 094	9 804	2 973
1965	71 088	5 036	2 075	2 962	66 052	7 702	13 704	16 294	15 320	10 028	3 005
1966	72 895	5 721	2 269	3 452	67 178	7 964	14 017	16 312	15 615	10 310	2 961
1967	74 372	5 682	2 334	3 348	68 690	8 499	14 575	16 281	15 789	10 536	3 011
1968	75 920	5 781	2 403	3 377	70 141	8 762	15 265	16 220	16 083	10 745	3 065
1969	77 902	6 117	2 573	3 543	71 785	9 319	15 883	16 100	16 410	10 919	3 155
1970	78 678	6 144	2 598	3 546	72 534	9 731	16 318	15 922	16 473	10 974	3 118
1971	79 367	6 208	2 596	3 613	73 158	10 201	16 781	15 675	16 451	11 009	3 040
1972	82 153	6 746	2 787	3 959	75 407	10 999	18 082	15 822	16 457	11 044	3 003
1973	85 064	7 271	3 032	4 239	77 793	11 839	19 509	16 041	16 553	10 966	2 886
1974	86 794	7 448	3 111	4 338	79 347	12 101	20 610	16 203	16 633	10 964	2 835
1975	85 846	7 104	2 941	4 162	78 744	11 885	21 087	15 953	16 190	10 827	2 801
1976	88 752	7 336	2 972	4 363	81 416	12 570	22 493	16 468	16 224	10 912	2 747
1977	92 017	7 688	3 138	4 550	84 329	13 196	23 850	17 157	16 212	11 126	2 787
1978	96 048	8 070	3 330	4 739	87 979	13 887	25 281	18 128	16 338	11 400	2 946
1979	98 824	8 083	3 340	4 743	90 741	14 327	26 492	18 981	16 357	11 585	2 999
1980	99 303	7 710	3 106	4 605	91 593	14 087	27 204	19 523	16 234	11 586	2 960
1981	100 397	7 225	2 866	4 359	93 172	14 122	28 180	20 145	16 255	11 525	2 945
1982	99 526	6 549	2 505	4 044	92 978	13 690	28 149	20 879	15 923	11 414	2 923
1983	100 834	6 342	2 320	4 022	94 491	13 722	28 756	21 960	15 812	11 315	2 927
1984	105 005	6 444	2 404	4 040	98 562	14 207	30 348	23 598	16 178	11 395	2 835
1985	107 150	6 434	2 492	3 941	100 716	13 980	31 208	24 732	16 509	11 474	2 813
1986	109 597	6 472	2 622	3 850	103 125	13 790	32 201	25 861	16 949	11 405	2 919
1987	112 440	6 640	2 736	3 905	105 800	13 524	33 105	27 179	17 487	11 465	3 041
1988	114 968	6 805	2 713	4 092	108 164	13 244	33 574	28 269	18 447	11 433	3 197
1989	117 342	6 759	2 588	4 172	110 582	12 962	34 045	29 443	19 279	11 499	3 355
1990	118 793	6 581	2 410	4 171	112 213	13 401	33 935	30 817	19 525	11 189	3 346
1991	117 718	5 906	2 202	3 704	111 812	12 975	33 061	31 593	19 882	11 001	3 300
1992	118 492	5 669	2 128	3 540	112 824	12 872	32 667	31 923	21 022	10 998	3 341
1993	120 259	5 805	2 226	3 579	114 455	12 840	32 385	32 666	22 175	11 058	3 331
1994	123 060	6 161	2 510	3 651	116 899	12 758	32 286	33 599	23 348	11 228	3 681
1995	124 900	6 419	2 573	3 846	118 481	12 443	32 356	34 202	24 378	11 435	3 666
1996	126 708	6 500	2 646	3 853	120 208	12 138	32 077	35 051	25 514	11 739	3 690
1997	129 558	6 661	2 648	4 012	122 897	12 380	31 809	35 908	26 744	12 296	3 761
1998	131 463	7 051	2 762	4 289	124 413	12 557	31 394	36 278	27 587	12 872	3 725
1999	133 488	7 172	2 793	4 379	126 316	12 891	30 865	36 728	28 635	13 315	3 882
2000	136 891	7 189	2 759	4 431	129 701	13 229	31 549	36 433	30 310	14 002	4 179
2001	136 933	6 740	2 558	4 182	130 194	13 348	30 863	36 049	31 036	14 645	4 253
2002	136 485	6 332	2 330	4 002	130 154	13 351	30 306	35 235	31 281	15 674	4 306
2003	137 736	5 919	2 312	3 607	131 817	13 433	30 383	34 881	31 914	16 598	4 608

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
MEN											
1948	41 725	2 344	996	1 348	39 382	4 349	10 038	9 363	7 742	5 587	2 303
1949	40 925	2 124	911	1 213	38 803	4 197	9 879	9 308	7 661	5 438	2 329
1950	41 578	2 186	909	1 277	39 394	4 255	10 060	9 445	7 790	5 508	2 336
1951	41 780	2 156	979	1 177	39 626	3 780	10 134	9 607	8 012	5 711	2 382
1952	41 682	2 107	985	1 121	39 578	3 183	10 352	9 753	8 144	5 804	2 343
1953	42 430	2 136	976	1 159	40 296	2 901	10 500	10 229	8 374	5 808	2 483
1954	41 619	1 985	881	1 104	39 634	2 724	10 254	10 082	8 330	5 830	2 414
1955	42 621	2 095	936	1 159	40 526	2 973	10 453	10 267	8 553	5 857	2 424
1956	43 379	2 164	1 008	1 156	41 216	3 245	10 337	10 385	8 732	6 004	2 512
1957	43 357	2 115	987	1 130	41 239	3 346	10 222	10 427	8 851	6 002	2 394
1958	42 423	2 012	948	1 064	40 411	3 293	9 790	10 291	8 828	5 955	2 254
1959	43 466	2 198	1 015	1 183	41 267	3 597	9 862	10 492	9 048	6 058	2 210
1960	43 904	2 361	1 090	1 271	41 543	3 754	9 759	10 552	9 182	6 105	2 191
1961	43 656	2 315	989	1 325	41 342	3 795	9 591	10 505	9 195	6 155	2 098
1962	44 177	2 362	990	1 372	41 815	3 898	9 475	10 711	9 333	6 260	2 138
1963	44 657	2 406	1 073	1 334	42 251	4 118	9 431	10 801	9 478	6 385	2 038
1964	45 474	2 587	1 242	1 345	42 886	4 370	9 531	10 832	9 637	6 478	2 039
1965	46 340	2 918	1 285	1 634	43 422	4 583	9 611	10 837	9 792	6 542	2 057
1966	46 919	3 253	1 389	1 863	43 668	4 599	9 709	10 764	9 904	6 668	2 024
1967	47 479	3 186	1 417	1 769	44 294	4 809	9 988	10 674	9 990	6 774	2 058
1968	48 114	3 255	1 453	1 802	44 859	4 812	10 405	10 554	10 102	6 893	2 093
1969	48 818	3 430	1 526	1 904	45 388	5 012	10 736	10 401	10 187	6 931	2 122
1970	48 990	3 409	1 504	1 905	45 581	5 237	10 936	10 216	10 170	6 928	2 094
1971	49 390	3 478	1 510	1 968	45 912	5 593	11 218	10 028	10 139	6 916	2 019
1972	50 896	3 765	1 598	2 167	47 130	6 138	11 884	10 088	10 139	6 929	1 953
1973	52 349	4 039	1 721	2 318	48 310	6 655	12 617	10 126	10 197	6 857	1 856
1974	53 024	4 103	1 744	2 359	48 922	6 739	13 119	10 135	10 181	6 880	1 869
1975	51 857	3 839	1 621	2 219	48 018	6 484	13 205	9 891	9 902	6 722	1 811
1976	53 138	3 947	1 626	2 321	49 190	6 915	13 869	10 069	9 881	6 724	1 732
1977	54 728	4 174	1 733	2 441	50 555	7 232	14 483	10 399	9 832	6 848	1 761
1978	56 479	4 336	1 800	2 535	52 143	7 559	15 124	10 845	9 806	6 954	1 855
1979	57 607	4 300	1 799	2 501	53 308	7 791	15 688	11 202	9 735	7 015	1 876
1980	57 186	4 085	1 672	2 412	53 101	7 532	15 832	11 355	9 548	6 999	1 835
1981	57 397	3 815	1 526	2 289	53 582	7 504	16 266	11 613	9 478	6 909	1 812
1982	56 271	3 379	1 307	2 072	52 891	7 197	16 002	11 902	9 234	6 781	1 776
1983	56 787	3 300	1 213	2 087	53 487	7 232	16 216	12 450	9 133	6 686	1 770
1984	59 091	3 322	1 244	2 078	55 769	7 571	17 166	13 309	9 326	6 694	1 703
1985	59 891	3 328	1 300	2 029	56 562	7 339	17 564	13 800	9 411	6 753	1 695
1986	60 892	3 323	1 352	1 971	57 569	7 250	18 092	14 266	9 554	6 654	1 753
1987	62 107	3 381	1 393	1 988	58 726	7 058	18 487	14 898	9 750	6 682	1 850
1988	63 273	3 492	1 403	2 089	59 781	6 918	18 702	15 457	10 201	6 591	1 911
1989	64 315	3 477	1 327	2 150	60 837	6 799	18 952	16 002	10 569	6 548	1 968
1990	65 104	3 427	1 254	2 173	61 678	7 151	18 779	16 771	10 690	6 378	1 909
1991	64 223	3 044	1 135	1 909	61 178	6 909	18 265	17 086	10 813	6 245	1 860
1992	64 440	2 944	1 096	1 848	61 496	6 819	17 966	17 230	11 365	6 173	1 943
1993	65 349	2 994	1 155	1 839	62 355	6 805	17 877	17 665	11 927	6 166	1 916
1994	66 450	3 156	1 288	1 868	63 294	6 771	17 741	18 111	12 439	6 142	2 089
1995	67 377	3 292	1 316	1 977	64 085	6 665	17 709	18 374	12 958	6 272	2 108
1996	68 207	3 310	1 318	1 992	64 897	6 429	17 527	18 816	13 483	6 470	2 172
1997	69 685	3 401	1 355	2 045	66 284	6 548	17 338	19 327	14 107	6 735	2 229
1998	70 693	3 558	1 398	2 161	67 135	6 638	17 097	19 634	14 544	7 052	2 171
1999	71 446	3 685	1 437	2 249	67 761	6 729	16 694	19 811	14 991	7 274	2 263
2000	73 305	3 671	1 394	2 276	69 634	6 974	17 241	19 537	15 871	7 606	2 406
2001	73 196	3 420	1 268	2 151	69 776	6 952	16 915	19 305	16 268	7 900	2 437
2002	72 903	3 169	1 130	2 040	69 734	6 978	16 573	18 932	16 419	8 378	2 455
2003	73 332	2 917	1 115	1 802	70 415	7 065	16 670	18 774	16 588	8 733	2 585

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WOMEN											
1948	16 617	1 682	604	1 078	14 936	2 588	3 763	3 687	2 882	1 516	501
1949	16 723	1 588	555	1 033	15 137	2 463	3 760	3 800	2 975	1 604	535
1950	17 340	1 517	524	993	15 824	2 491	3 857	3 979	3 176	1 757	563
1951	18 181	1 611	596	1 015	16 570	2 541	4 099	4 139	3 409	1 847	535
1952	18 568	1 612	641	971	16 958	2 389	4 163	4 305	3 543	1 981	576
1953	18 749	1 584	601	983	17 164	2 324	4 019	4 545	3 595	1 998	683
1954	18 490	1 490	541	949	17 000	2 247	3 936	4 459	3 646	2 065	646
1955	19 551	1 547	564	984	18 002	2 297	4 028	4 612	4 003	2 301	761
1956	20 419	1 654	639	1 015	18 767	2 300	4 070	4 833	4 246	2 515	802
1957	20 714	1 663	626	1 037	19 052	2 295	4 031	4 921	4 469	2 551	785
1958	20 613	1 570	571	999	19 043	2 278	3 885	4 866	4 620	2 604	791
1959	21 164	1 640	655	985	19 524	2 273	3 847	4 962	4 867	2 764	813
1960	21 874	1 768	680	1 089	20 105	2 365	3 871	5 046	5 056	2 884	882
1961	22 090	1 793	632	1 161	20 296	2 432	3 838	5 047	5 125	2 965	889
1962	22 525	1 833	617	1 216	20 693	2 548	3 836	5 190	5 158	3 086	875
1963	23 105	1 849	678	1 170	21 257	2 697	3 887	5 313	5 271	3 211	877
1964	23 831	1 929	771	1 158	21 903	2 933	3 918	5 334	5 457	3 326	934
1965	24 748	2 118	790	1 328	22 630	3 119	4 093	5 457	5 528	3 486	948
1966	25 976	2 468	880	1 589	23 510	3 365	4 308	5 548	5 711	3 642	937
1967	26 893	2 496	917	1 579	24 397	3 690	4 587	5 607	5 799	3 762	953
1968	27 807	2 526	950	1 575	25 281	3 950	4 860	5 666	5 981	3 852	972
1969	29 084	2 687	1 047	1 639	26 397	4 307	5 147	5 699	6 223	3 988	1 033
1970	29 688	2 735	1 094	1 641	26 952	4 494	5 382	5 706	6 303	4 046	1 023
1971	29 976	2 730	1 086	1 645	27 246	4 609	5 563	5 647	6 313	4 093	1 021
1972	31 257	2 980	1 188	1 792	28 276	4 861	6 197	5 734	6 318	4 115	1 051
1973	32 715	3 231	1 310	1 920	29 484	5 184	6 893	5 915	6 356	4 109	1 029
1974	33 769	3 345	1 367	1 978	30 424	5 363	7 492	6 068	6 451	4 084	966
1975	33 989	3 263	1 320	1 943	30 726	5 401	7 882	6 061	6 288	4 105	989
1976	35 615	3 389	1 346	2 043	32 226	5 655	8 624	6 400	6 343	4 188	1 017
1977	37 289	3 514	1 403	2 110	33 775	5 965	9 367	6 758	6 380	4 279	1 027
1978	39 569	3 734	1 530	2 204	35 836	6 328	10 157	7 282	6 532	4 446	1 091
1979	41 217	3 783	1 541	2 242	37 434	6 538	10 802	7 779	6 622	4 569	1 124
1980	42 117	3 625	1 433	2 192	38 492	6 555	11 370	8 168	6 686	4 587	1 125
1981	43 000	3 411	1 340	2 070	39 590	6 618	11 914	8 532	6 777	4 616	1 133
1982	43 256	3 170	1 198	1 972	40 086	6 492	12 147	8 977	6 689	4 634	1 147
1983	44 047	3 043	1 107	1 935	41 004	6 490	12 540	9 510	6 678	4 629	1 157
1984	45 915	3 122	1 161	1 962	42 793	6 636	13 182	10 289	6 852	4 700	1 133
1985	47 259	3 105	1 193	1 913	44 154	6 640	13 644	10 933	7 097	4 721	1 118
1986	48 706	3 149	1 270	1 879	45 556	6 540	14 109	11 595	7 395	4 751	1 165
1987	50 334	3 260	1 343	1 917	47 074	6 466	14 617	12 281	7 737	4 783	1 191
1988	51 696	3 313	1 310	2 003	48 383	6 326	14 872	12 811	8 246	4 841	1 286
1989	53 027	3 282	1 261	2 021	49 745	6 163	15 093	13 440	8 711	4 950	1 388
1990	53 689	3 154	1 156	1 998	50 535	6 250	15 155	14 046	8 835	4 811	1 437
1991	53 496	2 862	1 067	1 794	50 634	6 066	14 796	14 507	9 069	4 756	1 440
1992	54 052	2 724	1 032	1 692	51 328	6 053	14 701	14 693	9 657	4 825	1 398
1993	54 910	2 811	1 071	1 740	52 099	6 035	14 508	15 002	10 248	4 892	1 414
1994	56 610	3 005	1 222	1 783	53 606	5 987	14 545	15 488	10 908	5 085	1 592
1995	57 523	3 127	1 258	1 869	54 396	5 779	14 647	15 828	11 421	5 163	1 558
1996	58 501	3 190	1 328	1 862	55 311	5 709	14 549	16 235	12 031	5 269	1 518
1997	59 873	3 260	1 293	1 967	56 613	5 831	14 471	16 581	12 637	5 561	1 532
1998	60 771	3 493	1 364	2 128	57 278	5 919	14 298	16 644	13 043	5 820	1 554
1999	62 042	3 487	1 357	2 130	58 555	6 163	14 171	16 917	13 644	6 041	1 619
2000	63 586	3 519	1 364	2 154	60 067	6 255	14 308	16 897	14 438	6 396	1 773
2001	63 737	3 320	1 289	2 031	60 417	6 396	13 948	16 744	14 768	6 745	1 815
2002	63 582	3 162	1 200	1 962	60 420	6 374	13 733	16 303	14 863	7 296	1 851
2003	64 404	3 002	1 197	1 805	61 402	6 367	13 714	16 106	15 326	7 866	2 023

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE¹											
1954	53 957	3 078	1 257	1 822	50 879	4 358	12 616	13 000	10 811	7 262	2 831
1955	55 833	3 225	1 330	1 896	52 608	4 637	12 855	13 327	11 322	7 510	2 957
1956	57 269	3 389	1 465	1 922	53 880	4 897	12 748	13 637	11 706	7 822	3 068
1957	57 465	3 374	1 442	1 931	54 091	4 952	12 619	13 716	12 009	7 829	2 951
1958	56 613	3 216	1 370	1 847	53 397	4 908	12 128	13 571	12 113	7 849	2 828
1959	58 006	3 475	1 520	1 955	54 531	5 138	12 144	13 830	12 552	8 063	2 805
1960	58 850	3 700	1 598	2 103	55 150	5 331	12 021	13 930	12 820	8 192	2 855
1961	58 913	3 693	1 472	2 220	55 220	5 460	11 835	13 905	12 906	8 335	2 778
1962	59 698	3 774	1 447	2 327	55 924	5 676	11 703	14 173	13 066	8 511	2 795
1963	60 622	3 851	1 600	2 250	56 771	6 036	11 689	14 341	13 304	8 718	2 683
1964	61 922	4 076	1 846	2 230	57 846	6 444	11 794	14 380	13 596	8 916	2 717
1965	63 446	4 562	1 892	2 670	58 884	6 752	11 992	14 473	13 804	9 116	2 748
1966	65 021	5 176	2 052	3 124	59 845	6 986	12 268	14 449	14 072	9 356	2 713
1967	66 361	5 114	2 121	2 993	61 247	7 493	12 763	14 429	14 224	9 596	2 746
1968	67 750	5 195	2 193	3 002	62 555	7 687	13 410	14 386	14 487	9 781	2 804
1969	69 518	5 508	2 347	3 161	64 010	8 182	13 935	14 270	14 788	9 947	2 888
1970	70 217	5 571	2 386	3 185	64 645	8 559	14 326	14 092	14 854	9 979	2 835
1971	70 878	5 670	2 404	3 266	65 208	9 000	14 713	13 858	14 843	10 014	2 780
1972	73 370	6 173	2 581	3 592	67 197	9 718	15 904	13 940	14 845	10 077	2 714
1973	75 708	6 623	2 806	3 816	69 086	10 424	17 099	14 083	14 886	9 983	2 610
1974	77 184	6 796	2 881	3 916	70 388	10 676	18 040	14 196	14 948	9 958	2 568
1975	76 411	6 487	2 721	3 770	69 924	10 546	18 485	13 979	14 555	9 827	2 533
1976	78 853	6 724	2 762	3 962	72 129	11 119	19 662	14 407	14 549	9 923	2 470
1977	81 700	7 068	2 926	4 142	74 632	11 696	20 844	14 984	14 483	10 107	2 518
1978	84 936	7 367	3 085	4 282	77 569	12 251	22 008	15 809	14 550	10 311	2 642
1979	87 259	7 356	3 079	4 278	79 904	12 594	23 033	16 578	14 522	10 477	2 699
1980	87 715	7 021	2 861	4 161	80 694	12 405	23 653	17 071	14 405	10 475	2 684
1981	88 709	6 588	2 645	3 943	82 121	12 477	24 551	17 617	14 414	10 386	2 676
1982	87 903	5 984	2 317	3 667	81 918	12 097	24 531	18 268	14 083	10 283	2 656
1983	88 893	5 799	2 156	3 643	83 094	12 138	24 955	19 194	13 961	10 169	2 678
1984	92 120	5 836	2 209	3 627	86 284	12 451	26 235	20 552	14 239	10 227	2 580
1985	93 736	5 768	2 270	3 498	87 968	12 235	26 945	21 552	14 459	10 247	2 530
1986	95 660	5 792	2 386	3 406	89 869	12 027	27 746	22 515	14 750	10 176	2 654
1987	97 789	5 898	2 468	3 431	91 890	11 748	28 429	23 596	15 216	10 164	2 738
1988	99 812	6 030	2 424	3 606	93 782	11 438	28 796	24 468	16 054	10 153	2 874
1989	101 584	5 946	2 278	3 668	95 638	11 084	29 091	25 442	16 775	10 223	3 024
1990	102 261	5 779	2 141	3 638	96 481	11 498	28 773	26 282	16 933	9 960	3 035
1991	101 182	5 216	1 971	3 246	95 966	11 116	27 989	26 883	17 269	9 719	2 990
1992	101 669	4 985	1 904	3 081	96 684	11 031	27 552	27 097	18 285	9 701	3 019
1993	103 045	5 113	1 990	3 123	97 932	10 931	27 274	27 645	19 273	9 772	3 037
1994	105 190	5 398	2 210	3 188	99 792	10 736	27 101	28 442	20 247	9 912	3 354
1995	106 490	5 593	2 273	3 320	100 897	10 400	27 014	28 951	21 127	10 070	3 335
1996	107 808	5 667	2 325	3 343	102 141	10 149	26 678	29 566	22 071	10 313	3 364
1997	109 856	5 807	2 341	3 466	104 049	10 362	26 294	30 137	23 061	10 785	3 411
1998	110 931	6 089	2 436	3 653	104 842	10 512	25 729	30 320	23 662	11 272	3 347
1999	112 235	6 204	2 435	3 769	106 032	10 716	25 113	30 548	24 507	11 657	3 491
2000	114 424	6 160	2 383	3 777	108 264	10 944	25 500	30 151	25 762	12 169	3 738
2001	114 430	5 817	2 224	3 593	108 613	11 054	24 948	29 793	26 301	12 743	3 774
2002	114 013	5 441	2 037	3 404	108 572	11 096	24 568	29 049	26 401	13 630	3 828
2003	114 235	5 064	1 999	3 065	109 171	11 052	24 399	28 501	26 762	14 375	4 083

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK¹											
1972	7 802	509	180	329	7 292	...	1 924	1 629	1 434	872	269
1973	8 128	570	194	378	7 559	1 258	2 062	1 659	1 460	872	242
1974	8 203	554	190	364	7 649	1 231	2 157	1 682	1 452	884	243
1975	7 894	507	183	325	7 386	1 115	2 145	1 617	1 393	874	241
1976	8 227	508	170	338	7 719	1 193	2 309	1 679	1 416	870	252
1977	8 540	508	169	339	8 031	1 244	2 443	1 754	1 448	892	251
1978	9 102	571	191	380	8 531	1 359	2 641	1 848	1 479	932	273
1979	9 359	579	204	376	8 780	1 424	2 759	1 902	1 502	927	266
1980	9 313	547	192	356	8 765	1 376	2 827	1 910	1 487	925	239
1981	9 355	505	170	335	8 849	1 346	2 872	1 957	1 489	954	231
1982	9 189	428	138	290	8 761	1 283	2 830	2 025	1 469	928	225
1983	9 375	416	123	294	8 959	1 280	2 976	2 107	1 456	937	204
1984	10 119	474	146	328	9 645	1 423	3 223	2 311	1 533	945	209
1985	10 501	532	175	356	9 969	1 399	3 325	2 427	1 598	985	235
1986	10 814	536	183	353	10 278	1 429	3 464	2 524	1 666	982	214
1987	11 309	587	203	385	10 722	1 421	3 614	2 695	1 714	1 036	241
1988	11 658	601	223	378	11 057	1 433	3 725	2 839	1 783	1 018	261
1989	11 953	625	237	388	11 328	1 467	3 801	2 981	1 844	970	265
1990	12 175	598	194	404	11 577	1 409	3 803	3 287	1 897	933	248
1991	12 074	494	161	334	11 580	1 373	3 714	3 401	1 892	957	243
1992	12 151	492	157	335	11 659	1 343	3 699	3 441	1 964	965	246
1993	12 382	494	171	323	11 888	1 377	3 700	3 584	2 059	941	226
1994	12 835	552	224	328	12 284	1 449	3 732	3 722	2 178	953	251
1995	13 279	586	223	363	12 693	1 443	3 844	3 861	2 288	1 004	253
1996	13 542	613	233	380	12 929	1 411	3 851	3 974	2 426	1 025	241
1997	13 969	631	229	401	13 339	1 456	3 903	4 094	2 588	1 048	249
1998	14 556	736	246	490	13 820	1 496	3 967	4 238	2 739	1 118	262
1999	15 056	691	243	448	14 365	1 594	4 091	4 404	2 872	1 134	271
2000	15 156	711	260	451	14 444	1 593	3 993	4 261	3 073	1 226	300
2001	15 006	637	230	408	14 368	1 571	3 840	4 200	3 139	1 283	335
2002	14 872	611	193	417	14 262	1 543	3 726	4 109	3 220	1 332	332
2003	14 739	516	196	320	14 222	1 516	3 618	4 080	3 289	1 373	346
HISPANIC											
1973	3 396	325	...	...	...	...	...	...	...	...	...
1974	3 687	355	...	...	...	...	...	...	...	...	...
1975	3 663	322	...	...	...	...	...	...	...	...	...
1976	3 720	341	124	230	3 436	614	1 135	803	573	269	42
1977	4 079	381	135	245	3 715	715	1 212	860	608	269	50
1978	4 527	423	159	264	4 104	803	1 330	942	661	307	62
1979	4 785	445	152	292	4 340	860	1 430	996	666	319	69
1980	5 527	500	174	325	5 028	998	1 675	1 074	811	389	80
1981	5 813	459	155	304	5 354	1 060	1 837	1 147	829	399	82
1982	5 805	410	119	291	5 394	1 030	1 896	1 173	816	399	80
1983	6 072	423	125	297	5 649	1 068	1 997	1 224	837	441	81
1984	6 651	468	148	320	6 182	1 160	2 201	1 385	883	474	79
1985	6 888	438	144	294	6 449	1 187	2 316	1 473	913	486	75
1986	7 219	430	146	284	6 789	1 231	2 427	1 570	1 011	474	76
1987	7 790	474	149	325	7 316	1 273	2 668	1 775	1 010	512	76
1988	8 250	523	171	353	7 727	1 341	2 749	1 876	1 078	585	97
1989	8 573	548	165	383	8 025	1 325	2 900	1 968	1 129	589	114
1990	9 845	668	208	460	9 177	1 672	3 327	2 229	1 235	611	103
1991	9 828	602	169	433	9 225	1 622	3 264	2 333	1 266	637	103
1992	10 027	577	169	408	9 450	1 575	3 350	2 468	1 316	628	112
1993	10 361	570	160	410	9 792	1 574	3 446	2 605	1 402	630	135
1994	10 788	609	195	415	10 178	1 643	3 517	2 737	1 495	647	139
1995	11 127	645	194	450	10 483	1 609	3 618	2 889	1 565	666	135
1996	11 642	646	199	447	10 996	1 628	3 758	3 115	1 595	748	152
1997	12 726	714	228	487	12 012	1 798	4 029	3 371	1 846	794	173
1998	13 291	793	230	563	12 498	1 883	4 113	3 504	1 994	846	158
1999	13 720	854	254	600	12 866	1 881	4 097	3 738	2 074	886	190
2000	15 735	973	285	688	14 762	2 356	4 950	4 052	2 308	898	197
2001	16 190	969	268	701	15 221	2 404	5 065	4 149	2 472	944	187
2002	16 590	882	254	628	15 708	2 413	5 272	4 273	2 511	1 029	209
2003	17 372	768	242	525	16 604	2 399	5 541	4 573	2 711	1 132	249

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.
 ... = Not available.

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE MEN¹											
1954	37 846	1 723	771	953	36 123	2 394	9 287	9 175	7 614	...	2 241
1955	38 719	1 824	821	1 004	36 895	2 607	9 461	9 351	7 792	5 431	2 254
1956	39 368	1 893	890	1 002	37 475	2 850	9 330	9 449	7 950	5 559	2 336
1957	39 349	1 865	874	990	37 484	2 930	9 226	9 480	8 067	5 542	2 234
1958	38 591	1 783	852	932	36 808	2 896	8 861	9 386	8 061	5 501	2 103
1959	39 494	1 961	915	1 046	37 533	3 153	8 911	9 560	8 261	5 588	2 060
1960	39 755	2 092	973	1 119	37 663	3 264	8 777	9 589	8 372	5 618	2 043
1961	39 588	2 055	891	1 164	37 533	3 311	8 630	9 566	8 394	5 670	1 961
1962	40 016	2 098	883	1 215	37 918	3 426	8 514	9 718	8 512	5 749	1 998
1963	40 428	2 156	972	1 184	38 272	3 646	8 463	9 782	8 650	5 844	1 887
1964	41 115	2 316	1 128	1 188	38 799	3 856	8 538	9 800	8 787	5 945	1 872
1965	41 844	2 612	1 159	1 453	39 232	4 025	8 598	9 795	8 924	5 998	1 892
1966	42 331	2 913	1 245	1 668	39 418	4 028	8 674	9 719	9 029	6 096	1 871
1967	42 833	2 849	1 278	1 571	39 985	4 231	8 931	9 632	9 093	6 208	1 892
1968	43 411	2 908	1 319	1 589	40 503	4 226	9 315	9 522	9 198	6 316	1 926
1969	44 048	3 070	1 385	1 685	40 978	4 401	9 608	9 379	9 279	6 359	1 953
1970	44 178	3 066	1 374	1 692	41 112	4 601	9 784	9 202	9 271	6 340	1 914
1971	44 595	3 157	1 393	1 764	41 438	4 935	10 026	9 026	9 256	6 339	1 856
1972	45 944	3 416	1 470	1 947	42 528	5 431	10 664	9 047	9 236	6 363	1 786
1973	47 085	3 660	1 590	2 071	43 424	5 863	11 268	9 046	9 257	6 299	1 689
1974	47 674	3 728	1 611	2 117	43 946	5 965	11 701	9 027	9 242	6 304	1 706
1975	46 697	3 505	1 502	2 002	43 192	5 770	11 783	8 818	9 005	6 160	1 656
1976	47 775	3 604	1 501	2 103	44 171	6 140	12 362	8 944	8 968	6 176	1 579
1977	49 150	3 824	1 607	2 217	45 326	6 437	12 893	9 212	8 898	6 279	1 605
1978	50 544	3 950	1 664	2 286	46 594	6 717	13 413	9 608	8 840	6 339	1 677
1979	51 452	3 904	1 654	2 250	47 546	6 868	13 888	9 930	8 748	6 406	1 707
1980	51 127	3 708	1 534	2 174	47 419	6 652	14 009	10 077	8 586	6 412	1 684
1981	51 315	3 469	1 402	2 066	47 846	6 652	14 398	10 307	8 518	6 309	1 662
1982	50 287	3 079	1 214	1 865	47 209	6 372	14 164	10 593	8 267	6 188	1 624
1983	50 621	3 003	1 124	1 879	47 618	6 386	14 297	11 062	8 152	6 084	1 637
1984	52 462	3 001	1 140	1 861	49 461	6 647	15 045	11 776	8 320	6 108	1 564
1985	53 046	2 985	1 185	1 800	50 061	6 428	15 374	12 214	8 374	6 118	1 552
1986	53 785	2 966	1 225	1 741	50 818	6 340	15 790	12 620	8 442	6 012	1 612
1987	54 647	2 999	1 252	1 747	51 649	6 150	16 084	13 138	8 596	5 991	1 690
1988	55 550	3 084	1 248	1 836	52 466	5 987	16 241	13 590	8 992	5 909	1 748
1989	56 352	3 060	1 171	1 889	53 292	5 839	16 383	14 046	9 335	5 891	1 797
1990	56 703	3 018	1 119	1 899	53 685	6 179	16 124	14 496	9 383	5 744	1 760
1991	55 797	2 694	1 017	1 677	53 103	5 942	15 644	14 743	9 488	5 578	1 707
1992	55 959	2 602	990	1 612	53 357	5 855	15 357	14 842	10 027	5 503	1 772
1993	56 656	2 634	1 031	1 603	54 021	5 830	15 230	15 178	10 497	5 514	1 772
1994	57 452	2 776	1 144	1 632	54 676	5 738	15 052	15 562	10 910	5 490	1 925
1995	58 146	2 892	1 169	1 723	55 254	5 613	14 958	15 793	11 359	5 609	1 921
1996	58 888	2 911	1 161	1 750	55 977	5 444	14 820	16 136	11 834	5 755	1 987
1997	59 998	3 011	1 206	1 806	56 986	5 590	14 567	16 470	12 352	5 972	2 037
1998	60 604	3 103	1 233	1 870	57 500	5 659	14 259	16 715	12 661	6 251	1 955
1999	61 139	3 205	1 254	1 951	57 934	5 753	13 851	16 781	13 046	6 447	2 056
2000	62 289	3 169	1 205	1 965	59 119	5 876	14 238	16 477	13 675	6 678	2 175
2001	62 212	2 967	1 102	1 865	59 245	5 870	13 989	16 280	13 987	6 941	2 178
2002	61 849	2 725	987	1 738	59 124	5 882	13 727	15 910	14 060	7 360	2 184
2003	61 866	2 518	972	1 546	59 348	5 890	13 731	15 675	14 117	7 640	2 295

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE WOMEN¹											
1954	16 111	1 355	486	869	14 756	1 964	3 329	3 825	3 197	1 850	590
1955	17 114	1 401	509	892	15 713	2 030	3 394	3 976	3 530	2 079	703
1956	17 901	1 496	575	920	16 405	2 047	3 418	4 188	3 756	2 263	732
1957	18 116	1 509	568	941	16 607	2 022	3 393	4 236	3 942	2 287	717
1958	18 022	1 433	518	915	16 589	2 012	3 267	4 185	4 052	2 348	725
1959	18 512	1 514	605	909	16 998	1 985	3 233	4 270	4 291	2 475	745
1960	19 095	1 608	625	984	17 487	2 067	3 244	4 341	4 448	2 574	812
1961	19 325	1 638	581	1 056	17 687	2 149	3 205	4 339	4 512	2 665	817
1962	19 682	1 676	564	1 112	18 006	2 250	3 189	4 455	4 554	2 762	797
1963	20 194	1 695	628	1 066	18 499	2 390	3 226	4 559	4 654	2 874	796
1964	20 807	1 760	718	1 042	19 047	2 588	3 256	4 580	4 809	2 971	845
1965	21 602	1 950	733	1 217	19 652	2 727	3 394	4 678	4 880	3 118	856
1966	22 690	2 263	807	1 456	20 427	2 958	3 594	4 730	5 043	3 260	842
1967	23 528	2 265	843	1 422	21 263	3 262	3 832	4 797	5 131	3 388	854
1968	24 339	2 287	874	1 413	22 052	3 461	4 095	4 864	5 289	3 465	878
1969	25 470	2 438	962	1 476	23 032	3 781	4 327	4 891	5 509	3 588	935
1970	26 039	2 505	1 012	1 493	23 534	3 959	4 542	4 890	5 582	3 640	921
1971	26 283	2 513	1 011	1 502	23 770	4 065	4 687	4 831	5 588	3 675	924
1972	27 426	2 755	1 111	1 645	24 669	4 286	5 240	4 893	5 608	3 714	928
1973	28 623	2 962	1 217	1 746	25 661	4 562	5 831	5 036	5 628	3 684	920
1974	29 511	3 069	1 269	1 799	26 442	4 711	6 340	5 169	5 706	3 654	862
1975	29 714	2 983	1 215	1 767	26 731	4 775	6 701	5 161	5 550	3 667	877
1976	31 078	3 120	1 260	1 860	27 958	4 978	7 300	5 462	5 580	3 746	891
1977	32 550	3 244	1 319	1 923	29 306	5 259	7 950	5 772	5 585	3 829	912
1978	34 392	3 416	1 420	1 996	30 975	5 535	8 595	6 201	5 710	3 972	964
1979	35 807	3 451	1 423	2 027	32 357	5 726	9 145	6 648	5 773	4 071	993
1980	36 587	3 314	1 327	1 986	33 275	5 753	9 644	6 994	5 818	4 064	1 001
1981	37 394	3 119	1 242	1 877	34 275	5 826	10 153	7 311	5 896	4 077	1 013
1982	37 615	2 905	1 103	1 802	34 710	5 724	10 367	7 675	5 816	4 095	1 032
1983	38 272	2 796	1 032	1 764	35 476	5 751	10 659	8 132	5 809	4 084	1 041
1984	39 659	2 835	1 069	1 766	36 823	5 804	11 190	8 776	5 920	4 118	1 015
1985	40 690	2 783	1 085	1 698	37 907	5 807	11 571	9 338	6 084	4 128	978
1986	41 876	2 825	1 160	1 665	39 050	5 687	11 956	9 895	6 307	4 164	1 042
1987	43 142	2 900	1 216	1 684	40 242	5 598	12 345	10 459	6 620	4 172	1 047
1988	44 262	2 946	1 176	1 770	41 316	5 450	12 555	10 878	7 062	4 244	1 126
1989	45 232	2 886	1 107	1 779	42 346	5 245	12 708	11 395	7 440	4 332	1 227
1990	45 558	2 762	1 023	1 739	42 796	5 319	12 649	11 785	7 551	4 217	1 275
1991	45 385	2 523	954	1 569	42 862	5 174	12 344	12 139	7 781	4 141	1 283
1992	45 710	2 383	915	1 468	43 327	5 176	12 195	12 254	8 258	4 198	1 246
1993	46 390	2 479	959	1 520	43 910	5 101	12 044	12 467	8 776	4 258	1 265
1994	47 738	2 622	1 066	1 556	45 116	4 997	12 049	12 880	9 338	4 423	1 429
1995	48 344	2 701	1 104	1 597	45 643	4 787	12 056	13 157	9 768	4 461	1 415
1996	48 920	2 756	1 164	1 592	46 164	4 705	11 858	13 430	10 237	4 558	1 376
1997	49 859	2 796	1 136	1 660	47 063	4 773	11 727	13 667	10 709	4 813	1 374
1998	50 327	2 986	1 203	1 783	47 342	4 853	11 470	13 604	11 001	5 021	1 392
1999	51 096	2 999	1 181	1 817	48 098	4 963	11 262	13 767	11 461	5 211	1 435
2000	52 136	2 991	1 178	1 813	49 145	5 068	11 262	13 674	12 087	5 490	1 564
2001	52 218	2 850	1 122	1 727	49 369	5 184	10 959	13 513	12 314	5 802	1 597
2002	52 164	2 716	1 050	1 665	49 448	5 214	10 842	13 138	12 341	6 269	1 644
2003	52 369	2 546	1 027	1 519	49 823	5 161	10 668	12 826	12 645	6 735	1 788

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK MEN¹											
1972	4 368	309	114	195	4 058	648	1 074	890	793	499	156
1973	4 527	330	112	220	4 197	711	1 142	898	816	483	148
1974	4 527	322	114	209	4 204	668	1 176	912	803	500	145
1975	4 275	276	98	179	3 998	595	1 159	865	755	487	137
1976	4 404	283	100	184	4 120	635	1 217	897	763	472	137
1977	4 565	291	105	186	4 273	659	1 271	940	777	484	143
1978	4 796	312	106	206	4 483	697	1 357	969	788	516	155
1979	4 923	316	111	205	4 606	754	1 425	983	801	498	147
1980	4 798	299	109	191	4 498	713	1 438	975	770	478	126
1981	4 794	273	95	178	4 520	693	1 457	991	764	492	123
1982	4 637	223	65	158	4 414	660	1 414	997	750	471	122
1983	4 753	222	64	158	4 531	684	1 483	1 034	749	477	105
1984	5 124	252	79	173	4 871	750	1 635	1 138	780	460	108
1985	5 270	278	92	186	4 992	726	1 669	1 187	795	501	114
1986	5 428	278	96	182	5 150	732	1 756	1 211	831	507	112
1987	5 661	304	109	195	5 357	728	1 821	1 283	853	547	124
1988	5 824	316	122	193	5 509	736	1 881	1 348	878	536	131
1989	5 928	327	124	202	5 602	742	1 931	1 415	886	498	131
1990	5 995	303	99	204	5 692	702	1 895	1 586	926	469	114
1991	5 961	255	85	170	5 706	695	1 859	1 634	923	481	114
1992	5 930	249	78	170	5 681	679	1 819	1 650	930	478	124
1993	6 047	254	88	166	5 793	674	1 858	1 717	978	461	106
1994	6 241	276	107	169	5 964	718	1 850	1 795	1 030	455	115
1995	6 422	285	111	174	6 137	714	1 895	1 836	1 085	468	138
1996	6 456	289	109	180	6 167	685	1 867	1 878	1 129	482	126
1997	6 607	282	108	174	6 325	668	1 874	1 955	1 215	487	127
1998	6 871	341	120	221	6 530	686	1 886	2 008	1 284	524	142
1999	7 027	325	120	205	6 702	700	1 926	2 092	1 327	525	131
2000	7 082	341	129	211	6 741	730	1 865	1 984	1 425	596	142
2001	6 938	311	115	196	6 627	703	1 757	1 931	1 452	614	170
2002	6 959	306	95	212	6 652	725	1 729	1 899	1 503	624	172
2003	6 820	234	89	145	6 586	726	1 660	1 868	1 518	638	176
BLACK WOMEN¹											
1972	3 433	200	65	134	3 233	519	850	739	641	373	113
1973	3 601	239	81	158	3 362	546	920	761	644	389	101
1974	3 677	232	77	155	3 445	562	981	770	649	383	98
1975	3 618	231	85	146	3 388	520	985	752	638	387	104
1976	3 823	224	70	154	3 599	558	1 092	782	653	398	115
1977	3 975	217	64	153	3 758	585	1 172	814	671	408	109
1978	4 307	260	85	175	4 047	662	1 283	879	691	416	118
1979	4 436	263	92	171	4 174	670	1 333	919	692	428	119
1980	4 515	248	82	165	4 267	663	1 389	936	717	448	113
1981	4 561	232	75	157	4 329	653	1 415	966	725	462	108
1982	4 552	205	73	132	4 347	623	1 416	1 028	719	457	103
1983	4 622	194	59	136	4 428	596	1 493	1 073	707	460	99
1984	4 995	222	67	155	4 773	673	1 588	1 173	753	485	101
1985	5 231	254	83	171	4 977	673	1 656	1 240	804	484	121
1986	5 386	259	87	171	5 128	696	1 708	1 313	835	475	102
1987	5 648	283	93	190	5 365	693	1 793	1 412	860	489	117
1988	5 834	285	101	184	5 548	697	1 844	1 491	905	482	129
1989	6 025	298	113	185	5 727	725	1 870	1 566	959	472	134
1990	6 180	296	96	200	5 884	707	1 907	1 701	971	464	135
1991	6 113	239	76	164	5 874	677	1 855	1 768	969	476	129
1992	6 221	243	79	164	5 978	664	1 880	1 791	1 034	487	123
1993	6 334	239	82	157	6 095	703	1 842	1 867	1 081	480	121
1994	6 595	275	117	158	6 320	731	1 882	1 926	1 147	497	136
1995	6 857	301	112	189	6 556	729	1 949	2 025	1 202	536	114
1996	7 086	324	124	200	6 762	726	1 984	2 096	1 297	543	115
1997	7 362	349	122	227	7 013	789	2 029	2 139	1 373	561	122
1998	7 685	395	126	268	7 290	810	2 081	2 230	1 455	594	120
1999	8 029	366	123	243	7 663	893	2 165	2 312	1 545	609	139
2000	8 073	370	131	240	7 703	862	2 128	2 277	1 647	630	158
2001	8 068	327	115	212	7 741	868	2 084	2 269	1 686	668	165
2002	7 914	304	99	205	7 610	819	1 997	2 209	1 717	708	160
2003	7 919	283	107	175	7 636	790	1 959	2 211	1 770	735	171

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-11. Employed Civilians by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
HISPANIC MEN											
1973	2 198	...	...	...	2 010	...	...	...	...	...	...
1974	2 369	...	...	...	2 165	...	...	...	...	...	...
1975	2 301	...	...	...	2 117	...	...	...	...	...	...
1976	2 303	199	74	125	2 109	364	708	504	369	173	...
1977	2 564	225	78	147	2 335	427	763	540	394	184	...
1978	2 808	241	93	147	2 568	494	824	590	405	207	...
1979	2 962	260	93	168	2 701	511	891	615	427	205	...
1980	3 448	306	109	198	3 142	611	1 065	662	491	254	...
1981	3 597	272	90	182	3 325	642	1 157	707	504	259	...
1982	3 583	229	66	162	3 354	621	1 192	729	498	261	...
1983	3 771	248	71	177	3 523	655	1 280	760	499	275	...
1984	4 083	258	78	180	3 825	718	1 398	841	530	292	...
1985	4 245	251	82	169	3 994	727	1 473	888	550	308	...
1986	4 428	254	82	172	4 174	773	1 510	929	614	297	...
1987	4 713	268	81	188	4 444	777	1 664	1 044	606	303	...
1988	4 972	292	87	205	4 680	815	1 706	1 120	645	331	...
1989	5 172	319	94	225	4 853	821	1 787	1 152	676	350	...
1990	6 021	412	126	286	5 609	1 083	2 076	1 312	722	355	...
1991	5 979	356	94	263	5 623	1 063	2 050	1 360	719	369	...
1992	6 093	336	97	238	5 757	985	2 127	1 437	768	372	...
1993	6 328	337	95	242	5 992	1 003	2 200	1 527	822	360	...
1994	6 530	341	109	233	6 189	1 056	2 227	1 600	847	379	79
1995	6 725	358	110	248	6 367	1 030	2 284	1 675	908	384	85
1996	7 039	384	107	277	6 655	1 015	2 345	1 842	918	438	96
1997	7 728	420	130	290	7 307	1 142	2 547	1 978	1 059	477	105
1998	8 018	449	133	315	7 570	1 173	2 592	2 077	1 115	512	101
1999	8 067	491	139	352	7 576	1 135	2 524	2 135	1 151	502	130
2000	9 428	570	159	411	8 859	1 486	3 063	2 358	1 295	532	126
2001	9 668	568	149	419	9 100	1 473	3 142	2 446	1 375	545	119
2002	9 845	504	141	363	9 341	1 476	3 271	2 503	1 396	569	125
2003	10 479	415	121	294	10 063	1 485	3 537	2 724	1 533	639	144
HISPANIC WOMEN											
1973	1 198	...	...	...	1 060	...	...	...	...	...	...
1974	1 319	...	...	...	1 166	...	...	...	...	...	...
1975	1 362	...	...	...	1 224	...	...	...	...	...	...
1976	1 417	155	50	106	1 288	249	427	300	204	96	...
1977	1 516	155	57	98	1 370	288	449	320	214	86	...
1978	1 719	182	65	117	1 537	308	506	352	256	99	...
1979	1 824	185	60	125	1 638	349	539	381	241	115	...
1980	2 079	193	65	128	1 886	387	610	412	320	136	...
1981	2 216	187	65	122	2 029	418	680	440	326	139	...
1982	2 222	181	52	129	2 040	409	704	444	318	139	...
1983	2 301	175	54	120	2 127	413	717	464	338	166	...
1984	2 568	211	71	140	2 357	442	804	544	354	181	...
1985	2 642	187	62	125	2 456	460	843	585	362	178	...
1986	2 791	176	64	112	2 615	458	917	641	397	177	...
1987	3 077	206	69	137	2 872	496	1 004	732	405	209	...
1988	3 278	231	84	147	3 047	526	1 042	756	434	254	...
1989	3 401	229	71	158	3 172	504	1 114	816	453	239	...
1990	3 823	256	82	174	3 567	588	1 251	917	513	256	...
1991	3 848	246	76	170	3 603	559	1 214	972	548	268	...
1992	3 934	242	72	170	3 693	591	1 223	1 031	548	256	...
1993	4 033	233	65	168	3 800	571	1 246	1 077	581	269	...
1994	4 258	268	86	182	3 989	587	1 290	1 137	648	268	59
1995	4 403	287	85	202	4 116	579	1 334	1 213	657	282	50
1996	4 602	261	92	169	4 341	612	1 412	1 273	677	310	56
1997	4 999	294	98	196	4 705	656	1 482	1 393	787	318	69
1998	5 273	345	97	247	4 928	710	1 521	1 428	879	334	57
1999	5 653	363	115	248	5 290	746	1 574	1 603	923	384	60
2000	6 307	404	127	277	5 903	870	1 887	1 695	1 013	366	72
2001	6 522	401	119	282	6 121	931	1 923	1 703	1 097	398	67
2002	6 744	378	113	265	6 367	937	2 001	1 770	1 114	460	84
2003	6 894	353	121	231	6 541	914	2 004	1 849	1 178	493	105

... = Not available.

Table 1-12. Civilian Employment to Population Ratios by Sex, Race, Hispanic Origin, and Age, 1948–2003

(Percent.)

Year, race, and Hispanic origin	Total			Men			Women		
	16 years and over	16 to 19 years	20 years and over	16 years and over	16 to 19 years	20 years and over	16 years and over	16 to 19 years	20 years and over
TOTAL									
1948	56.6	47.7	57.4	83.5	57.5	85.8	31.3	38.5	30.7
1949	55.4	45.2	56.3	81.3	53.8	83.7	31.2	37.2	30.6
1950	56.1	45.5	57.0	82.0	55.2	84.2	32.0	36.3	31.6
1951	57.3	47.9	58.1	84.0	57.9	86.1	33.1	38.9	32.6
1952	57.3	46.9	58.1	83.9	55.9	86.2	33.4	38.8	33.0
1953	57.1	46.4	58.0	83.6	55.9	85.9	33.3	37.8	32.9
1954	55.5	42.3	56.6	81.0	50.2	83.5	32.5	34.9	32.3
1955	56.7	43.5	57.8	81.8	52.1	84.3	34.0	35.6	33.8
1956	57.5	45.3	58.5	82.3	53.8	84.6	35.1	37.5	34.9
1957	57.1	43.9	58.2	81.3	51.8	83.8	35.1	36.7	35.0
1958	55.4	39.9	56.8	78.5	46.9	81.2	34.5	33.5	34.6
1959	56.0	39.9	57.5	79.3	47.2	82.3	35.0	33.0	35.1
1960	56.1	40.5	57.6	78.9	47.6	81.9	35.5	33.8	35.7
1961	55.4	39.1	56.9	77.6	45.3	80.8	35.4	33.2	35.6
1962	55.5	39.4	57.1	77.7	45.9	80.9	35.6	33.3	35.8
1963	55.4	37.4	57.2	77.1	43.8	80.6	35.8	31.5	36.3
1964	55.7	37.3	57.7	77.3	44.1	80.9	36.3	30.9	36.9
1965	56.2	38.9	58.2	77.5	46.2	81.2	37.1	32.0	37.6
1966	56.9	42.1	58.7	77.9	48.9	81.5	38.3	35.6	38.6
1967	57.3	42.2	59.0	78.0	48.7	81.5	39.0	35.9	39.3
1968	57.5	42.2	59.3	77.8	48.7	81.3	39.6	36.0	40.0
1969	58.0	43.4	59.7	77.6	49.5	81.1	40.7	37.5	41.1
1970	57.4	42.3	59.2	76.2	47.7	79.7	40.8	37.1	41.2
1971	56.6	41.3	58.4	74.9	46.8	78.5	40.4	36.0	40.9
1972	57.0	43.5	58.6	75.0	48.9	78.4	41.0	38.2	41.3
1973	57.8	45.9	59.3	75.5	51.4	78.6	42.0	40.5	42.2
1974	57.8	46.0	59.2	74.9	51.2	77.9	42.6	41.0	42.8
1975	56.1	43.3	57.6	71.7	47.2	74.8	42.0	39.4	42.3
1976	56.8	44.2	58.3	72.0	47.9	75.1	43.2	40.5	43.5
1977	57.9	46.1	59.2	72.8	50.4	75.6	44.5	41.8	44.8
1978	59.3	48.3	60.6	73.8	52.2	76.4	46.4	44.5	46.6
1979	59.9	48.5	61.2	73.8	51.7	76.5	47.5	45.3	47.7
1980	59.2	46.6	60.6	72.0	49.5	74.6	47.7	43.8	48.1
1981	59.0	44.6	60.5	71.3	47.1	74.0	48.0	42.0	48.6
1982	57.8	41.5	59.4	69.0	42.9	71.8	47.7	40.2	48.4
1983	57.9	41.5	59.5	68.8	43.1	71.4	48.0	40.0	48.8
1984	59.5	43.7	61.0	70.7	45.0	73.2	49.5	42.5	50.1
1985	60.1	44.4	61.5	70.9	45.7	73.3	50.4	42.9	51.0
1986	60.7	44.6	62.1	71.0	45.7	73.3	51.4	43.6	52.0
1987	61.5	45.5	62.9	71.5	46.1	73.8	52.5	44.8	53.1
1988	62.3	46.8	63.6	72.0	47.8	74.2	53.4	45.9	54.0
1989	63.0	47.5	64.2	72.5	48.7	74.5	54.3	46.4	54.9
1990	62.8	45.3	64.3	72.0	46.6	74.3	54.3	44.0	55.2
1991	61.7	42.0	63.2	70.4	42.7	72.7	53.7	41.2	54.6
1992	61.5	41.0	63.0	69.8	41.9	72.1	53.8	40.0	54.8
1993	61.7	41.7	63.3	70.0	42.3	72.3	54.1	41.0	55.0
1994	62.5	43.4	64.0	70.4	43.8	72.6	55.3	43.0	56.2
1995	62.9	44.2	64.4	70.8	44.7	73.0	55.6	43.8	56.5
1996	63.2	43.5	64.7	70.9	43.6	73.2	56.0	43.5	57.0
1997	63.8	43.4	65.5	71.3	43.4	73.7	56.8	43.3	57.8
1998	64.1	45.1	65.6	71.6	44.7	73.9	57.1	45.5	58.0
1999	64.3	44.7	65.9	71.6	45.1	74.0	57.4	44.3	58.5
2000	64.4	45.2	66.0	71.9	45.4	74.2	57.5	45.0	58.4
2001	63.7	42.3	65.4	70.9	42.2	73.3	57.0	42.4	58.1
2002	62.7	39.6	64.6	69.7	38.9	72.3	56.3	40.3	57.5
2003	62.3	36.8	64.3	68.9	35.7	71.7	56.1	37.8	57.5

Table 1-12. Civilian Employment to Population Ratios by Sex, Race, Hispanic Origin, and Age, 1948–2003—Continued

(Percent.)

Year, race, and Hispanic origin	Total			Men			Women		
	16 years and over	16 to 19 years	20 years and over	16 years and over	16 to 19 years	20 years and over	16 years and over	16 to 19 years	20 years and over
WHITE¹									
1954	55.2	42.9	56.2	81.5	49.9	84.0	31.4	36.4	31.1
1955	56.5	44.2	57.4	82.2	52.0	84.7	33.0	37.0	32.7
1956	57.3	46.1	58.2	82.7	54.1	85.0	34.2	38.9	33.8
1957	56.8	45.0	57.8	81.8	52.4	84.1	34.2	38.2	33.9
1958	55.3	41.0	56.5	79.2	47.6	81.8	33.6	35.0	33.5
1959	55.9	41.2	57.2	79.9	48.1	82.8	34.0	34.8	34.0
1960	55.9	41.5	57.2	79.4	48.1	82.4	34.6	35.1	34.5
1961	55.3	40.1	56.7	78.2	45.9	81.4	34.5	34.6	34.5
1962	55.4	40.4	56.9	78.4	46.4	81.5	34.7	34.8	34.7
1963	55.3	38.6	56.9	77.7	44.7	81.1	35.0	32.9	35.2
1964	55.5	38.4	57.3	77.8	45.0	81.3	35.5	32.2	35.8
1965	56.0	40.3	57.8	77.9	47.1	81.5	36.2	33.7	36.5
1966	56.8	43.6	58.3	78.3	50.1	81.7	37.5	37.5	37.5
1967	57.2	43.8	58.7	78.4	50.2	81.7	38.3	37.7	38.3
1968	57.4	43.9	59.0	78.3	50.3	81.6	38.9	37.8	39.1
1969	58.0	45.2	59.4	78.2	51.1	81.4	40.1	39.5	40.1
1970	57.5	44.5	59.0	76.8	49.6	80.1	40.3	39.5	40.4
1971	56.8	43.8	58.3	75.7	49.2	79.0	39.9	38.6	40.1
1972	57.4	46.4	58.6	76.0	51.5	79.0	40.7	41.3	40.6
1973	58.2	48.9	59.3	76.5	54.3	79.2	41.8	43.6	41.6
1974	58.3	49.3	59.3	75.9	54.4	78.6	42.4	44.3	42.2
1975	56.7	46.5	57.9	73.0	50.6	75.7	42.0	42.5	41.9
1976	57.5	47.8	58.6	73.4	51.5	76.0	43.2	44.2	43.1
1977	58.6	50.1	59.6	74.1	54.4	76.5	44.5	45.9	44.4
1978	60.0	52.4	60.8	75.0	56.3	77.2	46.3	48.5	46.1
1979	60.6	52.6	61.5	75.1	55.7	77.3	47.5	49.4	47.3
1980	60.0	50.7	61.0	73.4	53.4	75.6	47.8	47.9	47.8
1981	60.0	48.7	61.1	72.8	51.3	75.1	48.3	46.2	48.5
1982	58.8	45.8	60.1	70.6	47.0	73.0	48.1	44.6	48.4
1983	58.9	45.9	60.1	70.4	47.4	72.6	48.5	44.5	48.9
1984	60.5	48.0	61.5	72.1	49.1	74.3	49.8	47.0	50.0
1985	61.0	48.5	62.0	72.3	49.9	74.3	50.7	47.1	51.0
1986	61.5	48.8	62.6	72.3	49.6	74.3	51.7	47.9	52.0
1987	62.3	49.4	63.4	72.7	49.9	74.7	52.8	49.0	53.1
1988	63.1	50.9	64.1	73.2	51.7	75.1	53.8	50.2	54.0
1989	63.8	51.6	64.7	73.7	52.6	75.4	54.6	50.5	54.9
1990	63.7	49.7	64.8	73.3	51.0	75.1	54.7	48.3	55.2
1991	62.6	46.6	63.7	71.6	47.2	73.5	54.2	45.9	54.8
1992	62.4	45.3	63.6	71.1	46.4	73.1	54.2	44.2	54.9
1993	62.7	46.2	63.9	71.4	46.6	73.3	54.6	45.7	55.2
1994	63.5	47.9	64.7	71.8	48.3	73.6	55.8	47.5	56.4
1995	63.8	48.8	64.9	72.0	49.4	73.8	56.1	48.1	56.7
1996	64.1	47.9	65.3	72.3	48.2	74.2	56.3	47.6	57.0
1997	64.6	47.7	65.9	72.7	48.1	74.7	57.0	47.2	57.8
1998	64.7	48.9	65.9	72.7	48.6	74.7	57.1	49.3	57.7
1999	64.8	48.8	66.1	72.8	49.3	74.8	57.3	48.3	58.0
2000	64.9	49.1	66.1	73.0	49.5	74.9	57.4	48.8	58.0
2001	64.2	46.3	65.6	72.0	46.2	74.0	57.0	46.5	57.7
2002	63.4	43.2	64.9	70.8	42.3	73.1	56.4	44.1	57.3
2003	63.0	40.4	64.7	70.1	39.4	72.5	56.3	41.5	57.3

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-12. Civilian Employment to Population Ratios by Sex, Race, Hispanic Origin, and Age, 1948–2003—Continued

(Percent.)

Year, race, and Hispanic origin	Total			Men			Women		
	16 years and over	16 to 19 years	20 years and over	16 years and over	16 to 19 years	20 years and over	16 years and over	16 to 19 years	20 years and over
BLACK¹									
1972	53.7	25.2	58.3	66.8	31.6	73.0	43.0	19.2	46.5
1973	54.5	27.2	58.9	67.5	32.8	73.7	43.8	22.0	47.2
1974	53.5	25.9	58.0	65.8	31.4	71.9	43.5	20.9	46.9
1975	50.1	23.1	54.5	60.6	26.3	66.5	41.6	20.2	44.9
1976	50.8	22.4	55.4	60.6	25.8	66.8	42.8	19.2	46.4
1977	51.4	22.3	56.0	61.4	26.4	67.5	43.3	18.5	47.0
1978	53.6	25.2	58.0	63.3	28.5	69.1	45.8	22.1	49.3
1979	53.8	25.4	58.1	63.4	28.7	69.1	46.0	22.4	49.3
1980	52.3	23.9	56.4	60.4	27.0	65.8	45.7	21.0	49.1
1981	51.3	22.1	55.5	59.1	24.6	64.5	45.1	19.7	48.5
1982	49.4	19.0	53.6	56.0	20.3	61.4	44.2	17.7	47.5
1983	49.5	18.7	53.6	56.3	20.4	61.6	44.1	17.0	47.4
1984	52.3	21.9	56.1	59.2	23.9	64.1	46.7	20.1	49.8
1985	53.4	24.6	57.0	60.0	26.3	64.6	48.1	23.1	50.9
1986	54.1	25.1	57.6	60.6	26.5	65.1	48.8	23.8	51.6
1987	55.6	27.1	58.9	62.0	28.5	66.4	50.3	25.8	53.0
1988	56.3	27.6	59.7	62.7	29.4	67.1	51.2	25.8	53.9
1989	56.9	28.7	60.1	62.8	30.4	67.0	52.0	27.1	54.6
1990	56.7	26.7	60.2	62.6	27.7	67.1	51.9	25.8	54.7
1991	55.4	22.6	59.0	61.3	23.8	65.9	50.6	21.5	53.6
1992	54.9	22.8	58.3	59.9	23.6	64.3	50.8	22.1	53.6
1993	55.0	22.6	58.4	60.0	23.6	64.3	50.9	21.6	53.8
1994	56.1	24.9	59.4	60.8	25.4	65.0	52.3	24.5	55.0
1995	57.1	25.7	60.5	61.7	25.2	66.1	53.4	26.1	56.1
1996	57.4	26.0	60.8	61.1	24.9	65.5	54.4	27.1	57.1
1997	58.2	26.1	61.8	61.4	23.7	66.1	55.6	28.5	58.4
1998	59.7	30.1	63.0	62.9	28.4	67.1	57.2	31.8	59.7
1999	60.6	27.9	64.2	63.1	26.7	67.5	58.6	29.0	61.5
2000	60.9	29.8	64.2	63.6	28.9	67.7	58.6	30.6	61.3
2001	59.7	26.7	63.2	62.1	26.4	66.3	57.8	27.0	60.7
2002	58.1	25.3	61.6	61.1	25.6	65.2	55.8	24.9	58.7
2003	57.4	21.7	61.0	59.5	19.9	64.1	55.6	23.4	58.6
HISPANIC									
1973	55.6	...	...	...	...	...	...	...	...
1974	56.2	...	...	...	...	...	...	...	...
1975	53.4	...	...	...	...	...	...	...	...
1976	53.8	...	...	...	...	...	...	...	...
1977	55.4	...	...	...	...	...	...	...	...
1978	57.2	...	...	...	...	...	...	...	...
1979	58.3	...	...	...	...	...	...	...	...
1980	57.6	...	...	...	...	...	...	...	...
1981	57.4	...	...	...	...	...	...	...	...
1982	54.9	...	...	...	...	...	...	...	...
1983	55.1	...	...	...	...	...	...	...	...
1984	57.9	...	...	...	...	...	...	...	...
1985	57.8	...	...	...	...	...	...	...	...
1986	58.5	...	...	...	...	...	...	...	...
1987	60.5	...	...	...	...	...	...	...	...
1988	61.9	...	...	...	...	...	...	...	...
1989	62.2	...	...	...	...	...	...	...	...
1990	61.9	...	...	...	...	...	...	...	...
1991	59.8	...	...	...	...	...	...	...	...
1992	59.1	...	...	...	...	...	...	...	...
1993	59.1	...	...	...	...	...	...	...	...
1994	59.5	33.5	...	71.7	36.8	...	47.2	30.1	...
1995	59.7	34.4	...	72.1	37.5	...	47.3	31.3	...
1996	60.6	33.1	...	73.3	38.8	...	47.9	27.3	...
1997	62.6	33.7	...	74.5	37.6	...	50.2	29.3	...
1998	63.1	36.0	...	74.7	38.6	...	51.0	33.0	...
1999	63.4	37.0	...	75.3	41.2	...	51.7	32.5	...
2000	65.7	38.6	...	77.4	42.8	81.7	53.6	33.9	55.8
2001	64.9	38.6	...	76.2	43.3	79.9	53.3	33.5	55.4
2002	63.9	35.2	...	74.5	39.0	78.3	52.9	31.1	55.2
2003	63.1	30.2	...	74.3	31.9	78.6	51.2	28.4	53.6

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.
... = Not available.

Table 1-13. Employed Civilians by Occupation, Sex, Race, and Hispanic Origin, New Series, 2001–2003

(Thousands of people.)

Occupation	Total	Men	Women	White ¹	Black ¹	Hispanic
2001						
TOTAL	136933	73196	63737	114430	15006	16190
Management, professional, and related occupations	47043	23863	23180	40176	3868	2702
Management, business, and financial operations	19830	11687	8142	17480	1335	1097
Professional and related occupations	27213	12175	15038	22696	2533	1605
Life, physical, and social science occupations	1275	747	527	1057	76	51
Community and social services occupations	1917	756	1161	1481	354	136
Service occupations	21183	9158	12025	16545	3431	3753
Healthcare support occupations	2569	250	2319	1789	656	302
Protective service occupations	2664	2087	577	2075	497	283
Food preparation and serving related occupations	6723	2919	3804	5474	808	1320
Building and grounds cleaning and maintenance occupations	5008	3032	1975	3921	835	1365
Personal care and service occupations	4220	870	3349	3286	636	483
Sales and office occupations	35785	12709	23077	29984	4013	3633
Office and administrative support occupations	20098	4787	15311	16577	2583	2089
Natural resources, construction, and maintenance occupations	13688	13012	676	12262	977	2696
Farming, fishing, and forestry occupations	1052	794	259	960	51	410
Construction and extraction occupations	7920	7713	206	7124	556	1673
Installation, maintenance and repair occupations	4716	4505	211	4178	370	613
Production, transportation, and material moving occupations	19234	14455	4780	15462	2717	3406
Transportation and material moving occupations	8507	7210	1297	6800	1387	1339
2002						
TOTAL	136485	72903	63582	114013	14872	16590
Management, professional, and related occupations	47180	23612	23568	40318	3818	2822
Management, business, and financial operations	19823	11619	8204	17435	1364	1142
Professional and related occupations	27358	11993	15364	22883	2454	1679
Life, physical, and social science occupations	1287	741	545	1079	67	27
Community and social services occupations	2151	836	1315	1675	662	175
Service occupations	21766	9504	12261	16962	3519	3979
Healthcare support occupations	2694	260	2434	1836	712	324
Protective service occupations	2696	2139	557	2082	522	276
Food preparation and serving related occupations	6968	3077	3891	5647	823	1342
Building and grounds cleaning and maintenance occupations	5050	3094	1956	4000	819	1492
Personal care and service occupations	4358	934	3424	3397	643	545
Sales and office occupations	35408	12821	22587	29745	3872	3632
Office and administrative support occupations	19580	4690	14890	16123	2515	2058
Natural resources, construction, and maintenance occupations	13562	12874	688	12071	1009	2747
Farming, fishing, and forestry occupations	1040	788	252	928	58	430
Construction and extraction occupations	7898	7674	224	7076	573	1754
Installation, maintenance and repair occupations	4623	4412	212	4067	377	563
Production, transportation, and material moving occupations	18569	14091	4478	14918	2654	3410
Transportation and material moving occupations	8488	7228	1260	6797	1348	1400
2003						
TOTAL	137736	73332	64404	114235	14739	17372
Management, professional, and related occupations	47929	23735	24194	40558	3923	2925
Management, business, and financial operations	19934	11534	8400	17377	1368	1176
Professional and related occupations	27995	12201	15794	23181	2555	1749
Life, physical, and social science occupations	1375	783	592	1113	86	81
Community and social services occupations	2184	862	1323	1663	408	184
Service occupations	22086	9460	12626	17132	3408	4175
Healthcare support occupations	2926	311	2616	1996	738	365
Protective service occupations	2727	2164	563	2098	511	276
Food preparation and serving related occupations	7254	3151	4104	5797	842	1441
Building and grounds cleaning and maintenance occupations	4947	2920	2027	3920	740	1542
Personal care and service occupations	4232	915	3316	3321	578	550
Sales and office occupations	35496	12851	22645	29555	3881	3820
Office and administrative support occupations	19536	4714	14823	15968	2465	2167
Natural resources, construction, and maintenance occupations	14205	13541	665	12600	1022	3023
Farming, fishing, and forestry occupations	1050	819	231	954	49	423
Construction and extraction occupations	8114	7891	223	7242	578	1926
Installation, maintenance and repair occupations	5041	4830	211	4404	395	674
Production, transportation, and material moving occupations	18020	13745	4274	14391	2504	3430
Transportation and material moving occupations	8320	7049	1270	6625	1301	8320

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-14. Employed Civilians by Occupation, Sex, Race, and Hispanic Origin, Old Series, 1984–1999

(Thousands of people.)

Occupation	1984						1985					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	118793	65104	53689	102261	12175	9845	117718	64223	53496	101182	12074	9828
Managerial and professional specialty	30602	16601	14001	27416	1945	1208	30934	16623	14311	27706	1972	1259
Executive, administrative, and managerial	14802	8872	5931	13432	869	630	14904	8858	6046	13513	875	653
Professional specialty	15800	7729	8071	13984	1076	578	16030	7765	8265	14193	1097	606
Technical, sales, and administrative support	36913	13054	23859	32136	3465	2366	36318	12852	23466	31524	3443	2413
Technicians and related support	3866	1973	1893	3298	357	182	3814	1937	1877	3257	344	196
Sales occupations	14285	7247	7038	12871	937	848	14052	7180	6872	12590	955	867
Administrative support, including clerical	18762	3834	14928	15967	2170	1336	18452	3735	14717	15677	2145	1349
Service occupations	16012	6470	9543	12565	2757	1984	16254	6610	9644	12739	2783	2005
Private household	792	29	763	571	191	168	799	33	766	608	162	179
Protective service	2000	1708	293	1618	334	131	2083	1765	318	1682	351	144
Service, except private household and protective	13220	4732	8488	10376	2233	1685	13372	4812	8560	10449	2270	1682
Precision production, craft, and repair	13745	12580	1166	12255	1083	1301	13250	12112	1138	11824	1039	1269
Operators, fabricators, and laborers	18071	13494	4577	14732	2715	2436	17456	13075	4380	14205	2613	2311
Machine operators, assemblers, and inspectors	8200	4931	3269	6668	1184	1249	7820	4693	3127	6284	1159	1142
Transportation and material moving occupations	4886	4449	436	4010	757	466	4913	4476	437	4022	774	462
Handlers, equipment cleaners, helpers, and laborers	4985	4114	871	4054	775	721	4723	3906	816	3899	680	707
Farming, forestry, and fishing	3450	2907	544	3157	209	550	3506	2951	556	3184	224	570

Occupation	1986						1987					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	118492	64440	54052	101669	12151	10027	120259	65349	54910	103045	12382	10361
Managerial and professional specialty	31085	16387	14698	27719	2044	1322	32231	16811	15419	28647	2181	1437
Executive, administrative, and managerial	14722	8612	6110	13327	872	683	15338	8897	6441	13783	977	762
Professional specialty	16363	7775	8588	14393	1172	639	16893	7915	8978	14863	1204	675
Technical, sales, and administrative support	37048	13379	23669	32167	3423	2492	37058	13417	23641	32096	3501	2578
Technicians and related support	4277	2185	2092	3620	418	216	4039	2000	2039	3433	395	223
Sales occupations	14014	7286	6728	12576	891	882	14342	7418	6924	12824	974	940
Administrative support, including clerical	18757	3908	14849	15971	2114	1395	18677	3999	14679	15839	2132	1415
Service occupations	16377	6676	9701	12778	2843	2037	16821	6867	9953	13145	2901	2069
Private household	891	37	854	695	162	187	928	45	883	735	154	214
Protective service	2114	1760	354	1669	383	168	2165	1792	373	1729	380	160
Service, except private household and protective	13373	4879	8493	10414	2298	1682	13727	5030	8697	10681	2367	1695
Precision production, craft, and repair	13225	12087	1137	11798	1016	1345	13429	12279	1150	11990	1006	1372
Operators, fabricators, and laborers	17247	12954	4294	14018	2599	2243	17341	13109	4232	14090	2580	2310
Machine operators, assemblers, and inspectors	7658	4623	3035	6141	1153	1130	7553	4642	2911	6066	1117	1140
Transportation and material moving occupations	4908	4482	426	4069	730	460	5036	4570	465	4195	706	481
Handlers, equipment cleaners, helpers, and laborers	4682	3850	832	3808	716	653	4753	3897	856	3829	757	689
Farming, forestry, and fishing	3510	2957	553	3188	226	588	3379	2864	515	3078	212	596

Occupation	1988						1989					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	123060	66450	56610	105190	12835	10788	124900	67377	57523	106490	13279	11127
Managerial and professional specialty	33847	17583	16264	30045	2405	1517	35318	18378	16940	31323	2651	1548
Executive, administrative, and managerial	16312	9298	7014	14605	1103	807	17186	9840	7346	15398	1233	821
Professional specialty	17536	8285	9250	15439	1302	709	18132	8539	9593	15924	1418	727
Technical, sales, and administrative support	37306	13322	23984	32232	3637	2639	37417	13310	24107	32184	3808	2719
Technicians and related support	3869	1856	2013	3301	376	205	3909	1900	2009	3361	378	240
Sales occupations	14817	7543	7273	13235	1056	1010	15119	7634	7485	13366	1183	1048
Administrative support, including clerical	18620	3923	14697	15696	2205	1424	18389	3776	14613	15457	2248	1431
Service occupations	16912	6840	10072	13207	2890	2131	16930	6774	10155	13208	2880	2195
Private household	817	30	787	643	136	223	821	37	784	638	137	204
Protective service	2249	1873	376	1778	407	167	2237	1881	356	1772	406	166
Service, except private household and protective	13847	4938	8909	10787	2346	1741	13872	4857	9015	10799	2337	1825
Precision production, craft, and repair	13489	12241	1248	11974	1040	1407	13524	12323	1201	11949	1073	1430
Operators, fabricators, and laborers	17876	13535	4341	14416	2677	2474	18068	13675	4393	14496	2712	2577
Machine operators, assemblers, and inspectors	7754	4800	2954	6166	1167	1151	7907	4958	2949	6221	1218	1250
Transportation and material moving occupations	5136	4654	483	4227	749	511	5171	4682	490	4254	760	512
Handlers, equipment cleaners, helpers, and laborers	4986	4081	904	4023	760	811	4990	4035	955	4022	734	816
Farming, forestry, and fishing	3629	2928	701	3315	187	620	3642	2916	726	3330	154	658

Table 1-14. Employed Civilians by Occupation, Sex, Race, and Hispanic Origin, Old Series, 1984–1999
—Continued

(Thousands of people.)

Occupation	1990						1991					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	118793	65104	53689	102261	12175	9845	117718	64223	53496	101182	12074	9828
Managerial and professional specialty	30602	16601	14001	27416	1945	1208	30934	16623	14311	27706	1972	1259
Executive, administrative, and managerial	14802	8872	5931	13432	869	630	14904	8858	6046	13513	875	653
Professional specialty	15800	7729	8071	13984	1076	578	16030	7765	8265	14193	1097	606
Technical, sales, and administrative support	36913	13054	23859	32136	3465	2366	36318	12852	23466	31524	3443	2413
Technicians and related support	3866	1973	1893	3298	357	182	3814	1937	1877	3257	344	196
Sales occupations	14285	7247	7038	12871	937	848	14052	7180	6872	12590	955	867
Administrative support, including clerical	18762	3834	14928	15967	2170	1336	18452	3735	14717	15677	2145	1349
Service occupations	16012	6470	9543	12565	2757	1984	16254	6610	9644	12739	2783	2005
Private household	792	29	763	571	191	168	799	33	766	608	162	179
Protective service	2000	1708	293	1618	334	131	2083	1765	318	1682	351	144
Service, except private household and protective	13220	4732	8488	10376	2233	1685	13372	4812	8560	10449	2270	1682
Precision production, craft, and repair	13745	12580	1166	12255	1083	1301	13250	12112	1138	11824	1039	1269
Operators, fabricators, and laborers	18071	13494	4577	14732	2715	2436	17456	13075	4380	14205	2613	2311
Machine operators, assemblers, and inspectors	8200	4931	3269	6668	1184	1249	7820	4693	3127	6284	1159	1142
Transportation and material moving occupations	4886	4449	436	4010	757	466	4913	4476	437	4022	774	462
Handlers, equipment cleaners, helpers, and laborers	4985	4114	871	4054	775	721	4723	3906	816	3899	680	707
Farming, forestry, and fishing	3450	2907	544	3157	209	550	3506	2951	556	3184	224	570

Occupation	1992						1993					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	118492	64440	54052	101669	12151	10027	120259	65349	54910	103045	12382	10361
Managerial and professional specialty	31085	16387	14698	27719	2044	1322	32231	16811	15419	28647	2181	1437
Executive, administrative, and managerial	14722	8612	6110	13327	872	683	15338	8897	6441	13783	977	762
Professional specialty	16363	7775	8588	14393	1172	639	16893	7915	8978	14863	1204	675
Technical, sales, and administrative support	37048	13379	23669	32167	3423	2492	37058	13417	23641	32096	3501	2578
Technicians and related support	4277	2185	2092	3620	418	216	4039	2000	2039	3433	395	223
Sales occupations	14014	7286	6728	12576	891	882	14342	7418	6924	12824	974	940
Administrative support, including clerical	18757	3908	14849	15971	2114	1395	18677	3999	14679	15839	2132	1415
Service occupations	16377	6676	9701	12778	2843	2037	16821	6867	9953	13145	2901	2069
Private household	891	37	854	695	162	187	928	45	883	735	154	214
Protective service	2114	1760	354	1669	383	168	2165	1792	373	1729	380	160
Service, except private household and protective	13373	4879	8493	10414	2298	1682	13727	5030	8697	10681	2367	1695
Precision production, craft, and repair	13225	12087	1137	11798	1016	1345	13429	12279	1150	11990	1006	1372
Operators, fabricators, and laborers	17247	12954	4294	14018	2599	2243	17341	13109	4232	14090	2580	2310
Machine operators, assemblers, and inspectors	7658	4623	3035	6141	1153	1130	7553	4642	2911	6066	1117	1140
Transportation and material moving occupations	4908	4482	426	4069	730	460	5036	4570	465	4195	706	481
Handlers, equipment cleaners, helpers, and laborers	4682	3850	832	3808	716	653	4753	3897	856	3829	757	689
Farming, forestry, and fishing	3510	2957	553	3188	226	588	3379	2864	515	3078	212	596

Occupation	1994						1995					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	123060	66450	56610	105190	12835	10788	124900	67377	57523	106490	13279	11127
Managerial and professional specialty	33847	17583	16264	30045	2405	1517	35318	18378	16940	31323	2651	1548
Executive, administrative, and managerial	16312	9298	7014	14605	1103	807	17186	9840	7346	15398	1233	821
Professional specialty	17536	8285	9250	15439	1302	709	18132	8539	9593	15924	1418	727
Technical, sales, and administrative support	37306	13322	23984	32232	3637	2639	37417	13310	24107	32184	3808	2719
Technicians and related support	3869	1856	2013	3301	376	205	3909	1900	2009	3361	378	240
Sales occupations	14817	7543	7273	13235	1056	1010	15119	7634	7485	13366	1183	1048
Administrative support, including clerical	18620	3923	14697	15696	2205	1424	18389	3776	14613	15457	2248	1431
Service occupations	16912	6840	10072	13207	2890	2131	16930	6774	10155	13208	2880	2195
Private household	817	30	787	643	136	223	821	37	784	638	137	204
Protective service	2249	1873	376	1778	407	167	2237	1881	356	1772	406	166
Service, except private household and protective	13847	4938	8909	10787	2346	1741	13872	4857	9015	10799	2337	1825
Precision production, craft, and repair	13489	12241	1248	11974	1040	1407	13524	12323	1201	11949	1073	1430
Operators, fabricators, and laborers	17876	13535	4341	14416	2677	2474	18068	13675	4393	14496	2712	2577
Machine operators, assemblers, and inspectors	7754	4800	2954	6166	1167	1151	7907	4958	2949	6221	1218	1250
Transportation and material moving occupations	5136	4654	483	4227	749	511	5171	4682	490	4254	760	512
Handlers, equipment cleaners, helpers, and laborers	4986	4081	904	4023	760	811	4990	4035	955	4022	734	816
Farming, forestry, and fishing	3629	2928	701	3315	187	620	3642	2916	726	3330	154	658

Table 1-14. Employed Civilians by Occupation, Sex, Race, and Hispanic Origin, Old Series, 1984–1999
—Continued

(Thousands of people.)

Occupation	1996						1997					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	126708	68207	58501	107808	13542	11642	129558	69685	59873	109856	13969	12726
Managerial and professional specialty	36497	18744	17754	32116	2706	1654	37686	19249	18437	33089	2764	1867
Executive, administrative, and managerial	17746	9979	7767	15807	1218	854	18440	10271	8170	16420	1267	1001
Professional specialty	18752	8764	9987	16309	1488	799	19245	8978	10267	16669	1497	866
Technical, sales, and administrative support	37683	13489	24194	32177	3877	2849	38309	13760	24549	32624	4032	3026
Technicians and related support	3926	1865	2061	3334	368	248	4214	2028	2186	3571	410	256
Sales occupations	15404	7782	7622	13519	1218	1085	15734	7840	7894	13730	1271	1198
Administrative support, including clerical	18353	3842	14511	15323	2291	1516	18361	3892	14469	15323	2352	1572
Service occupations	17177	6967	10210	13447	2962	2349	17537	7122	10416	13604	3092	2560
Private household	804	41	764	637	139	211	795	37	758	642	129	212
Protective service	2187	1811	375	1748	389	175	2300	1890	411	1800	430	202
Service, except private household and protective	14186	5115	9071	11062	2435	1963	14442	5195	9247	11162	2533	2146
Precision production, craft, and repair	13587	12368	1219	12020	1069	1498	14124	12868	1256	12472	1144	1714
Operators, fabricators, and laborers	18197	13750	4447	14697	2789	2607	18399	13858	4540	14813	2781	2839
Machine operators, assemblers, and inspectors	7874	4902	2972	6270	1193	1295	7962	4962	3000	6322	1178	1426
Transportation and material moving occupations	5302	4799	504	4412	772	548	5389	4872	518	4435	819	592
Handlers, equipment cleaners, helpers, and laborers	5021	4049	971	4016	824	764	5048	4025	1023	4057	784	821
Farming, forestry, and fishing	3566	2889	677	3350	139	685	3503	2828	675	3254	156	721

Occupation	1998						1999					
	Total	Men	Women	White	Black	Hispanic	Total	Men	Women	White	Black	Hispanic
TOTAL	131463	70693	60771	110931	14556	13291	133488	71446	62042	112235	15056	13720
Managerial and professional specialty	38937	19867	19070	34063	2947	1933	40467	20446	20021	35125	3233	2040
Executive, administrative, and managerial	19054	10585	8469	16903	1368	1028	19584	10744	8840	17235	1484	1097
Professional specialty	19883	9282	10602	17160	1579	905	20883	9702	11181	17890	1749	943
Technical, sales, and administrative support	38521	13792	24728	32490	4264	3186	38921	14079	24842	32779	4356	3286
Technicians and related support	4261	1976	2285	3557	441	283	4355	2094	2261	3622	467	279
Sales occupations	15850	7875	7975	13704	1415	1245	16118	8049	8069	13956	1405	1267
Administrative support, including clerical	18410	3941	14469	15229	2408	1657	18448	3936	14512	15201	2484	1740
Service occupations	17836	7222	10614	13807	3148	2670	17915	7093	10822	13725	3275	2716
Private household	847	46	801	704	116	262	831	40	791	670	126	244
Protective service	2417	1986	431	1892	463	204	2440	1980	460	1886	484	200
Service, except private household and protective	14572	5190	9382	11211	2569	2204	14644	5074	9570	11168	2666	2271
Precision production, craft, and repair	14411	13208	1203	12729	1158	1793	14593	13286	1307	12908	1174	1871
Operators, fabricators, and laborers	18256	13769	4487	14609	2866	2917	18167	13793	4374	14535	2847	3014
Machine operators, assemblers, and inspectors	7791	4882	2909	6146	1200	1340	7386	4637	2749	5824	1143	1364
Transportation and material moving occupations	5363	4818	545	4351	872	640	5516	4968	548	4488	879	659
Handlers, equipment cleaners, helpers, and laborers	5102	4069	1033	4112	795	938	5265	4188	1077	4223	825	992
Farming, forestry, and fishing	3502	2835	668	3233	172	792	3426	2749	676	3165	172	793

Note: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the Other races group are not presented and Hispanics are included in both the White and Black population groups. See "Notes and Definitions" for information on historical comparability.

Table 1-15. Employed Civilians by Industry and Occupation, New Series, 2001–2003

(Thousands of people.)

Industry	Total employed	Management, professional, and related occupations	Life, physical, and social science occupations	Service occupations	Sales and office occupations	Natural resources, construction, and maintenance occupations	Production, transportation, and material moving occupations
2001							
Agriculture, forestry, fishing, and hunting	2 299	1 116	35	78	125	885	95
Mining	538	144	17	5	64	204	123
Construction	10 155	1 760	11	99	767	6 992	537
Manufacturing	18 434	4 973	242	306	2 582	1 286	9 286
Durable goods	11 703	3 376	52	160	1 515	872	5 780
Nondurable goods	6 730	1 597	189	146	1 067	414	3 506
Wholesale trade	4 020	667	16	54	2 232	230	836
Retail trade	15 786	1 642	9	605	10 900	814	1 825
Transportation and warehousing	6 017	681	2	267	1 694	357	3 018
Utilities	1 244	400	22	37	264	276	267
Information	4 005	1 947	21	97	1 357	423	181
Finance and insurance	6 664	2 951	22	78	3 568	32	35
Real estate and rental and leasing	2 780	833	3	349	1 360	135	103
Professional and technical services	8 489	6 336	309	105	1 714	144	190
Management, administrative, and waste services	5 579	1 133	23	2 177	1 427	210	632
Educational services	11 535	8 548	164	1 259	1 241	168	319
Healthcare and social assistance	15 313	7 912	181	4 553	2 426	103	319
Arts, entertainment, and recreation	2 590	838	12	1 196	384	83	90
Accommodation and food services	8 781	1 374	5	5 865	1 127	47	367
Other services	6 477	1 358	13	2 141	1 123	1 046	809
Public administration	6 228	2 428	167	1 912	1 431	254	204
2002							
Agriculture, forestry, fishing, and hunting	2 311	1 173	24	69	108	864	96
Mining	502	127	15	9	47	202	117
Construction	9 981	1 673	8	82	764	6 940	522
Manufacturing	17 233	4 626	272	280	2 447	1 250	8 630
Durable goods	10 833	3 116	71	136	1 452	854	5 274
Nondurable goods	6 400	1 510	201	144	995	395	3 356
Wholesale trade	4 144	668	20	53	2 286	242	895
Retail trade	15 663	1 634	14	589	10 892	815	1 733
Transportation and warehousing	5 971	636	4	281	1 601	374	3 078
Utilities	1 273	387	30	34	269	297	287
Information	3 691	1 778	11	87	1 270	380	175
Finance and insurance	6 749	3 051	20	63	3 560	29	46
Real estate and rental and leasing	2 816	850	6	345	1 346	141	133
Professional and technical services	8 408	6 344	288	110	1 659	127	170
Management, administrative, and waste services	5 607	1 118	22	2 285	1 325	228	651
Educational services	11 724	8 695	161	1 281	1 261	158	329
Healthcare and social assistance	15 900	8 297	184	4 725	2 486	99	294
Arts, entertainment, and recreation	2 639	836	11	1 233	410	91	68
Accommodation and food services	8 902	1 347	3	6 060	1 079	54	362
Other services	6 665	1 452	15	2 269	1 141	1 008	794
Public administration	6 307	2 489	181	1 912	1 455	263	189
2003							
Agriculture, forestry, fishing, and hunting	2 275	1 088	29	80	112	901	94
Mining	525	133	18	6	57	203	127
Construction	10 138	1 590	6	60	693	7 277	519
Manufacturing	16 902	4 733	287	252	2 340	1 150	8 428
Durable goods	10 520	3 207	58	128	1 370	756	5 060
Nondurable goods	6 382	1 526	229	123	970	394	3 368
Wholesale trade	4 486	782	20	47	2 477	239	941
Retail trade	16 220	1 679	15	569	11 273	888	1 811
Transportation and warehousing	5 758	630	6	268	1 614	401	2 845
Utilities	1 193	376	28	21	252	293	251
Information	3 687	1 852	12	91	1 188	380	176
Finance and insurance	6 834	3 142	26	67	3 561	36	29
Real estate and rental and leasing	2 914	881	6	304	1 421	194	114
Professional and technical services	8 243	6 237	320	122	1 627	130	128
Management, administrative, and waste services	5 636	1 131	25	2 321	1 286	262	637
Educational services	11 826	8 808	170	1 274	1 236	187	322
Healthcare and social assistance	16 434	8 665	201	4 785	2 565	127	291
Arts, entertainment, and recreation	2 587	891	9	1 193	361	92	50
Accommodation and food services	9 021	1 267	2	6 393	988	57	315
Other services	6 815	1 482	14	2 321	1 064	1 144	804
Public administration	6 243	2 563	182	1 912	1 384	245	138

Table 1-16. Employed Civilians by Industry and Occupation, Old Series, 1990–1999

(Thousands of people.)

Industry	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other services, including protective		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
1990													
Agriculture	3 223	95	85	30	23	108	...	17	42	13	49	21	2 740
Mining	724	110	63	32	9	72	...	9	243	26	123	36	2
Construction	7 764	1 034	133	64	75	426	...	35	4 445	114	524	890	23
Manufacturing	21 346	2 530	1 794	765	779	2 363	...	374	3 964	6 696	805	1 173	102
Durable goods	12 630	1 521	1 225	533	326	1 363	...	197	2 721	3 685	416	552	91
Nondurable goods	8 717	1 010	569	232	453	1 000	...	178	1 243	3 011	389	621	11
Transportation and public utilities	8 168	915	459	306	340	2 166	...	293	1 259	122	1 812	481	14
Wholesale trade	4 669	528	88	50	1 862	788	...	39	323	138	464	380	10
Retail trade	19 953	1 557	379	89	8 295	1 633	...	4 584	1 181	197	512	1 498	27
Finance, insurance, and real estate	8 051	2 087	225	155	1 904	3 097	...	296	155	19	17	25	71
Services	39 267	4 745	11 786	2 125	971	6 561	792	8 194	1 898	831	521	436	408
Services, except private households ...	38 231	4 742	11 773	2 121	969	6 552	...	8 098	1 881	829	514	417	336
Professional services	25 351	2 642	10 425	1 719	162	4 763	...	4 545	400	228	276	101	91
Public administration	5 627	1 199	788	251	26	1 549	...	1 380	235	43	60	44	53
1991													
Agriculture	3 269	91	78	31	22	102	...	18	41	12	54	16	2 803
Mining	732	112	65	37	8	81	...	12	244	24	115	34	1
Construction	7 140	969	137	53	71	386	...	29	4 077	100	497	797	24
Manufacturing	20 580	2 499	1 777	749	729	2 283	...	355	3 837	6 402	780	1 076	92
Durable goods	12 015	1 489	1 178	512	292	1 260	...	185	2 630	3 459	404	525	80
Nondurable goods	8 565	1 010	599	237	437	1 023	...	170	1 207	2 943	376	551	13
Transportation and public utilities	8 234	973	474	301	331	2 170	...	262	1 285	125	1 833	465	16
Wholesale trade	4 660	537	77	37	1 868	776	...	36	319	135	490	374	11
Retail trade	19 758	1 591	372	103	8 181	1 589	...	4 605	1 142	173	530	1 450	23
Finance, insurance, and real estate	7 806	2 027	216	133	1 849	3 022	...	270	167	18	14	20	69
Services	39 884	4 873	12 035	2 148	967	6 534	799	8 455	1 884	792	537	444	416
Services, except private households ...	38 868	4 871	12 029	2 144	966	6 522	...	8 375	1 870	791	531	422	346
Professional services	25 853	2 706	10 629	1 742	162	4 788	...	4 749	393	211	295	87	92
Public administration	5 655	1 231	798	223	27	1 508	...	1 414	253	41	62	46	51
1992													
Agriculture	3 247	91	74	44	21	118	...	17	45	10	44	19	2 764
Mining	666	100	58	31	7	79	...	12	214	28	106	31	1
Construction	7 063	892	147	67	73	410	...	34	4 073	99	480	762	28
Manufacturing	20 124	2 401	1 640	758	768	2 268	...	330	3 808	6 244	749	1 074	84
Durable goods	11 561	1 405	1 069	525	306	1 251	...	158	2 569	3 344	374	485	75
Nondurable goods	8 563	996	571	234	462	1 017	...	172	1 239	2 901	375	589	8
Transportation and public utilities	8 284	946	461	375	250	2 281	...	274	1 227	114	1 874	464	18
Wholesale trade	4 783	556	85	46	1 883	820	...	42	302	118	490	405	38
Retail trade	19 938	1 603	374	146	8 229	1 591	...	4 717	1 117	180	530	1 428	25
Finance, insurance, and real estate	7 780	1 966	224	162	1 851	2 991	...	290	171	19	13	22	73
Services	40 967	4 937	12 473	2 379	908	6 728	891	9 259	2 022	810	563	440	449
Services, except private households ...	39 821	4 933	12 463	2 373	906	6 714	...	8 368	2 007	807	555	421	372
Professional services	27 713	3 150	11 168	2 040	175	5 032	...	5 017	411	208	314	102	95
Public administration	5 640	1 231	829	268	25	1 472	...	1 404	246	37	59	38	31
1993													
Agriculture	3 115	99	87	39	14	114	...	15	45	8	53	20	2 621
Mining	672	102	75	24	4	73	...	8	233	25	103	25	...
Construction	7 276	928	137	46	74	390	...	35	4 292	79	517	753	25
Manufacturing	19 711	2 432	1 688	693	739	2 161	...	312	3 744	6 124	710	1 012	95
Durable goods	11 385	1 415	1 085	463	282	1 181	...	161	2 553	3 352	361	446	87
Nondurable goods	8 326	1 017	603	231	457	981	...	151	1 191	2 772	349	566	9
Transportation and public utilities	8 526	975	500	329	241	2 318	...	266	1 271	131	2 000	479	18
Wholesale trade	4 622	533	85	49	1 819	771	...	40	296	115	492	378	44
Retail trade	20 521	1 652	351	129	8 543	1 571	...	4 873	1 095	179	543	1 563	23
Finance, insurance, and real estate	7 975	2 089	244	161	1 918	2 967	...	290	183	21	13	19	70
Services	42 059	5 234	12 864	2 300	963	6 841	928	8 579	2 047	831	551	467	453
Services, except private households ...	40 924	5 231	12 857	2 298	961	6 830	...	8 497	2 035	831	547	446	392
Professional services	28 365	3 299	11 476	1 969	176	5 111	...	5 163	419	223	314	108	105
Public administration	5 782	1 294	862	270	26	1 469	...	1 475	224	39	54	39	31

... = Not available.

Table 1-16. Employed Civilians by Industry and Occupation, Old Series, 1990–1999—Continued

(Thousands of people.)

Industry	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other services, including protective		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
1994													
Agriculture	3 409	97	88	38	14	145	...	18	42	5	45	19	2 897
Mining	669	110	76	22	10	67	...	9	222	21	109	21	1
Construction	7 493	1 055	138	60	59	429	...	34	4 263	86	529	818	22
Manufacturing	20 157	2 588	1 814	611	745	2 093	...	290	3 803	6 298	744	1 082	89
Durable goods	11 792	1 555	1 170	412	310	1 146	...	152	2 622	3 415	416	514	80
Nondurable goods	8 365	1 033	644	200	435	946	...	138	1 181	2 883	328	569	9
Transportation and public utilities	8 692	1 065	486	329	248	2 337	...	246	1 270	120	2 049	528	15
Wholesale trade	4 713	531	89	37	1 880	775	...	34	296	150	464	398	60
Retail trade	20 986	1 704	402	119	8 772	1 555	...	4 948	1 145	197	548	1 569	27
Finance, insurance, and real estate	8 141	2 198	272	160	2 029	2 915	...	282	167	18	17	18	66
Services	42 986	5 649	13 319	2 274	1 032	6 864	817	8 654	2 071	825	567	493	421
Services, except private households ...	42 009	5 645	13 311	2 272	1 031	6 855	...	8 584	2 063	825	564	480	380
Professional services	29 030	3 559	11 888	1 968	193	5 083	...	5 134	470	222	314	94	105
Public administration	5 814	1 315	853	221	28	1 440	...	1 579	211	32	64	39	30
1995													
Agriculture	3 440	105	92	45	15	145	...	16	35	17	45	19	2 907
Mining	627	100	60	22	4	53	...	5	228	28	101	25	2
Construction	7 668	1 117	145	43	63	431	...	33	4 362	85	513	858	18
Manufacturing	20 493	2 804	1 787	615	756	2 108	...	294	3 837	6 386	728	1 067	111
Durable goods	12 015	1 683	1 160	404	311	1 117	...	156	2 660	3 498	390	535	100
Nondurable goods	8 478	1 121	627	211	445	991	...	138	1 177	2 888	338	532	11
Transportation and public utilities	8 709	1 124	510	310	259	2 337	...	247	1 223	121	2 079	487	12
Wholesale trade	4 986	554	108	48	1 979	792	...	37	308	187	488	423	62
Retail trade	21 086	1 740	425	141	8 949	1 501	...	4 844	1 111	214	578	1 548	34
Finance, insurance, and real estate	7 983	2 258	268	148	1 985	2 757	...	269	183	14	14	19	68
Services	43 953	6 029	13 755	2 307	1 086	6 848	821	8 788	2 008	824	572	510	405
Services, except private households ...	42 982	6 023	13 746	2 305	1 086	6 838	...	8 719	2 002	822	569	497	374
Professional services	29 661	3 721	12 233	1 974	199	5 114	...	5 284	465	178	312	87	94
Public administration	5 957	1 356	981	230	24	1 417	...	1 577	229	32	52	35	25
1996													
Agriculture	3 443	108	88	40	19	174	...	28	41	11	34	13	2 888
Mining	569	90	44	21	10	47	...	7	208	21	105	17	1
Construction	7 943	1 221	165	45	65	452	...	32	4 442	96	513	890	21
Manufacturing	20 518	2 840	1 882	631	766	2 033	...	264	3 814	6 350	767	1 069	101
Durable goods	12 202	1 690	1 204	425	337	1 131	...	144	2 677	3 561	425	518	90
Nondurable goods	8 316	1 150	678	206	429	903	...	120	1 137	2 789	342	551	11
Transportation and public utilities	8 817	1 159	529	332	288	2 319	...	251	1 185	132	2 126	489	7
Wholesale trade	4 956	563	100	52	2 005	749	...	48	320	142	515	400	62
Retail trade	21 541	1 818	410	123	9 055	1 577	...	4 983	1 137	204	614	1 583	39
Finance, insurance, and real estate	8 076	2 274	271	162	2 052	2 744	...	298	165	15	13	28	54
Services	45 043	6 347	14 312	2 312	1 120	6 905	804	8 876	2 055	875	573	496	367
Services, except private households ...	44 107	6 343	14 302	2 310	1 119	6 900	...	8 821	2 048	875	572	484	335
Professional services	30 085	3 853	12 592	1 941	204	5 090	...	5 340	417	190	301	88	69
Public administration	5 802	1 325	951	208	25	1 353	...	1 585	221	28	43	37	25

... = Not available.

Table 1-16. Employed Civilians by Industry and Occupation, Old Series, 1990–1999—Continued

(Thousands of people.)

Industry	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other services, including protective		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
1997													
Agriculture	3 399	124	83	48	19	160	...	24	34	10	51	26	2 821
Mining	634	92	51	25	10	66	...	4	236	24	101	24	1
Construction	8 302	1 274	158	45	72	425	...	35	4 731	97	558	884	22
Manufacturing	20 835	2 882	1 938	689	785	2 029	...	268	3 887	6 471	762	1 027	96
Durable goods	12 437	1 699	1 261	441	316	1 133	...	145	2 753	3 685	406	512	87
Nondurable goods	8 399	1 183	677	249	469	896	...	123	1 134	2 786	356	515	9
Transportation and public utilities	9 182	1 230	562	342	283	2 297	...	301	1 257	133	2 230	531	16
Wholesale trade	4 907	589	110	47	1 928	740	...	56	326	133	520	393	66
Retail trade	21 869	1 893	427	155	9 303	1 480	...	5 048	1 173	202	572	1 580	36
Finance, insurance, and real estate	8 297	2 428	308	151	2 092	2 749	...	307	175	12	11	28	38
Services	46 393	6 642	14 677	2 490	1 210	7 113	795	9 055	2 115	854	537	521	384
Services, except private households	45 472	6 638	14 671	2 485	1 210	7 107	...	8 988	2 109	853	537	514	359
Professional services	30 935	4 057	12 846	2 110	225	5 177	...	5 432	420	207	279	89	93
Public administration	5 738	1 287	932	221	32	1 303	...	1 644	191	27	46	33	23
1998													
Agriculture	3 378	110	105	51	23	136	...	21	39	20	42	19	2 814
Mining	620	101	63	19	11	53	...	8	208	31	105	18	1
Construction	8 518	1 380	144	47	56	415	...	28	4 889	94	535	910	21
Manufacturing	20 733	3 008	2 007	646	764	1 982	...	291	3 956	6 219	765	1 019	76
Durable goods	12 566	1 796	1 351	430	318	1 127	...	150	2 807	3 594	415	509	71
Nondurable goods	8 168	1 212	656	217	446	856	...	141	1 150	2 625	350	510	5
Transportation and public utilities	9 307	1 307	561	324	273	2 349	...	296	1 285	135	2 243	522	13
Wholesale trade	5 090	622	131	43	2 054	756	...	57	346	137	493	380	71
Retail trade	22 113	1 916	459	188	9 306	1 438	...	5 125	1 177	230	575	1 670	30
Finance, insurance, and real estate	8 605	2 489	356	166	2 143	2 860	...	323	177	12	13	17	49
Services	47 212	6 793	15 090	2 541	1 197	7 118	847	9 117	2 154	887	551	516	399
Services, except private households	46 244	6 787	15 084	2 540	1 196	7 109	...	9 061	2 151	887	548	509	374
Professional services	31 392	4 164	13 122	2 132	213	5 132	...	5 485	473	195	294	99	85
Public administration	5 887	1 329	968	234	25	1 302	...	1 722	182	27	40	30	27
1999													
Agriculture	3 281	118	97	53	15	149	...	15	36	10	48	18	2 722
Mining	565	83	69	19	7	35	...	6	198	24	102	21	1
Construction	8 987	1 379	159	60	67	406	...	33	5 224	108	543	984	22
Manufacturing	20 070	2 955	1 981	645	736	1 883	...	242	3 883	5 896	726	1 035	88
Durable goods	12 283	1 799	1 286	440	351	1 067	...	125	2 715	3 504	394	520	82
Nondurable goods	7 787	1 156	694	205	385	816	...	117	1 168	2 391	332	515	7
Transportation and public utilities	9 554	1 340	557	359	275	2 386	...	304	1 335	123	2 318	546	14
Wholesale trade	5 189	630	158	50	2 047	819	...	52	324	118	523	406	62
Retail trade	22 383	1 967	461	207	9 489	1 495	...	5 122	1 108	229	625	1 643	38
Finance, insurance, and real estate	8 815	2 664	380	200	2 224	2 780	...	294	177	10	12	23	50
Services	48 687	7 061	16 031	2 533	1 230	7 242	831	9 275	2 119	847	575	547	395
Services, except private households	47 747	7 056	16 026	2 530	1 230	7 234	...	9 219	2 116	847	573	535	382
Professional services	32 370	4 307	13 796	2 074	210	5 333	...	5 536	463	167	301	91	90
Public administration	5 958	1 386	992	229	28	1 253	...	1 741	189	22	42	42	34

Note: See "Notes and Definitions" for information on historical comparability.

... = Not available.

Table 1-18. Number of Employed Persons 25 Years and Over by Educational Attainment, Race, Hispanic Origin, and Sex, 1993–2003

(Thousands of people.)

Year, race, Hispanic origin, and sex	Total	Less than a high school diploma	High school graduates, no college	Some college, no degree	Associate degree	College graduates	
						Total	Bachelor's degree only
TOTAL							
1993	101 615	11 201	35 395	18 729	8 174	28 115	18 300
1994	104 141	11 053	35 135	19 861	8 834	29 257	19 225
1995	106 037	10 945	34 999	20 436	9 245	30 412	19 924
1996	108 070	11 317	36 300	20 590	9 404	31 459	20 742
1997	110 518	11 546	36 163	20 678	9 643	32 488	21 524
1998	111 855	11 673	35 976	20 626	9 850	33 730	22 260
1999	113 425	11 294	36 017	21 129	10 079	34 905	22 973
2000	116 473	11 692	36 452	21 601	10 707	36 020	23 706
2001	116 846	11 669	36 078	21 459	11 127	36 514	23 907
2002	116 802	11 535	35 779	20 928	11 166	37 395	24 570
2003	118 385	11 537	35 857	21 107	11 313	38 570	25 188
WHITE¹							
1993	87 001	9 109	30 242	15 987	7 052	24 613	15 962
1994	89 057	8 879	30 004	16 893	7 622	25 658	16 719
1995	90 498	8 690	29 776	17 265	7 970	26 796	17 434
1996	91 392	9 258	30 042	17 249	8 072	27 371	17 978
1997	93 687	9 414	30 552	17 302	8 271	28 148	18 801
1998	94 330	9 510	30 249	17 101	8 426	29 044	19 107
1999	95 316	9 235	30 211	17 388	8 556	29 925	19 668
2000	97 320	9 544	30 438	17 770	9 075	30 493	20 078
2001	97 560	9 550	30 126	17 671	9 393	30 821	20 136
2002	97 476	9 394	29 836	17 209	9 440	31 597	20 670
2003	98 120	9 437	29 645	17 227	9 476	32 335	21 103
BLACK¹							
1993	10 511	1 580	4 075	2 180	815	1 862	1 315
1994	10 834	1 543	4 016	2 340	902	2 034	1 483
1995	11 249	1 482	4 142	2 517	960	2 149	1 538
1996	11 518	1 534	4 192	2 640	969	2 183	1 539
1997	11 882	1 578	4 409	2 681	984	2 230	1 591
1998	12 324	1 579	4 504	2 776	1 020	2 446	1 741
1999	12 771	1 488	4 631	2 924	1 108	2 621	1 814
2000	12 852	1 499	4 571	2 910	1 160	2 713	1 866
2001	12 797	1 492	4 492	2 871	1 216	2 727	1 921
2002	12 719	1 498	4 453	2 843	1 210	2 715	1 955
2003	12 706	1 376	4 465	2 780	1 199	2 887	2 056
HISPANIC							
1993	8 218	2 996	2 422	1 276	514	1 009	697
1994	8 535	3 078	2 503	1 353	530	1 071	740
1995	8 873	3 204	2 624	1 427	534	1 084	759
1996	9 368	3 450	2 746	1 453	568	1 151	813
1997	10 214	3 738	2 945	1 603	611	1 316	926
1998	10 615	3 889	3 018	1 622	660	1 427	1 007
1999	10 985	3 926	3 213	1 696	660	1 491	1 034
2000	12 406	4 468	3 658	1 828	756	1 696	1 198
2001	12 817	4 601	3 796	1 916	781	1 723	1 223
2002	13 294	4 744	3 921	1 900	823	1 906	1 370
2003	14 205	5 073	4 169	2 037	889	2 039	1 468
MEN							
1993	55 550	6 977	18 575	9 878	4 012	16 109	10 170
1994	56 523	6 851	18 418	10 402	4 184	16 668	10 672
1995	57 420	6 691	18 426	10 653	4 394	17 255	10 983
1996	58 468	7 058	18 639	10 759	4 416	17 596	11 266
1997	59 736	7 210	19 124	10 876	4 517	18 010	11 587
1998	60 497	7 238	19 188	10 684	4 731	18 656	12 028
1999	61 032	6 921	19 125	10 941	4 838	19 208	12 343
2000	62 661	7 199	19 388	11 260	5 013	19 800	12 742
2001	62 824	7 188	19 274	11 076	5 226	20 060	12 872
2002	62 756	7 220	19 154	10 811	5 221	20 350	13 076
2003	63 349	7 290	19 200	10 858	5 231	20 770	13 354
WOMEN							
1993	46 064	4 224	16 820	8 851	4 163	12 006	8 130
1994	47 618	4 202	16 717	9 459	4 650	12 589	8 553
1995	48 617	4 254	16 573	9 783	4 851	13 157	8 941
1996	49 602	4 259	16 661	9 831	4 988	13 863	9 475
1997	50 782	4 336	17 039	9 802	5 126	14 478	9 937
1998	51 359	4 435	16 788	9 943	5 119	15 074	10 231
1999	52 392	4 372	16 893	10 189	5 242	15 697	10 630
2000	53 812	4 493	17 064	10 341	5 694	16 220	10 964
2001	54 021	4 480	16 804	10 383	5 901	16 453	11 035
2002	54 046	4 315	16 624	10 117	5 945	17 045	11 493
2003	55 035	4 248	16 657	10 249	6 081	17 800	11 834

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-18. Number of Employed Persons 25 Years and Over by Educational Attainment, Race, Hispanic Origin, and Sex, 1993–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	Total	Less than a high school diploma	High school graduates, no college	Some college, no degree	Associate degree	College graduates	
						Total	Bachelor's degree only
WHITE MEN¹							
1993	48 191	5 807	16 002	8 581	3 514	14 288	9 020
1994	48 938	5 633	15 833	8 990	3 667	14 814	9 435
1995	49 641	5 444	15 760	9 155	3 856	15 426	9 780
1996	50 533	5 920	15 995	9 197	3 861	15 559	9 965
1997	51 397	6 049	16 330	9 245	3 941	15 832	10 191
1998	51 842	6 123	16 308	9 009	4 118	16 284	10 490
1999	52 180	5 883	16 193	9 182	4 160	16 763	10 806
2000	53 243	6 085	16 373	9 435	4 320	17 030	11 029
2001	53 375	6 080	16 292	9 344	4 501	17 158	11 060
2002	53 242	6 072	16 148	9 102	4 497	17 423	11 217
2003	53 458	6 192	16 068	9 042	4 431	17 725	11 461
WHITE WOMEN¹							
1993	38 810	3 301	14 240	7 406	3 538	10 325	6 941
1994	40 119	3 246	14 171	7 902	3 955	10 844	7 285
1995	40 857	3 246	14 016	8 110	4 115	11 370	7 655
1996	41 459	3 337	14 046	8 052	4 211	11 812	8 012
1997	42 290	3 365	14 222	8 058	4 330	12 316	8 410
1998	42 488	3 387	13 941	8 092	4 308	12 760	8 618
1999	43 135	3 352	14 018	8 207	4 396	13 162	8 862
2000	44 077	3 459	14 065	8 335	4 755	13 463	9 049
2001	44 184	3 469	13 834	8 327	4 891	13 663	9 075
2002	44 234	3 322	13 688	8 107	4 944	14 173	9 453
2003	44 662	3 245	13 576	8 185	5 045	14 610	9 643
BLACK MEN¹							
1993	5 119	875	2 014	998	353	879	617
1994	5 246	844	2 001	1 057	373	970	712
1995	5 423	778	2 101	1 142	393	1 010	717
1996	5 483	861	2 104	1 177	382	960	666
1997	5 658	868	2 181	1 241	385	983	710
1998	5 844	811	2 248	1 267	413	1 104	802
1999	6 001	741	2 339	1 313	469	1 140	789
2000	6 011	755	2 253	1 326	466	1 210	828
2001	5 924	762	2 232	1 258	486	1 186	834
2002	5 928	785	2 212	1 264	482	1 185	855
2003	5 860	693	2 190	1 256	492	1 230	890
BLACK WOMEN¹							
1993	5 392	705	2 060	1 182	462	983	698
1994	5 589	699	2 015	1 283	529	1 064	771
1995	5 826	704	2 042	1 375	566	1 139	822
1996	6 035	673	2 088	1 463	587	1 224	873
1997	6 225	710	2 229	1 439	600	1 247	882
1998	6 480	768	2 256	1 509	607	1 341	939
1999	6 770	746	2 292	1 612	639	1 481	1 025
2000	6 841	743	2 318	1 583	694	1 503	1 038
2001	6 873	730	2 260	1 612	729	1 541	1 087
2002	6 791	713	2 241	1 579	729	1 530	1 101
2003	6 846	683	2 275	1 524	707	1 657	1 166
HISPANIC MEN							
1993	4 989	2 019	1 365	742	281	582	401
1994	5 133	2 059	1 416	761	287	610	413
1995	5 337	2 125	1 501	818	279	615	408
1996	5 640	2 320	1 588	790	271	671	456
1997	6 165	2 502	1 714	899	302	747	502
1998	6 397	2 594	1 764	913	336	790	547
1999	6 441	2 554	1 839	917	334	797	540
2000	7 373	2 937	2 128	995	397	916	634
2001	7 628	3 041	2 174	1 082	386	945	669
2002	7 865	3 141	2 244	1 029	415	1 035	732
2003	8 578	3 424	2 461	1 105	451	1 137	806
HISPANIC WOMEN							
1993	3 229	977	1 057	535	233	428	296
1994	3 402	1 019	1 087	592	242	461	327
1995	3 536	1 079	1 123	609	255	470	351
1996	3 729	1 131	1 159	663	297	480	357
1997	4 049	1 236	1 231	704	309	569	425
1998	4 219	1 295	1 254	708	325	637	459
1999	4 544	1 372	1 373	778	327	694	494
2000	5 033	1 531	1 529	833	359	780	564
2001	5 190	1 560	1 622	834	395	778	553
2002	5 429	1 604	1 676	871	408	871	638
2003	5 627	1 649	1 708	932	438	901	661

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-19. Multiple Jobholders and Multiple Jobholding Rates by Selected Characteristics, May of Selected Years, 1970–2004

(Thousands of people, percent, not seasonally adjusted.)

Year	Total employed	Multiple jobholders				Multiple jobholding rate ¹				
		Total	Men	Women		Total	Men	Women	White	Black ²
				Number	Percent of all multiple jobholders					
1970	78 358	4 048	3 412	636	15.7	5.2	7.0	2.2	5.3	4.4
1971	78 708	4 035	3 270	765	19.0	5.1	6.7	2.6	5.3	3.8
1972	81 224	3 770	3 035	735	19.5	4.6	6.0	2.4	4.8	3.7
1973	83 758	4 262	3 393	869	20.4	5.1	6.6	2.7	5.1	4.7
1974	85 786	3 889	3 022	867	22.3	4.5	5.8	2.6	4.6	3.8
1975	84 146	3 918	2 962	956	24.4	4.7	5.8	2.9	4.8	3.7
1976	87 278	3 948	3 037	911	23.1	4.5	5.8	2.6	4.7	2.8
1977	90 482	4 558	3 317	1 241	27.2	5.0	6.2	3.4	5.3	2.6
1978	93 904	4 493	3 212	1 281	28.5	4.8	5.8	3.3	5.0	3.1
1979	96 327	4 724	3 317	1 407	29.8	4.9	5.9	3.5	5.1	3.0
1980	96 809	4 759	3 210	1 549	32.5	4.9	5.8	3.8	5.1	3.2
1985	106 878	5 730	3 537	2 192	38.3	5.4	5.9	4.7	5.7	3.2
1989	117 084	7 225	4 115	3 109	43.0	6.2	6.4	5.9	6.5	4.3
1991	116 626	7 183	4 054	3 129	43.6	6.2	6.4	5.9	6.4	4.9
1994	122 946	7 316	3 973	3 343	45.7	6.0	6.0	5.9	6.1	4.9
1995	124 554	7 952	4 225	3 727	46.9	6.4	6.3	6.5	6.6	5.2
1996	126 391	7 846	4 352	3 494	44.5	6.2	6.4	6.0	6.4	5.1
1997	129 565	8 197	4 398	3 800	46.4	6.3	6.3	6.4	6.5	5.7
1998	131 476	8 126	4 438	3 688	45.4	6.2	6.3	6.1	6.3	5.5
1999	133 411	7 895	4 117	3 778	47.9	5.9	5.8	6.1	6.0	5.5
2000	136 685	7 751	4 084	3 667	47.3	5.7	5.6	5.8	5.9	4.9
2001	137 121	7 540	3 914	3 626	48.1	5.5	5.3	5.7	5.6	5.3
2002	136 559	7 247	3 736	3 511	48.4	5.3	5.1	5.6	5.5	4.7
2003	137 567	7 338	3 841	3 498	47.7	5.3	5.3	5.4	5.5	4.3
2004	138 897	7 258	3 653	3 605	49.7	5.2	4.9	5.6	5.3	5.1

Note: Data prior to 1985 reflect 1970 census-based population controls; for 1985–1991, 1980 census-based controls; for 1994–1997, 1990 census-based controls adjusted for the estimated undercount. Beginning in 1994, data reflect the introduction of a major redesign of the Current Population Survey. Beginning in 1997, data reflect revised population controls. Beginning in 1998, data reflect new composite estimation procedures and revised population controls. Beginning in 1999, 2000, and 2004 data reflect revised population controls. These changes affect comparability with data for prior periods. Comprehensive surveys of multiple jobholders were not conducted in 1981–1984, 1986–1988, 1990, and 1992–1993.

¹Multiple jobholders as a percent of all employed persons in specified group.

²Data for years prior to 1977 refer to the Black-and-Other population group.

Table 1-20. Multiple Jobholders by Sex, Age, Marital Status, Race, Hispanic Origin, and Job Status, 2000–2003

(Thousands of people, percent.)

Characteristic	Both sexes				Men				Women			
	Number		Rate ¹		Number		Rate ¹		Number		Rate ¹	
	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001	2000	2001
AGE												
Total, 16 years and over ²	7604	7357	5.6	5.4	3996	3834	5.5	5.2	3608	3523	5.7	5.5
16 to 19 years	338	303	4.7	4.5	142	124	3.9	3.6	196	179	5.6	5.4
20 to 24 years	735	736	5.6	5.5	329	331	4.7	4.8	406	404	6.5	6.3
25 to 34 years	1757	1644	5.6	5.3	961	895	5.6	5.3	797	750	5.6	5.4
35 to 44 years	2104	2046	5.8	5.7	1148	1099	5.9	5.7	956	947	5.7	5.7
45 to 54 years	1803	1762	5.9	5.7	929	901	5.9	5.5	874	862	6.1	5.8
55 to 64 years	715	716	5.1	4.9	390	391	5.1	4.9	325	326	5.1	4.8
65 years and over	152	150	3.6	3.5	98	95	4.1	3.9	54	55	3.1	3.0
MARITAL STATUS												
Single	2092	1981	5.7	5.4	998	950	4.9	4.7	1094	1031	6.6	6.2
Married, spouse present	4198	4073	5.4	5.2	2525	2408	5.7	5.5	1674	1665	4.9	4.9
Widowed, divorced, or separated	1314	1304	6.1	6.0	473	477	5.3	5.4	841	827	6.6	6.4
RACE AND HISPANIC ORIGIN												
White ³	6482	6300	5.7	5.5	3447	3298	5.5	5.3	3036	3002	5.8	5.7
Black ³	808	747	5.3	5.0	391	380	5.5	5.5	417	367	5.2	4.5
Hispanic origin	533	551	3.4	3.4	332	328	3.5	3.4	201	223	3.2	3.4
FULL- OR PART-TIME STATUS												
Primary job full-time, secondary job part-time	4208	4019	...	...	2430	2327	...	...	1778	1692	...	...
Primary and secondary jobs both part-time	1596	1578	...	...	518	510	...	...	1078	1068	...	...
Primary and secondary jobs both full-time	320	283	...	...	213	184	...	...	108	100	...	...
Hours vary on primary or secondary job	1438	1437	...	...	816	793	...	...	621	644	...	...

Characteristic	Both sexes				Men				Women			
	Number		Rate ¹		Number		Rate ¹		Number		Rate ¹	
	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002	2003
AGE												
Total, 16 years and over ²	7291	7315	5.3	5.3	3734	3716	5.0	5.1	3557	3599	5.6	5.6
16 to 19 years	286	280	4.5	4.7	114	107	3.6	3.7	171	173	5.4	5.7
20 to 24 years	740	778	5.5	5.8	335	350	4.8	5.0	405	428	6.4	6.7
25 to 34 years	1551	1513	5.1	5.0	833	817	5.0	4.9	718	696	5.2	5.1
35 to 44 years	2016	1918	5.7	5.5	1055	998	5.6	5.3	961	920	5.9	5.7
45 to 54 years	1808	1835	5.8	5.8	927	927	5.6	5.6	881	908	5.9	5.9
55 to 64 years	752	837	4.8	5.0	394	430	4.7	4.9	358	407	4.9	5.2
65 years and over	139	154	3.2	3.3	76	87	3.1	3.4	63	67	3.4	3.3
MARITAL STATUS												
Single	1980	1978	5.4	5.4	920	907	4.6	4.6	1060	1070	6.4	6.4
Married, spouse present	3998	4067	5.1	5.1	2362	2398	5.4	5.4	1636	1669	4.8	4.8
Widowed, divorced, or separated	1313	1270	6.1	5.8	452	410	5.1	4.6	861	860	6.7	6.6
RACE AND HISPANIC ORIGIN												
White ³	6270	6273	5.5	5.5	3233	3190	5.2	5.2	3037	3083	5.8	5.9
Black ³	709	645	4.8	4.4	343	328	4.9	4.8	366	317	4.6	4.0
Hispanic origin	579	554	3.5	3.2	347	325	3.5	3.1	232	229	3.4	3.3
FULL- OR PART-TIME STATUS												
Primary job full-time, secondary job part-time	3937	3825	...	...	2235	2164	...	...	1701	1661	...	...
Primary and secondary jobs both part-time	1590	1651	...	...	493	510	...	...	1097	1141	...	...
Primary and secondary jobs both full-time	276	273	...	...	186	187	...	...	90	86	...	...
Hours vary on primary or secondary job	1449	1523	...	...	801	831	...	...	647	692	...	...

Note: Estimates for the above race groups (White or Black) do not sum to totals because data are not presented for all races. In addition, persons whose ethnicity is identified as Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as by race. Beginning in January 2003, data reflect revised population controls used in the household survey.

¹Multiple jobholders as a percent of all employed persons in specified group.

²Includes a small number of persons who work part time on their primary job and full time on their secondary job(s), not shown separately.

³Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-21. Multiple Jobholders by Industry of Principal Secondary Job, and Sex, 2001–2003, Annual Averages

(Thousands of people.)

Industry of secondary job	Total	Men	Women
2001			
Nonagricultural industries, wage and salary workers	5 187	2 497	2 690
Mining	5	5	...
Construction	236	188	47
Manufacturing	204	130	75
Durable goods	117	80	36
Nondurable goods	88	49	38
Wholesale and retail trade	1 150	492	657
Wholesale trade	92	58	34
Retail trade	1 058	434	623
Transportation and warehousing	188	143	46
Utilities	8	6	2
Information	219	136	84
Financial activities	342	196	146
Professional and business services	867	523	343
Education and health services	1 451	535	917
Leisure and hospitality	1 120	561	559
Other services	553	243	310
Other services, except private households	487	233	253
Other services, private households	66	9	57
Public administration	194	144	51
2002			
Nonagricultural industries, wage and salary workers	5 066	2 333	2 733
Mining	4	2	2
Construction	240	197	43
Manufacturing	174	110	64
Durable goods	100	71	29
Nondurable goods	74	40	35
Wholesale and retail trade	1 106	473	633
Wholesale trade	104	63	40
Retail trade	1 003	410	593
Transportation and warehousing	177	121	56
Utilities	10	7	3
Information	184	117	67
Financial activities	342	197	145
Professional and business services	874	513	361
Education and health services	1 425	500	925
Leisure and hospitality	1 071	499	572
Other services	545	253	292
Other services, except private households	473	249	225
Other services, private households	71	4	67
Public administration	191	129	63
2003			
Nonagricultural industries, wage and salary workers	5 134	2 402	2 732
Mining	3	2	1
Construction	141	90	51
Manufacturing	147	94	53
Durable goods	80	55	25
Nondurable goods	67	39	28
Wholesale and retail trade	875	382	493
Wholesale trade	76	57	19
Retail trade	799	325	474
Transportation and warehousing	160	112	48
Utilities	13	10	4
Information	144	92	52
Financial activities	251	142	109
Professional and business services	483	270	213
Education and health services	1 296	437	859
Leisure and hospitality	966	444	521
Other services	439	181	258
Other services, except private households	364	175	189
Other services, private households	75	6	68
Public administration	217	146	71

... = Not available.

Table 1-22. Employment and Unemployment in Families by Race and Hispanic Origin, 1997–2003, Annual Averages

(Thousands of people, percent.)

Characteristic	1997	1998	1999	2000	2001	2002	2003
TOTAL							
Total Families	69 714	70 218	71 250	71 680	73 306	74 169	75 301
With employed member(s)	57 289	57 986	59 185	59 626	60 707	61 121	61 761
As percent of total families	82.2	82.6	83.1	83.2	82.8	82.4	82.0
Some usually work full time ¹	53 226	53 945	55 123	55 683	56 519	56 742	57 229
With no employed member	12 425	12 232	12 065	12 054	12 600	13 048	13 540
As percent of total families	17.8	17.4	16.9	16.8	17.2	17.6	18.0
With unemployed member(s)	4 913	4 503	4 260	4 110	4 847	5 809	6 079
As percent of total families	7.0	6.4	6.0	5.7	6.6	7.8	8.1
Some member(s) employed	3 445	3 177	3 091	2 973	3 494	4 126	4 285
As percent of families with unemployed member(s)	70.1	70.6	72.6	72.3	72.1	71.0	70.5
Some usually work full time ¹	3 070	2 830	2 771	2 675	3 122	3 668	3 790
As percent of families with unemployed member(s)	62.5	62.8	65.0	65.1	64.4	63.1	62.3
WHITE ²							
Total Families	58 514	58 930	59 661	59 918	60 921	61 494	61 995
With employed member(s)	48 378	48 850	49 632	49 877	50 505	50 785	51 002
As percent of total families	82.7	82.9	83.2	83.2	83.0	82.6	82.3
Some usually work full time ¹	45 069	45 567	46 333	46 639	47 060	47 193	47 356
With no employed member	10 135	10 080	10 029	10 042	10 416	10 709	10 993
As percent of total families	17.3	17.1	16.8	16.8	17.0	17.4	17.7
With unemployed member(s)	3 566	3 299	3 134	3 010	3 553	4 275	4 411
As percent of total families	6.1	5.6	5.3	5.0	5.8	7.0	7.1
Some member(s) employed	2 632	2 463	2 374	2 276	2 661	3 164	3 245
As percent of families with unemployed member(s)	73.8	74.7	75.8	75.6	74.9	74.0	73.6
Some usually work full time ¹	2 353	2 204	2 132	2 052	2 379	2 808	2 873
As percent of families with unemployed member(s)	66.0	66.8	68.0	68.2	67.0	65.7	65.1
BLACK ²							
Total Families	8 308	8 317	8 498	8 600	8 674	8 845	8 869
With employed member(s)	6 409	6 554	6 847	6 964	6 933	6 987	6 906
As percent of total families	77.1	78.8	80.6	81.0	80.0	79.0	77.9
Some usually work full time ¹	5 810	5 953	6 249	6 401	6 373	6 390	6 270
With no employed member	1 899	1 763	1 652	1 636	1 742	1 858	1 963
As percent of total families	22.9	21.2	19.4	19.0	20.1	21.0	22.1
With unemployed member(s)	1 104	984	905	881	990	1 162	1 213
As percent of total families	13.3	11.8	10.6	10.2	11.4	13.1	13.7
Some member(s) employed	631	555	551	535	596	689	695
As percent of families with unemployed member(s)	57.2	56.4	60.9	60.8	60.2	59.3	57.3
Some usually work full time ¹	553	485	486	476	533	611	612
As percent of families with unemployed member(s)	50.1	49.3	53.7	54.1	53.8	52.6	50.5
HISPANIC							
Total Families	6 779	7 025	7 403	7 581	8 140	8 650	9 185
With employed member(s)	5 701	5 947	6 405	6 633	7 100	7 485	7 907
As percent of total families	84.1	84.7	86.5	87.5	87.2	86.5	86.1
Some usually work full time ¹	5 285	5 545	6 017	6 255	6 692	6 989	7 383
With no employed member	1 078	1 078	998	947	1 040	1 165	1 277
As percent of total families	15.9	15.3	13.5	12.5	12.8	13.5	13.9
With unemployed member(s)	789	744	715	679	809	965	1 020
As percent of total families	11.6	10.6	9.7	9.0	9.9	11.2	11.1
Some member(s) employed	532	522	518	493	592	686	715
As percent of families with unemployed member(s)	67.4	70.2	72.4	72.7	73.2	71.1	70.1
Some usually work full time ¹	473	467	467	446	537	615	640
As percent of families with unemployed member(s)	59.9	62.8	65.3	65.8	66.4	63.7	62.7

Note: The race or ethnicity of the family is determined by that of the householder. Estimates for the above race groups (white or black) do not sum to totals because data are not presented for all races. In addition, persons whose ethnicity is identified as Hispanic or Latino may be of any race and, therefore, are classified by ethnicity as well as by race. Detail may not sum to totals due to rounding. Data for 2003 reflect revised population controls used in the Current Population Survey.

¹Usually work 35 hours or more a week at all jobs.

²Beginning in 2003, families where the householder selected this race group only; families where the householder selected more than one race group are excluded. Prior to 2003, families where the householder selected more than one race group were included in the group that the householder identified as their main race.

Table 1-23. Families by Presence and Relationship of Employed Members and Family Type, 1998–2003, Annual Averages

(Thousands of people, percent.)

Characteristic	Number						Percent distribution					
	1998	1999	2000	2001	2002	2003	1998	1999	2000	2001	2002	2003
MARRIED-COUPLE FAMILIES												
Total	53 689	54 468	54 704	55 749	56 280	57 074	100.0	100.0	100.0	100.0	100.0	100.0
Member(s) employed, total	45 061	45 800	45 967	46 680	46 976	47 535	83.9	84.1	84.0	83.7	83.5	83.3
Husband only	10 285	10 533	10 500	10 833	11 174	11 403	19.2	19.3	19.2	19.4	19.9	20.0
Wife only	2 843	2 980	2 946	3 257	3 613	3 863	5.3	5.5	5.4	5.8	6.4	6.8
Husband and wife	28 531	28 882	29 128	29 241	28 873	29 077	53.1	53.0	53.2	52.5	51.3	50.9
Other employment combinations	3 402	3 404	3 394	3 350	3 317	3 193	6.3	6.2	6.2	6.0	5.9	5.6
No member(s) employed	8 628	8 668	8 737	9 068	9 303	9 539	16.1	15.9	16.0	16.3	16.5	16.7
FAMILIES MAINTAINED BY WOMEN ¹												
Total	12 447	12 625	12 775	13 037	13 215	13 450	100.0	100.0	100.0	100.0	100.0	100.0
Member(s) employed, total	9 417	9 797	10 026	10 131	10 169	10 187	75.7	77.6	78.5	77.7	77.0	75.7
Householder only	5 322	5 566	5 581	5 667	5 944	5 987	42.8	44.1	43.7	43.5	45.0	44.5
Householder and other member(s)	2 582	2 663	2 806	2 778	2 559	2 539	20.7	21.1	22.0	21.3	19.4	18.9
Other member(s), not householder	1 513	1 568	1 639	1 686	1 666	1 660	12.2	12.4	12.8	12.9	12.6	12.3
No member(s) employed	3 029	2 827	2 749	2 906	3 047	3 263	24.3	22.4	21.5	22.3	23.1	24.3
FAMILIES MAINTAINED BY MEN ¹												
Total	4 083	4 158	4 200	4 521	4 674	4 777	100.0	100.0	100.0	100.0	100.0	100.0
Member(s) employed, total	3 509	3 588	3 632	3 895	3 976	4 039	85.9	86.3	86.5	86.2	85.1	84.6
Householder only	1 746	1 718	1 761	1 875	1 939	1 954	42.8	41.3	41.9	41.5	41.5	40.9
Householder and other member(s)	1 283	1 353	1 358	1 450	1 440	1 427	31.4	32.5	32.3	32.1	30.8	29.9
Other member(s), not householder	480	517	514	570	598	658	11.8	12.4	12.2	12.6	12.8	13.8
No member(s) employed	574	569	567	625	698	739	14.1	13.7	13.5	13.8	14.9	15.5

Note: Detail may not sum to totals due to rounding. Data for 2003 reflect revised population controls used in the Current Population Survey.

¹No spouse present.

Table 1-24. Unemployment in Families by Presence and Relationship of Employed Members and Family Type, 1998–2003, Annual Averages

(Thousands of people, percent.)

Characteristic	Number						Percent distribution					
	1998	1999	2000	2001	2002	2003	1998	1999	2000	2001	2002	2003
MARRIED-COUPLE FAMILIES												
With Unemployed Member(s), Total	2 815	2 705	2 584	3 081	3 772	3 857	100.0	100.0	100.0	100.0	100.0	100.0
No member employed	471	440	411	531	676	713	16.7	16.3	15.9	17.2	17.9	18.5
Some member(s) employed	2 343	2 265	2 174	2 550	3 096	3 144	83.2	83.7	84.1	82.8	82.1	81.5
Husband unemployed	948	924	836	1 160	1 523	1 600	33.7	34.2	32.3	37.7	40.4	41.5
Wife employed	594	589	531	736	993	1 023	21.1	21.8	20.5	23.9	26.3	26.5
Wife unemployed	844	790	789	918	1 117	1 129	30.0	29.2	30.5	29.8	29.6	29.3
Husband employed	745	696	694	809	969	991	26.5	25.8	26.8	26.3	25.7	25.7
Other family member unemployed	1 023	991	959	1 003	1 133	1 129	36.3	36.6	37.1	32.6	30.0	29.3
FAMILIES MAINTAINED BY WOMEN ¹												
With Unemployed Member(s), Total	1 301	1 222	1 194	1 324	1 504	1 612	100.0	100.0	100.0	100.0	100.0	100.0
No member employed	696	613	587	643	787	842	53.5	50.2	49.1	48.6	52.3	52.2
Some member(s) employed	605	609	607	681	717	770	46.5	49.8	50.9	51.4	47.7	47.8
Householder unemployed	612	560	522	593	737	791	47.0	45.8	43.7	44.8	49.0	49.1
Other member(s) employed	99	110	102	129	147	162	7.6	9.0	8.5	9.7	9.8	10.0
Other member(s) unemployed	689	662	672	731	767	821	53.0	54.2	56.3	55.2	51.0	50.9
FAMILIES MAINTAINED BY MEN ¹												
With Unemployed Member(s), Total	388	333	331	442	533	610	100.0	100.0	100.0	100.0	100.0	100.0
No member employed	158	115	139	178	220	239	40.7	34.6	42.0	40.3	41.3	39.2
Some member(s) employed	229	218	192	264	313	371	59.0	65.4	58.0	59.7	58.7	60.8
Householder unemployed	186	154	173	234	303	340	47.9	46.4	52.2	52.9	56.8	55.7
Other member(s) employed	69	71	67	96	129	158	17.8	21.4	20.4	21.7	24.2	25.9
Other member(s) unemployed	202	178	158	208	230	270	52.1	53.6	47.8	47.1	43.2	44.3

Note: Detail may not sum to totals due to rounding. Data for 2003 reflect revised population controls used in the Current Population Survey.

¹No spouse present.

Table 1-25. Employment Status of the Population by Sex, Marital Status, and Presence and Age of Own Children Under 18, 1998–2003, Annual Averages

(Thousands of people, percent.)

Characteristic	1998			1999			2000		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
WITH OWN CHILDREN UNDER 18 YEARS, TOTAL									
Civilian noninstitutional population	62 912	27 489	35 423	63 158	27 573	35 585	63 267	27 673	35 595
Civilian labor force	51 462	26 018	25 443	51 778	26 092	25 686	51 944	26 202	25 742
Participation rate	81.8	94.6	71.8	82.0	94.6	72.2	82.1	94.7	72.3
Employed	49 480	25 333	24 147	50 010	25 472	24 538	50 259	25 622	24 637
Employment-population ratio	78.6	92.2	68.2	79.2	92.4	69.0	79.4	92.6	69.2
Full-time workers ¹	42 372	24 562	17 811	43 033	24 712	18 321	43 365	24 922	18 443
Part-time workers ²	7 108	771	6 337	6 977	761	6 216	6 894	699	6 195
Unemployed	1 981	686	1 296	1 768	620	1 149	1 685	581	1 104
Unemployment rate	3.8	2.6	5.1	3.4	2.4	4.5	3.2	2.2	4.3
MARRIED, SPOUSE PRESENT									
Civilian noninstitutional population	51 061	25 325	25 737	51 302	25 462	25 840	51 415	25 540	25 874
Civilian labor force	42 088	24 080	18 009	42 260	24 222	18 038	42 361	24 290	18 072
Participation rate	82.4	95.1	70.0	82.4	95.1	69.8	82.4	95.1	69.8
Employed	40 914	23 506	17 408	41 193	23 688	17 505	41 357	23 816	17 541
Employment-population ratio	80.1	92.8	67.6	80.3	93.0	67.7	80.4	93.2	67.8
Full-time workers ¹	35 197	22 839	12 357	35 568	23 024	12 544	35 793	23 212	12 581
Part-time workers ²	5 718	667	5 051	5 625	664	4 961	5 564	604	4 960
Unemployed	1 174	573	601	1 067	534	533	1 004	474	531
Unemployment rate	2.8	2.4	3.3	2.5	2.2	3.0	2.4	2.0	2.9
OTHER MARITAL STATUS³									
Civilian noninstitutional population	11 851	2 166	9 686	11 856	2 110	9 746	11 853	2 132	9 720
Civilian labor force	9 374	1 939	7 434	9 518	1 870	7 648	9 583	1 913	7 670
Participation rate	79.1	89.5	76.7	80.3	88.6	78.5	80.8	89.7	78.9
Employed	8 565	1 826	6 739	8 817	1 784	7 032	8 902	1 806	7 096
Employment-population ratio	72.3	84.3	69.6	74.4	84.6	72.2	75.1	84.7	73.0
Full-time workers ¹	7 177	1 724	5 453	7 465	1 687	5 777	7 572	1 710	5 862
Part-time workers ²	1 391	104	1 286	1 352	97	1 255	1 330	96	1 234
Unemployed	807	113	695	702	86	616	681	107	574
Unemployment rate	8.6	5.8	9.3	7.4	4.6	8.1	7.1	5.6	7.5
WITH OWN CHILDREN 6 TO 17 YEARS, NONE YOUNGER									
Civilian noninstitutional population	34 329	14 947	19 383	34 662	15 090	19 572	34 737	15 165	19 572
Civilian labor force	29 003	13 969	15 033	29 403	14 092	15 311	29 576	14 178	15 398
Participation rate	84.5	93.5	77.6	84.8	93.4	78.2	85.1	93.5	78.7
Employed	28 046	13 629	14 417	28 528	13 782	14 747	28 744	13 877	14 868
Employment-population ratio	81.7	91.2	74.4	82.3	91.3	75.3	82.7	91.4	76.0
Full-time workers ¹	24 286	13 238	11 048	24 807	13 385	11 422	25 042	13 513	11 529
Part-time workers ²	3 760	391	3 369	3 722	397	3 325	3 703	364	3 339
Unemployed	957	340	617	875	310	564	832	302	530
Unemployment rate	3.3	2.4	4.1	3.0	2.2	3.7	2.8	2.1	3.4
WITH OWN CHILDREN UNDER 6 YEARS									
Civilian noninstitutional population	28 583	12 543	16 040	28 496	12 482	16 014	28 530	12 508	16 022
Civilian labor force	22 459	12 049	10 410	22 375	12 000	10 375	22 368	12 024	10 344
Participation rate	78.6	96.1	64.9	78.5	96.1	64.8	78.4	96.1	64.6
Employed	21 434	11 703	9 731	21 482	11 691	9 791	21 515	11 745	9 770
Employment-population ratio	75.0	93.3	60.7	75.4	93.7	61.1	75.4	93.9	61.0
Full-time workers ¹	18 086	11 323	6 763	18 227	11 327	6 900	18 323	11 410	6 914
Part-time workers ²	3 348	380	2 968	3 255	364	2 891	3 191	335	2 856
Unemployed	1 025	346	679	894	310	584	853	279	574
Unemployment rate	4.6	2.9	6.5	4.0	2.6	5.6	3.8	2.3	5.6
WITH NO OWN CHILDREN UNDER 18 YEARS									
Civilian noninstitutional population	140 436	69 396	71 040	143 160	70 714	72 446	145 199	71 825	73 374
Civilian labor force	84 735	46 464	38 271	86 424	47 255	39 169	88 014	48 140	39 874
Participation rate	60.3	67.0	53.9	60.4	66.8	54.1	60.6	67.0	54.3
Employed	80 545	43 922	36 623	82 333	44 828	37 504	84 058	45 781	38 278
Employment-population ratio	57.4	63.3	51.6	57.5	63.4	51.8	57.9	63.7	52.2
Full-time workers ¹	64 429	37 226	27 203	66 136	38 086	28 051	68 046	39 136	28 910
Part-time workers ²	16 116	6 696	9 420	16 196	6 743	9 454	16 012	6 645	9 367
Unemployed	4 190	2 542	1 648	4 091	2 426	1 665	3 956	2 359	1 596
Unemployment rate	4.9	5.5	4.3	4.7	5.1	4.3	4.5	4.9	4.0

Note: Own children include sons, daughters, step-children, and adopted children. Not included are nieces, nephews, grandchildren, and other related and unrelated children. Detail may not sum to totals due to rounding. Data for 2003 reflect revised population controls used in the Current Population Survey.

¹Usually work 35 hours or more a week at all jobs.

²Usually work less than 35 hours a week at all jobs.

³Includes never-married, divorced, separated, and widowed persons.

Table 1-25. Employment Status of the Population by Sex, Marital Status, and Presence and Age of Own Children Under 18, 1998–2003, Annual Averages—Continued

(Thousands of people, percent.)

Characteristic	2001			2002			2003		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
WITH OWN CHILDREN UNDER 18 YEARS, TOTAL									
Civilian noninstitutional population	64 100	28 076	36 024	64 399	28 137	36 263	64 932	28 402	36 530
Civilian labor force	52 489	26 551	25 938	52 566	26 529	26 036	52 727	26 739	25 988
Participation rate	81.9	95.0	72.0	81.6	94.3	71.8	81.2	94.1	71.1
Employed	50 455	25 750	24 704	50 022	25 474	24 549	50 103	25 638	24 466
Employment-population ratio	78.7	91.7	68.6	77.7	90.5	67.7	77.2	90.3	67.0
Full-time workers ¹	43 424	24 964	18 460	42 884	24 644	18 240	42 880	24 762	18 118
Part-time workers ²	7 031	787	6 244	7 138	829	6 308	7 223	876	6 347
Unemployed	2 034	801	1 233	2 543	1 056	1 488	2 624	1 101	1 523
Unemployment rate	3.9	3.0	4.8	4.8	4.0	5.7	5.0	4.1	5.9
MARRIED, SPOUSE PRESENT									
Civilian noninstitutional population	51 981	25 796	26 185	51 947	25 781	26 166	52 476	26 049	26 427
Civilian labor force	42 712	24 512	18 201	42 492	24 425	18 067	42 776	24 638	18 138
Participation rate	82.2	95.0	69.5	81.8	94.7	69.0	81.5	94.6	68.6
Employed	41 431	23 849	17 581	40 867	23 533	17 334	41 128	23 712	17 416
Employment-population ratio	79.7	92.5	67.1	78.7	91.3	66.2	78.4	91.0	65.9
Full-time workers ¹	35 772	23 169	12 603	35 180	22 825	12 356	35 315	22 954	12 360
Part-time workers ²	5 659	680	4 979	5 687	708	4 979	5 813	757	5 056
Unemployed	1 282	662	619	1 625	893	733	1 648	926	722
Unemployment rate	3.0	2.7	3.4	3.8	3.7	4.1	3.9	3.8	4.0
OTHER MARITAL STATUS³									
Civilian noninstitutional population	12 119	2 280	9 839	12 452	2 355	10 096	12 455	2 354	10 102
Civilian labor force	9 777	2 039	7 737	10 073	2 103	7 970	9 950	2 100	7 850
Participation rate	80.7	89.4	78.6	80.9	89.3	78.9	79.9	89.2	77.7
Employed	9 024	1 902	7 123	9 155	1 941	7 215	8 975	1 926	7 050
Employment-population ratio	74.5	83.4	72.4	73.5	82.4	71.5	72.1	81.8	69.8
Full-time workers ¹	7 652	1 795	5 857	7 704	1 820	5 885	7 566	1 807	5 759
Part-time workers ²	1 372	107	1 265	1 451	122	1 329	1 411	118	1 291
Unemployed	752	138	614	918	163	755	976	175	800
Unemployment rate	7.7	6.8	7.9	9.1	7.8	9.5	9.8	8.3	10.2
WITH OWN CHILDREN 6 TO 17 YEARS, NONE YOUNGER									
Civilian noninstitutional population	35 523	15 486	20 038	35 829	15 580	20 250	35 943	15 653	20 290
Civilian labor force	30 182	14 489	15 693	30 371	14 541	15 830	30 362	14 572	15 790
Participation rate	85.0	93.6	78.3	84.8	93.3	78.2	84.5	93.1	77.8
Employed	29 174	14 096	15 078	29 122	14 023	15 099	29 040	14 008	15 032
Employment-population ratio	82.1	91.0	75.2	81.3	90.0	74.6	80.8	91.2	74.1
Full-time workers ¹	25 382	13 689	11 693	25 225	13 586	11 638	25 116	13 558	11 557
Part-time workers ²	3 792	407	3 385	3 898	437	3 461	3 925	450	3 475
Unemployed	1 008	393	615	1 249	518	731	1 322	564	758
Unemployment rate	3.3	2.7	3.9	4.1	3.6	4.6	4.4	3.9	4.8
WITH OWN CHILDREN UNDER 6 YEARS									
Civilian noninstitutional population	28 577	12 590	15 986	28 570	12 557	16 013	28 988	12 749	16 240
Civilian labor force	22 307	12 062	10 245	22 194	11 988	10 206	22 365	12 167	10 198
Participation rate	78.1	95.8	64.1	77.7	95.5	63.7	77.2	95.4	62.8
Employed	21 280	11 654	9 626	20 900	11 450	9 450	21 063	11 630	9 433
Employment-population ratio	74.5	92.6	60.2	73.2	91.2	59.0	72.7	91.2	58.1
Full-time workers ¹	18 041	11 274	6 767	17 660	11 058	6 602	17 764	11 203	6 561
Part-time workers ²	3 239	380	2 859	3 240	392	2 848	3 299	426	2 872
Unemployed	1 026	408	619	1 294	538	757	1 302	538	765
Unemployment rate	4.6	3.4	6.0	5.8	4.5	7.4	5.8	4.4	7.5
WITH NO OWN CHILDREN UNDER 18 YEARS									
Civilian noninstitutional population	149 643	73 857	75 786	151 715	74 993	76 722	154 714	76 510	78 204
Civilian labor force	90 171	49 249	40 922	90 971	49 644	41 327	92 319	50 036	42 284
Participation rate	60.3	66.7	54.0	60.0	66.2	53.9	59.7	65.4	54.1
Employed	85 421	46 371	39 050	85 187	46 154	39 034	86 233	46 294	39 939
Employment-population ratio	57.1	62.8	51.5	56.1	61.5	50.9	55.7	60.5	51.1
Full-time workers ¹	69 074	39 596	29 478	68 574	39 319	29 254	69 073	39 245	29 827
Part-time workers ²	16 347	6 776	9 572	16 614	6 834	9 779	17 160	7 049	10 111
Unemployed	4 750	2 878	1 872	5 784	3 491	2 293	6 087	3 741	2 345
Unemployment rate	5.3	5.8	4.6	6.4	7.0	5.5	6.6	7.5	5.5

Note: Own children include sons, daughters, step-children, and adopted children. Not included are nieces, nephews, grandchildren, and other related and unrelated children. Detail may not sum to totals due to rounding. Data for 2003 reflect revised population controls used in the Current Population Survey.

¹Usually work 35 hours or more a week at all jobs.

²Usually work less than 35 hours a week at all jobs.

³Includes never-married, divorced, separated, and widowed persons.

Table 1-26. Employment Status of Mothers with Own Children Under 3 Years Old by Age of Youngest Child, and Marital Status, 1999–2003, Annual Averages

(Thousands of people, percent.)

Year and characteristic	Civilian noninstitutional population	Civilian labor force						Unemployed	
		Total	Percent of population	Employed				Number	Percent of labor force
				Total	Percent of population	Full-time workers ¹	Part-time workers ²		
1999									
Total Mothers With Own Children Under 3 Years	9 339	5 742	61.5	5 389	57.7	3 692	1 697	353	6.1
2 years	2 890	1 888	65.3	1 788	61.9	1 257	530	101	5.3
1 year	3 283	2 062	62.8	1 934	58.9	1 298	635	128	6.2
Under 1 year	3 166	1 792	56.6	1 668	52.7	1 137	531	124	6.9
Married, Spouse Present With Own Children Under 3 Years	7 089	4 224	59.6	4 078	57.5	2 744	1 334	147	3.5
2 years	2 175	1 356	62.4	1 316	60.5	898	419	40	2.9
1 year	2 522	1 532	60.8	1 477	58.6	964	513	56	3.6
Under 1 year	2 392	1 336	55.8	1 285	53.7	882	403	51	3.8
Other Marital Status With Own Children Under 3 Years³	2 251	1 517	67.4	1 311	58.3	949	362	206	13.6
2 years	715	532	74.4	472	65.9	360	112	61	11.4
1 year	761	529	69.5	457	60.0	334	123	72	13.7
Under 1 year	774	456	58.8	383	49.5	255	128	73	16.0
2000									
Total Mothers With Own Children Under 3 Years	9 356	5 653	60.4	5 311	56.8	3 614	1 697	342	6.0
2 years	2 803	1 807	64.5	1 712	61.1	1 193	519	95	5.3
1 year	3 300	2 069	62.7	1 939	58.8	1 310	629	130	6.3
Under 1 year	3 253	1 777	54.6	1 660	51.0	1 112	548	117	6.6
Married, Spouse Present With Own Children Under 3 Years	7 056	4 090	58.0	3 940	55.8	2 613	1 327	150	3.7
2 years	2 096	1 276	60.9	1 233	58.9	823	411	42	3.3
1 year	2 499	1 503	60.1	1 448	57.9	953	495	55	3.6
Under 1 year	2 461	1 312	53.3	1 259	51.1	837	421	53	4.1
Other Marital Status With Own Children Under 3 Years³	2 300	1 563	67.9	1 371	59.6	1 002	370	191	12.2
2 years	707	531	75.1	478	67.6	370	108	53	9.9
1 year	801	566	70.7	491	61.3	357	134	75	13.2
Under 1 year	792	465	58.8	402	50.7	275	127	64	13.7
2001									
Total Mothers With Own Children Under 3 Years	9 352	5 613	60.0	5 227	55.9	3 591	1 636	387	6.9
2 years	2 844	1 868	65.7	1 751	61.6	1 218	533	117	6.3
1 year	3 405	2 050	60.2	1 911	56.1	1 308	603	140	6.8
Under 1 year	3 103	1 695	54.6	1 565	50.4	1 065	500	130	7.7
Married, Spouse Present With Own Children Under 3 Years	7 079	4 058	57.3	3 884	54.9	2 601	1 282	175	4.3
2 years	2 120	1 310	61.8	1 258	59.3	839	419	53	4.0
1 year	2 589	1 479	57.1	1 416	54.7	940	475	63	4.3
Under 1 year	2 370	1 269	53.5	1 210	51.1	822	388	59	4.6
Other Marital Status With Own Children Under 3 Years³	2 269	1 555	68.5	1 343	59.2	989	352	212	13.6
2 years	723	558	77.2	493	68.2	379	114	65	11.6
1 year	814	571	70.1	495	60.8	367	127	76	13.3
Under 1 year	732	426	58.2	355	48.5	243	111	71	16.7
2002									
Total Mothers With Own Children Under 3 Years	9 350	5 632	60.2	5 181	55.4	3 513	1 667	451	8.0
2 years	2 949	1 895	64.3	1 758	59.6	1 234	524	137	7.2
1 year	3 310	2 003	60.5	1 852	56.0	1 241	610	151	7.5
Under 1 year	3 091	1 734	56.1	1 571	50.8	1 038	533	163	9.4
Married, Spouse Present With Own Children Under 3 Years	7 073	4 071	57.6	3 869	54.7	2 572	1 297	203	5.0
2 years	2 201	1 333	60.6	1 274	57.9	870	404	59	4.4
1 year	2 509	1 446	57.6	1 379	55.0	902	477	67	4.6
Under 1 year	2 363	1 292	54.7	1 216	51.5	800	416	77	6.0
Other Marital Status With Own Children Under 3 Years³	2 278	1 562	68.6	1 313	57.6	941	372	248	15.9
2 years	748	562	75.1	484	64.7	364	120	77	13.7
1 year	802	557	69.5	473	59.0	340	134	84	15.1
Under 1 year	728	443	60.9	356	48.9	237	118	87	19.6
2003									
Total Mothers With Own Children Under 3 Years	9 450	5 563	58.9	5 115	54.1	3 430	1 685	446	8.0
2 years	2 987	1 896	63.5	1 752	58.7	1 205	547	143	7.5
1 year	3 353	1 997	59.6	1 842	54.9	1 223	619	154	7.7
Under 1 year	3 110	1 670	53.7	1 521	48.9	1 002	519	149	8.9
Married, Spouse Present With Own Children Under 3 Years	7 165	4 068	56.8	3 872	54.0	2 529	1 342	197	4.8
2 years	2 243	1 350	60.2	1 281	57.1	853	428	69	5.1
1 year	2 541	1 458	57.4	1 395	54.9	906	488	64	4.4
Under 1 year	2 381	1 260	52.9	1 196	50.2	770	426	64	5.1
Other Marital Status With Own Children Under 3 Years³	2 287	1 495	65.4	1 244	54.4	902	341	250	16.7
2 years	744	546	73.4	471	63.3	352	118	75	13.7
1 year	813	539	66.3	448	55.1	317	131	91	16.9
Under 1 year	730	410	56.2	325	44.5	233	92	84	20.5

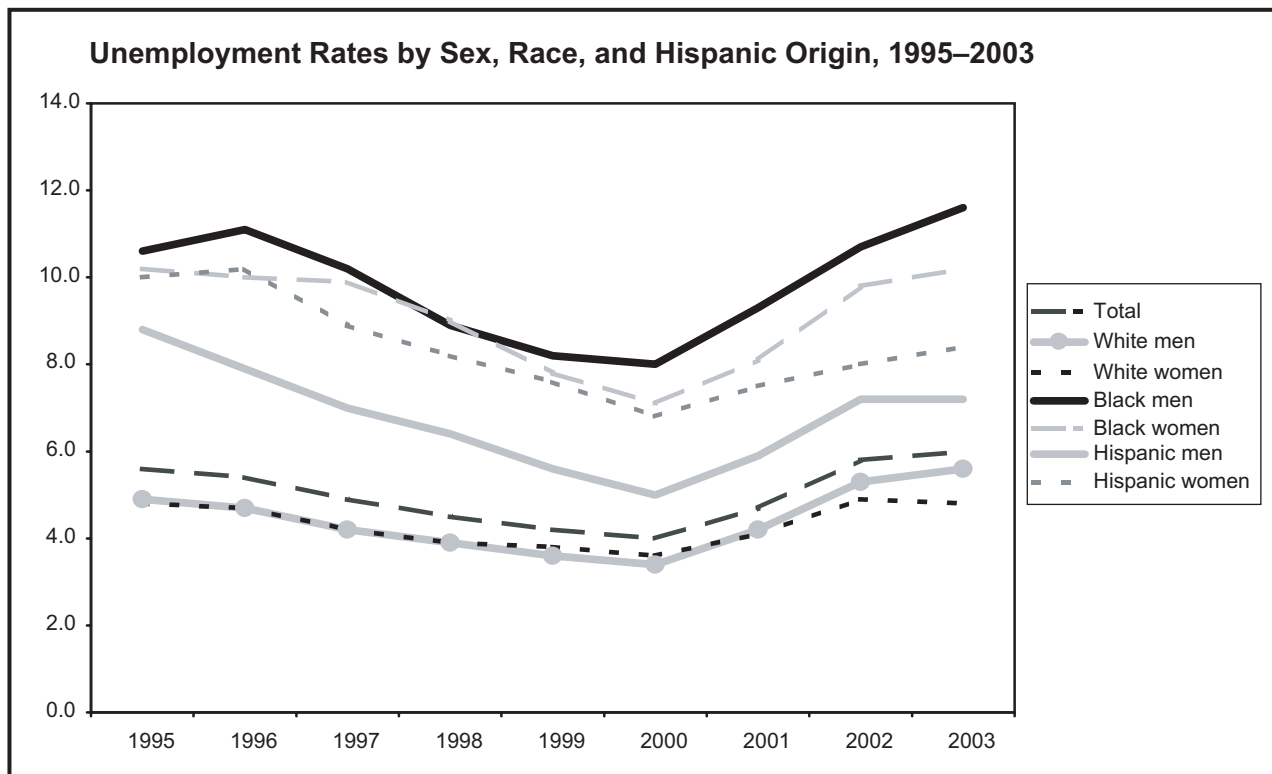
Note: Own children include sons, daughters, step-children, and adopted children. Not included are nieces, nephews, grandchildren, and other related and unrelated children. Detail may not sum to totals due to rounding. Data for 2003 reflect revised population controls used in the Current Population Survey.

¹Usually work 35 hours or more a week at all jobs.

²Usually work less than 35 hours a week at all jobs.

³Includes never-married, divorced, separated, and widowed persons.

UNEMPLOYMENT



The unemployment rate for all persons 16 and over rose in 2003, but at a slower rate than the previous year. The unemployment rate for Black men increased the most and was more than twice that for White men (11.6 percent compared with 5.6 percent). The unemployment rate for White women declined fractionally, only 0.1 percent, while it stayed the same for Hispanic men. The rates for Black women and Hispanic women both increased at a rate of 0.4 percent. (*Hispanics may be Black or White*) (Table 1-29)

OTHER HIGHLIGHTS:

- *The unemployment rate also masks sharp differences in the rates for different age groups. The unemployment rate for the 16–19 age group always has been much higher than the average and was 17.5 percent in 2003. The overall unemployment rate was 6.0 percent. The unemployment rate for 20–24 year olds was substantially lower than the unemployment rate for 16–19 years olds but was still much higher than average at 10 percent.* (Table 1-29)
- *The unemployment rate for women was lower than for men at all age groups. However, for the 35–44 age group, the unemployment rates were extremely close, 5.0 percent for the men and 4.9 percent for the women.* (Table 1-29)
- *The actual number of unemployed also increased in 2003. However the increase was less than 400,000 compared with the 1.5 million increase from 2001 to 2002.* (Table 1-1)
- *Thirteen states and the District of Columbia had unemployment rates more than .2 points above the national average. As in 2002, Alaska, Oregon, and Washington were the highest, exceeding 7 percent. Michigan was added to the high unemployment list rising from 6.2 to 7.3 from 2002 to 2003.* (Table 1-5)
- *The average duration of unemployment increased from 16.6 to 19.2 weeks. Of the total unemployed, 22 percent had been without work for 27 weeks or longer in 2003.* (Table 1-36)

Table 1-27. Unemployment Rate According to Selected Characteristics, 1948–2003

(Unemployment as a percent of civilian labor force.)

Year	All civilian workers	Men 20 years and over	Women 20 years and over	Both sexes 16 to 19 years	White	Black	Hispanic	Population 25 years and over			
								Less than high school diploma	High school graduate, no college	Some college or associate degree	Bachelor's degree or higher
1948	3.8	3.2	3.6	9.2	...	...	...	...	...	...	...
1949	5.9	5.4	5.3	13.4	...	...	...	...	...	...	...
1950	5.3	4.7	5.1	12.2	...	...	...	...	...	...	...
1951	3.3	2.5	4.0	8.2	...	...	...	...	...	...	...
1952	3.0	2.4	3.2	8.5	...	...	...	...	...	...	...
1953	2.9	2.5	2.9	7.6	...	...	...	...	...	...	...
1954	5.5	4.9	5.5	12.6	5.0	...	...	...	...	...	...
1955	4.4	3.8	4.4	11.0	3.9	...	...	...	...	...	...
1956	4.1	3.4	4.2	11.1	3.6	...	...	...	...	...	...
1957	4.3	3.6	4.1	11.6	3.8	...	...	...	...	...	...
1958	6.8	6.2	6.1	15.9	6.1	...	...	...	...	...	...
1959	5.5	4.7	5.2	14.6	4.8	...	...	...	...	...	...
1960	5.5	4.7	5.1	14.7	5.0	...	...	...	...	...	...
1961	6.7	5.7	6.3	16.8	6.0	...	...	...	...	...	...
1962	5.5	4.6	5.4	14.7	4.9	...	...	...	...	...	...
1963	5.7	4.5	5.4	17.2	5.0	...	...	...	...	...	...
1964	5.2	3.9	5.2	16.2	4.6	...	...	...	...	...	...
1965	4.5	3.2	4.5	14.8	4.1	...	...	...	...	...	...
1966	3.8	2.5	3.8	12.8	3.4	...	...	...	...	...	...
1967	3.8	2.3	4.2	12.9	3.4	...	...	...	...	...	...
1968	3.6	2.2	3.8	12.7	3.2	...	...	...	...	...	...
1969	3.5	2.1	3.7	12.2	3.1	...	...	...	...	...	...
1970	4.9	3.5	4.8	15.3	4.5	...	...	...	...	...	...
1971	5.9	4.4	5.7	16.9	5.4	...	...	...	...	...	...
1972	5.6	4.0	5.4	16.2	5.1	10.4	...	...	...	...	...
1973	4.9	3.3	4.9	14.5	4.3	9.4	7.5	...	...	...	...
1974	5.6	3.8	5.5	16.0	5.0	10.5	8.1	...	...	...	...
1975	8.5	6.8	8.0	19.9	7.8	14.8	12.2	...	...	...	...
1976	7.7	5.9	7.4	19.0	7.0	14.0	11.5	...	...	...	...
1977	7.1	5.2	7.0	17.8	6.2	14.0	10.1	...	...	...	...
1978	6.1	4.3	6.0	16.4	5.2	12.8	9.1	...	...	...	...
1979	5.8	4.2	5.7	16.1	5.1	12.3	8.3	...	...	...	...
1980	7.1	5.9	6.4	17.8	6.3	14.3	10.1	...	...	...	...
1981	7.6	6.3	6.8	19.6	6.7	15.6	10.4	...	...	...	...
1982	9.7	8.8	8.3	23.2	8.6	18.9	13.8	...	...	...	...
1983	9.6	8.9	8.1	22.4	8.4	19.5	13.7	...	...	...	...
1984	7.5	6.6	6.8	18.9	6.5	15.9	10.7	...	...	...	...
1985	7.2	6.2	6.6	18.6	6.2	15.1	10.5	...	...	...	...
1986	7.0	6.1	6.2	18.3	6.0	14.5	10.6	...	...	...	...
1987	6.2	5.4	5.4	16.9	5.3	13.0	8.8	...	...	...	...
1988	5.5	4.8	4.9	15.3	4.7	11.7	8.2	...	...	...	...
1989	5.3	4.5	4.7	15.0	4.5	11.4	8.0	...	...	...	...
1990	5.6	5.0	4.9	15.5	4.8	11.4	8.2	...	...	...	...
1991	6.8	6.4	5.7	18.7	6.1	12.5	10.0	...	...	...	...
1992	7.5	7.1	6.3	20.1	6.6	14.2	11.6	11.5	6.8	5.6	3.2
1993	6.9	6.4	5.9	19.0	6.1	13.0	10.8	10.8	6.3	5.2	2.9
1994	6.1	5.4	5.4	17.6	5.3	11.5	9.9	9.8	5.4	4.5	2.6
1995	5.6	4.8	4.9	17.3	4.9	10.4	9.3	9.0	4.8	4.0	2.4
1996	5.4	4.6	4.8	16.7	4.7	10.5	8.9	8.7	4.7	3.7	2.2
1997	4.9	4.2	4.4	16.0	4.2	10.0	7.7	8.1	4.3	3.3	2.0
1998	4.5	3.7	4.1	14.6	3.9	8.9	7.2	7.1	4.0	3.0	1.8
1999	4.2	3.5	3.8	13.9	3.7	8.0	6.4	6.7	3.5	2.8	1.8
2000	4.0	3.3	3.6	13.1	3.5	7.6	5.7	6.3	3.4	2.7	1.7
2001	4.7	4.2	4.1	14.7	4.2	8.6	6.6	7.2	4.2	3.3	2.3
2002	5.8	5.3	5.1	16.5	5.1	10.2	7.5	8.4	5.3	4.5	2.9
2003	6.0	5.6	5.1	17.5	5.2	10.8	7.7	8.8	5.5	4.8	3.1

Note: Data for the Other races group are not presented and Hispanics are included in both the White and Black population groups. See "Notes and Definitions" for information on historical comparability.

... = Not available.

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
TOTAL											
1948	2 276	409	180	228	1 869	455	457	347	290	226	93
1949	3 637	576	238	337	3 060	680	776	603	471	384	146
1950	3 288	513	226	287	2 776	561	702	530	478	368	137
1951	2 055	336	168	168	1 718	273	435	354	318	238	103
1952	1 883	345	180	165	1 539	268	389	325	274	195	86
1953	1 834	307	150	157	1 529	256	379	325	280	218	70
1954	3 532	501	221	247	3 032	504	793	680	548	374	132
1955	2 852	450	211	239	2 403	396	577	521	436	355	120
1956	2 750	478	231	247	2 274	395	554	476	429	311	109
1957	2 859	497	230	266	2 362	430	573	499	448	300	111
1958	4 602	678	299	379	3 923	701	993	871	731	472	154
1959	3 740	654	301	354	3 085	543	726	673	603	405	135
1960	3 852	712	325	387	3 140	583	752	671	614	396	122
1961	4 714	828	363	465	3 886	723	890	850	751	516	159
1962	3 911	721	312	409	3 191	636	712	688	605	411	141
1963	4 070	884	420	462	3 187	658	732	674	589	410	126
1964	3 786	872	436	437	2 913	660	607	605	543	378	117
1965	3 366	874	411	463	2 491	557	529	546	436	322	103
1966	2 875	837	395	441	2 041	446	441	426	369	265	92
1967	2 975	839	400	438	2 140	511	480	422	383	256	86
1968	2 817	838	414	426	1 978	543	443	371	314	219	88
1969	2 832	853	436	416	1 978	560	453	358	320	216	72
1970	4 093	1 106	537	569	2 987	866	718	515	476	309	104
1971	5 016	1 262	596	665	3 755	1 130	933	630	573	381	109
1972	4 882	1 308	633	676	3 573	1 132	878	576	510	368	111
1973	4 365	1 235	634	600	3 130	1 008	866	451	430	290	88
1974	5 156	1 422	699	722	3 733	1 212	1 044	559	498	321	99
1975	7 929	1 767	799	968	6 161	1 865	1 776	951	893	520	155
1976	7 406	1 719	796	924	5 687	1 714	1 710	849	758	510	147
1977	6 991	1 663	781	881	5 330	1 629	1 650	785	666	450	147
1978	6 202	1 583	796	787	4 620	1 483	1 422	694	552	345	123
1979	6 137	1 555	739	816	4 583	1 442	1 446	705	540	346	104
1980	7 637	1 669	778	890	5 969	1 835	2 024	940	676	399	94
1981	8 273	1 763	781	981	6 510	1 976	2 211	1 065	715	444	98
1982	10 678	1 977	831	1 145	8 701	2 392	3 037	1 552	966	647	107
1983	10 717	1 829	753	1 076	8 888	2 330	3 078	1 650	1 039	677	114
1984	8 539	1 499	646	854	7 039	1 838	2 374	1 335	828	566	97
1985	8 312	1 468	662	806	6 844	1 738	2 341	1 340	813	518	93
1986	8 237	1 454	665	789	6 783	1 651	2 390	1 371	790	489	91
1987	7 425	1 347	648	700	6 077	1 453	2 129	1 281	723	412	78
1988	6 701	1 226	573	653	5 475	1 261	1 929	1 166	657	375	87
1989	6 528	1 194	537	657	5 333	1 218	1 851	1 159	637	379	91
1990	7 047	1 212	527	685	5 835	1 299	1 995	1 328	723	386	105
1991	8 628	1 359	587	772	7 269	1 573	2 447	1 719	946	473	113
1992	9 613	1 427	641	787	8 186	1 649	2 702	1 976	1 138	589	132
1993	8 940	1 365	606	759	7 575	1 514	2 395	1 896	1 121	541	108
1994	7 996	1 320	624	696	6 676	1 373	2 067	1 627	971	485	153
1995	7 404	1 346	652	695	6 058	1 244	1 841	1 549	844	425	153
1996	7 236	1 306	617	689	5 929	1 239	1 757	1 505	883	406	139
1997	6 739	1 271	589	683	5 467	1 152	1 571	1 418	830	369	127
1998	6 210	1 205	573	632	5 005	1 081	1 419	1 258	782	343	122
1999	5 880	1 162	544	618	4 718	1 042	1 278	1 154	753	367	124
2000	5 692	1 081	502	579	4 611	1 022	1 207	1 133	762	355	132
2001	6 801	1 162	531	632	5 638	1 209	1 498	1 355	989	458	129
2002	8 378	1 253	540	714	7 124	1 430	1 890	1 691	1 315	635	163
2003	8 774	1 251	545	706	7 523	1 495	1 960	1 815	1 356	713	183

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
MEN											
1948	1 559	256	113	142	1 305	324	289	233	201	177	81
1949	2 572	353	145	207	2 219	485	539	414	347	310	125
1950	2 239	318	139	179	1 922	377	467	348	327	286	117
1951	1 221	191	102	89	1 029	155	241	192	193	162	87
1952	1 185	205	116	89	980	155	233	192	182	145	73
1953	1 202	184	94	90	1 019	152	236	208	196	167	60
1954	2 344	310	142	168	2 035	327	517	431	372	275	112
1955	1 854	274	134	140	1 580	248	353	328	285	265	102
1956	1 711	269	134	135	1 442	240	348	278	270	216	90
1957	1 841	300	140	159	1 541	283	349	304	302	220	83
1958	3 098	416	185	231	2 681	478	685	552	492	349	124
1959	2 420	398	191	207	2 022	343	484	407	390	287	112
1960	2 486	426	200	225	2 060	369	492	415	392	294	96
1961	2 997	479	221	258	2 518	458	585	507	473	375	122
1962	2 423	408	188	220	2 016	381	445	404	382	300	103
1963	2 472	501	248	252	1 971	396	445	386	358	290	97
1964	2 205	487	257	230	1 718	384	345	324	319	263	85
1965	1 914	479	247	232	1 435	311	292	283	253	221	75
1966	1 551	432	220	212	1 120	221	239	219	196	179	65
1967	1 508	448	241	207	1 060	235	219	185	199	163	60
1968	1 419	426	234	193	993	258	205	171	165	132	61
1969	1 403	440	244	196	963	270	205	155	157	127	48
1970	2 238	599	306	294	1 638	479	391	253	247	198	71
1971	2 789	693	346	347	2 097	640	513	320	313	239	71
1972	2 659	711	357	355	1 948	628	466	284	272	227	73
1973	2 275	653	352	300	1 624	528	439	211	219	171	57
1974	2 714	757	394	362	1 957	649	546	266	250	183	63
1975	4 442	966	445	521	3 476	1 081	986	507	499	302	103
1976	4 036	939	443	496	3 098	951	914	431	411	296	94
1977	3 667	874	421	453	2 794	877	869	373	326	252	97
1978	3 142	813	426	388	2 328	768	691	314	277	198	81
1979	3 120	811	393	418	2 308	744	699	329	272	196	67
1980	4 267	913	429	485	3 353	1 076	1 137	482	357	243	58
1981	4 577	962	431	531	3 615	1 144	1 213	552	390	261	55
1982	6 179	1 090	469	621	5 089	1 407	1 791	879	550	393	69
1983	6 260	1 003	408	595	5 257	1 369	1 822	947	613	433	73
1984	4 744	812	348	464	3 932	1 023	1 322	728	450	356	53
1985	4 521	806	363	443	3 715	944	1 244	706	459	307	55
1986	4 530	779	355	424	3 751	899	1 291	763	440	301	58
1987	4 101	732	353	379	3 369	779	1 169	689	426	258	49
1988	3 655	667	311	356	2 987	676	1 040	617	366	240	49
1989	3 525	658	303	355	2 867	660	953	619	351	234	49
1990	3 906	667	283	384	3 239	715	1 092	711	413	249	59
1991	4 946	751	317	433	4 195	911	1 375	990	550	305	64
1992	5 523	806	357	449	4 717	951	1 529	1 118	675	378	67
1993	5 055	768	342	426	4 287	865	1 338	1 049	636	336	64
1994	4 367	740	342	398	3 627	768	1 113	855	522	281	88
1995	3 983	744	352	391	3 239	673	961	815	464	233	94
1996	3 880	733	347	387	3 146	675	903	786	484	223	76
1997	3 577	694	321	373	2 882	636	772	732	457	217	69
1998	3 266	686	330	355	2 580	583	699	609	420	201	69
1999	3 066	633	295	338	2 433	562	624	571	403	203	70
2000	2 975	599	281	317	2 376	547	602	557	398	189	83
2001	3 690	650	300	350	3 040	688	756	714	536	272	74
2002	4 597	700	301	399	3 896	792	1 023	897	725	373	87
2003	4 906	697	291	407	4 209	841	1 097	988	764	412	107

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WOMEN											
1948	717	153	67	86	564	131	168	114	89	49	12
1949	1 065	223	93	130	841	195	237	189	124	74	21
1950	1 049	195	87	108	854	184	235	182	151	82	20
1951	834	145	66	79	689	118	194	162	125	76	16
1952	698	140	64	76	559	113	156	133	92	50	13
1953	632	123	56	67	510	104	143	117	84	51	10
1954	1 188	191	79	79	997	177	276	249	176	99	20
1955	998	176	77	99	823	148	224	193	151	90	18
1956	1 039	209	97	112	832	155	206	198	159	95	19
1957	1 018	197	90	107	821	147	224	195	146	80	28
1958	1 504	262	114	148	1 242	223	308	319	239	123	30
1959	1 320	256	110	147	1 063	200	242	266	213	118	23
1960	1 366	286	125	162	1 080	214	260	256	222	102	26
1961	1 717	349	142	207	1 368	265	305	343	278	141	37
1962	1 488	313	124	189	1 175	255	267	284	223	111	38
1963	1 598	383	172	210	1 216	262	287	288	231	120	29
1964	1 581	385	179	207	1 195	276	262	281	224	115	32
1965	1 452	395	164	231	1 056	246	237	263	183	101	28
1966	1 324	405	175	229	921	225	202	207	173	86	27
1967	1 468	391	159	231	1 078	277	261	237	184	93	26
1968	1 397	412	180	233	985	285	238	200	149	87	27
1969	1 429	413	192	220	1 015	290	248	203	163	89	24
1970	1 855	506	231	275	1 349	387	327	262	229	111	33
1971	2 227	568	250	318	1 658	489	420	310	260	142	38
1972	2 222	598	276	322	1 625	503	413	293	237	141	38
1973	2 089	583	282	301	1 507	480	427	240	212	119	31
1974	2 441	665	305	360	1 777	564	497	294	248	137	36
1975	3 486	802	355	447	2 684	783	791	444	395	219	52
1976	3 369	780	352	429	2 588	763	795	417	346	214	53
1977	3 324	789	361	428	2 535	752	782	412	340	198	50
1978	3 061	769	370	399	2 292	714	731	381	275	148	43
1979	3 018	743	346	396	2 276	697	748	375	268	150	38
1980	3 370	755	349	407	2 615	760	886	459	318	155	36
1981	3 696	800	350	450	2 895	833	998	513	325	184	43
1982	4 499	886	362	524	3 613	985	1 246	673	416	254	38
1983	4 457	825	344	481	3 632	961	1 255	703	427	244	41
1984	3 794	687	298	390	3 107	815	1 052	607	378	211	45
1985	3 791	661	298	363	3 129	794	1 098	634	355	211	39
1986	3 707	675	310	365	3 032	752	1 099	609	350	189	33
1987	3 324	616	295	321	2 709	674	960	592	298	155	30
1988	3 046	558	262	297	2 487	585	889	550	291	136	38
1989	3 003	536	234	302	2 467	558	897	540	286	144	41
1990	3 140	544	243	301	2 596	584	902	617	310	137	46
1991	3 683	608	270	338	3 074	662	1 071	728	396	168	49
1992	4 090	621	283	338	3 469	698	1 173	858	463	210	66
1993	3 885	597	264	333	3 288	648	1 058	847	485	205	45
1994	3 629	580	282	298	3 049	605	954	772	449	204	66
1995	3 421	602	299	303	2 819	571	880	735	381	193	60
1996	3 356	573	270	303	2 783	564	854	720	399	183	63
1997	3 162	577	268	310	2 585	516	800	686	373	152	58
1998	2 944	519	242	277	2 424	498	720	650	362	141	53
1999	2 814	529	249	280	2 285	480	654	584	350	163	54
2000	2 717	483	221	262	2 235	475	604	577	364	165	50
2001	3 111	512	230	282	2 599	521	742	641	453	187	55
2002	3 781	553	238	315	3 228	638	866	795	591	263	76
2003	3 868	554	255	299	3 314	654	863	827	592	302	76

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE¹											
1954	2 859	423	191	232	2 436	394	610	540	447	329	115
1955	2 252	373	181	191	1 879	304	412	402	358	300	105
1956	2 159	382	191	191	1 777	297	406	363	355	258	98
1957	2 289	401	195	204	1 888	331	425	401	373	262	98
1958	3 680	541	245	297	3 139	541	756	686	614	405	136
1959	2 946	525	255	270	2 421	406	526	525	496	348	120
1960	3 065	575	273	302	2 490	456	573	520	502	330	109
1961	3 743	669	295	374	3 074	566	668	652	611	438	139
1962	2 289	580	262	318	2 472	488	515	522	485	345	117
1963	3 208	708	350	358	2 500	501	540	518	485	349	107
1964	2 999	708	365	342	2 291	508	441	472	447	323	100
1965	2 691	705	329	374	1 986	437	399	427	358	276	91
1966	2 255	651	315	336	1 604	338	323	336	298	227	80
1967	2 338	635	311	325	1 703	393	360	336	321	221	75
1968	2 226	644	326	318	1 582	422	330	297	269	187	80
1969	2 260	660	351	309	1 601	432	354	294	269	185	66
1970	3 339	871	438	432	2 468	679	570	433	415	275	95
1971	4 085	1 011	491	521	3 074	887	732	517	500	338	100
1972	3 906	1 021	515	506	2 885	887	679	459	439	324	95
1973	3 442	955	513	443	2 486	758	664	358	371	257	77
1974	4 097	1 104	561	544	2 993	925	821	448	427	283	88
1975	6 421	1 413	657	755	5 007	1 474	1 413	774	753	460	136
1976	5 914	1 364	649	715	4 550	1 326	1 329	682	637	448	128
1977	5 441	1 284	636	648	4 157	1 195	1 255	621	569	388	129
1978	4 698	1 189	631	558	3 509	1 059	1 059	543	453	290	104
1979	4 664	1 193	589	603	3 472	1 038	1 068	545	443	290	87
1980	5 884	1 291	625	666	4 593	1 364	1 528	740	550	335	74
1981	6 343	1 374	629	745	4 968	1 449	1 658	827	578	379	77
1982	8 241	1 534	683	851	6 707	1 770	2 283	1 223	796	549	86
1983	8 128	1 387	609	778	6 741	1 678	2 282	1 294	837	563	88
1984	6 372	1 116	510	605	5 256	1 282	1 723	1 036	660	475	81
1985	6 191	1 074	507	567	5 117	1 235	1 695	1 039	642	432	75
1986	6 140	1 070	509	561	5 070	1 149	1 751	1 056	629	407	78
1987	5 501	995	495	500	4 506	1 017	1 527	984	576	333	68
1988	4 944	910	437	473	4 033	874	1 371	890	520	309	69
1989	4 770	863	407	456	3 908	856	1 297	871	503	311	70
1990	5 186	903	401	502	4 283	899	1 401	983	582	330	88
1991	6 560	1 029	461	568	5 532	1 132	1 805	1 330	759	410	96
1992	7 169	1 037	484	553	6 132	1 156	1 967	1 483	915	495	116
1993	6 655	992	468	523	5 663	1 057	1 754	1 411	907	442	92
1994	5 892	960	471	489	4 933	952	1 479	1 184	779	407	132
1995	5 459	952	476	476	4 507	866	1 311	1 161	676	362	131
1996	5 300	939	456	484	4 361	854	1 223	1 117	709	336	122
1997	4 836	912	438	475	3 924	765	1 068	1 035	648	302	106
1998	4 484	876	424	451	3 608	731	978	901	620	276	101
1999	4 273	844	414	430	3 429	720	865	843	595	303	104
2000	4 121	795	386	409	3 326	682	835	817	591	294	107
2001	4 969	845	402	443	4 124	829	1 062	985	761	378	109
2002	6 137	925	407	518	5 212	977	1 340	1 237	1 004	518	137
2003	6 311	909	414	495	5 401	1 012	1 354	1 287	1 025	569	155

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK¹											
1972	906	279	113	167	627	226	183	106	62	37	12
1973	846	262	114	148	584	231	181	82	53	29	9
1974	965	297	127	170	666	261	201	95	65	33	10
1975	1 369	330	130	200	1 040	362	321	157	126	54	17
1976	1 334	330	134	195	1 005	350	338	145	101	54	16
1977	1 393	354	135	218	1 040	397	355	140	81	51	16
1978	1 330	360	150	210	972	379	320	127	82	47	17
1979	1 319	333	137	197	986	369	335	137	82	48	15
1980	1 553	343	134	210	1 209	426	433	171	109	53	18
1981	1 731	357	138	219	1 374	483	493	207	119	55	17
1982	2 142	396	130	266	1 747	565	662	278	141	84	17
1983	2 272	392	125	267	1 879	591	700	299	174	95	21
1984	1 914	353	122	230	1 561	504	577	253	138	75	15
1985	1 864	357	135	221	1 507	455	562	254	143	74	18
1986	1 840	347	138	209	1 493	453	564	269	127	69	10
1987	1 684	312	134	178	1 373	397	533	247	124	62	10
1988	1 547	288	121	167	1 259	349	502	230	111	51	15
1989	1 544	300	116	184	1 245	322	494	246	109	53	20
1990	1 565	268	112	156	1 297	349	505	278	106	44	14
1991	1 723	280	105	175	1 443	378	539	318	151	44	13
1992	2 011	324	127	197	1 687	421	610	402	178	64	13
1993	1 844	313	112	201	1 530	387	532	376	153	72	11
1994	1 666	300	127	173	1 366	351	468	346	130	55	16
1995	1 538	325	143	182	1 213	311	423	303	116	42	18
1996	1 592	310	133	177	1 282	327	454	313	127	48	13
1997	1 560	302	123	179	1 258	327	426	307	136	45	16
1998	1 426	281	124	156	1 146	301	366	294	125	45	16
1999	1 309	268	109	159	1 041	273	339	249	121	46	14
2000	1 241	230	96	134	1 011	281	289	254	131	38	20
2001	1 416	260	102	158	1 155	307	340	283	159	52	15
2002	1 693	260	103	156	1 433	365	407	349	215	76	21
2003	1 787	255	93	162	1 532	375	442	385	217	93	20
HISPANIC											
1973	277	80	...	...	...	...	...	...	...	...	...
1974	325	88	...	...	...	...	...	...	...	...	...
1975	508	123	...	...	...	...	...	...	...	...	...
1976	485	106	51	55	385	116	113	72	53	26	6
1977	456	113	50	60	344	98	114	56	48	24	5
1978	452	110	63	47	342	98	116	65	41	16	5
1979	434	106	54	51	329	100	102	65	37	20	4
1980	620	145	66	79	474	138	168	90	49	24	5
1981	678	144	60	84	533	171	178	92	57	31	5
1982	929	175	73	102	754	221	267	140	75	45	6
1983	961	167	64	104	793	214	270	156	93	54	5
1984	800	149	60	88	651	164	235	124	71	51	5
1985	811	141	55	85	670	171	256	123	73	41	7
1986	857	141	57	84	716	183	258	143	85	38	9
1987	751	136	57	79	615	152	222	128	75	33	5
1988	732	148	63	84	585	145	209	120	69	36	6
1989	750	132	59	73	618	158	218	124	76	36	6
1990	876	161	68	94	714	167	263	156	85	36	7
1991	1 092	179	79	99	913	214	332	206	110	44	8
1992	1 311	219	94	124	1 093	240	390	267	126	59	10
1993	1 248	201	86	115	1 047	237	354	261	132	54	10
1994	1 187	198	90	108	989	220	348	227	132	51	12
1995	1 140	205	96	109	934	209	325	224	106	54	16
1996	1 132	199	85	114	933	217	296	246	101	59	14
1997	1 069	197	87	110	872	206	269	229	99	56	13
1998	1 026	214	89	125	812	194	260	203	96	48	11
1999	945	196	79	117	750	171	233	190	104	42	10
2000	954	194	83	112	759	190	247	189	79	42	12
2001	1 138	208	84	123	931	212	315	228	111	56	9
2002	1 353	221	81	140	1 132	265	373	271	146	62	15
2003	1 441	192	79	113	1 249	273	419	294	183	69	10

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.
 ... = Not available.

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE MEN¹											
1954	1 913	266	125	142	1 647	260	408	341	299	241	98
1955	1 478	232	114	117	1 246	196	260	246	233	223	89
1956	1 366	221	112	108	1 145	186	265	212	225	177	81
1957	1 477	243	118	124	1 234	222	257	239	250	193	73
1958	2 489	333	149	184	2 156	382	525	436	404	299	110
1959	1 903	318	162	156	1 585	256	350	316	320	245	98
1960	1 988	341	167	174	1 647	295	376	330	317	243	86
1961	2 398	384	176	208	2 014	370	442	395	382	318	107
1962	1 915	334	158	176	1 581	300	332	311	308	246	84
1963	1 976	407	211	196	1 569	309	342	297	294	246	80
1964	1 779	400	217	183	1 379	310	262	255	266	216	70
1965	1 556	387	200	186	1 169	254	226	228	206	190	67
1966	1 241	340	178	162	901	172	185	173	160	154	57
1967	1 208	342	186	156	866	185	171	153	167	140	52
1968	1 142	328	185	143	814	206	162	140	142	111	55
1969	1 137	343	198	145	794	214	165	130	134	108	43
1970	1 857	485	255	230	1 372	388	316	212	216	177	64
1971	2 309	562	288	275	1 747	513	418	268	272	211	66
1972	2 173	564	288	276	1 610	506	375	231	237	199	60
1973	1 836	513	284	229	1 323	411	353	166	188	153	51
1974	2 169	584	311	274	1 585	505	434	218	213	161	53
1975	3 627	785	369	416	2 841	871	796	412	411	265	86
1976	3 258	754	368	385	2 504	750	730	346	341	259	78
1977	2 883	672	342	330	2 211	660	682	297	276	213	82
1978	2 411	615	338	277	1 797	558	525	250	227	169	68
1979	2 405	633	319	313	1 773	553	526	253	220	165	56
1980	3 345	716	347	369	2 629	827	884	378	291	206	44
1981	3 580	755	349	406	2 825	869	943	433	317	221	42
1982	4 846	854	387	467	3 991	1 066	1 385	696	460	331	53
1983	4 859	761	328	433	4 098	1 019	1 410	755	497	362	54
1984	3 600	608	280	328	2 992	722	991	572	363	302	42
1985	3 426	592	282	310	2 834	694	931	553	356	257	43
1986	3 433	576	276	299	2 857	645	978	586	349	248	51
1987	3 132	548	272	276	2 584	568	879	536	350	209	43
1988	2 766	499	239	260	2 268	480	777	477	293	200	40
1989	2 636	487	230	257	2 149	476	694	470	280	191	38
1990	2 935	504	214	290	2 431	510	796	530	330	214	51
1991	3 859	575	249	327	3 284	677	1 064	780	438	269	55
1992	4 209	590	270	319	3 620	686	1 155	858	543	318	58
1993	3 828	565	261	305	3 263	619	1 015	793	512	270	53
1994	3 275	540	259	280	2 735	555	827	626	417	236	74
1995	2 999	535	260	275	2 465	483	711	621	371	200	79
1996	2 896	532	260	273	2 363	478	655	592	383	188	67
1997	2 641	502	234	268	2 140	439	553	549	358	182	58
1998	2 431	510	254	257	1 920	405	512	441	342	164	58
1999	2 274	461	223	237	1 813	398	441	419	322	172	61
2000	2 177	446	217	229	1 731	368	428	403	302	162	68
2001	2 754	479	232	247	2 275	494	547	529	413	229	64
2002	3 459	516	228	288	2 943	562	772	672	554	305	77
2003	3 643	518	221	298	3 125	589	798	723	591	333	91

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE WOMEN¹											
1954	946	157	66	90	789	134	202	199	148	88	17
1955	774	141	67	74	633	108	152	156	125	77	16
1956	793	161	79	83	632	111	141	151	130	81	17
1957	812	158	77	80	654	109	168	162	123	69	25
1958	1 191	208	96	113	983	159	231	250	210	106	26
1959	1 043	207	93	114	836	150	176	209	176	103	22
1960	1 077	234	106	128	843	161	197	190	185	87	23
1961	1 345	285	119	166	1 060	196	226	257	229	120	32
1962	1 137	246	104	142	891	188	183	211	177	99	33
1963	1 232	301	139	162	931	192	198	221	191	103	27
1964	1 220	308	148	159	912	198	179	217	181	107	30
1965	1 135	318	129	188	817	183	173	199	152	86	24
1966	1 014	311	137	174	703	166	138	163	138	73	23
1967	1 130	293	125	169	837	209	189	183	154	81	23
1968	1 084	316	141	175	768	216	168	157	127	76	25
1969	1 123	317	153	164	806	218	189	164	135	77	23
1970	1 482	386	183	202	1 096	291	254	221	199	98	31
1971	1 777	449	203	246	1 328	376	314	249	228	126	34
1972	1 733	457	227	230	1 275	381	304	227	202	125	35
1973	1 606	442	228	214	1 164	347	311	192	183	104	26
1974	1 927	519	250	270	1 408	420	387	230	214	122	35
1975	2 794	628	288	340	2 166	602	617	362	342	195	49
1976	2 656	611	280	330	2 045	577	598	336	296	188	49
1977	2 558	612	294	318	1 946	536	573	323	293	175	47
1978	2 287	574	292	281	1 713	500	533	294	226	122	37
1979	2 260	560	270	290	1 699	485	542	293	223	125	32
1980	2 540	576	278	298	1 964	537	645	362	259	129	31
1981	2 762	620	281	339	2 143	580	715	394	261	158	36
1982	3 395	680	296	384	2 715	704	898	527	337	217	33
1983	3 270	626	282	345	2 643	659	872	539	340	201	33
1984	2 772	508	231	277	2 264	559	731	464	297	173	39
1985	2 765	482	225	257	2 283	541	763	486	286	175	32
1986	2 708	495	233	262	2 213	504	773	470	281	159	27
1987	2 369	447	223	224	1 922	449	648	448	227	124	25
1988	2 177	412	198	214	1 766	393	594	413	227	110	30
1989	2 135	376	177	199	1 758	380	603	401	223	120	32
1990	2 251	399	187	212	1 852	389	605	453	251	116	37
1991	2 701	453	212	241	2 248	455	741	550	320	141	41
1992	2 959	447	214	233	2 512	469	811	625	372	177	58
1993	2 827	426	208	219	2 400	438	739	618	395	172	39
1994	2 617	420	211	208	2 197	397	652	558	361	170	58
1995	2 460	418	216	201	2 042	384	600	540	306	162	52
1996	2 404	407	196	211	1 998	376	568	525	326	148	55
1997	2 195	411	204	207	1 784	326	515	486	290	119	49
1998	2 053	365	171	195	1 688	327	467	460	279	112	43
1999	1 999	383	190	193	1 616	322	423	423	273	131	43
2000	1 944	349	168	180	1 595	314	407	414	289	133	39
2001	2 215	366	170	196	1 849	335	515	456	348	150	45
2002	2 678	409	179	230	2 269	415	567	565	449	213	60
2003	2 668	391	194	197	2 276	423	555	564	434	235	64

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK MEN¹											
1972	448	143	66	77	305	113	84	45	31	23	9
1973	395	128	62	66	267	108	75	37	27	16	5
1974	494	159	75	82	336	129	103	41	35	19	8
1975	741	170	71	100	571	195	169	83	78	33	13
1976	698	170	69	103	528	185	166	73	60	32	13
1977	698	187	73	114	512	197	170	63	40	31	12
1978	641	180	80	101	462	185	148	53	40	24	11
1979	636	164	68	97	473	174	152	66	44	27	10
1980	815	179	72	108	636	222	222	88	60	32	12
1981	891	188	73	115	703	248	245	102	65	32	10
1982	1 167	213	72	141	954	304	355	154	74	54	12
1983	1 213	211	70	142	1 002	313	358	162	96	59	14
1984	1 003	188	62	126	815	272	289	132	67	45	9
1985	951	193	69	124	757	224	268	127	85	43	11
1986	946	180	68	112	765	225	273	148	70	44	5
1987	826	160	70	90	666	186	253	122	61	39	6
1988	771	154	64	90	617	177	233	111	58	30	8
1989	773	153	65	88	619	162	226	129	59	33	10
1990	806	142	62	80	664	177	247	146	62	27	6
1991	890	145	54	91	745	201	252	172	87	25	7
1992	1 067	180	71	109	886	221	301	208	107	42	6
1993	971	170	66	104	801	201	260	201	87	46	7
1994	848	167	69	97	682	173	218	180	72	29	10
1995	762	168	73	95	593	153	195	150	63	21	11
1996	808	169	73	96	639	163	210	158	75	26	7
1997	747	162	70	92	585	165	178	141	72	22	7
1998	671	147	61	86	524	151	148	133	60	24	8
1999	626	145	60	85	480	135	143	114	60	22	7
2000	620	121	52	70	499	145	134	121	72	17	9
2001	709	136	51	85	573	150	159	142	84	31	7
2002	835	140	54	85	695	181	180	165	120	40	9
2003	891	132	49	83	760	192	212	189	109	47	10
BLACK WOMEN¹											
1972	458	136	47	90	322	113	99	61	31	14	3
1973	451	134	51	82	317	123	105	45	26	13	4
1974	470	139	51	87	331	132	98	55	30	14	2
1975	629	160	60	100	469	167	153	75	48	22	4
1976	637	160	66	93	477	165	172	73	41	23	3
1977	695	167	63	104	528	200	185	77	41	21	4
1978	690	179	70	110	510	194	173	74	41	23	6
1979	683	169	69	100	513	195	183	71	38	21	5
1980	738	164	62	102	574	204	211	83	49	21	6
1981	840	169	65	104	671	235	248	105	54	23	7
1982	975	182	58	124	793	261	307	123	67	29	5
1983	1 059	181	56	125	878	278	342	137	77	36	7
1984	911	165	60	104	747	231	288	121	71	30	5
1985	913	164	66	98	750	231	295	127	58	31	7
1986	894	167	70	97	728	228	291	121	57	25	5
1987	858	152	64	88	706	211	280	125	63	23	4
1988	776	134	57	78	642	172	269	118	53	22	7
1989	772	147	51	96	625	160	267	118	50	21	9
1990	758	126	49	76	633	172	258	132	44	17	8
1991	833	135	51	84	698	177	288	145	64	19	6
1992	944	144	56	88	800	200	308	194	71	22	6
1993	872	143	46	97	729	186	272	175	66	26	5
1994	818	133	57	76	685	178	249	166	59	26	6
1995	777	157	...	87	620	158	228	153	53	20	...
1996	784	141	60	80	643	164	244	155	52	21	7
1997	813	140	53	87	673	163	248	166	64	24	9
1998	756	134	63	71	622	150	218	160	65	21	8
1999	684	123	49	74	561	138	196	135	61	25	7
2000	621	109	44	65	512	136	154	132	59	22	10
2001	706	124	52	72	582	157	181	141	75	21	8
2002	858	120	49	71	738	183	228	185	95	35	12
2003	895	123	44	79	772	183	230	195	109	46	10

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

Table 1-28. Unemployed Persons by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Thousands of people.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
HISPANIC MEN											
1973	158	...	...	...	114	...	...	...	...	...	...
1974	187	...	...	...	139	...	...	...	...	...	...
1975	296	...	...	...	225	...	...	...	...	...	...
1976	278	60	30	31	217	69	63	38	29	16	...
1977	253	60	27	33	195	57	65	28	22	15	...
1978	234	59	35	24	175	51	59	30	20	10	...
1979	223	55	29	27	168	52	50	33	19	11	...
1980	370	86	39	47	284	85	96	51	31	16	...
1981	408	87	40	47	321	105	113	49	31	19	...
1982	565	104	45	59	461	138	169	80	40	29	...
1983	591	100	38	62	491	134	168	92	57	36	...
1984	480	87	36	51	393	103	142	69	41	33	...
1985	483	82	34	49	401	108	156	69	40	23	...
1986	520	82	33	50	438	115	159	86	46	26	...
1987	451	77	32	45	374	88	137	77	46	22	...
1988	437	86	36	50	351	83	128	70	42	24	...
1989	423	81	36	45	342	88	113	69	43	25	...
1990	524	100	40	60	425	99	154	91	53	25	...
1991	685	110	47	62	575	139	210	126	62	33	...
1992	807	132	56	75	675	156	239	156	75	42	...
1993	747	118	50	68	629	144	217	148	79	33	...
1994	680	121	54	67	558	128	203	113	75	30	9
1995	651	121	59	63	530	123	185	120	57	33	13
1996	607	112	49	63	495	117	165	124	49	31	9
1997	582	110	47	63	471	125	137	113	54	35	8
1998	552	117	54	62	436	115	142	97	49	29	5
1999	480	106	42	63	374	96	109	83	54	24	7
2000	494	106	46	60	388	105	118	93	42	23	8
2001	611	117	52	65	495	129	152	116	55	36	6
2002	764	127	42	86	636	151	213	144	82	38	8
2003	809	116	42	74	693	157	239	153	98	41	5
HISPANIC WOMEN											
1973	119	...	...	...	83	...	...	...	...	...	...
1974	137	...	...	...	98	...	...	...	...	...	...
1975	212	...	...	...	160	...	...	...	...	...	...
1976	207	45	22	24	166	47	52	33	22	10	...
1977	204	50	23	27	153	40	49	28	25	11	...
1978	219	51	28	23	168	46	58	36	20	8	...
1979	211	50	26	24	160	48	52	32	18	10	...
1980	249	59	28	31	190	53	72	39	18	8	...
1981	269	57	20	37	212	65	65	43	25	13	...
1982	364	71	28	43	293	83	98	60	35	16	...
1983	369	68	26	42	302	80	102	65	36	18	...
1984	320	62	25	37	258	61	93	55	30	17	...
1985	327	58	22	37	269	63	100	54	32	18	...
1986	337	59	25	35	278	68	99	57	39	12	...
1987	300	59	25	34	241	64	85	51	29	11	...
1988	296	62	27	34	234	63	81	50	27	12	...
1989	327	51	23	28	276	70	105	55	33	11	...
1990	351	62	28	34	289	68	109	65	32	11	...
1991	407	69	32	37	339	74	122	80	48	12	...
1992	504	87	38	49	418	84	151	111	51	17	...
1993	501	83	36	47	418	93	136	113	53	21	...
1994	508	77	36	40	431	92	145	115	57	21	2
1995	488	84	38	46	404	86	140	104	50	21	3
1996	525	88	36	52	438	100	131	122	52	27	5
1997	488	87	40	46	401	81	132	117	46	21	4
1998	473	98	35	63	376	80	118	106	48	19	5
1999	466	90	36	54	376	75	124	107	50	17	3
2000	460	88	37	51	371	86	129	96	38	19	4
2001	527	91	33	58	436	83	163	112	56	20	3
2002	590	94	39	54	496	113	160	127	65	24	7
2003	631	76	37	39	555	116	180	141	86	28	5

... = Not available.

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over							
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	
TOTAL												
1948	3.8	9.2	10.1	8.6	3.3	6.2	3.2	2.6	2.7	3.1	3.2	
1949	5.9	13.4	14.0	13.0	5.4	9.3	5.4	4.4	4.2	5.2	4.9	
1950	5.3	12.2	13.6	11.2	4.8	7.7	4.8	3.8	4.2	4.8	4.5	
1951	3.3	8.2	9.6	7.1	3.0	4.1	3.0	2.5	2.7	3.1	3.4	
1952	3.0	8.5	10.0	7.3	2.7	4.6	2.6	2.3	2.3	2.4	2.9	
1953	2.9	7.6	8.7	6.8	2.6	4.7	2.5	2.2	2.3	2.7	2.2	
1954	5.5	12.6	13.5	10.7	5.1	9.2	5.3	4.5	4.4	4.5	4.1	
1955	4.4	11.0	12.3	10.0	3.9	7.0	3.8	3.4	3.4	4.2	3.6	
1956	4.1	11.1	12.3	10.2	3.7	6.6	3.7	3.0	3.2	3.5	3.2	
1957	4.3	11.6	12.5	10.9	3.8	7.1	3.9	3.1	3.3	3.4	3.4	
1958	6.8	15.9	16.4	15.5	6.2	11.2	6.8	5.4	5.2	5.2	4.8	
1959	5.5	14.6	15.3	14.0	4.8	8.5	5.0	4.2	4.2	4.4	4.3	
1960	5.5	14.7	15.5	14.1	4.8	8.7	5.2	4.1	4.1	4.2	3.8	
1961	6.7	16.8	18.3	15.8	5.9	10.4	6.2	5.2	5.0	5.4	5.1	
1962	5.5	14.7	16.3	13.6	4.9	9.0	5.1	4.1	4.0	4.2	4.5	
1963	5.7	17.2	19.3	15.6	4.8	8.8	5.2	4.0	3.8	4.1	4.1	
1964	5.2	16.2	17.8	14.9	4.3	8.3	4.3	3.6	3.5	3.7	3.8	
1965	4.5	14.8	16.5	13.5	3.6	6.7	3.7	3.2	2.8	3.1	3.3	
1966	3.8	12.8	14.8	11.3	2.9	5.3	3.1	2.5	2.3	2.5	3.0	
1967	3.8	12.9	14.6	11.6	3.0	5.7	3.2	2.5	2.4	2.4	2.8	
1968	3.6	12.7	14.7	11.2	2.7	5.8	2.8	2.2	1.9	2.0	2.8	
1969	3.5	12.2	14.5	10.5	2.7	5.7	2.8	2.2	1.9	1.9	2.2	
1970	4.9	15.3	17.1	13.8	4.0	8.2	4.2	3.1	2.8	2.7	3.2	
1971	5.9	16.9	18.7	15.5	4.9	10.0	5.3	3.9	3.4	3.3	3.5	
1972	5.6	16.2	18.5	14.6	4.5	9.3	4.6	3.5	3.0	3.2	3.6	
1973	4.9	14.5	17.3	12.4	3.9	7.8	4.2	2.7	2.5	2.6	3.0	
1974	5.6	16.0	18.3	14.3	4.5	9.1	4.8	3.3	2.9	2.8	3.4	
1975	8.5	19.9	21.4	18.9	7.3	13.6	7.8	5.6	5.2	4.6	5.2	
1976	7.7	19.0	21.1	17.5	6.5	12.0	7.1	4.9	4.5	4.5	5.1	
1977	7.1	17.8	19.9	16.2	5.9	11.0	6.5	4.4	3.9	3.9	5.0	
1978	6.1	16.4	19.3	14.2	5.0	9.6	5.3	3.7	3.3	2.9	4.0	
1979	5.8	16.1	18.1	14.7	4.8	9.1	5.2	3.6	3.2	2.9	3.4	
1980	7.1	17.8	20.0	16.2	6.1	11.5	6.9	4.6	4.0	3.3	3.1	
1981	7.6	19.6	21.4	18.4	6.5	12.3	7.3	5.0	4.2	3.7	3.2	
1982	9.7	23.2	24.9	22.1	8.6	14.9	9.7	6.9	5.7	5.4	3.5	
1983	9.6	22.4	24.5	21.1	8.6	14.5	9.7	7.0	6.2	5.6	3.7	
1984	7.5	18.9	21.2	17.4	6.7	11.5	7.3	5.4	4.9	4.7	3.3	
1985	7.2	18.6	21.0	17.0	6.4	11.1	7.0	5.1	4.7	4.3	3.2	
1986	7.0	18.3	20.2	17.0	6.2	10.7	6.9	5.0	4.5	4.1	3.0	
1987	6.2	16.9	19.1	15.2	5.4	9.7	6.0	4.5	4.0	3.5	2.5	
1988	5.5	15.3	17.4	13.8	4.8	8.7	5.4	4.0	3.4	3.2	2.7	
1989	5.3	15.0	17.2	13.6	4.6	8.6	5.2	3.8	3.2	3.2	2.6	
1990	5.6	15.5	17.9	14.1	4.9	8.8	5.6	4.1	3.6	3.3	3.0	
1991	6.8	18.7	21.0	17.2	6.1	10.8	6.9	5.2	4.5	4.1	3.3	
1992	7.5	20.1	23.1	18.2	6.8	11.4	7.6	5.8	5.1	5.1	3.8	
1993	6.9	19.0	21.4	17.5	6.2	10.5	6.9	5.5	4.8	4.7	3.2	
1994	6.1	17.6	19.9	16.0	5.4	9.7	6.0	4.6	4.0	4.1	4.0	
1995	5.6	17.3	20.2	15.3	4.9	9.1	5.4	4.3	3.3	3.6	4.0	
1996	5.4	16.7	18.9	15.2	4.7	9.3	5.2	4.1	3.3	3.3	3.6	
1997	4.9	16.0	18.2	14.5	4.3	8.5	4.7	3.8	3.0	2.9	3.3	
1998	4.5	14.6	17.2	12.8	3.9	7.9	4.3	3.4	2.8	2.6	3.2	
1999	4.2	13.9	16.3	12.4	3.6	7.5	4.0	3.0	2.6	2.7	3.1	
2000	4.0	13.1	15.4	11.6	3.4	7.2	3.7	3.0	2.5	2.5	3.1	
2001	4.7	14.7	17.2	13.1	4.2	8.3	4.6	3.6	3.1	3.0	2.9	
2002	5.8	16.5	18.8	15.1	5.2	9.7	5.9	4.6	4.0	3.9	3.6	
2003	6.0	17.5	19.1	16.4	5.4	10.0	6.1	4.9	4.1	4.1	3.8	

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over							
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	
MEN												
1948	3.6	9.8	10.2	9.5	3.2	6.9	2.8	2.4	2.5	3.1	3.4	
1949	5.9	14.3	13.7	14.6	5.4	10.4	5.2	4.3	4.3	5.4	5.1	
1950	5.1	12.7	13.3	12.3	4.7	8.1	4.4	3.6	4.0	4.9	4.8	
1951	2.8	8.1	9.4	7.0	2.5	3.9	2.3	2.0	2.4	2.8	3.5	
1952	2.8	8.9	10.5	7.4	2.4	4.6	2.2	1.9	2.2	2.4	3.0	
1953	2.8	7.9	8.8	7.2	2.5	5.0	2.2	2.0	2.3	2.8	2.4	
1954	5.3	13.5	13.9	13.2	4.9	10.7	4.8	4.1	4.3	4.5	4.4	
1955	4.2	11.6	12.5	10.8	3.8	7.7	3.3	3.1	3.2	4.3	4.0	
1956	3.8	11.1	11.7	10.5	3.4	6.9	3.3	2.6	3.0	3.5	3.5	
1957	4.1	12.4	12.4	12.3	3.6	7.8	3.3	2.8	3.3	3.5	3.4	
1958	6.8	17.1	16.3	17.8	6.2	12.7	6.5	5.1	5.3	5.5	5.2	
1959	5.2	15.3	15.8	14.9	4.7	8.7	4.7	3.7	4.1	4.5	4.8	
1960	5.4	15.3	15.5	15.0	4.7	8.9	4.8	3.8	4.1	4.6	4.2	
1961	6.4	17.1	18.3	16.3	5.7	10.8	5.7	4.6	4.9	5.7	5.5	
1962	5.2	14.7	16.0	13.8	4.6	8.9	4.5	3.6	3.9	4.6	4.6	
1963	5.2	17.2	18.8	15.9	4.5	8.8	4.5	3.5	3.6	4.3	4.5	
1964	4.6	15.8	17.1	14.6	3.9	8.1	3.5	2.9	3.2	3.9	4.0	
1965	4.0	14.1	16.1	12.4	3.2	6.4	2.9	2.5	2.5	3.3	3.5	
1966	3.2	11.7	13.7	10.2	2.5	4.6	2.4	2.0	1.9	2.6	3.1	
1967	3.1	12.3	14.5	10.5	2.3	4.7	2.1	1.7	2.0	2.3	2.8	
1968	2.9	11.6	13.9	9.7	2.2	5.1	1.9	1.6	1.6	1.9	2.8	
1969	2.8	11.4	13.8	9.3	2.1	5.1	1.9	1.5	1.5	1.8	2.2	
1970	4.4	15.0	16.9	13.4	3.5	8.4	3.5	2.4	2.4	2.8	3.3	
1971	5.3	16.6	18.7	15.0	4.4	10.3	4.4	3.1	3.0	3.3	3.4	
1972	5.0	15.9	18.3	14.1	4.0	9.3	3.8	2.7	2.6	3.2	3.6	
1973	4.2	13.9	17.0	11.4	3.3	7.3	3.4	2.0	2.1	2.4	3.0	
1974	4.9	15.6	18.4	13.3	3.8	8.8	4.0	2.6	2.4	2.6	3.3	
1975	7.9	20.1	21.6	19.0	6.8	14.3	6.9	4.9	4.8	4.3	5.4	
1976	7.1	19.2	21.4	17.6	5.9	12.1	6.2	4.1	4.0	4.2	5.1	
1977	6.3	17.3	19.5	15.6	5.2	10.8	5.7	3.5	3.2	3.6	5.2	
1978	5.3	15.8	19.1	13.3	4.3	9.2	4.4	2.8	2.7	2.8	4.2	
1979	5.1	15.9	17.9	14.3	4.2	8.7	4.3	2.9	2.7	2.7	3.4	
1980	6.9	18.3	20.4	16.7	5.9	12.5	6.7	4.1	3.6	3.4	3.1	
1981	7.4	20.1	22.0	18.8	6.3	13.2	6.9	4.5	4.0	3.6	2.9	
1982	9.9	24.4	26.4	23.1	8.8	16.4	10.1	6.9	5.6	5.5	3.7	
1983	9.9	23.3	25.2	22.2	8.9	15.9	10.1	7.1	6.3	6.1	3.9	
1984	7.4	19.6	21.9	18.3	6.6	11.9	7.2	5.2	4.6	5.0	3.0	
1985	7.0	19.5	21.9	17.9	6.2	11.4	6.6	4.9	4.6	4.3	3.1	
1986	6.9	19.0	20.8	17.7	6.1	11.0	6.7	5.1	4.4	4.3	3.2	
1987	6.2	17.8	20.2	16.0	5.4	9.9	5.9	4.4	4.2	3.7	2.6	
1988	5.5	16.0	18.2	14.6	4.8	8.9	5.3	3.8	3.5	3.5	2.5	
1989	5.2	15.9	18.6	14.2	4.5	8.8	4.8	3.7	3.2	3.5	2.4	
1990	5.7	16.3	18.4	15.0	5.0	9.1	5.5	4.1	3.7	3.8	3.0	
1991	7.2	19.8	21.8	18.5	6.4	11.6	7.0	5.5	4.8	4.6	3.3	
1992	7.9	21.5	24.6	19.5	7.1	12.2	7.8	6.1	5.6	5.8	3.3	
1993	7.2	20.4	22.9	18.8	6.4	11.3	7.0	5.6	5.1	5.2	3.2	
1994	6.2	19.0	21.0	17.6	5.4	10.2	5.9	4.5	4.0	4.4	4.0	
1995	5.6	18.4	21.1	16.5	4.8	9.2	5.1	4.2	3.5	3.6	4.3	
1996	5.4	18.1	20.8	16.3	4.6	9.5	4.9	4.0	3.5	3.3	3.4	
1997	4.9	16.9	19.1	15.4	4.2	8.9	4.3	3.6	3.1	3.1	3.0	
1998	4.4	16.2	19.1	14.1	3.7	8.1	3.9	3.0	2.8	2.8	3.1	
1999	4.1	14.7	17.0	13.1	3.5	7.7	3.6	2.8	2.6	2.7	3.0	
2000	3.9	14.0	16.8	12.2	3.3	7.3	3.4	2.8	2.4	2.4	3.3	
2001	4.8	16.0	19.1	14.0	4.2	9.0	4.3	3.6	3.2	3.3	3.0	
2002	5.9	18.1	21.1	16.4	5.3	10.2	5.8	4.5	4.2	4.3	3.4	
2003	6.3	19.3	20.7	18.4	5.6	10.6	6.2	5.0	4.4	4.5	4.0	

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WOMEN											
1948	4.1	8.3	10.0	7.4	3.6	4.8	4.3	3.0	3.0	3.1	2.3
1949	6.0	12.3	14.4	11.2	5.3	7.3	5.9	4.7	4.0	4.4	3.8
1950	5.7	11.4	14.2	9.8	5.1	6.9	5.7	4.4	4.5	4.5	3.4
1951	4.4	8.3	10.0	7.2	4.0	4.4	4.5	3.8	3.5	4.0	2.9
1952	3.6	8.0	9.1	7.3	3.2	4.5	3.6	3.0	2.5	2.5	2.2
1953	3.3	7.2	8.5	6.4	2.9	4.3	3.4	2.5	2.3	2.5	1.4
1954	6.0	11.4	12.7	7.7	5.5	7.3	6.6	5.3	4.6	4.6	3.0
1955	4.9	10.2	12.0	9.1	4.4	6.1	5.3	4.0	3.6	3.8	2.3
1956	4.8	11.2	13.2	9.9	4.2	6.3	4.8	3.9	3.6	3.6	2.3
1957	4.7	10.6	12.6	9.4	4.1	6.0	5.3	3.8	3.2	3.0	3.4
1958	6.8	14.3	16.6	12.9	6.1	8.9	7.3	6.2	4.9	4.5	3.7
1959	5.9	13.5	14.4	13.0	5.2	8.1	5.9	5.1	4.2	4.1	2.8
1960	5.9	13.9	15.5	12.9	5.1	8.3	6.3	4.8	4.2	3.4	2.9
1961	7.2	16.3	18.3	15.1	6.3	9.8	7.4	6.4	5.1	4.5	4.0
1962	6.2	14.6	16.7	13.5	5.4	9.1	6.5	5.2	4.1	3.5	4.2
1963	6.5	17.2	20.2	15.2	5.4	8.9	6.9	5.1	4.2	3.6	3.2
1964	6.2	16.6	18.8	15.2	5.2	8.6	6.3	5.0	3.9	3.3	3.3
1965	5.5	15.7	17.2	14.8	4.5	7.3	5.5	4.6	3.2	2.8	2.9
1966	4.8	14.1	16.6	12.6	3.8	6.3	4.5	3.6	2.9	2.3	2.8
1967	5.2	13.5	14.8	12.8	4.2	7.0	5.4	4.1	3.1	2.4	2.7
1968	4.8	14.0	15.9	12.9	3.8	6.7	4.7	3.4	2.4	2.2	2.7
1969	4.7	13.3	15.5	11.8	3.7	6.3	4.6	3.4	2.6	2.2	2.3
1970	5.9	15.6	17.4	14.4	4.8	7.9	5.7	4.4	3.5	2.7	3.1
1971	6.9	17.2	18.7	16.2	5.7	9.6	7.0	5.2	4.0	3.3	3.6
1972	6.6	16.7	18.8	15.2	5.4	9.4	6.2	4.9	3.6	3.3	3.5
1973	6.0	15.3	17.7	13.5	4.9	8.5	5.8	3.9	3.2	2.8	2.9
1974	6.7	16.6	18.2	15.4	5.5	9.5	6.2	4.6	3.7	3.2	3.6
1975	9.3	19.7	21.2	18.7	8.0	12.7	9.1	6.8	5.9	5.1	5.0
1976	8.6	18.7	20.8	17.4	7.4	11.9	8.4	6.1	5.2	4.9	5.0
1977	8.2	18.3	20.5	16.9	7.0	11.2	7.7	5.7	5.1	4.4	4.7
1978	7.2	17.1	19.5	15.3	6.0	10.1	6.7	5.0	4.0	3.2	3.8
1979	6.8	16.4	18.3	15.0	5.7	9.6	6.5	4.6	3.9	3.2	3.3
1980	7.4	17.2	19.6	15.6	6.4	10.4	7.2	5.3	4.5	3.3	3.1
1981	7.9	19.0	20.7	17.9	6.8	11.2	7.7	5.7	4.6	3.8	3.6
1982	9.4	21.9	23.2	21.0	8.3	13.2	9.3	7.0	5.9	5.2	3.2
1983	9.2	21.3	23.7	19.9	8.1	12.9	9.1	6.9	6.0	5.0	3.4
1984	7.6	18.0	20.4	16.6	6.8	10.9	7.4	5.6	5.2	4.3	3.8
1985	7.4	17.6	20.0	16.0	6.6	10.7	7.4	5.5	4.8	4.3	3.3
1986	7.1	17.6	19.6	16.3	6.2	10.3	7.2	5.0	4.5	3.8	2.8
1987	6.2	15.9	18.0	14.3	5.4	9.4	6.2	4.6	3.7	3.1	2.4
1988	5.6	14.4	16.6	12.9	4.9	8.5	5.6	4.1	3.4	2.7	2.9
1989	5.4	14.0	15.7	13.0	4.7	8.3	5.6	3.9	3.2	2.8	2.9
1990	5.5	14.7	17.4	13.1	4.9	8.5	5.6	4.2	3.4	2.8	3.1
1991	6.4	17.5	20.2	15.9	5.7	9.8	6.8	4.8	4.2	3.4	3.3
1992	7.0	18.6	21.5	16.6	6.3	10.3	7.4	5.5	4.6	4.2	4.5
1993	6.6	17.5	19.8	16.1	5.9	9.7	6.8	5.3	4.5	4.0	3.1
1994	6.0	16.2	18.7	14.3	5.4	9.2	6.2	4.7	4.0	3.9	4.0
1995	5.6	16.1	19.2	14.0	4.9	9.0	5.7	4.4	3.2	3.6	3.7
1996	5.4	15.2	16.9	14.0	4.8	9.0	5.5	4.2	3.2	3.4	4.0
1997	5.0	15.0	17.2	13.6	4.4	8.1	5.2	4.0	2.9	2.7	3.6
1998	4.6	12.9	15.1	11.5	4.1	7.8	4.8	3.8	2.7	2.4	3.3
1999	4.3	13.2	15.5	11.6	3.8	7.2	4.4	3.3	2.5	2.6	3.2
2000	4.1	12.1	13.9	10.8	3.6	7.1	4.1	3.3	2.5	2.5	2.7
2001	4.7	13.4	15.2	12.2	4.1	7.5	5.1	3.7	3.0	2.7	2.9
2002	5.6	14.9	16.6	13.8	5.1	9.1	5.9	4.6	3.8	3.5	3.9
2003	5.7	15.6	17.5	14.2	5.1	9.3	5.9	4.9	3.7	3.7	3.6

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE¹											
1954	5.0	12.1	13.2	11.3	4.6	8.3	4.6	4.0	4.0	4.3	3.9
1955	3.9	10.4	12.0	9.2	3.4	6.2	3.1	2.9	3.1	3.8	3.4
1956	3.6	10.1	11.5	9.0	3.2	5.7	3.1	2.6	2.9	3.2	3.1
1957	3.8	10.6	11.9	9.6	3.4	6.3	3.3	2.8	3.0	3.2	3.2
1958	6.1	14.4	15.2	13.9	5.6	9.9	5.9	4.8	4.8	4.9	4.6
1959	4.8	13.1	14.4	12.1	4.3	7.3	4.2	3.7	3.8	4.1	4.1
1960	5.0	13.5	14.6	12.6	4.3	7.9	4.5	3.6	3.8	3.9	3.7
1961	6.0	15.3	16.7	14.4	5.3	9.4	5.3	4.5	4.5	5.0	4.8
1962	4.9	13.3	15.3	12.0	4.2	7.9	4.2	3.6	3.6	3.9	4.0
1963	5.0	15.5	17.9	13.7	4.2	7.7	4.4	3.5	3.5	3.8	3.8
1964	4.6	14.8	16.5	13.3	3.8	7.3	3.6	3.2	3.2	3.5	3.5
1965	4.1	13.4	14.8	12.3	3.3	6.1	3.2	2.9	2.5	2.9	3.2
1966	3.4	11.2	13.3	9.7	2.6	4.6	2.6	2.3	2.1	2.4	2.9
1967	3.4	11.0	12.8	9.8	2.7	5.0	2.7	2.3	2.2	2.3	2.7
1968	3.2	11.0	12.9	9.6	2.5	5.2	2.4	2.0	1.8	1.9	2.8
1969	3.1	10.7	13.0	8.9	2.4	5.0	2.5	2.0	1.8	1.8	2.2
1970	4.5	13.5	15.5	11.9	3.7	7.3	3.8	3.0	2.7	2.7	3.2
1971	5.4	15.1	17.0	13.8	4.5	9.0	4.7	3.6	3.3	3.3	3.5
1972	5.1	14.2	16.6	12.3	4.1	8.4	4.1	3.2	2.9	3.1	3.4
1973	4.3	12.6	15.4	10.4	3.5	6.8	3.7	2.5	2.4	2.5	2.9
1974	5.0	14.0	16.3	12.2	4.1	8.0	4.4	3.1	2.8	2.8	3.3
1975	7.8	17.9	19.5	16.7	6.7	12.3	7.1	5.2	4.9	4.5	5.1
1976	7.0	16.9	19.0	15.3	5.9	10.7	6.3	4.5	4.2	4.3	4.9
1977	6.2	15.4	17.9	13.5	5.3	9.3	5.7	4.0	3.8	3.7	4.9
1978	5.2	13.9	17.0	11.5	4.3	8.0	4.6	3.3	3.0	2.7	3.8
1979	5.1	14.0	16.1	12.4	4.2	7.6	4.4	3.2	3.0	2.7	3.1
1980	6.3	15.5	17.9	13.8	5.4	9.9	6.1	4.2	3.7	3.1	2.7
1981	6.7	17.3	19.2	15.9	5.7	10.4	6.3	4.5	3.9	3.5	2.8
1982	8.6	20.4	22.8	18.8	7.6	12.8	8.5	6.3	5.4	5.1	3.1
1983	8.4	19.3	22.0	17.6	7.5	12.1	8.4	6.3	5.7	5.2	3.2
1984	6.5	16.0	18.8	14.3	5.7	9.3	6.2	4.8	4.4	4.4	3.0
1985	6.2	15.7	18.3	13.9	5.5	9.2	5.9	4.6	4.3	4.0	2.9
1986	6.0	15.6	17.6	14.1	5.3	8.7	5.9	4.5	4.1	3.8	2.9
1987	5.3	14.4	16.7	12.7	4.7	8.0	5.1	4.0	3.7	3.2	2.4
1988	4.7	13.1	15.3	11.6	4.1	7.1	4.5	3.5	3.1	3.0	2.4
1989	4.5	12.7	15.2	11.1	3.9	7.2	4.3	3.3	2.9	3.0	2.3
1990	4.8	13.5	15.8	12.1	4.3	7.3	4.6	3.6	3.3	3.2	2.8
1991	6.1	16.5	19.0	14.9	5.5	9.2	6.1	4.7	4.2	4.0	3.1
1992	6.6	17.2	20.3	15.2	6.0	9.5	6.7	5.2	4.8	4.9	3.7
1993	6.1	16.2	19.0	14.4	5.5	8.8	6.0	4.9	4.5	4.3	3.0
1994	5.3	15.1	17.6	13.3	4.7	8.1	5.2	4.0	3.7	3.9	3.8
1995	4.9	14.5	17.3	12.5	4.3	7.7	4.6	3.9	3.1	3.5	3.8
1996	4.7	14.2	16.4	12.6	4.1	7.8	4.4	3.6	3.1	3.2	3.5
1997	4.2	13.6	15.8	12.0	3.6	6.9	3.9	3.3	2.7	2.7	3.0
1998	3.9	12.6	14.8	11.0	3.3	6.5	3.7	2.9	2.6	2.4	2.9
1999	3.7	12.0	14.5	10.2	3.1	6.3	3.3	2.7	2.4	2.5	2.9
2000	3.5	11.4	13.9	9.8	3.0	5.9	3.2	2.6	2.2	2.4	2.8
2001	4.2	12.7	15.3	11.0	3.7	7.0	4.1	3.2	2.8	2.9	2.8
2002	5.1	14.5	16.7	13.2	4.6	8.1	5.2	4.1	3.7	3.7	3.5
2003	5.2	15.2	17.2	13.9	4.7	8.4	5.3	4.3	3.7	3.8	3.7

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK¹											
1972	10.4	35.4	38.7	33.6	7.9	16.3	8.7	6.1	4.2	4.1	4.3
1973	9.4	31.5	37.0	28.1	7.2	15.5	8.1	4.7	3.5	3.2	3.5
1974	10.5	35.0	40.0	31.8	8.0	17.5	8.5	5.4	4.3	3.6	3.9
1975	14.8	39.5	41.6	38.1	12.3	24.5	13.0	8.9	8.3	5.9	6.6
1976	14.0	39.3	44.2	36.7	11.5	22.7	12.8	8.0	6.7	5.9	5.9
1977	14.0	41.1	44.5	39.2	11.5	24.2	12.7	7.4	5.3	5.5	5.9
1978	12.8	38.7	43.9	35.7	10.2	21.8	10.8	6.4	5.2	4.8	5.8
1979	12.3	36.5	40.2	34.4	10.1	20.6	10.8	6.7	5.2	4.9	5.3
1980	14.3	38.5	41.1	37.1	12.1	23.6	13.3	8.2	6.8	5.4	6.9
1981	15.6	41.4	44.8	39.5	13.4	26.4	14.7	9.5	7.4	5.5	7.0
1982	18.9	48.0	48.6	47.8	16.6	30.6	19.0	12.1	8.7	8.3	7.1
1983	19.5	48.5	50.5	47.6	17.3	31.6	19.0	12.4	10.7	9.2	9.2
1984	15.9	42.7	45.7	41.2	13.9	26.1	15.2	9.9	8.2	7.4	6.5
1985	15.1	40.2	43.6	38.3	13.1	24.5	14.5	9.5	8.2	7.0	7.0
1986	14.5	39.3	43.0	37.2	12.7	24.1	14.0	9.6	7.1	6.6	4.5
1987	13.0	34.7	39.7	31.6	11.3	21.8	12.8	8.4	6.8	5.6	3.9
1988	11.7	32.4	35.1	30.7	10.2	19.6	11.9	7.5	5.9	4.8	5.5
1989	11.4	32.4	32.9	32.2	9.9	18.0	11.5	7.6	5.6	5.2	6.9
1990	11.4	30.9	36.5	27.8	10.1	19.9	11.7	7.8	5.3	4.6	5.3
1991	12.5	36.1	39.5	34.4	11.1	21.6	12.7	8.5	7.4	4.4	5.2
1992	14.2	39.7	44.7	37.1	12.6	23.8	14.2	10.5	8.3	6.2	4.9
1993	13.0	38.8	39.7	38.4	11.4	21.9	12.6	9.5	6.9	7.1	4.7
1994	11.5	35.2	36.1	34.6	10.0	19.5	11.1	8.5	5.6	5.4	6.2
1995	10.4	35.7	39.1	33.4	8.7	17.7	9.9	7.3	4.8	4.0	6.7
1996	10.5	33.6	36.3	31.7	9.0	18.8	10.5	7.3	5.0	4.4	5.3
1997	10.0	32.4	35.0	30.8	8.6	18.3	9.9	7.0	5.0	4.2	6.1
1998	8.9	27.6	33.6	24.2	7.7	16.8	8.4	6.5	4.4	3.9	5.6
1999	8.0	27.9	31.0	26.2	6.8	14.6	7.6	5.3	4.0	3.9	5.0
2000	7.6	24.5	26.9	22.9	6.5	15.0	6.7	5.6	4.1	3.0	6.1
2001	8.6	29.0	30.8	27.9	7.4	16.3	8.1	6.3	4.8	3.9	4.3
2002	10.2	29.8	34.9	27.2	9.1	19.1	9.9	7.8	6.3	5.4	5.9
2003	10.8	33.0	32.2	33.5	9.7	19.8	10.9	8.6	6.2	6.3	5.4
HISPANIC											
1973	7.5	19.7	23.4	17.3	6.0	8.5	5.7	5.6	4.7	5.5	3.9
1974	8.1	19.8	23.5	17.2	6.6	9.8	6.3	5.9	4.6	6.1	6.3
1975	12.2	27.7	30.0	26.5	10.3	16.7	9.9	8.6	8.1	7.7	9.9
1976	11.5	23.8	29.2	19.2	10.1	15.9	9.1	8.2	8.4	8.8	12.6
1977	10.1	22.9	27.0	19.6	8.5	12.0	8.6	6.1	7.3	8.2	9.2
1978	9.1	20.7	28.3	15.1	7.7	10.9	8.0	6.5	5.8	5.0	7.5
1979	8.3	19.2	26.0	14.9	7.0	10.4	6.7	6.2	5.2	6.0	5.7
1980	10.1	22.5	27.6	19.5	8.6	12.1	9.1	7.7	5.7	5.9	6.0
1981	10.4	23.9	28.0	21.7	9.1	13.9	8.8	7.4	6.4	7.3	5.4
1982	13.8	29.9	38.1	25.9	12.3	17.7	12.3	10.7	8.4	10.1	6.5
1983	13.7	28.4	33.8	25.8	12.3	16.7	11.9	11.3	10.0	10.9	5.8
1984	10.7	24.1	28.9	21.6	9.5	12.4	9.7	8.2	7.5	9.7	6.1
1985	10.5	24.3	27.8	22.5	9.4	12.6	9.9	7.7	7.4	7.8	8.1
1986	10.6	24.7	28.1	22.9	9.5	12.9	9.6	8.4	7.8	7.3	10.1
1987	8.8	22.3	27.7	19.5	7.8	10.6	7.7	6.7	6.9	6.0	6.5
1988	8.2	22.0	27.1	19.3	7.0	9.8	7.1	6.0	6.0	5.8	5.6
1989	8.0	19.4	26.4	16.0	7.2	10.7	7.0	5.9	6.3	5.8	5.3
1990	8.2	19.5	24.5	16.9	7.2	9.1	7.3	6.6	6.4	5.6	6.0
1991	10.0	22.9	31.9	18.7	9.0	11.6	9.2	8.1	8.0	6.5	7.0
1992	11.6	27.5	35.7	23.4	10.4	13.2	10.4	9.8	8.8	8.6	8.1
1993	10.8	26.1	35.1	21.8	9.7	13.1	9.3	9.1	8.6	8.0	6.6
1994	9.9	24.5	31.7	20.6	8.9	11.8	9.0	7.7	8.1	7.3	7.9
1995	9.3	24.1	33.1	19.5	8.2	11.5	8.2	7.2	6.4	7.5	10.6
1996	8.9	23.6	30.0	20.3	7.8	11.8	7.3	7.3	6.0	7.3	8.2
1997	7.7	21.6	27.7	18.4	6.8	10.3	6.3	6.4	5.1	6.5	6.8
1998	7.2	21.3	28.0	18.1	6.1	9.4	5.9	5.5	4.6	5.3	6.4
1999	6.4	18.6	23.7	16.3	5.5	8.3	5.4	4.8	4.8	4.5	5.0
2000	5.7	16.6	22.5	13.9	4.9	7.5	4.8	4.5	3.3	4.5	5.7
2001	6.6	17.7	24.0	15.0	5.8	8.1	5.9	5.2	4.3	5.6	4.5
2002	7.5	20.1	24.2	18.2	6.7	9.9	6.6	6.0	5.5	5.7	6.8
2003	7.7	20.0	24.6	17.7	7.0	10.2	7.0	6.0	6.3	5.7	3.9

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over							
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over	
WHITE MEN¹												
1954	4.8	13.4	14.0	13.0	4.4	9.8	4.2	3.6	3.8	4.3	4.2	
1955	3.7	11.3	12.2	10.4	3.3	7.0	2.7	2.6	2.9	3.9	3.8	
1956	3.4	10.5	11.2	9.7	3.0	6.1	2.8	2.2	2.8	3.1	3.4	
1957	3.6	11.5	11.9	11.1	3.2	7.0	2.7	2.5	3.0	3.4	3.2	
1958	6.1	15.7	14.9	16.5	5.5	11.7	5.6	4.4	4.8	5.2	5.0	
1959	4.6	14.0	15.0	13.0	4.1	7.5	3.8	3.2	3.7	4.2	4.5	
1960	4.8	14.0	14.6	13.5	4.2	8.3	4.1	3.3	3.6	4.1	4.0	
1961	5.7	15.7	16.5	15.2	5.1	10.1	4.9	4.0	4.4	5.3	5.2	
1962	4.6	13.7	15.2	12.7	4.0	8.1	3.8	3.1	3.5	4.1	4.0	
1963	4.7	15.9	17.8	14.2	3.9	7.8	3.9	2.9	3.3	4.0	4.1	
1964	4.1	14.7	16.1	13.3	3.4	7.4	3.0	2.5	2.9	3.5	3.6	
1965	3.6	12.9	14.7	11.3	2.9	5.9	2.6	2.3	2.3	3.1	3.4	
1966	2.8	10.5	12.5	8.9	2.2	4.1	2.1	1.7	1.7	2.5	3.0	
1967	2.7	10.7	12.7	9.0	2.1	4.2	1.9	1.6	1.8	2.2	2.7	
1968	2.6	10.1	12.3	8.3	2.0	4.6	1.7	1.4	1.5	1.7	2.8	
1969	2.5	10.0	12.5	7.9	1.9	4.6	1.7	1.4	1.4	1.7	2.2	
1970	4.0	13.7	15.7	12.0	3.2	7.8	3.1	2.3	2.3	2.7	3.2	
1971	4.9	15.1	17.1	13.5	4.0	9.4	4.0	2.9	2.9	3.2	3.4	
1972	4.5	14.2	16.4	12.4	3.6	8.5	3.4	2.5	2.5	3.0	3.3	
1973	3.8	12.3	15.2	10.0	3.0	6.6	3.0	1.8	2.0	2.4	2.9	
1974	4.4	13.5	16.2	11.5	3.5	7.8	3.6	2.4	2.2	2.5	3.0	
1975	7.2	18.3	19.7	17.2	6.2	13.1	6.3	4.5	4.4	4.1	5.0	
1976	6.4	17.3	19.7	15.5	5.4	10.9	5.6	3.7	3.7	4.0	4.7	
1977	5.5	15.0	17.6	13.0	4.7	9.3	5.0	3.1	3.0	3.3	4.9	
1978	4.6	13.5	16.9	10.8	3.7	7.7	3.8	2.5	2.5	2.6	3.9	
1979	4.5	13.9	16.1	12.2	3.6	7.5	3.7	2.5	2.5	2.5	3.2	
1980	6.1	16.2	18.5	14.5	5.3	11.1	5.9	3.6	3.3	3.1	2.5	
1981	6.5	17.9	19.9	16.4	5.6	11.6	6.1	4.0	3.6	3.4	2.4	
1982	8.8	21.7	24.2	20.0	7.8	14.3	8.9	6.2	5.3	5.1	3.2	
1983	8.8	20.2	22.6	18.7	7.9	13.8	9.0	6.4	5.7	5.6	3.2	
1984	6.4	16.8	19.7	15.0	5.7	9.8	6.2	4.6	4.2	4.7	2.6	
1985	6.1	16.5	19.2	14.7	5.4	9.7	5.7	4.3	4.1	4.0	2.7	
1986	6.0	16.3	18.4	14.7	5.3	9.2	5.8	4.4	4.0	4.0	3.0	
1987	5.4	15.5	17.9	13.7	4.8	8.4	5.2	3.9	3.9	3.4	2.5	
1988	4.7	13.9	16.1	12.4	4.1	7.4	4.6	3.4	3.2	3.3	2.2	
1989	4.5	13.7	16.4	12.0	3.9	7.5	4.1	3.2	2.9	3.1	2.1	
1990	4.9	14.3	16.1	13.2	4.3	7.6	4.7	3.5	3.4	3.6	2.8	
1991	6.5	17.6	19.7	16.3	5.8	10.2	6.4	5.0	4.4	4.6	3.1	
1992	7.0	18.5	21.5	16.5	6.4	10.5	7.0	5.5	5.1	5.5	3.2	
1993	6.3	17.7	20.2	16.0	5.7	9.6	6.2	5.0	4.7	4.7	2.9	
1994	5.4	16.3	18.5	14.7	4.8	8.8	5.2	3.9	3.7	4.1	3.7	
1995	4.9	15.6	18.2	13.8	4.3	7.9	4.5	3.8	3.2	3.4	4.0	
1996	4.7	15.5	18.3	13.5	4.1	8.1	4.2	3.5	3.1	3.2	3.2	
1997	4.2	14.3	16.3	12.9	3.6	7.3	3.7	3.2	2.8	3.0	2.7	
1998	3.9	14.1	17.1	12.1	3.2	6.7	3.5	2.6	2.6	2.6	2.9	
1999	3.6	12.6	15.1	10.8	3.0	6.5	3.1	2.4	2.4	2.6	2.9	
2000	3.4	12.3	15.3	10.4	2.8	5.9	2.9	2.4	2.2	2.4	3.0	
2001	4.2	13.9	17.4	11.7	3.7	7.8	3.8	3.1	2.9	3.2	2.8	
2002	5.3	15.9	18.8	14.2	4.7	8.7	5.3	4.1	3.8	4.0	3.4	
2003	5.6	17.1	18.5	16.1	5.0	9.1	5.5	4.4	4.0	4.2	3.8	

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
WHITE WOMEN¹											
1954	5.5	10.4	12.0	9.4	5.1	6.4	5.7	4.9	4.4	4.5	2.8
1955	4.3	9.1	11.6	7.7	3.9	5.1	4.3	3.8	3.4	3.6	2.2
1956	4.2	9.7	12.1	8.3	3.7	5.1	4.0	3.5	3.3	3.5	2.3
1957	4.3	9.5	11.9	7.8	3.8	5.1	4.7	3.7	3.0	2.9	3.4
1958	6.2	12.7	15.6	11.0	5.6	7.3	6.6	5.6	4.9	4.3	3.5
1959	5.3	12.0	13.3	11.1	4.7	7.0	5.2	4.7	3.9	4.0	2.9
1960	5.3	12.7	14.5	11.5	4.6	7.2	5.7	4.2	4.0	3.3	2.8
1961	6.5	14.8	17.0	13.6	5.7	8.4	6.6	5.6	4.8	4.3	3.8
1962	5.5	12.8	15.6	11.3	4.7	7.7	5.4	4.5	3.7	3.5	4.0
1963	5.8	15.1	18.1	13.2	4.8	7.4	5.8	4.6	3.9	3.5	3.3
1964	5.5	14.9	17.1	13.2	4.6	7.1	5.2	4.5	3.6	3.5	3.4
1965	5.0	14.0	15.0	13.4	4.0	6.3	4.9	4.1	3.0	2.7	2.7
1966	4.3	12.1	14.5	10.7	3.3	5.3	3.7	3.3	2.7	2.2	2.7
1967	4.6	11.5	12.9	10.6	3.8	6.0	4.7	3.7	2.9	2.3	2.6
1968	4.3	12.1	13.9	11.0	3.4	5.9	3.9	3.1	2.3	2.1	2.8
1969	4.2	11.5	13.7	10.0	3.4	5.5	4.2	3.2	2.4	2.1	2.4
1970	5.4	13.4	15.3	11.9	4.4	6.9	5.3	4.3	3.4	2.6	3.3
1971	6.3	15.1	16.7	14.1	5.3	8.5	6.3	4.9	3.9	3.3	3.6
1972	5.9	14.2	17.0	12.3	4.9	8.2	5.5	4.4	3.5	3.3	3.7
1973	5.3	13.0	15.8	10.9	4.3	7.1	5.1	3.7	3.2	2.7	2.8
1974	6.1	14.5	16.4	13.0	5.1	8.2	5.8	4.3	3.6	3.2	3.9
1975	8.6	17.4	19.2	16.1	7.5	11.2	8.4	6.5	5.8	5.0	5.3
1976	7.9	16.4	18.2	15.1	6.8	10.4	7.6	5.8	5.0	4.8	5.3
1977	7.3	15.9	18.2	14.2	6.2	9.3	6.7	5.3	5.0	4.4	4.9
1978	6.2	14.4	17.1	12.4	5.2	8.3	5.8	4.5	3.8	3.0	3.7
1979	5.9	14.0	15.9	12.5	5.0	7.8	5.6	4.2	3.7	3.0	3.1
1980	6.5	14.8	17.3	13.1	5.6	8.5	6.3	4.9	4.3	3.1	3.0
1981	6.9	16.6	18.4	15.3	5.9	9.1	6.6	5.1	4.2	3.7	3.4
1982	8.3	19.0	21.2	17.6	7.3	10.9	8.0	6.4	5.5	5.0	3.1
1983	7.9	18.3	21.4	16.4	6.9	10.3	7.6	6.2	5.5	4.7	3.1
1984	6.5	15.2	17.8	13.6	5.8	8.8	6.1	5.0	4.8	4.0	3.7
1985	6.4	14.8	17.2	13.1	5.7	8.5	6.2	4.9	4.5	4.1	3.1
1986	6.1	14.9	16.7	13.6	5.4	8.1	6.1	4.5	4.3	3.7	2.6
1987	5.2	13.4	15.5	11.7	4.6	7.4	5.0	4.1	3.3	2.9	2.4
1988	4.7	12.3	14.4	10.8	4.1	6.7	4.5	3.7	3.1	2.5	2.6
1989	4.5	11.5	13.8	10.1	4.0	6.8	4.5	3.4	2.9	2.7	2.5
1990	4.7	12.6	15.5	10.9	4.1	6.8	4.6	3.7	3.2	2.7	2.8
1991	5.6	15.2	18.2	13.3	5.0	8.1	5.7	4.3	4.0	3.3	3.1
1992	6.1	15.8	18.9	13.7	5.5	8.3	6.2	4.9	4.3	4.0	4.5
1993	5.7	14.7	17.8	12.6	5.2	7.9	5.8	4.7	4.3	3.9	3.0
1994	5.2	13.8	16.6	11.8	4.6	7.4	5.1	4.2	3.7	3.7	3.9
1995	4.8	13.4	16.4	11.2	4.3	7.4	4.7	3.9	3.0	3.5	3.5
1996	4.7	12.9	14.4	11.7	4.1	7.4	4.6	3.8	3.1	3.1	3.8
1997	4.2	12.8	15.2	11.1	3.7	6.4	4.2	3.4	2.6	2.4	3.4
1998	3.9	10.9	12.4	9.8	3.4	6.3	3.9	3.3	2.5	2.2	3.0
1999	3.8	11.3	13.9	9.6	3.3	6.1	3.6	3.0	2.3	2.5	2.9
2000	3.6	10.4	12.5	9.0	3.1	5.8	3.5	2.9	2.3	2.4	2.4
2001	4.1	11.4	13.1	10.2	3.6	6.1	4.5	3.3	2.7	2.5	2.7
2002	4.9	13.1	14.6	12.1	4.4	7.4	5.0	4.1	3.5	3.3	3.5
2003	4.8	13.3	15.9	11.5	4.4	7.6	4.9	4.2	3.3	3.4	3.5

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
BLACK MEN¹											
1972	9.3	31.7	36.7	28.4	7.0	14.9	7.2	4.8	3.8	4.4	5.4
1973	8.0	27.8	35.7	23.0	6.0	13.2	6.2	3.9	3.2	3.2	3.3
1974	9.8	33.1	39.9	28.3	7.4	16.2	8.1	4.3	4.2	3.6	5.3
1975	14.8	38.1	41.9	35.9	12.5	24.7	12.7	8.7	9.3	6.3	8.7
1976	13.7	37.5	40.8	36.0	11.4	22.6	12.0	7.5	7.3	6.3	8.7
1977	13.3	39.2	41.0	38.2	10.7	23.0	11.8	6.2	4.9	6.0	7.8
1978	11.8	36.7	43.0	32.9	9.3	21.0	9.8	5.1	4.9	4.4	6.6
1979	11.4	34.2	37.9	32.2	9.3	18.7	9.6	6.3	5.2	5.1	6.4
1980	14.5	37.5	39.7	36.2	12.4	23.7	13.4	8.2	7.2	6.2	8.7
1981	15.7	40.7	43.2	39.2	13.5	26.4	14.4	9.3	7.8	6.1	7.5
1982	20.1	48.9	52.7	47.1	17.8	31.5	20.1	13.4	9.0	10.3	9.3
1983	20.3	48.8	52.2	47.3	18.1	31.4	19.4	13.5	11.4	11.0	11.8
1984	16.4	42.7	44.0	42.2	14.3	26.6	15.0	10.4	7.9	8.9	7.9
1985	15.3	41.0	42.9	40.0	13.2	23.5	13.8	9.6	9.7	7.9	8.9
1986	14.8	39.3	41.4	38.2	12.9	23.5	13.5	10.9	7.8	8.0	4.3
1987	12.7	34.4	39.0	31.6	11.1	20.3	12.2	8.7	6.7	6.6	4.3
1988	11.7	32.7	34.4	31.7	10.1	19.4	11.0	7.6	6.2	5.2	5.6
1989	11.5	31.9	34.4	30.3	10.0	17.9	10.5	8.4	6.2	6.2	7.4
1990	11.9	31.9	38.8	28.0	10.4	20.1	11.5	8.4	6.3	5.4	4.6
1991	13.0	36.3	39.0	34.8	11.5	22.4	11.9	9.5	8.6	5.0	6.1
1992	15.2	42.0	47.5	39.1	13.5	24.6	14.2	11.2	10.3	8.1	4.9
1993	13.8	40.1	42.7	38.6	12.1	23.0	12.3	10.5	8.1	9.0	5.8
1994	12.0	37.6	39.3	36.5	10.3	19.4	10.6	9.1	6.5	6.0	8.2
1995	10.6	37.1	39.7	35.4	8.8	17.6	9.3	7.6	5.5	4.4	7.6
1996	11.1	36.9	39.9	34.9	9.4	19.2	10.1	7.8	6.3	5.2	5.0
1997	10.2	36.5	39.5	34.4	8.5	19.8	8.7	6.7	5.6	4.2	5.5
1998	8.9	30.1	33.9	27.9	7.4	18.0	7.3	6.2	4.4	4.5	5.2
1999	8.2	30.9	33.3	29.4	6.7	16.2	6.9	5.2	4.3	3.9	5.0
2000	8.0	26.2	28.5	24.7	6.9	16.6	6.7	5.8	4.8	2.7	6.3
2001	9.3	30.4	30.5	30.4	8.0	17.6	8.3	6.9	5.5	4.8	4.0
2002	10.7	31.3	36.6	28.7	9.5	20.0	9.4	8.0	7.4	6.1	5.0
2003	11.6	36.0	35.6	36.3	10.3	20.9	11.3	9.2	6.7	6.8	5.6
BLACK WOMEN¹											
1972	11.8	40.5	42.0	40.1	9.0	17.9	10.5	7.6	4.6	3.7	2.6
1973	11.1	36.1	38.6	34.2	8.6	18.4	10.3	5.6	3.9	3.3	3.7
1974	11.3	37.4	40.2	36.0	8.8	19.0	9.0	6.6	4.4	3.6	1.9
1975	14.8	41.0	41.2	40.6	12.2	24.3	13.4	9.0	7.0	5.3	3.6
1976	14.3	41.6	48.4	37.6	11.7	22.8	13.6	8.5	5.9	5.4	2.4
1977	14.9	43.4	49.5	40.4	12.3	25.5	13.6	8.7	5.8	4.8	3.4
1978	13.8	40.8	45.0	38.7	11.2	22.7	11.9	7.8	5.6	5.2	4.7
1979	13.3	39.1	42.7	36.9	10.9	22.6	12.1	7.2	5.2	4.7	3.9
1980	14.0	39.8	42.9	38.2	11.9	23.5	13.2	8.2	6.4	4.5	4.9
1981	15.6	42.2	46.5	39.8	13.4	26.4	14.9	9.8	6.9	4.7	6.0
1982	17.6	47.1	44.2	48.6	15.4	29.6	17.8	10.7	8.5	6.1	4.5
1983	18.6	48.2	48.6	48.0	16.5	31.8	18.6	11.4	9.9	7.3	6.3
1984	15.4	42.6	47.5	40.2	13.5	25.6	15.4	9.4	8.6	5.9	4.9
1985	14.9	39.2	44.3	36.4	13.1	25.6	15.1	9.3	6.8	6.0	5.2
1986	14.2	39.2	44.6	36.1	12.4	24.7	14.6	8.5	6.4	5.0	4.9
1987	13.2	34.9	40.5	31.7	11.6	23.3	13.5	8.1	6.9	4.5	3.4
1988	11.7	32.0	35.9	29.6	10.4	19.8	12.7	7.4	5.6	4.3	5.4
1989	11.4	33.0	31.1	34.0	9.8	18.1	12.5	7.0	5.0	4.2	6.4
1990	10.9	29.9	34.1	27.6	9.7	19.6	11.9	7.2	4.3	3.6	5.9
1991	12.0	36.0	40.1	33.9	10.6	20.7	13.4	7.6	6.2	3.8	4.4
1992	13.2	37.2	41.7	34.8	11.8	23.1	14.1	9.8	6.4	4.2	5.0
1993	12.1	37.4	36.1	38.1	10.7	20.9	12.9	8.6	5.8	5.1	3.6
1994	11.0	32.6	32.9	32.5	9.8	19.6	11.7	8.0	4.9	4.9	4.4
1995	10.2	34.3	38.5	31.5	8.6	17.8	10.5	7.0	4.2	3.6	5.6
1996	10.0	30.3	32.8	28.6	8.7	18.4	11.0	6.9	3.8	3.8	5.6
1997	9.9	28.7	30.3	27.8	8.8	17.1	10.9	7.2	4.4	4.1	6.6
1998	9.0	25.3	33.2	20.9	7.9	15.7	9.5	6.7	4.3	3.4	6.1
1999	7.8	25.1	28.5	23.3	6.8	13.4	8.3	5.5	3.8	3.9	5.0
2000	7.1	22.8	25.3	21.3	6.2	13.6	6.8	5.5	3.4	3.3	6.0
2001	8.1	27.5	31.2	25.4	7.0	15.3	8.0	5.8	4.3	3.1	4.6
2002	9.8	28.3	33.2	25.6	8.8	18.3	10.2	7.7	5.3	4.7	6.9
2003	10.2	30.3	29.1	31.1	9.2	18.8	10.5	8.1	5.8	5.9	5.3

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

... = Not available.

Table 1-29. Unemployment Rates of Civilian Workers by Race, Hispanic Origin, Sex, and Age, 1948–2003—Continued

(Percent of labor force.)

Year, race, Hispanic origin, and sex	16 years and over	16 to 19 years			20 years and over						
		Total	16 to 17 years	18 to 19 years	Total	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
HISPANIC MEN											
1973	6.7	19.0	20.9	17.7	5.4	8.2	5.0	4.2	4.5	5.4	...
1974	7.3	19.0	22.0	17.1	6.0	9.9	5.5	5.0	4.3	5.4	...
1975	11.4	27.6	29.3	26.5	9.6	16.3	9.6	7.9	7.0	6.8	...
1976	10.8	23.3	28.7	19.7	9.4	16.0	8.1	7.0	7.4	8.7	...
1977	9.0	20.9	25.9	18.2	7.7	11.7	7.9	4.9	5.4	7.4	...
1978	7.7	19.7	27.5	13.9	6.4	9.4	6.6	4.8	4.8	4.4	...
1979	7.0	17.5	23.5	13.8	5.8	9.2	5.3	5.1	4.4	5.0	...
1980	9.7	21.9	26.2	19.3	8.3	12.2	8.3	7.1	6.0	5.9	...
1981	10.2	24.3	30.9	20.3	8.8	14.1	8.9	6.5	5.9	6.7	...
1982	13.6	31.3	40.2	26.8	12.1	18.2	12.4	9.9	7.5	10.0	...
1983	13.6	28.7	34.7	25.9	12.2	17.0	11.6	10.8	10.3	11.7	...
1984	10.5	25.2	31.5	22.2	9.3	12.5	9.2	7.6	7.2	10.2	...
1985	10.2	24.7	29.1	22.4	9.1	12.9	9.6	7.2	6.8	7.0	...
1986	10.5	24.5	28.5	22.4	9.5	13.0	9.5	8.5	7.0	8.0	...
1987	8.7	22.2	28.2	19.3	7.8	10.2	7.6	6.9	7.1	6.7	...
1988	8.1	22.7	29.5	19.5	7.0	9.2	7.0	5.9	6.1	6.7	...
1989	7.6	20.2	27.6	16.8	6.6	9.7	5.9	5.7	6.0	6.6	...
1990	8.0	19.5	24.0	17.4	7.0	8.4	6.9	6.5	6.8	6.5	...
1991	10.3	23.5	33.6	19.2	9.3	11.6	9.3	8.5	7.9	8.1	...
1992	11.7	28.2	36.6	24.0	10.5	13.7	10.1	9.8	8.9	10.2	...
1993	10.6	25.9	34.5	21.9	9.5	12.6	9.0	8.8	8.8	8.5	...
1994	9.4	26.3	33.3	22.5	8.3	10.8	8.4	6.6	8.1	7.4	10.5
1995	8.8	25.3	34.8	20.2	7.7	10.6	7.5	6.7	5.9	7.9	12.9
1996	7.9	22.5	31.5	18.4	6.9	10.3	6.6	6.3	5.1	6.7	8.3
1997	7.0	20.8	26.5	17.9	6.1	9.8	5.1	5.4	4.8	6.8	7.2
1998	6.4	20.6	29.0	16.4	5.4	8.9	5.2	4.5	4.2	5.3	5.0
1999	5.6	17.8	23.4	15.3	4.7	7.8	4.1	3.8	4.5	4.6	5.0
2000	5.0	15.7	22.3	12.8	4.2	6.6	3.7	3.8	3.1	4.1	6.2
2001	5.9	17.1	25.8	13.4	5.2	8.1	4.6	4.5	3.8	6.3	4.8
2002	7.2	20.2	22.9	19.1	6.4	9.3	6.1	5.4	5.5	6.2	6.3
2003	7.2	21.9	25.9	20.1	6.4	9.6	6.3	5.3	6.0	6.0	3.6
HISPANIC WOMEN											
1973	9.0	20.7	26.8	16.7	7.3	9.0	6.9	8.3	5.1	5.6	...
1974	9.4	20.8	25.3	17.4	7.7	9.7	7.7	7.5	5.3	7.5	...
1975	13.5	27.9	31.0	26.4	11.5	17.2	10.5	9.9	10.0	9.3	...
1976	12.7	22.2	30.3	18.7	11.4	15.8	10.8	10.0	9.8	9.0	...
1977	11.9	24.4	28.5	21.9	10.1	12.1	9.8	8.2	10.6	11.0	...
1978	11.3	21.8	29.9	16.6	9.8	13.0	10.3	9.2	7.4	7.2	...
1979	10.3	21.2	30.0	15.8	8.9	12.1	8.9	7.7	7.1	7.9	...
1980	10.7	23.4	29.7	19.8	9.2	12.0	10.6	8.6	5.3	5.8	...
1981	10.8	23.4	23.5	23.4	9.5	13.5	8.7	8.9	7.2	8.4	...
1982	14.1	28.2	35.1	25.0	12.5	16.8	12.2	11.9	9.9	10.4	...
1983	13.8	28.0	32.5	25.7	12.4	16.2	12.5	12.2	9.7	9.6	...
1984	11.1	22.8	26.1	21.0	9.9	12.2	10.3	9.1	7.9	8.8	...
1985	11.0	23.8	26.2	22.6	9.9	12.1	10.6	8.5	8.1	9.2	...
1986	10.8	25.1	27.6	23.6	9.6	12.9	9.8	8.2	8.9	6.2	...
1987	8.9	22.4	27.1	19.9	7.7	11.4	7.8	6.5	6.7	5.0	...
1988	8.3	21.0	24.5	18.9	7.1	10.7	7.2	6.2	5.9	4.6	...
1989	8.8	18.2	24.7	14.9	8.0	12.2	8.6	6.3	6.7	4.5	...
1990	8.4	19.4	25.4	16.2	7.5	10.4	8.0	6.7	6.0	4.3	...
1991	9.6	21.9	29.6	17.9	8.6	11.7	9.1	7.6	8.1	4.1	...
1992	11.4	26.4	34.5	22.4	10.2	12.4	11.0	9.7	8.5	6.2	...
1993	11.0	26.3	36.0	21.7	9.9	14.0	9.9	9.5	8.3	7.2	...
1994	10.7	22.2	29.7	18.1	9.8	13.5	10.1	9.2	8.0	7.1	3.6
1995	10.0	22.6	30.7	18.7	8.9	13.0	9.5	7.9	7.0	6.8	6.4
1996	10.2	25.1	28.2	23.3	9.2	14.1	8.5	8.7	7.2	8.1	8.0
1997	8.9	22.7	29.2	19.1	7.9	11.0	8.2	7.7	5.5	6.1	6.0
1998	8.2	22.1	26.4	20.2	7.1	10.1	7.2	6.9	5.1	5.4	8.8
1999	7.6	19.8	24.0	17.7	6.6	9.1	7.3	6.3	5.1	4.3	4.8
2000	6.8	18.0	22.7	15.6	5.9	9.0	6.4	5.4	3.6	5.0	4.8
2001	7.5	18.5	21.6	17.1	6.6	8.2	7.8	6.2	4.8	4.8	4.0
2002	8.0	19.9	25.8	17.0	7.2	10.8	7.4	6.7	5.5	5.0	7.5
2003	8.4	17.7	23.2	14.4	7.8	11.3	8.2	7.1	6.8	5.3	4.4

... = Not available.

Table 1-30. Unemployed Persons and Unemployment Rates by Occupation, New Series, 2000–2003

(Thousands of people, percent of civilian labor force.)

Occupation	2000	2001	2002	2003
UNEMPLOYED PERSONS, TOTAL, 16 YEARS AND OVER ¹	5 692	6 801	8 378	8 774
Management, professional, and related occupations	827	1 102	1 482	1 556
Management, business, and financial operations	320	455	622	627
Professional and related occupations	507	647	859	929
Service occupations	1 132	1 311	1 544	1 681
Sales and office occupations	1 446	1 652	2 110	2 070
Sales and related occupations	673	779	998	995
Office and administrative support occupations	773	873	1 112	1 076
Natural resources, construction, and maintenance occupations	758	943	1 155	1 244
Farming, fishing, and forestry occupations	133	163	142	136
Construction and extraction occupations	507	626	788	814
Installation, maintenance, and repair occupations	119	154	225	295
Production, transportation, and material moving occupations	1 081	1 318	1 530	1 555
Production occupations	575	759	848	807
Transportation and material moving occupations	505	559	682	748
UNEMPLOYMENT RATE, TOTAL, 16 YEARS AND OVER ¹	4.0	4.7	5.8	6.0
Management, professional, and related occupations	1.8	2.3	3.0	3.1
Management, business, and financial operations	1.6	2.2	3.0	3.1
Professional and related occupations	1.9	2.3	3.0	3.2
Service occupations	5.2	5.8	6.6	7.1
Sales and office occupations	3.8	4.4	5.6	5.5
Sales and related occupations	4.1	4.7	5.9	5.9
Office and administrative support occupations	3.6	4.2	5.4	5.2
Natural resources, construction, and maintenance occupations	5.3	6.4	7.8	8.1
Farming, fishing, and forestry occupations	10.2	13.4	12.0	11.4
Construction and extraction occupations	6.2	7.3	9.1	9.1
Installation, maintenance, and repair occupations	2.4	3.2	4.6	5.5
Production, transportation, and material moving occupations	5.1	6.4	7.6	7.9
Production occupations	4.8	6.6	7.8	7.7
Transportation and material moving occupations	5.6	6.2	7.4	8.2

¹Includes a small number of persons whose last job was in the armed forces.

Table 1-31. Unemployed Persons and Unemployment Rates by Occupation, Old Series, 1988–1999

(Thousands of people, percent of civilian labor force.)

Occupation	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
UNEMPLOYED PERSONS, TOTAL, 16 YEARS AND OVER ¹	6 701	6 528	7 047	8 628	9 613	8 940	7 996	7 404	7 236	6 739	6 210	5 880
Managerial and professional specialty	577	614	666	889	1 009	984	907	880	869	761	722	770
Executive, administrative, and managerial	311	348	350	494	576	527	454	420	431	359	343	376
Professional specialty	266	265	316	395	433	457	453	460	438	403	380	394
Technical, sales, and administrative support	1 479	1 470	1 641	1 977	2 308	2 111	1 962	1 744	1 766	1 646	1 550	1 477
Technicians and related support	95	90	116	133	176	165	127	113	114	104	96	101
Sales occupations	652	643	720	857	985	927	907	795	843	814	745	714
Administrative support, including clerical	732	738	804	988	1 147	1 020	928	836	810	728	710	662
Service occupations	1 136	1 088	1 139	1 330	1 461	1 401	1 471	1 378	1 334	1 255	1 216	1 081
Private household	54	55	47	56	66	65	91	99	79	73	74	67
Protective service	81	74	74	101	108	108	96	86	84	89	85	72
Service, except private household and protective	1 000	960	1 018	1 172	1 287	1 228	1 285	1 193	1 170	1 093	1 057	943
Precision production, craft, and repair	773	762	861	1 149	1 294	1 155	910	860	795	719	630	607
Mechanics and repairers	166	161	175	246	281	258	201	182	174	167	149	136
Construction trades	405	428	483	655	730	631	518	501	456	406	338	330
Other precision production, craft, and repair	202	173	202	248	284	266	191	177	165	145	143	142
Operators, fabricators, and laborers	1 620	1 578	1 714	2 062	2 151	1 926	1 761	1 618	1 570	1 490	1 304	1 207
Machine operators, assemblers, and inspectors	673	678	727	903	922	816	672	629	654	551	494	440
Transportation and material moving occupations	317	306	329	398	428	404	364	329	292	306	279	235
Handlers, equipment cleaners, helpers, and laborers	630	594	657	761	802	706	725	660	625	633	531	532
Construction laborers	192	152	177	204	200	172	172	179	158	167	136	140
Other handlers, equipment cleaners, helpers, and laborers	439	442	481	556	601	534	552	481	467	467	395	392
Farming, forestry, and fishing	260	234	237	299	320	310	333	311	293	267	244	249
UNEMPLOYMENT RATE, TOTAL, 16 YEARS AND OVER ¹	5.5	5.3	5.6	6.8	7.5	6.9	6.1	5.6	5.4	4.9	4.5	4.2
Managerial and professional specialty	1.9	2.0	2.1	2.8	3.1	3.0	2.6	2.4	2.3	2.0	1.8	1.9
Executive, administrative, and managerial	2.1	2.3	2.3	3.2	3.8	3.3	2.7	2.4	2.4	1.9	1.8	1.9
Professional specialty	1.7	1.7	2.0	2.4	2.6	2.6	2.5	2.5	2.3	2.1	1.9	1.9
Technical, sales, and administrative support	4.0	3.9	4.3	5.2	5.9	5.4	5.0	4.5	4.5	4.1	3.9	3.7
Technicians and related support	2.6	2.4	2.9	3.4	4.0	3.9	3.2	2.8	2.8	2.4	2.2	2.3
Sales occupations	4.5	4.4	4.8	5.7	6.6	6.1	5.8	5.0	5.2	4.9	4.5	4.2
Administrative support, including clerical	3.9	3.9	4.1	5.1	5.8	5.2	4.7	4.3	4.2	3.8	3.7	3.5
Service occupations	6.9	6.5	6.6	7.6	8.2	7.7	8.0	7.5	7.2	6.7	6.4	5.7
Private household	5.7	5.9	5.6	6.5	6.9	6.5	10.0	10.7	9.0	8.4	8.0	7.4
Protective service	4.0	3.6	3.6	4.6	4.9	4.7	4.1	3.7	3.7	3.7	3.4	2.9
Service, except private household and protective	7.4	7.0	7.1	8.1	8.8	8.2	8.5	7.9	7.6	7.0	6.8	6.0
Precision production, craft, and repair	5.4	5.2	5.9	8.0	8.9	7.9	6.3	6.0	5.5	4.8	4.2	4.0
Mechanics and repairers	3.6	3.4	3.8	5.2	5.9	5.5	4.3	4.0	3.7	3.5	3.0	2.7
Construction trades	7.4	7.7	8.5	11.9	13.1	11.1	9.4	9.0	8.2	7.0	5.7	5.4
Other precision production, craft, and repair	4.7	4.0	4.7	5.9	6.7	6.3	4.5	4.2	4.0	3.4	3.4	3.5
Operators, fabricators, and laborers	8.3	8.0	8.7	10.6	11.1	10.0	9.0	8.2	7.9	7.5	6.7	6.2
Machine operators, assemblers, and inspectors	7.7	7.6	8.1	10.4	10.7	9.7	8.0	7.4	7.7	6.5	6.0	5.6
Transportation and material moving occupations	6.2	5.9	6.3	7.5	8.0	7.4	6.6	6.0	5.2	5.4	4.9	4.1
Handlers, equipment cleaners, helpers, and laborers	11.5	10.8	11.6	13.9	14.6	12.9	12.7	11.7	11.1	11.1	9.4	9.2
Construction laborers	19.4	16.8	18.1	22.1	22.9	20.3	18.9	18.7	16.3	17.1	14.2	13.2
Other handlers, equipment cleaners, helpers, and laborers	9.7	9.7	10.3	12.2	13.0	11.6	11.5	10.3	10.0	9.9	8.4	8.3
Farming, forestry, and fishing	7.0	6.4	6.4	7.9	8.3	8.4	8.4	7.9	7.6	7.1	6.5	6.8

¹Includes a small number of persons whose last job was in the armed forces.

Table 1-32. Unemployed Persons¹ by Industry and Class of Worker, New Series, 2000–2003

(Thousands of people.)

Industry and class of worker	2000	2001	2002	2003
TOTAL, 16 YEARS AND OVER	5 692	6 801	8 378	8 774
Nonagricultural private wage and salary workers	4 483	5 540	6 926	7 131
Mining	21	23	33	37
Construction	513	609	800	810
Manufacturing	691	992	1 205	1 166
Durable goods	400	630	789	762
Nondurable goods	290	362	416	404
Wholesale trade and retail trade	837	945	1 202	1 237
Transportation and utilities	193	236	274	283
Information	124	190	253	246
Financial activities	208	252	320	319
Professional and business services	573	768	1 009	1 042
Education and health services	383	463	570	640
Leisure and hospitality	720	833	961	1 006
Other services	219	229	301	347
Agriculture and related private wage and salary workers	134	153	139	140
Government workers	422	430	512	568
Self-employed and unpaid family members	219	218	265	294

Note: See "Notes and Definitions" for information on historical comparability.

¹Persons with no work experience and persons whose last job was in the armed forces are included in the unemployed total.

Table 1-33. Unemployed Persons by Industry and Class of Worker, Old Series, 1948–1999

(Thousands of people.)

Year	Experienced wage and salary workers											
	Total ¹	Agriculture	Wage and salary workers in private nonagricultural industries, except private households									
			Total	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services, except private households
						Total	Durable goods	Nondurable goods				
1948	2 046	96	1 756	28	232	678	339	339	149	415	30	224
1949	3 310	132	2 871	73	380	1 242	652	590	252	578	36	310
1950	2 990	162	2 512	61	348	981	466	515	189	580	40	313
1951	1 857	71	1 578	36	218	637	271	366	95	373	27	192
1952	1 707	73	1 453	35	218	573	266	307	95	326	33	173
1953	1 671	81	1 419	45	227	536	253	283	90	315	34	172
1954	3 230	133	2 827	106	386	1 232	720	512	231	549	46	277
1955	2 568	124	2 188	69	337	821	436	385	163	464	49	285
1956	2 443	126	2 081	50	313	832	448	384	127	459	39	261
1957	2 542	118	2 181	41	349	901	502	399	139	461	42	248
1958	4 096	180	3 584	72	523	1 605	1 036	569	246	705	68	365
1959	3 252	158	2 782	59	466	1 055	611	444	178	617	63	344
1960	3 337	159	2 847	59	463	1 103	626	477	193	637	63	329
1961	4 061	173	3 516	67	544	1 376	835	541	218	783	91	437
1962	3 342	127	2 889	46	466	1 045	575	470	166	678	82	406
1963	3 415	158	2 916	41	456	1 061	573	488	170	689	75	424
1964	3 134	158	2 643	37	390	941	498	443	143	649	75	408
1965	2 732	114	2 320	29	364	775	382	393	118	585	70	379
1966	2 331	89	1 957	20	286	651	325	326	88	528	62	322
1967	2 489	96	2 098	19	257	775	418	357	100	521	80	346
1968	2 356	86	1 971	16	247	691	368	323	87	513	74	343
1969	2 372	76	1 997	15	225	705	382	323	99	530	73	350
1970	3 526	94	3 070	16	380	1 195	719	475	150	732	102	495
1971	4 300	100	3 731	23	428	1 401	841	559	178	948	128	625
1972	4 122	103	3 537	19	450	1 154	653	501	168	994	138	613
1973	3 646	95	3 091	19	407	939	500	439	143	896	117	570
1974	4 391	110	3 769	20	486	1 257	703	554	162	1 058	139	648
1975	6 970	151	6 110	31	807	2 333	1 431	902	278	1 493	217	952
1976	6 387	180	5 421	37	694	1 700	987	714	246	1 527	200	1 017
1977	5 915	171	4 987	33	593	1 474	805	669	242	1 473	186	986
1978	5 220	142	4 359	37	530	1 244	661	583	201	1 295	161	891
1979	5 217	148	4 391	45	541	1 306	702	603	206	1 250	165	879
1980	6 634	175	5 710	65	740	1 991	1 254	736	280	1 443	188	1 004
1981	7 129	201	6 089	70	809	1 915	1 139	777	304	1 609	199	1 182
1982	9 275	260	8 128	154	1 031	2 771	1 788	983	397	2 066	276	1 433
1983	9 276	300	7 985	182	1 005	2 454	1 562	892	424	2 109	272	1 539
1984	7 236	243	6 145	103	817	1 654	955	699	330	1 710	232	1 299
1985	7 074	233	6 088	96	778	1 694	1 004	690	316	1 679	228	1 297
1986	7 019	222	6 097	134	809	1 559	910	650	313	1 706	239	1 336
1987	6 313	191	5 434	87	724	1 305	749	556	277	1 582	225	1 234
1988	5 718	192	4 943	62	669	1 161	653	508	246	1 433	221	1 151
1989	5 616	176	4 866	42	634	1 140	634	506	251	1 412	230	1 157
1990	6 104	190	5 354	36	718	1 289	762	527	252	1 551	221	1 287
1991	7 512	231	6 593	60	946	1 572	950	621	353	1 851	290	1 522
1992	8 361	251	7 344	56	1 020	1 663	979	685	373	2 097	332	1 802
1993	7 708	224	6 751	52	874	1 487	842	645	352	1 964	303	1 719
1994	7 092	218	6 113	37	724	1 154	630	524	340	1 899	271	1 688
1995	6 533	225	5 636	34	737	1 030	534	496	314	1 682	240	1 599
1996	6 389	213	5 532	30	666	1 013	563	450	291	1 679	201	1 653
1997	5 900	190	5 131	24	623	885	445	440	260	1 645	229	1 465
1998	5 477	180	4 781	20	532	816	426	390	254	1 493	197	1 470
1999	5 202	189	4 511	33	520	739	434	305	235	1 422	191	1 371

Note: See "Notes and Definitions" for information on historical comparability.

¹Includes private household members, not shown separately.

Table 1-34. Unemployment Rates¹ by Industry and Class of Worker, New Series, 2000–2003

(Percent of civilian labor force.)

Industry and class of worker	2000	2001	2002	2003
TOTAL, 16 YEARS AND OVER	4.0	4.7	5.8	6.0
Nonagricultural private wage and salary workers	4.1	5.0	6.2	6.3
Mining	4.4	4.2	6.3	6.7
Construction	6.2	7.1	9.2	9.3
Manufacturing	3.5	5.2	6.7	6.6
Durable goods	3.2	5.2	6.9	6.9
Nondurable goods	4.0	5.2	6.2	6.1
Wholesale trade and retail trade	4.3	4.9	6.1	6.0
Transportation and utilities	3.4	4.3	4.9	5.3
Information	3.2	4.9	6.9	6.8
Financial activities	2.4	2.9	3.5	3.5
Professional and business services	4.8	6.1	7.9	8.2
Education and health services	2.5	2.8	3.4	3.6
Leisure and hospitality	6.6	7.5	8.4	8.7
Other services	3.9	4.0	5.1	5.7
Agriculture and related private wage and salary workers	9.0	11.2	10.1	10.2
Government workers	2.1	2.2	2.5	2.8
Self-employed and unpaid family members	2.1	2.1	2.6	2.7

Note: See "Notes and Definitions" for information on historical comparability.

¹Persons with no work experience and persons whose last job was in the armed forces are included in the unemployed total.

Table 1-35. Unemployment Rates by Industry and Class of Worker, Old Series, 1948–1999

(Percent of civilian labor force.)

Year	Experienced wage and salary workers											
	Total ¹	Agriculture	Wage and salary workers in private nonagricultural industries, except private households									
			Total	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services, except private households
						Total	Durable goods	Nondurable goods				
1948	4.3	5.5	4.5	3.1	8.7	4.2	4.0	4.4	3.5	4.7	1.8	5.0
1949	6.8	7.1	7.3	8.9	14.0	8.0	8.1	7.8	5.9	6.2	2.1	6.5
1950	6.0	9.0	6.2	6.9	12.2	6.2	5.7	6.7	4.6	6.0	2.2	6.2
1951	3.7	4.4	3.9	4.0	7.2	3.9	3.1	4.7	2.3	3.9	1.5	4.0
1952	3.4	4.8	3.6	3.8	6.7	3.5	3.0	4.1	2.3	3.5	1.8	3.4
1953	3.2	5.6	3.4	4.6	7.2	3.1	2.6	3.8	2.2	3.4	1.8	3.3
1954	6.2	9.0	6.7	14.4	12.9	7.1	7.3	6.9	5.6	5.7	2.3	5.2
1955	4.8	7.2	5.1	9.1	10.9	4.7	4.4	5.2	4.0	4.7	2.4	5.1
1956	4.4	7.4	4.7	6.8	10.0	4.7	4.4	5.2	3.0	4.5	1.8	4.4
1957	4.6	6.9	4.9	5.9	10.9	5.1	4.9	5.3	3.3	4.5	1.8	4.0
1958	7.3	10.3	8.0	11.0	15.3	9.3	10.6	7.7	6.1	6.8	2.9	5.6
1959	5.7	9.1	6.2	9.7	13.4	6.1	6.2	6.0	4.4	5.8	2.5	5.1
1960	5.7	8.3	6.2	9.7	13.5	6.2	6.4	6.1	4.6	5.9	2.4	4.8
1961	6.8	9.6	7.5	11.1	15.7	7.8	8.5	6.8	5.3	7.3	3.3	6.0
1962	5.6	7.5	6.2	7.8	13.5	5.8	5.7	6.0	4.1	6.3	3.0	5.4
1963	5.6	9.2	6.1	7.2	13.3	5.7	5.5	6.0	4.2	6.2	2.7	5.6
1964	5.0	9.7	5.4	6.7	11.2	5.0	4.7	5.4	3.5	5.7	2.6	5.2
1965	4.3	7.6	4.6	5.4	10.1	4.0	3.5	4.7	2.9	5.0	2.3	4.6
1966	3.5	6.6	3.8	3.7	8.0	3.2	2.8	3.8	2.1	4.4	2.1	3.8
1967	3.6	6.9	3.9	3.4	7.4	3.7	3.4	4.1	2.4	4.2	2.5	3.9
1968	3.4	6.3	3.6	3.1	6.9	3.3	3.0	3.7	2.0	4.0	2.2	3.7
1969	3.3	6.1	3.5	2.9	6.0	3.3	3.0	3.7	2.2	4.1	2.1	3.5
1970	4.8	7.5	5.3	3.1	9.7	5.6	5.7	5.4	3.2	5.3	2.8	4.7
1971	5.7	7.9	6.3	4.0	10.4	6.8	7.0	6.5	3.8	6.4	3.3	5.8
1972	5.3	7.7	5.8	3.2	10.3	5.6	5.5	5.8	3.5	6.4	3.4	5.4
1973	4.5	7.0	4.9	2.9	8.9	4.4	3.9	5.0	3.0	5.7	2.7	4.8
1974	5.3	7.5	5.8	3.0	10.7	5.8	5.4	6.3	3.3	6.5	3.1	5.2
1975	8.2	10.4	9.2	4.1	18.0	10.9	11.3	10.4	5.6	8.7	4.9	7.2
1976	7.3	11.8	8.0	4.6	15.5	7.9	7.7	8.2	5.0	8.6	4.3	7.3
1977	6.6	11.2	7.1	3.8	12.7	6.7	6.2	7.4	4.7	8.0	3.8	6.8
1978	5.6	8.9	6.0	4.2	10.6	5.5	5.0	6.3	3.7	6.9	3.1	5.8
1979	5.5	9.3	5.8	4.9	10.3	5.6	5.0	6.5	3.7	6.5	3.0	5.5
1980	6.9	11.0	7.4	6.4	14.1	8.5	8.9	7.9	4.9	7.4	3.4	6.0
1981	7.3	12.1	7.7	6.0	15.6	8.3	8.2	8.4	5.2	8.1	3.5	6.7
1982	9.3	14.7	10.2	13.4	20.0	12.3	13.3	10.8	6.8	10.0	4.7	7.7
1983	9.2	16.0	9.9	17.0	18.4	11.2	12.1	10.0	7.4	10.0	4.5	7.9
1984	7.1	13.5	7.4	10.0	14.3	7.5	7.2	7.8	5.5	8.0	3.7	6.5
1985	6.8	13.2	7.2	9.5	13.1	7.7	7.6	7.8	5.1	7.6	3.5	6.2
1986	6.6	12.5	7.0	13.5	13.1	7.1	6.9	7.4	5.1	7.6	3.5	6.1
1987	5.8	10.5	6.2	10.0	11.6	6.0	5.8	6.3	4.5	6.9	3.1	5.4
1988	5.2	10.6	5.5	7.9	10.6	5.3	5.0	5.7	3.9	6.2	3.0	4.8
1989	5.0	9.6	5.3	5.8	10.0	5.1	4.8	5.5	3.9	6.0	3.1	4.7
1990	5.3	9.8	5.7	4.8	11.1	5.8	5.8	5.8	3.9	6.4	3.0	5.0
1991	6.6	11.8	7.1	7.8	15.5	7.3	7.5	6.9	5.3	7.6	4.0	5.8
1992	7.2	12.5	7.8	8.0	16.8	7.8	8.0	7.6	5.5	8.4	4.6	6.5
1993	6.6	11.7	7.1	7.4	14.4	7.2	7.1	7.4	5.1	7.8	4.1	6.1
1994	5.9	11.3	6.3	5.4	11.8	5.6	5.2	6.0	4.8	7.4	3.6	5.7
1995	5.4	11.1	5.7	5.2	11.5	4.9	4.4	5.7	4.5	6.5	3.3	5.2
1996	5.2	10.2	5.5	5.1	10.1	4.8	4.5	5.2	4.1	6.4	2.7	5.2
1997	4.7	9.1	5.0	3.8	9.0	4.2	3.5	5.1	3.5	6.2	3.0	4.5
1998	4.3	8.3	4.6	3.2	7.5	3.9	3.4	4.7	3.4	5.5	2.5	4.4
1999	4.0	8.9	4.3	5.7	7.0	3.6	3.5	3.9	3.0	5.2	2.3	4.0

Note: See "Notes and Definitions" for information on historical comparability.

¹Includes private household members, not shown separately.

Table 1-36. Unemployed Persons by Duration of Unemployment, 1948–2003

(Thousands of people.)

Year	Total	Less than 5 weeks	5 to 14 weeks	15 weeks and over			Average duration, in weeks	Median duration, in weeks
				Total	15 to 26 weeks	27 weeks and over		
1948	2 276	1 300	669	309	193	116	8.6	...
1949	3 637	1 756	1 194	684	428	256	10.0	...
1950	3 288	1 450	1 055	782	425	357	12.1	...
1951	2 055	1 177	574	303	166	137	9.7	...
1952	1 883	1 135	516	232	148	84	8.4	...
1953	1 834	1 142	482	210	132	78	8.0	...
1954	3 532	1 605	1 116	812	495	317	11.8	...
1955	2 852	1 335	815	702	366	336	13.0	...
1956	2 750	1 412	805	533	301	232	11.3	...
1957	2 859	1 408	891	560	321	239	10.5	...
1958	4 602	1 753	1 396	1 452	785	667	13.9	...
1959	3 740	1 585	1 114	1 040	469	571	14.4	...
1960	3 852	1 719	1 176	957	503	454	12.8	...
1961	4 714	1 806	1 376	1 532	728	804	15.6	...
1962	3 911	1 663	1 134	1 119	534	585	14.7	...
1963	4 070	1 751	1 231	1 088	535	553	14.0	...
1964	3 786	1 697	1 117	973	491	482	13.3	...
1965	3 366	1 628	983	755	404	351	11.8	...
1966	2 875	1 573	779	526	287	239	10.4	...
1967	2 975	1 634	893	448	271	177	8.7	2.3
1968	2 817	1 594	810	412	256	156	8.4	4.5
1969	2 832	1 629	827	375	242	133	7.8	4.4
1970	4 093	2 139	1 290	663	428	235	8.6	4.9
1971	5 016	2 245	1 585	1 187	668	519	11.3	6.3
1972	4 882	2 242	1 472	1 167	601	566	12.0	6.2
1973	4 365	2 224	1 314	826	483	343	10.0	5.2
1974	5 156	2 604	1 597	955	574	381	9.8	5.2
1975	7 929	2 940	2 484	2 505	1 303	1 203	14.2	8.4
1976	7 406	2 844	2 196	2 366	1 018	1 348	15.8	8.2
1977	6 991	2 919	2 132	1 942	913	1 028	14.3	7.0
1978	6 202	2 865	1 923	1 414	766	648	11.9	5.9
1979	6 137	2 950	1 946	1 241	706	535	10.8	5.4
1980	7 637	3 295	2 470	1 871	1 052	820	11.9	6.5
1981	8 273	3 449	2 539	2 285	1 122	1 162	13.7	6.9
1982	10 678	3 883	3 311	3 485	1 708	1 776	15.6	8.7
1983	10 717	3 570	2 937	4 210	1 652	2 559	20.0	10.1
1984	8 539	3 350	2 451	2 737	1 104	1 634	18.2	7.9
1985	8 312	3 498	2 509	2 305	1 025	1 280	15.6	6.8
1986	8 237	3 448	2 557	2 232	1 045	1 187	15.0	6.9
1987	7 425	3 246	2 196	1 983	943	1 040	14.5	6.5
1988	6 701	3 084	2 007	1 610	801	809	13.5	5.9
1989	6 528	3 174	1 978	1 375	730	646	11.9	4.8
1990	7 047	3 265	2 257	1 525	822	703	12.0	5.3
1991	8 628	3 480	2 791	2 357	1 246	1 111	13.7	6.8
1992	9 613	3 376	2 830	3 408	1 453	1 954	17.7	8.7
1993	8 940	3 262	2 584	3 094	1 297	1 798	18.0	8.3
1994	7 996	2 728	2 408	2 860	1 237	1 623	18.8	9.2
1995	7 404	2 700	2 342	2 363	1 085	1 278	16.6	8.3
1996	7 236	2 633	2 287	2 316	1 053	1 262	16.7	8.3
1997	6 739	2 538	2 138	2 062	995	1 067	15.8	8.0
1998	6 210	2 622	1 950	1 637	763	875	14.5	6.7
1999	5 880	2 568	1 832	1 480	755	725	13.4	6.4
2000	5 692	2 558	1 815	1 318	669	649	12.6	5.9
2001	6 801	2 853	2 196	1 752	951	801	13.1	6.8
2002	8 378	2 893	2 580	2 904	1 369	1 535	16.6	9.1
2003	8 774	2 785	2 612	3 378	1 442	1 936	19.2	10.1

Note: See "Notes and Definitions" for information on historical comparability.

... = Not available.

Table 1-37. Long-Term Unemployment by Industry and Occupation, New Series, 2000–2003

(Thousands of people.)

Industry and occupation	2000	2001	2002	2003
UNEMPLOYED 15 WEEKS AND OVER				
Total	1318	1752	2904	3378
WAGE AND SALARY WORKERS BY INDUSTRY ¹				
Agriculture and related industries	32	44	39	44
Mining	7	7	11	17
Construction	107	130	236	262
Manufacturing	184	303	528	575
Durable goods	99	183	348	389
Nondurable goods	86	120	180	186
Wholesale and retail trade	186	241	423	472
Transportation and utilities	57	71	124	132
Information	33	52	119	128
Financial activities	58	75	131	144
Professional and business services	143	217	377	440
Education and health services	124	149	232	300
Leisure and hospitality	146	196	279	328
Other services	54	58	95	132
Public administration	41	36	51	59
EXPERIENCED WORKERS BY OCCUPATION				
Management, professional, and related occupations	213	313	603	692
Service occupations	246	323	447	564
Sales and office occupations	331	419	759	810
Natural resources, construction, and maintenance occupations	161	212	346	424
Production, transportation and material moving occupations	273	360	575	654
UNEMPLOYED 27 WEEKS AND OVER				
Total	649	801	1 535	1 936
WAGE AND SALARY WORKERS BY INDUSTRY ¹				
Agriculture and related industries	13	16	18	21
Mining	4	3	5	10
Construction	44	60	111	132
Manufacturing	100	132	291	366
Durable goods	50	75	191	255
Nondurable goods	50	57	100	111
Wholesale and retail trade	80	114	226	261
Transportation and utilities	27	33	67	74
Information	18	21	62	80
Financial activities	32	34	131	88
Professional and business services	67	90	377	262
Education and health services	63	71	232	167
Leisure and hospitality	69	90	279	166
Other services	26	31	95	71
Public administration	23	18	51	33
EXPERIENCED WORKERS BY OCCUPATION				
Management, professional, and related occupations	101	135	340	429
Service occupations	128	156	225	295
Sales and office occupations	151	185	397	459
Natural resources, construction, and maintenance occupations	74	96	164	229
Production, transportation and material moving occupations	140	162	313	388

Note: See "Notes and Definitions" for information on historical comparability.

¹Includes wage and salary workers only.

Table 1-38. Long-Term Unemployment by Industry and Occupation, Old Series, 1988–1999

(Thousands of people.)

Industry and occupation	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
UNEMPLOYED 15 WEEKS AND OVER												
Total	1 610	1 375	1 525	2 357	3 408	3 094	2 860	2 363	2316	2 062	1 637	1480
WAGE AND SALARY WORKERS BY INDUSTRY ¹												
Agriculture	39	32	31	47	57	56	72	58	65	50	44	41
Mining	28	15	11	23	25	27	21	13	11	9	3	...
Construction	169	153	162	285	402	330	238	233	208	171	134	127
Manufacturing	361	299	353	525	725	655	482	371	374	309	230	221
Durable goods	228	177	221	334	457	394	283	198	207	155	115	137
Nondurable goods	133	123	132	192	268	262	199	172	168	154	115	84
Transportation and public utilities	86	74	75	130	190	171	171	135	118	103	80	74
Wholesale and retail trade	295	268	303	448	699	630	628	493	486	456	359	318
Finance and services	405	350	403	615	921	840	825	711	729	645	533	460
Public administration	55	42	36	66	71	85	79	57	63	50	44	45
EXPERIENCED WORKERS BY OCCUPATION												
Managerial and professional specialty	164	156	184	310	473	429	371	320	316	258	211	214
Technical, sales, and administrative support	338	281	352	543	858	773	699	553	558	487	393	347
Service occupations	232	209	215	308	427	404	470	407	396	376	320	271
Precision production, craft, and repair	215	193	211	363	533	460	335	287	262	222	161	147
Operators, fabricators, and laborers	462	376	413	618	810	722	640	517	516	457	341	322
Farming, forestry, and fishing	63	48	43	62	75	82	113	81	91	75	63	57
UNEMPLOYED 27 WEEKS AND OVER												
Total	809	646	703	1 111	1 954	1 798	1 623	1 278	1 262	1 067	875	725
WAGE AND SALARY WORKERS BY INDUSTRY ¹												
Agriculture	16	13	13	17	26	26	36	27	29	25	20	17
Mining	17	8	5	13	19	16	14	9	7	4	2	...
Construction	78	66	69	125	219	188	125	125	105	78	66	55
Manufacturing	194	146	168	255	455	392	282	203	207	167	113	108
Durable goods	128	85	102	160	294	237	170	108	116	84	58	67
Nondurable goods	66	62	65	95	162	155	113	95	90	83	56	41
Transportation and public utilities	46	39	34	67	120	102	107	77	62	53	49	38
Wholesale and retail trade	154	120	139	203	378	368	350	259	251	218	191	151
Finance and services	191	160	179	293	527	492	452	380	409	333	282	228
Public administration	28	22	20	32	45	53	50	32	37	30	27	24
EXPERIENCED WORKERS BY OCCUPATION												
Managerial and professional specialty	73	73	86	153	290	266	214	181	177	143	112	107
Technical, sales, and administrative support	162	119	152	247	498	460	389	289	295	232	206	157
Service occupations	125	97	104	146	231	234	268	228	220	209	177	148
Precision production, craft, and repair	108	98	95	169	308	270	184	156	144	108	84	66
Operators, fabricators, and laborers	247	183	197	302	480	416	373	276	280	234	177	156
Farming, forestry, and fishing	29	22	17	25	33	39	57	41	42	39	27	26

Note: See "Notes and Definitions" for information on historical comparability.

¹Includes wage and salary workers only.

... = Not available.

Table 1-39. Unemployed Persons and Unemployment Rates by Sex, Age, and Reason for Unemployment, 1970–2003

(Thousands of people, percent.)

Year and sex	Number of unemployed					Unemployed as a percent of the total civilian labor force			
	Total	Job losers	Job leavers	Entrants		Job losers	Job leavers	Entrants	
				Reentrants	New entrants			Reentrants	New entrants
TOTAL									
1970	4 093	1 811	550	1 228	504	2.2	0.7	1.5	0.6
1971	5 016	2 323	590	1 472	630	2.8	0.7	1.7	0.7
1972	4 882	2 108	641	1 456	677	2.4	0.7	1.7	0.8
1973	4 365	1 694	683	1 340	649	1.9	0.8	1.5	0.7
1974	5 156	2 242	768	1 463	681	2.4	0.8	1.6	0.7
1975	7 929	4 386	827	1 892	823	4.7	0.9	2.0	0.9
1976	7 406	3 679	903	1 928	895	3.8	0.9	2.0	0.9
1977	6 991	3 166	909	1 963	953	3.2	0.9	2.0	1.0
1978	6 202	2 585	874	1 857	885	2.5	0.9	1.8	0.9
1979	6 137	2 635	880	1 806	817	2.5	0.8	1.7	0.8
1980	7 637	3 947	891	1 927	872	3.7	0.8	1.8	0.8
1981	8 273	4 267	923	2 102	981	3.9	0.8	1.9	0.9
1982	10 678	6 268	840	2 384	1 185	5.7	0.8	2.2	1.1
1983	10 717	6 258	830	2 412	1 216	5.6	0.7	2.2	1.1
1984	8 539	4 421	823	2 184	1 110	3.9	0.7	1.9	1.0
1985	8 312	4 139	877	2 256	1 039	3.6	0.8	2.0	0.9
1986	8 237	4 033	1 015	2 160	1 029	3.4	0.9	1.8	0.9
1987	7 425	3 566	965	1 974	920	3.0	0.8	1.6	0.8
1988	6 701	3 092	983	1 809	816	2.5	0.8	1.5	0.7
1989	6 528	2 983	1 024	1 843	677	2.4	0.8	1.5	0.5
1990	7 047	3 387	1 041	1 930	688	2.7	0.8	1.5	0.5
1991	8 628	4 694	1 004	2 139	792	3.7	0.8	1.7	0.6
1992	9 613	5 389	1 002	2 285	937	4.2	0.8	1.8	0.7
1993	8 940	4 848	976	2 198	919	3.8	0.8	1.7	0.7
1994	7 996	3 815	791	2 786	604	2.9	0.6	2.1	0.5
1995	7 404	3 476	824	2 525	579	2.6	0.6	1.9	0.4
1996	7 236	3 370	774	2 512	580	2.5	0.6	1.9	0.4
1997	6 739	3 037	795	2 338	569	2.2	0.6	1.7	0.4
1998	6 210	2 822	734	2 132	520	2.1	0.5	1.5	0.4
1999	5 880	2 622	783	2 005	469	1.9	0.6	1.4	0.3
2000	5 692	2 517	780	1 961	434	1.8	0.5	1.4	0.3
2001	6 801	3 476	835	2 031	459	2.4	0.6	1.4	0.3
2002	8 378	4 607	866	2 368	536	3.2	0.6	1.6	0.4
2003	8 774	4 838	818	2 477	641	3.3	0.6	1.7	0.4
MEN, 20 YEARS AND OVER									
1970	1 638	1 066	209	318	44	2.2	0.4	0.7	0.1
1971	2 097	1 391	239	411	57	2.9	0.5	0.9	0.1
1972	1 948	1 219	248	420	60	2.5	0.5	0.9	0.1
1973	1 624	959	258	350	56	1.9	0.5	0.7	0.1
1974	1 957	1 276	276	356	48	2.5	0.5	0.7	0.1
1975	3 476	2 598	298	506	76	5.0	0.6	1.0	0.1
1976	3 098	2 167	323	521	86	4.1	0.6	1.0	0.2
1977	2 794	1 816	335	540	103	3.4	0.6	1.0	0.2
1978	2 328	1 433	337	471	86	2.6	0.6	0.9	0.2
1979	2 308	1 464	325	446	73	2.6	0.6	0.8	0.1
1980	3 353	2 389	359	516	90	4.2	0.6	0.9	0.2
1981	3 615	2 565	356	592	102	4.5	0.6	1.0	0.2
1982	5 089	3 965	327	678	119	6.8	0.6	1.2	0.2
1983	5 257	4 088	336	695	138	6.9	0.6	1.2	0.2
1984	3 932	2 800	324	663	146	4.7	0.5	1.1	0.2
1985	3 715	2 568	352	671	124	4.3	0.6	1.1	0.2
1986	3 751	2 568	444	611	128	4.1	0.7	1.0	0.2
1987	3 369	2 289	413	558	108	3.7	0.7	0.9	0.2
1988	2 987	1 939	416	534	98	3.1	0.7	0.9	0.2
1989	2 867	1 843	394	541	88	2.9	0.6	0.8	0.1
1990	3 239	2 100	431	626	82	3.2	0.7	1.0	0.1
1991	4 195	2 982	411	698	105	4.6	0.6	1.1	0.2
1992	4 717	3 420	421	765	111	5.2	0.6	1.2	0.2
1993	4 287	2 996	429	747	114	4.5	0.6	1.1	0.2
1994	3 627	2 296	367	898	65	3.4	0.5	1.3	0.1
1995	3 239	2 051	356	775	57	3.0	0.5	1.2	0.1
1996	3 146	2 043	322	731	51	3.0	0.5	1.1	0.1
1997	2 882	1 795	358	675	55	2.6	0.5	1.0	0.1
1998	2 580	1 588	318	611	63	2.3	0.5	0.9	0.1
1999	2 433	1 459	336	592	46	2.1	0.5	0.8	0.1
2000	2 376	1 416	328	577	55	2.0	0.5	0.8	0.1
2001	3 040	1 999	372	612	56	2.7	0.5	0.8	0.1
2002	3 896	2 702	386	743	65	3.7	0.5	1.0	0.1
2003	4 209	2 899	376	846	88	3.9	0.5	1.1	0.1

Table 1-39. Unemployed Persons and Unemployment Rates by Sex, Age, and Reason for Unemployment, 1970–2003—Continued

(Thousands of people, percent.)

Year and sex	Number of unemployed					Unemployed as a percent of the total civilian labor force			
	Total	Job losers	Job leavers	Entrants		Job losers	Job leavers	Entrants	
				Reentrants	New entrants			Reentrants	New entrants
WOMEN, 20 YEARS AND OVER									
1970	1 349	546	214	531	58	1.9	0.8	1.9	0.2
1971	1 658	700	235	651	72	2.5	0.8	2.3	0.2
1972	1 625	641	264	641	80	2.2	0.9	2.1	0.3
1973	1 507	522	280	625	80	1.6	0.9	2.0	0.3
1974	1 777	685	319	673	100	2.1	1.0	2.1	0.3
1975	2 684	1 339	375	858	114	4.0	1.1	2.6	0.3
1976	2 588	1 124	427	912	126	3.2	1.2	2.6	0.4
1977	2 535	1 031	419	945	140	2.8	1.2	2.6	0.4
1978	2 292	852	371	930	138	2.2	1.0	2.4	0.4
1979	2 276	851	370	908	145	2.1	0.9	2.3	0.4
1980	2 615	1 170	376	930	139	2.8	0.9	2.3	0.3
1981	2 895	1 317	404	1 023	151	3.1	1.0	2.4	0.4
1982	3 613	1 844	379	1 197	192	4.2	0.9	2.7	0.4
1983	3 632	1 801	384	1 235	212	4.0	0.9	2.8	0.5
1984	3 107	1 350	386	1 151	220	2.9	0.8	2.5	0.5
1985	3 129	1 296	412	1 195	227	2.7	0.9	2.5	0.5
1986	3 032	1 225	426	1 175	206	2.5	0.9	2.4	0.4
1987	2 709	1 067	406	1 041	194	2.2	0.8	2.1	0.4
1988	2 487	946	408	965	168	1.9	0.8	1.9	0.3
1989	2 467	942	430	958	137	1.8	0.8	1.8	0.3
1990	2 596	1 054	429	966	146	2.0	0.8	1.8	0.3
1991	3 074	1 423	413	1 075	163	2.6	0.8	2.0	0.3
1992	3 469	1 710	433	1 142	183	3.1	0.8	2.1	0.3
1993	3 288	1 619	395	1 098	176	2.9	0.7	2.0	0.3
1994	3 049	1 334	339	1 253	122	2.4	0.6	2.2	0.2
1995	2 819	1 211	366	1 135	107	2.1	0.6	2.0	0.2
1996	2 783	1 145	361	1 156	120	2.0	0.6	2.0	0.2
1997	2 585	1 069	333	1 057	126	1.8	0.6	1.8	0.2
1998	2 424	1 053	330	944	97	1.8	0.6	1.6	0.2
1999	2 285	990	333	866	96	1.6	0.5	1.4	0.2
2000	2 235	943	343	868	80	1.5	0.6	1.4	0.1
2001	2 599	1 291	365	850	92	2.0	0.6	1.3	0.1
2002	3 228	1 708	389	1 028	102	2.7	0.6	1.6	0.2
2003	3 314	1 751	357	1 076	130	2.7	0.6	1.7	0.2
BOTH SEXES, 16 TO 19 YEARS									
1970	1 106	200	126	378	401	2.8	1.7	5.2	5.5
1971	1 262	233	117	410	501	3.1	1.6	5.5	6.7
1972	1 308	248	129	395	536	3.1	1.6	4.9	6.6
1973	1 235	212	146	364	513	2.4	1.7	4.3	6.0
1974	1 422	280	173	436	533	3.1	2.0	4.9	6.0
1975	1 767	450	155	529	634	5.1	1.7	6.0	7.1
1976	1 719	387	153	496	683	4.3	1.7	5.5	7.5
1977	1 663	318	156	477	711	3.4	1.7	5.1	7.6
1978	1 583	300	167	455	660	3.1	1.7	4.7	6.8
1979	1 555	319	184	452	599	3.3	1.9	4.7	6.2
1980	1 669	388	156	481	643	4.1	1.7	5.1	6.9
1981	1 763	385	162	487	728	4.3	1.8	5.4	8.1
1982	1 977	460	134	509	874	5.4	1.6	6.0	10.2
1983	1 829	370	110	482	867	4.6	1.3	5.9	10.6
1984	1 499	271	114	370	745	3.4	1.4	4.7	9.4
1985	1 468	275	113	390	689	3.5	1.4	4.9	8.7
1986	1 454	240	145	374	695	3.0	1.8	4.7	8.8
1987	1 347	210	146	375	617	2.7	1.8	4.7	7.7
1988	1 226	207	159	310	550	2.6	2.0	3.9	6.8
1989	1 194	198	200	345	452	2.5	2.5	4.3	5.7
1990	1 212	233	181	338	460	3.0	2.3	4.3	5.9
1991	1 359	289	180	365	524	4.0	2.5	5.0	7.2
1992	1 427	259	149	377	643	3.6	2.1	5.3	9.1
1993	1 365	233	151	353	628	3.3	2.1	4.9	8.8
1994	1 320	185	84	634	416	2.5	1.1	8.5	5.6
1995	1 346	214	102	615	415	2.8	1.3	7.9	5.3
1996	1 306	182	91	625	409	2.3	1.2	8.0	5.2
1997	1 271	174	104	606	388	2.2	1.3	7.6	4.9
1998	1 205	181	86	577	361	2.2	1.0	7.0	4.4
1999	1 162	173	114	547	328	2.1	1.4	6.6	3.9
2000	1 081	157	109	516	299	1.9	1.3	6.2	3.6
2001	1 162	185	98	568	311	2.3	1.2	7.2	3.9
2002	1 253	197	91	597	368	2.6	1.2	7.9	4.9
2003	1 251	188	85	554	424	2.6	1.2	7.7	5.9

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-40. Percentage of the Population with Work Experience During the Year by Sex and Age, 1987–2003

Year	Total	16 to 17 years	18 to 19 years	20 to 24 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 59 years	60 to 64 years	65 to 69 years	70 years and over
TOTAL											
1987	69.7	51.8	76.6	85.5	85.7	86.1	81.6	69.4	51.3	26.2	10.2
1988	70.2	50.6	75.5	85.7	86.0	86.8	82.2	70.5	52.2	27.9	10.3
1989	70.5	51.9	75.4	84.9	86.6	86.9	82.8	70.4	52.5	28.4	10.0
1990	70.2	48.6	74.2	84.1	86.2	87.0	82.8	70.9	53.4	28.3	10.2
1991	69.5	43.4	70.8	83.4	85.9	86.6	83.0	70.3	52.9	27.2	9.8
1992	69.1	43.8	69.9	82.7	85.2	85.9	82.8	70.8	53.5	25.5	9.8
1993	69.2	42.1	70.4	82.0	85.0	85.3	82.8	71.6	51.6	27.5	10.7
1994	69.6	44.1	71.5	82.5	85.5	85.6	83.8	72.2	52.8	27.5	10.0
1995	69.6	44.4	71.2	82.0	85.6	85.9	83.4	72.2	53.3	28.0	10.2
1996	69.9	43.3	70.5	83.1	86.1	85.7	84.3	73.3	54.3	27.8	10.4
1997	70.1	43.6	70.5	83.0	87.1	85.9	84.4	73.8	53.8	28.5	10.0
1998	70.1	42.1	69.9	82.9	86.7	86.3	84.2	73.7	54.5	29.2	10.6
1999	70.7	43.7	71.2	82.7	87.3	86.9	85.0	72.3	55.8	30.5	11.6
2000	70.5	42.2	69.6	82.6	87.1	87.0	84.6	72.9	55.1	30.8	11.4
2001	69.4	37.7	66.7	80.8	86.1	85.8	83.7	73.5	56.7	30.6	10.5
2002	68.5	34.5	62.8	78.5	84.4	85.0	83.7	74.7	56.8	33.1	10.4
2003	67.8	32.0	61.7	77.5	83.7	84.0	82.9	73.9	56.5	33.2	11.4
MEN											
1987	78.9	52.4	77.4	90.4	94.3	94.1	91.9	83.3	63.2	34.2	15.4
1988	79.1	51.8	78.9	90.7	94.3	94.6	91.6	82.1	63.1	35.6	15.6
1989	79.4	53.2	77.7	89.9	94.7	94.7	91.9	82.0	64.2	35.4	15.1
1990	78.9	50.3	76.7	88.7	94.4	94.7	91.3	82.0	65.8	35.8	14.0
1991	77.9	45.4	72.2	87.9	93.5	93.6	91.3	81.5	63.6	35.0	14.4
1992	77.4	46.6	73.7	87.1	93.3	92.8	89.9	80.9	63.2	32.4	14.3
1993	76.8	43.9	71.4	86.6	92.5	92.0	89.3	79.8	59.1	34.3	15.3
1994	77.2	44.4	74.7	87.2	92.9	92.0	90.0	81.3	61.4	33.9	14.8
1995	77.0	43.7	73.6	86.4	92.6	92.2	89.7	81.5	62.1	34.5	14.9
1996	77.2	44.1	71.8	86.7	93.4	92.1	90.4	81.8	62.5	33.6	15.2
1997	77.1	43.4	70.3	86.6	94.1	92.3	90.7	81.4	62.9	33.8	13.9
1998	76.9	40.4	71.6	86.4	93.5	92.7	90.1	81.7	63.5	35.5	14.7
1999	77.3	44.7	72.3	85.5	93.9	93.2	89.9	79.2	65.1	37.4	16.5
2000	77.1	42.1	70.2	85.1	93.4	93.6	89.8	80.6	64.4	38.4	16.0
2001	76.3	37.4	67.7	84.8	93.2	92.2	89.1	80.4	64.3	37.8	14.5
2002	75.2	34.7	62.8	82.1	91.6	91.8	88.9	80.7	64.3	39.3	14.6
2003	74.3	32.8	61.7	80.2	90.8	90.9	87.7	80.9	63.1	37.3	15.8
WOMEN											
1987	61.3	51.1	75.8	81.0	77.3	78.5	71.9	56.7	41.0	19.6	6.8
1988	62.1	49.3	72.2	81.0	78.1	79.4	73.5	60.0	42.5	21.4	6.8
1989	62.3	50.6	73.1	80.2	78.6	79.3	74.2	59.9	42.4	22.5	6.7
1990	62.2	46.8	71.7	79.6	78.0	79.6	74.9	60.4	42.5	22.1	7.7
1991	61.8	41.4	69.4	79.0	78.3	79.9	75.3	59.9	43.6	20.6	6.7
1992	61.5	40.9	66.1	78.4	77.2	79.1	76.1	61.5	44.4	20.0	6.7
1993	62.1	40.3	69.4	77.5	77.6	78.7	76.5	63.9	44.7	22.1	7.7
1994	62.5	43.7	68.4	77.8	78.1	79.4	78.0	63.9	45.0	22.2	6.8
1995	62.8	45.2	68.7	77.7	78.8	79.8	77.6	63.2	45.6	22.4	7.1
1996	63.2	42.5	69.2	79.5	78.9	79.5	78.4	65.4	46.9	23.0	7.1
1997	63.6	43.9	70.7	79.5	80.1	79.6	78.4	66.7	45.6	24.0	7.3
1998	63.7	44.1	68.2	79.4	80.1	80.0	78.6	66.3	46.2	23.8	7.8
1999	64.5	42.6	70.1	79.9	80.9	80.7	80.3	66.2	47.3	24.4	8.2
2000	64.3	42.3	69.0	80.2	80.9	80.5	79.5	65.7	47.0	23.9	8.2
2001	63.1	38.1	65.7	76.9	79.2	79.5	78.6	67.1	49.8	24.2	7.9
2002	62.3	34.3	62.8	74.9	77.2	78.4	78.7	69.1	50.0	27.8	7.4
2003	61.7	31.2	61.6	74.6	76.6	77.2	78.4	67.3	50.7	29.6	8.3

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-41. Persons with Work Experience During the Year by Industry and Class of Worker of Job Held the Longest, 2002–2003

(Thousands of people.)

Industry and class of worker	2002	2003
TOTAL	151 546	151 553
Agriculture	2 490	2 521
Wage and salary workers	1 583	1 605
Self-employed workers	875	894
Unpaid family workers	33	22
Nonagricultural industries	149 055	149 032
Wage and salary workers	139 909	139 747
Mining	594	576
Construction	9 488	9 423
Manufacturing	17 660	...
Durable goods	11 013	10 622
Nondurable goods	6 647	6 727
Wholesale and retail trade	21 615	21 650
Wholesale trade	4 402	4 691
Retail trade	17 213	16 959
Transportation and utilities	7 039	6 934
Transportation and warehousing	5 745	5 736
Utilities	1 294	1 198
Information	3 989	3 755
Financial activities	9 591	9 822
Finance and insurance	6 986	7 135
Real Estate and rental and leasing	2 605	2 687
Professional and business services	13 883	13 485
Professional, scientific and technical	7 989	7 855
Management, admin, and waste management	5 894	5 629
Education and health services	29 343	29 571
Educational services	12 765	13 026
Health care and social assistance	16 578	16 544
Leisure and hospitality	13 260	13 110
Arts, entertainment and recreation	2 852	2 789
Accommodation and food services	10 408	10 321
Other services and private household	6 416	6 529
Private households	873	897
Public administration	6 290	6 734
Self-employed workers	9 023	9 169
Unpaid family workers	124	116

Note: See "Notes and Definitions" for information on historical comparability.

... = Not available.

Table 1-42. Number of Persons with Work Experience During the Year by Sex and Extent of Employment, 1987-2003

(Thousands of people.)

Year and sex	Total	Full-time				Part-time			
		Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks
TOTAL									
1987	128 315	100 288	77 015	13 361	9 912	28 027	10 973	6 594	10 460
1988	130 451	102 131	79 627	12 875	9 629	28 320	11 384	6 624	10 312
1989	132 817	104 876	81 117	14 271	9 488	27 941	11 275	6 987	9 679
1990	133 535	105 323	80 932	14 758	9 633	28 212	11 507	7 012	9 693
1991	133 410	104 472	80 385	14 491	9 596	28 938	11 946	7 003	9 989
1992	133 912	104 813	81 523	13 587	9 703	29 099	12 326	6 841	9 932
1993	136 354	106 299	83 384	13 054	9 861	30 055	12 818	6 777	10 460
1994	138 468	108 141	85 764	13 051	9 326	30 327	12 936	6 956	10 435
1995	139 724	110 063	88 173	12 970	8 920	29 661	12 725	6 831	10 105
1996	142 201	112 313	90 252	12 997	9 064	29 888	13 382	6 643	9 863
1997	143 968	113 879	92 631	12 508	8 740	30 089	13 810	6 565	9 714
1998	145 566	116 412	95 772	12 156	8 484	29 155	13 538	6 480	9 137
1999	148 295	119 096	97 941	12 294	8 861	29 199	13 680	6 317	9 202
2000	149 361	120 591	100 349	12 071	8 171	28 770	13 865	6 161	8 744
2001	151 042	121 921	100 357	13 172	8 392	29 121	14 038	6 139	8 944
2002	151 546	121 726	100 659	12 544	8 523	29 819	14 635	6 184	9 000
2003	151 553	121 158	100 700	11 972	8 486	30 395	15 333	6 027	9 035
MEN									
1987	69 144	59 736	47 040	7 503	5 193	9 408	3 260	2 191	3 957
1988	70 021	60 504	48 299	7 329	4 876	9 517	3 468	2 199	3 850
1989	71 640	62 108	49 693	7 642	4 773	9 532	3 619	2 254	3 659
1990	71 953	62 319	49 175	8 188	4 956	9 634	3 650	2 322	3 662
1991	71 700	61 636	47 895	8 324	5 417	10 064	3 820	2 342	3 902
1992	72 007	61 722	48 300	7 965	5 457	10 285	3 864	2 354	4 067
1993	72 872	62 513	49 832	7 317	5 364	10 359	4 005	2 144	4 210
1994	73 958	63 634	51 582	7 094	4 958	10 324	3 948	2 358	4 018
1995	74 381	64 145	52 671	6 973	4 501	10 236	4 034	2 257	3 945
1996	75 760	65 356	53 795	6 891	4 670	10 404	4 321	2 136	3 947
1997	76 408	66 089	54 918	6 638	4 533	10 319	4 246	2 274	3 799
1998	76 918	67 250	56 953	6 208	4 089	9 669	4 197	2 090	3 382
1999	78 145	68 347	57 520	6 401	4 426	9 797	4 297	2 062	3 438
2000	78 804	68 925	58 756	6 094	4 075	9 879	4 485	1 957	3 437
2001	79 971	70 074	58 715	7 087	4 272	9 897	4 306	1 989	3 602
2002	80 282	70 132	58 765	6 804	4 563	10 151	4 519	2 042	3 590
2003	80 317	69 766	58 778	6 479	4 509	10 551	5 042	1 872	3 637
WOMEN									
1987	59 171	40 552	29 975	5 858	4 719	18 619	7 713	4 403	6 503
1988	60 430	41 627	31 328	5 546	4 753	18 803	7 916	4 425	6 462
1989	61 178	42 768	31 424	6 629	4 715	18 410	7 656	4 733	6 021
1990	61 582	43 004	31 757	6 570	4 677	18 578	7 857	4 690	6 031
1991	61 712	42 837	32 491	6 167	4 179	18 875	8 126	4 662	6 087
1992	61 904	43 090	33 223	5 621	4 246	18 814	8 462	4 487	5 865
1993	63 481	43 785	33 552	5 736	4 497	19 696	8 813	4 633	6 250
1994	64 511	44 508	34 182	5 957	4 369	20 003	8 988	4 598	6 417
1995	65 342	45 917	35 502	5 997	4 418	19 425	8 691	4 574	6 160
1996	66 439	46 955	36 457	6 105	4 393	19 484	9 061	4 507	5 916
1997	67 559	47 790	37 713	5 870	4 207	19 769	9 564	4 291	5 914
1998	68 648	49 162	38 819	5 948	4 395	19 486	9 341	4 390	5 755
1999	70 150	50 748	40 421	5 892	4 435	19 402	9 383	4 255	5 764
2000	70 556	51 665	41 593	5 977	4 095	18 891	9 380	4 204	5 307
2001	71 071	51 848	41 642	6 085	4 120	19 223	9 731	4 150	5 342
2002	71 263	51 593	41 893	5 741	3 959	19 671	10 117	4 143	5 411
2003	71 236	51 391	41 921	5 493	3 977	19 844	10 291	4 155	5 398

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-43. Percentage Distribution of the Population with Work Experience During the Year by Sex and Extent of Employment, 1987–2003

(Percent of total people with work experience.)

Year and sex	Total	Full-time				Part-time			
		Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks	Total	50 to 52 weeks	27 to 49 weeks	1 to 26 weeks
TOTAL									
1987	100.0	78.1	60.0	10.4	7.7	21.9	8.6	5.1	8.2
1988	100.0	78.3	61.0	9.9	7.4	21.7	8.7	5.1	7.9
1989	100.0	78.9	61.1	10.7	7.1	21.1	8.5	5.3	7.3
1990	100.0	78.9	60.6	11.1	7.2	21.2	8.6	5.3	7.3
1991	100.0	78.4	60.3	10.9	7.2	21.7	9.0	5.2	7.5
1992	100.0	78.2	60.9	10.1	7.2	21.7	9.2	5.1	7.4
1993	100.0	78.0	61.2	9.6	7.2	22.1	9.4	5.0	7.7
1994	100.0	78.0	61.9	9.4	6.7	21.8	9.3	5.0	7.5
1995	100.0	78.8	63.1	9.3	6.4	21.2	9.1	4.9	7.2
1996	100.0	79.0	63.5	9.1	6.4	21.0	9.4	4.7	6.9
1997	100.0	79.1	64.3	8.7	6.1	20.9	9.6	4.6	6.7
1998	100.0	80.0	65.8	8.4	5.8	20.1	9.3	4.5	6.3
1999	100.0	80.3	66.0	8.3	6.0	19.7	9.2	4.3	6.2
2000	100.0	80.8	67.2	8.1	5.5	19.3	9.3	4.1	5.9
2001	100.0	80.7	66.4	8.7	5.6	19.3	9.3	4.1	5.9
2002	100.0	80.3	66.4	8.3	5.6	19.7	9.7	4.1	5.9
2003	100.0	79.9	66.4	7.9	5.6	20.1	10.1	4.0	6.0
MEN									
1987	100.0	86.4	68.0	10.9	7.5	13.6	4.7	3.2	5.7
1988	100.0	86.5	69.0	10.5	7.0	13.6	5.0	3.1	5.5
1989	100.0	86.8	69.4	10.7	6.7	13.3	5.1	3.1	5.1
1990	100.0	86.6	68.3	11.4	6.9	13.4	5.1	3.2	5.1
1991	100.0	86.0	66.8	11.6	7.6	14.0	5.3	3.3	5.4
1992	100.0	85.8	67.1	11.1	7.6	14.3	5.4	3.3	5.6
1993	100.0	85.8	68.4	10.0	7.4	14.2	5.5	2.9	5.8
1994	100.0	86.0	69.7	9.6	6.7	13.9	5.3	3.2	5.4
1995	100.0	86.3	70.8	9.4	6.1	13.7	5.4	3.0	5.3
1996	100.0	86.3	71.0	9.1	6.2	13.7	5.7	2.8	5.2
1997	100.0	86.5	71.9	8.7	5.9	13.6	5.6	3.0	5.0
1998	100.0	87.4	74.0	8.1	5.3	12.6	5.5	2.7	4.4
1999	100.0	87.5	73.6	8.2	5.7	12.5	5.5	2.6	4.4
2000	100.0	87.5	74.6	7.7	5.2	12.6	5.7	2.5	4.4
2001	100.0	87.6	73.4	8.9	5.3	12.4	5.4	2.5	4.5
2002	100.0	87.4	73.2	8.5	5.7	12.6	5.6	2.5	4.5
2003	100.0	86.9	73.2	8.1	5.6	13.1	6.3	2.3	4.5
WOMEN									
1987	100.0	68.6	50.7	9.9	8.0	31.4	13.0	7.4	11.0
1988	100.0	68.9	51.8	9.2	7.9	31.1	13.1	7.3	10.7
1989	100.0	69.9	51.4	10.8	7.7	30.0	12.5	7.7	9.8
1990	100.0	69.9	51.6	10.7	7.6	30.2	12.8	7.6	9.8
1991	100.0	69.4	52.6	10.0	6.8	30.7	13.2	7.6	9.9
1992	100.0	69.7	53.7	9.1	6.9	30.4	13.7	7.2	9.5
1993	100.0	69.0	52.9	9.0	7.1	31.0	13.9	7.3	9.8
1994	100.0	69.0	53.0	9.2	6.8	30.9	13.9	7.1	9.9
1995	100.0	70.3	54.3	9.2	6.8	29.7	13.3	7.0	9.4
1996	100.0	70.7	54.9	9.2	6.6	29.3	13.6	6.8	8.9
1997	100.0	70.7	55.8	8.7	6.2	29.4	14.2	6.4	8.8
1998	100.0	71.6	56.5	8.7	6.4	28.4	13.6	6.4	8.4
1999	100.0	72.3	57.6	8.4	6.3	27.7	13.4	6.1	8.2
2000	100.0	73.2	58.9	8.5	5.8	26.8	13.3	6.0	7.5
2001	100.0	73.0	58.6	8.6	5.8	27.0	13.7	5.8	7.5
2002	100.0	72.5	58.8	8.1	5.6	27.6	14.2	5.8	7.6
2003	100.0	72.1	58.8	7.7	5.6	27.8	14.4	5.8	7.6

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-44. Extent of Unemployment During the Year by Sex, 1991–2003

(Thousands of people, percent.)

Sex and extent of unemployment	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL													
Total Who Worked Or Looked For Work	135826	136654	139786	141325	142413	144528	146096	147295	149798	150786	153056	154205	154315
Percent with unemployment	15.7	15.7	14.7	13.4	12.7	11.6	10.7	9.5	8.7	8.1	10.4	10.9	10.7
Total With Unemployment	21 276	21 455	20 527	18 966	18 067	16 789	15 637	14 044	13 068	12 269	15 843	16 824	16 462
Did not work but looked for work	2 415	2 742	3 432	2 857	2 690	2 329	2 129	1 729	1 503	1 425	2 014	2 660	2 762
Worked during the year	18 861	18 714	17 094	16 109	15 377	14 460	13 508	12 316	11 566	10 845	13 829	14 164	13 699
Year-round workers with 1 or 2 weeks of unemployment ..	966	871	688	746	715	589	611	630	562	573	602	584	534
Part-year workers with unemployment	17 895	17 843	16 406	15 363	14 662	13 871	12 897	11 686	11 004	10 272	13 227	13 580	13 165
1 to 4 weeks	3 224	2 944	2 626	2 788	2 812	2 550	2 582	2 323	2 361	2 233	2 368	2 002	1 839
5 to 10 weeks	3 655	3 496	2 898	2 983	2 725	2 671	2 601	2 495	2 218	2 014	2 557	2 373	2 264
11 to 14 weeks	2 587	2 574	2 300	2 265	2 147	2 020	1 822	1 701	1 594	1 505	2 038	1 970	1 749
15 to 26 weeks	4 927	4 877	4 549	4 158	4 013	3 662	3 378	3 019	2 803	2 641	3 683	3 848	3 778
27 weeks or more	3 502	3 952	4 033	3 169	2 965	2 968	2 514	2 148	2 028	1 879	2 582	3 387	3 535
With 2 spells or more of unemployment	5 864	5 734	5 338	4 783	4 468	4 237	4 044	3 628	3 225	3 079	3 421	3 226	3 093
2 spells	2 738	2 698	2 572	2 207	1 963	1 982	1 853	1 650	1 449	1 397	1 643	1 556	1 585
3 spells or more	3 126	3 036	2 766	2 576	2 505	2 255	2 191	1 978	1 776	1 682	1 779	1 670	1 508
MEN													
Total Who Worked Or Looked For Work	72 909	73 387	74 516	75 244	75 698	76 786	77 385	77 704	78 905	79 546	80 975	81 651	81 804
Percent with unemployment	17.3	17.5	15.7	14.1	13.2	11.9	11.1	9.4	9.0	8.6	11.0	11.8	11.4
Total With Unemployment	12 642	12 844	11 723	10 582	9 996	9 157	8 604	7 284	7 091	6 806	8 928	9 621	9 339
Did not work but looked for work	1 210	1 379	1 641	1 286	1 317	1 026	978	787	760	742	1 004	1 369	1 487
Worked during the year	11 432	11 466	10 082	9 296	8 679	8 130	7 626	6 497	6 332	6 064	7 924	8 252	7 854
Year-round workers with 1 or 2 weeks of unemployment ..	612	567	449	527	462	395	382	386	373	379	421	365	359
Part-year workers with unemployment	10 820	10 899	9 633	8 769	8 217	7 735	7 244	6 111	5 959	5 685	7 502	7 887	7 495
1 to 4 weeks	1 591	1 563	1 343	1 365	1 398	1 272	1 275	1 085	1 166	1 070	1 247	1 075	958
5 to 10 weeks	2 111	2 039	1 647	1 666	1 434	1 478	1 474	1 363	1 168	1 135	1 446	1 342	1 314
11 to 14 weeks	1 659	1 615	1 354	1 370	1 253	1 258	1 068	980	937	880	1 207	1 186	1 039
15 to 26 weeks	3 206	3 165	2 862	2 449	2 439	2 076	1 949	1 585	1 655	1 595	2 191	2 282	2 178
27 weeks or more	2 253	2 517	2 427	1 919	1 693	1 651	1 478	1 098	1 033	1 005	1 412	2 002	2 006
With 2 spells or more of unemployment	3 886	3 889	3 451	2 940	2 793	2 554	2 437	2 014	1 845	1 809	2 100	1 920	1 882
2 spells	1 742	1 781	1 580	1 266	1 110	1 109	1 078	880	787	804	1 002	914	946
3 spells or more	2 144	2 108	1 871	1 674	1 683	1 445	1 359	1 134	1 058	1 005	1 099	1 006	936
WOMEN													
Total Who Worked Or Looked For Work	62 917	63 267	65 270	66 081	66 716	67 742	68 710	69 591	70 893	71 240	72 081	72 554	72 511
Percent with unemployment	13.7	13.6	13.5	12.7	12.1	11.3	10.2	9.7	8.4	7.7	9.6	9.9	9.8
Total With Unemployment	8 634	8 611	8 804	8 383	8 070	7 632	7 033	6 760	5 976	5 463	6 915	7 203	7 123
Did not work but looked for work	1 205	1 363	1 791	1 570	1 373	1 303	1 151	942	743	683	1 010	1 291	1 275
Worked during the year	7 427	7 247	7 014	6 813	6 696	6 330	5 882	5 816	5 234	4 779	5 905	5 913	5 848
Year-round workers with 1 or 2 weeks of unemployment ..	354	304	239	219	253	194	229	243	189	193	180	220	176
Part-year workers with unemployment	7 073	6 943	6 775	6 594	6 443	6 136	5 653	5 573	5 045	4 586	5 725	5 693	5 672
1 to 4 weeks	1 633	1 380	1 284	1 422	1 413	1 279	1 307	1 237	1 194	1 164	1 121	927	882
5 to 10 weeks	1 544	1 457	1 252	1 317	1 291	1 192	1 127	1 131	1 050	878	1 111	1 031	950
11 to 14 weeks	927	959	946	896	893	762	754	721	657	625	831	784	710
15 to 26 weeks	1 720	1 712	1 687	1 708	1 574	1 586	1 429	1 434	1 148	1 045	1 492	1 566	1 600
27 weeks or more	1 249	1 435	1 606	1 251	1 272	1 317	1 036	1 050	996	874	1 170	1 385	1 530
With 2 spells or more of unemployment	1 979	1 844	1 887	1 843	1 675	1 682	1 607	1 614	1 379	1 270	1 321	1 306	1 211
2 spells	997	916	992	941	853	872	775	770	662	593	641	642	639
3 spells or more	982	928	895	902	822	810	832	844	717	677	680	664	572

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-45. Percentage Distribution of Persons with Unemployment During the Year by Sex and Extent of Unemployment, 1991–2003

Sex and extent of unemployment	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL													
Total With Unemployment Who Worked During The Year	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round workers with 1 or 2 weeks of unemployment	5.1	4.7	4.0	4.6	4.6	4.1	4.5	5.1	4.9	5.3	4.4	4.1	3.9
Part-year workers with unemployment	94.8	95.4	96.1	95.4	95.4	96.0	95.5	95.0	95.1	94.8	95.6	95.9	96.1
1 to 4 weeks	17.1	15.7	15.4	17.3	18.3	17.6	19.1	18.9	20.4	20.6	17.1	14.1	13.4
5 to 10 weeks	19.4	18.7	17.0	18.5	17.7	18.5	19.3	20.3	19.2	18.6	18.5	16.8	16.5
11 to 14 weeks	13.7	13.8	13.5	14.1	14.0	14.0	13.5	13.8	13.8	13.9	14.7	13.9	12.8
15 to 26 weeks	26.1	26.1	26.6	25.8	26.1	25.3	25.0	24.5	24.2	24.4	26.6	27.2	27.6
27 weeks or more	18.5	21.1	23.6	19.7	19.3	20.6	18.6	17.5	17.5	17.3	18.7	23.9	25.8
With 2 spells or more of unemployment	31.1	30.6	31.2	29.7	29.1	29.3	29.9	29.5	27.9	28.4	24.8	22.8	22.6
2 spells	14.5	14.4	15.0	13.7	12.8	13.7	13.7	13.4	12.5	12.9	11.9	11.0	11.6
3 spells or more	16.6	16.2	16.2	16.0	16.3	15.6	16.2	16.1	15.4	15.5	12.9	11.8	11.0
MEN													
Total With Unemployment Who Worked During The Year	100.0	100.0	99.9	100.0	100.0	100.0	100.1	100.0	99.9	99.9	100.0	100.0	100.0
Year-round workers with 1 or 2 weeks of unemployment	5.4	4.9	4.4	5.7	5.3	4.9	5.0	5.9	5.9	6.3	5.3	4.4	4.6
Part-year workers with unemployment	94.6	95.0	95.5	94.3	94.7	95.1	95.1	94.1	94.0	93.6	94.7	95.6	95.4
1 to 4 weeks	13.9	13.6	13.3	14.7	16.1	15.6	16.7	16.7	18.4	17.6	15.7	13.0	12.2
5 to 10 weeks	18.5	17.8	16.3	17.9	16.5	18.2	19.3	21.0	18.4	18.7	18.2	16.3	16.7
11 to 14 weeks	14.5	14.1	13.4	14.7	14.4	15.5	14.0	15.1	14.8	14.5	15.2	14.4	13.2
15 to 26 weeks	28.0	27.6	28.4	26.4	28.1	25.5	25.6	24.4	26.1	26.3	27.6	27.7	27.7
27 weeks or more	19.7	21.9	24.1	20.6	19.5	20.3	19.4	16.9	16.3	16.5	17.8	24.3	25.5
With 2 spells or more of unemployment	34.0	33.9	34.3	31.6	32.2	31.4	31.9	31.0	29.1	29.9	26.5	23.3	24.0
2 spells	15.2	15.5	15.7	13.6	12.8	13.6	14.1	13.5	12.4	13.3	12.6	11.1	12.1
3 spells or more	18.8	18.4	18.6	18.0	19.4	17.8	17.8	17.5	16.7	16.6	13.9	12.2	11.9
WOMEN													
Total With Unemployment Who Worked During The Year	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Year-round workers with 1 or 2 weeks of unemployment	4.8	4.2	3.4	3.2	3.8	3.1	3.9	4.2	3.6	4.0	3.1	3.7	3.0
Part-year workers with unemployment	95.3	95.7	96.6	96.7	96.2	96.9	96.1	95.8	96.4	96.0	96.9	96.3	97.0
1 to 4 weeks	22.0	19.0	18.3	20.9	21.1	20.2	22.2	21.3	22.8	24.3	19.0	15.7	15.1
5 to 10 weeks	20.8	20.1	17.8	19.3	19.3	18.8	19.2	19.4	20.1	18.4	18.8	17.4	16.2
11 to 14 weeks	12.5	13.2	13.5	13.1	13.3	12.0	12.8	12.4	12.6	13.1	14.1	13.3	12.1
15 to 26 weeks	23.2	23.6	24.1	25.1	23.5	25.1	24.3	24.7	21.9	21.9	25.3	26.5	27.4
27 weeks or more	16.8	19.8	22.9	18.3	19.0	20.8	17.6	18.0	19.0	18.3	19.8	23.4	26.2
With 2 spells or more of unemployment	26.6	25.4	26.9	27.0	25.0	26.6	27.3	27.7	26.3	26.6	22.4	22.1	20.7
2 spells	13.4	12.6	14.1	13.8	12.7	13.8	13.2	13.2	12.6	12.4	10.9	10.9	10.9
3 spells or more	13.2	12.8	12.8	13.2	12.3	12.8	14.1	14.5	13.7	14.2	11.5	11.2	9.8

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-46. Number and Median Annual Earnings of Year-Round Full-Time Wage and Salary Workers by Age, Sex, and Race, 1990–2003

(Thousands of people, dollars.)

Age, sex and race	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
NUMBER														
Total, 16 Years And Over	74 728	74 449	75 517	77 427	79 875	83 407	85 611	86 905	89 748	91 722	94 359	94 531	94 526	94 731
16 to 24 years	6 978	6 571	6 224	6 685	6 684	6 892	6 809	7 063	7 618	7 631	8 384	7 989	7 903	7 631
25 to 44 years	45 086	44 811	45 022	45 951	47 150	48 695	49 225	49 513	50 264	50 532	51 159	49 939	49 120	48 343
25 to 34 years	23 201	22 541	22 469	22 637	23 193	23 310	23 071	23 186	23 048	22 952	23 044	22 744	22 657	22 512
35 to 44 years	21 885	22 270	22 553	23 314	23 957	25 385	26 154	26 327	27 216	27 580	28 115	27 195	26 463	25 831
45 to 54 years	14 070	14 718	15 652	16 424	17 366	18 436	19 714	20 109	21 274	22 375	23 307	23 855	23 999	24 507
55 to 64 years	7 458	7 219	7 590	7 208	7 500	8 122	8 455	8 901	9 273	9 594	9 870	10 948	11 584	12 207
65 years and over	1 137	1 130	1 029	1 159	1 174	1 263	1 408	1 318	1 318	1 590	1 639	1 800	1 921	2 042
Men, 16 Years And Over	44 574	43 523	43 894	45 494	47 255	49 334	50 407	50 772	52 509	53 132	54 477	54 630	54 420	54 575
16 to 24 years	3 982	3 596	3 457	3 853	3 918	4 094	3 942	4 021	4 479	4 347	4 602	4 605	4 570	4 421
25 to 44 years	27 069	26 353	26 335	27 161	28 000	28 940	29 282	29 453	29 763	29 738	30 080	29 271	28 855	28 499
25 to 34 years	13 941	13 303	13 146	13 400	13 749	13 844	13 817	13 735	13 612	13 471	13 497	13 386	13 400	13 288
35 to 44 years	13 128	13 050	13 189	13 761	14 251	15 096	15 465	15 718	16 151	16 267	16 583	15 885	15 455	15 211
45 to 54 years	8 168	8 479	8 908	9 522	10 120	10 589	11 372	11 388	12 030	12 546	13 045	13 363	13 330	13 616
55 to 64 years	4 650	4 403	4 588	4 238	4 460	4 884	4 908	5 133	5 438	5 498	5 693	6 253	6 502	6 872
65 years and over	705	694	606	719	757	827	903	775	801	1 003	1 057	1 138	1 163	1 165
Women, 16 Years And Over	30 155	30 925	31 622	31 933	32 619	34 073	35 203	36 133	37 239	38 591	39 887	39 901	40 106	40 156
16 to 24 years	2 995	2 976	2 767	2 832	2 767	2 798	2 867	3 041	3 140	3 285	3 782	3 384	3 333	3 210
25 to 44 years	18 017	18 458	18 688	18 790	19 150	19 755	19 942	20 060	20 503	20 794	21 081	20 668	20 264	19 844
25 to 34 years	9 260	9 238	9 323	9 237	9 444	9 467	9 254	9 451	9 437	9 481	9 548	9 358	9 257	9 224
35 to 44 years	8 757	9 220	9 365	9 553	9 706	10 288	10 688	10 609	11 066	11 313	11 533	11 310	11 007	10 620
45 to 54 years	5 902	6 239	6 744	6 902	7 246	7 847	8 343	8 721	9 244	9 829	10 263	10 493	10 669	10 891
55 to 64 years	2 808	2 816	3 002	2 970	3 040	3 238	3 547	3 767	3 836	4 096	4 178	4 695	5 082	5 335
65 years and over	433	436	423	439	417	436	505	543	517	586	583	662	758	877
White, 16 Years And Over	64 128	63 926	64 706	65 656	67 370	70 430	72 068	72 650	75 046	76 203	77 790	78 306	77 632	77 545
Men	38 915	38 018	38 267	39 347	40 589	42 608	43 554	43 429	44 901	45 211	46 105	46 373	45 823	45 816
Women	25 213	25 908	26 439	26 309	26 782	27 822	28 514	29 221	30 145	30 992	31 685	31 933	31 809	31 729
Black, 16 Years And Over	8 027	7 941	7 995	8 478	9 074	9 446	9 706	10 248	10 532	11 145	11 899	11 001	10 966	10 979
Men	4 162	4 001	4 011	4 259	4 598	4 686	4 682	5 026	5 202	5 411	5 636	5 281	5 150	5 196
Women	3 865	3 940	3 984	4 219	4 476	4 759	5 024	5 222	5 329	5 734	6 264	5 720	5 816	5 783
MEDIAN ANNUAL EARNINGS														
Total, 16 Years And Over	24 000	25 000	25 871	26 000	26 620	27 000	28 000	30 000	30 000	31 000	32 000	34 000	35 000	35 000
16 to 24 years	14 400	14 100	15 000	15 000	15 000	15 500	15 600	16 000	18 000	18 000	19 000	20 000	20 000	20 000
25 to 44 years	22 000	23 000	24 000	24 000	24 480	25 000	25 300	27 000	28 500	30 000	30 000	31 000	31 800	32 000
25 to 34 years	27 970	28 000	29 483	30 000	30 000	30 000	31 000	32 000	33 000	34 992	35 000	36 000	37 000	39 000
35 to 44 years	28 000	29 000	30 000	30 500	32 343	32 000	33 000	35 000	35 000	36 000	38 000	39 500	40 000	40 000
45 to 54 years	26 000	27 000	27 430	28 000	30 000	30 000	30 000	32 000	34 000	35 000	35 000	36 400	39 145	40 000
55 to 64 years	23 841	22 000	24 000	24 000	24 377	29 600	26 496	28 200	26 000	30 000	32 000	32 000	33 000	32 000
65 years and over														
Men, 16 Years And Over	28 000	29 120	30 000	30 000	30 000	31 000	32 000	34 000	35 000	36 000	37 600	38 500	40 000	40 000
16 to 24 years	15 000	15 000	15 000	15 000	15 000	16 000	17 000	17 000	18 720	19 000	20 000	20 000	20 000	20 800
25 to 34 years	25 000	25 000	26 000	25 000	26 000	27 000	28 000	29 852	30 000	32 000	33 500	34 000	34 740	35 000
25 to 34 years	32 000	33 000	34 000	35 000	35 000	35 000	36 000	37 000	38 000	40 000	40 000	42 000	43 000	43 900
35 to 44 years	35 000	36 000	37 000	38 000	40 000	40 000	40 000	41 000	42 000	44 616	45 000	45 000	47 000	48 000
45 to 54 years	31 875	33 000	33 000	34 000	36 000	36 000	36 000	39 000	40 000	40 853	44 000	45 000	47 000	50 000
55 to 64 years	29 000	28 000	30 000	28 000	30 000	36 000	33 000	36 400	35 000	36 000	35 999	35 000	37 861	42 000
65 years and over														
Women, 16 Years And Over	20 000	20 000	21 500	22 000	22 150	23 000	24 000	25 000	25 000	26 000	27 500	29 000	30 000	30 000
16 to 24 years	13 392	13 800	14 000	14 872	14 560	15 000	15 000	15 000	17 000	17 000	18 000	19 000	19 000	20 000
25 to 34 years	19 500	20 000	21 000	21 000	22 000	22 000	23 000	24 000	25 000	26 000	27 000	28 080	29 500	30 000
25 to 34 years	22 000	22 510	23 397	24 000	25 000	25 000	25 000	26 000	27 200	28 000	29 000	30 000	30 400	32 000
35 to 44 years	21 000	22 000	24 000	24 000	25 000	25 000	26 000	27 040	28 132	30 000	30 000	32 000	32 000	33 466
45 to 54 years	19 000	20 000	22 000	21 500	22 000	22 500	24 000	24 800	25 775	27 000	28 000	30 000	31 410	32 000
55 to 64 years	18 586	17 000	18 500	20 000	19 000	23 290	20 800	24 000	22 000	20 800	24 000	25 000	28 000	26 000
65 years and over														
White, 16 Years And Over	25 000	25 000	26 200	27 000	28 000	28 000	29 000	30 000	31 000	32 000	34 000	35 000	35 000	36 000
Men	29 000	30 000	31 000	30 700	32 000	32 000	33 000	35 000	36 000	37 200	39 000	40 000	40 000	40 000
Women	20 000	20 500	22 000	22 000	23 000	23 000	24 000	25 000	26 000	27 000	28 000	30 000	30 000	31 000
Black, 16 Years And Over	19 350	20 000	21 000	20 800	21 000	22 000	23 784	24 000	25 000	25 760	26 000	28 500	29 000	30 000
Men	20 800	22 000	22 312	23 000	23 500	24 500	26 000	26 000	27 000	30 000	30 000	30 000	30 000	32 000
Women	18 000	18 500	20 000	19 843	20 000	20 000	21 000	22 000	23 000	24 000	25 000	26 000	26 000	27 000

Note: Detail for the above race groups will not sum to totals because data for the Other races group are not presented. See "Notes and Definitions" for information on historical comparability.

Table 1-47. Number and Median Annual Earnings of Year-Round Full-Time Wage and Salary Workers by Sex and Occupation of Job Held the Longest, 2002–2003

(Thousands of people, dollars.)

Occupation	2002	2003
TOTAL, NUMBER OF WORKERS		
Management, business and financial operations	15 707	15 552
Management occupations	11 350	11 102
Business and financial operations occupations	4 357	4 450
Professional and related occupations	19 149	19 607
Computer and mathematical occupations	2 644	2 598
Architecture and engineering occupations	2 257	2 273
Life, physical and social science occupations	1 094	1 010
Community and social services occupations	1 694	1 698
Legal occupations	1 006	1 149
Education, training, and library occupations	4 606	4 918
Arts, design, entertainment, sports, and media	1 453	1 374
Healthcare practitioner and technical occupations	4 395	4 586
Service occupations	12 011	11 990
Healthcare supporting occupations	1 767	1 703
Protective service occupations	2 042	2 385
Food preparation and serving related occupations	3 592	3 223
Building and grounds cleaning and maintenance	2 843	2 942
Personal care and service occupations	1 767	1 735
Sales and office occupations	23 791	23 766
Sales and related occupations	9 929	9 804
Office and administrative support occupations	13 862	13 962
Natural resources, construction, and maintenance	9 823	9 709
Farming, fishing, and forestry occupations	573	562
Construction and extraction occupations	5 256	5 070
Installation, maintenance, and repair occupations	3 994	4 077
Production, transportation and material moving occupations	13 386	13 391
Production occupations	7 736	7 670
Transportation and material moving occupations	5 650	5 721
Armed forces	658	717
TOTAL, MEDIAN ANNUAL EARNINGS		
Management, business and financial operations	50 000	52 000
Management occupations	55 000	58 000
Business and financial operations occupations	44 000	45 000
Professional and related occupations	46 000	46 000
Computer and mathematical occupations	60 000	60 000
Architecture and engineering occupations	59 400	62 000
Life, physical and social science occupations	50 000	50 000
Community and social services occupations	34 000	34 349
Legal occupations	61 860	75 000
Education, training, and library occupations	38 000	39 000
Arts, design, entertainment, sports, and media	43 500	40 000
Healthcare practitioner and technical occupations	46 000	48 000
Service occupations	22 000	22 000
Healthcare supporting occupations	22 100	22 000
Protective service occupations	38 000	42 000
Food preparation and serving related occupations	18 000	18 000
Building and grounds cleaning and maintenance	20 000	20 000
Personal care and service occupations	21 840	20 678
Sales and office occupations	30 000	30 000
Sales and related occupations	35 000	35 000
Office and administrative support occupations	28 000	29 000
Natural resources, construction, and maintenance	33 000	34 000
Farming, fishing, and forestry occupations	20 000	20 000
Construction and extraction occupations	31 200	32 000
Installation, maintenance, and repair occupations	36 000	38 000
Production, transportation and material moving occupations	28 704	30 000
Production occupations	28 000	30 000
Transportation and material moving occupations	29 000	30 000
Armed forces	36 000	36 000

Table 1-47. Number and Median Annual Earnings of Year-Round Full-Time Wage and Salary Workers by Sex and Occupation of Job Held the Longest, 2002–2003—Continued

(Thousands of people, dollars.)

Occupation	2002	2003
MEN, NUMBER OF WORKERS		
Management, business and financial operations	9 178	8 961
Management occupations	7 145	6 991
Business and financial operations occupations	2 033	1 970
Professional and related occupations	9 299	9 535
Computer and mathematical occupations	1 953	1 913
Architecture and engineering occupations	1 984	2 004
Life, physical and social science occupations	667	668
Community and social services occupations	726	730
Legal occupations	490	610
Education, training, and library occupations	1 407	1 476
Arts, design, entertainment, sports, and media	847	811
Healthcare practitioner and technical occupations	1 225	1 323
Service occupations	5 988	6 204
Healthcare supporting occupations	181	178
Protective service occupations	1 689	1 967
Food preparation and serving related occupations	1 836	1 638
Building and grounds cleaning and maintenance	1 788	1 914
Personal care and service occupations	494	508
Sales and office occupations	9 453	9 398
Sales and related occupations	5 933	5 891
Office and administrative support occupations	3 520	3 507
Natural resources, construction, and maintenance	9 434	9 348
Farming, fishing, and forestry occupations	463	470
Construction and extraction occupations	5 156	4 972
Installation, maintenance, and repair occupations	3 815	3 905
Production, transportation and material moving occupations	10 472	10 492
Production occupations	5 517	5 513
Transportation and material moving occupations	4 955	4 979
Armed forces	600	636
MEN, MEDIAN ANNUAL EARNINGS		
Management, business and financial operations	60 000	60 200
Management occupations	65 000	65 000
Business and financial operations occupations	52 000	51 000
Professional and related occupations	55 000	58 000
Computer and mathematical occupations	60 000	65 000
Architecture and engineering occupations	60 000	64 558
Life, physical and social science occupations	52 000	50 801
Community and social services occupations	35 000	35 000
Legal occupations	100 000	100 000
Education, training, and library occupations	45 600	48 000
Arts, design, entertainment, sports, and media	46 000	45 000
Healthcare practitioner and technical occupations	72 000	65 500
Service occupations	25 000	26 000
Healthcare supporting occupations	24 000	22 537
Protective service occupations	40 000	44 000
Food preparation and serving related occupations	20 000	18 720
Building and grounds cleaning and maintenance	24 500	22 156
Personal care and service occupations	30 000	28 559
Sales and office occupations	38 000	39 000
Sales and related occupations	41 600	41 000
Office and administrative support occupations	32 000	32 000
Natural resources, construction, and maintenance	33 592	34 283
Farming, fishing, and forestry occupations	22 000	22 000
Construction and extraction occupations	31 304	32 000
Installation, maintenance, and repair occupations	36 000	38 000
Production, transportation and material moving occupations	30 000	32 000
Production occupations	30 360	32 000
Transportation and material moving occupations	30 000	30 000
Armed forces	36 000	36 000

Table 1-47. Number and Median Annual Earnings of Year-Round Full-Time Wage and Salary Workers by Sex and Occupation of Job Held the Longest, 2002–2003—Continued

(Thousands of people, dollars.)

Occupation	2002	2003
WOMEN, NUMBER OF WORKERS		
Management, business and financial operations	6 529	6 591
Management occupations	4 205	4 111
Business and financial operations occupations	2 324	2 479
Professional and related occupations	9 851	10 071
Computer and mathematical occupations	691	685
Architecture and engineering occupations	273	269
Life, physical and social science occupations	428	342
Community and social services occupations	968	968
Legal occupations	516	539
Education, training, and library occupations	3 199	3 441
Arts, design, entertainment, sports, and media	606	563
Healthcare practitioner and technical occupations	3 170	3 263
Service occupations	6 026	5 786
Healthcare supporting occupations	1 586	1 525
Protective service occupations	354	419
Food preparation and serving related occupations	1 757	1 585
Building and grounds cleaning and maintenance	1 055	1 029
Personal care and service occupations	1 274	1 228
Sales and office occupations	14 338	14 368
Sales and related occupations	3 996	3 913
Office and administrative support occupations	10 342	10 455
Natural resources, construction, and maintenance	391	361
Farming, fishing, and forestry occupations	111	92
Construction and extraction occupations	100	97
Installation, maintenance, and repair occupations	180	172
Production, transportation and material moving occupations	2 914	2 899
Production occupations	2 219	2 157
Transportation and material moving occupations	695	742
Armed forces	58	81
WOMEN, MEDIAN ANNUAL EARNINGS		
Management, business and financial operations	41 000	43 000
Management occupations	44 000	47 000
Business and financial operations occupations	38 500	40 000
Professional and related occupations	40 000	40 000
Computer and mathematical occupations	51 627	52 000
Architecture and engineering occupations	50 000	48 000
Life, physical and social science occupations	44 000	45 000
Community and social services occupations	33 000	33 000
Legal occupations	45 000	45 000
Education, training, and library occupations	35 000	35 000
Arts, design, entertainment, sports, and media	40 000	35 000
Healthcare practitioner and technical occupations	41 000	43 000
Service occupations	20 000	20 000
Healthcare supporting occupations	22 000	22 000
Protective service occupations	30 900	32 000
Food preparation and serving related occupations	16 160	17 000
Building and grounds cleaning and maintenance	16 491	16 000
Personal care and service occupations	20 000	20 000
Sales and office occupations	26 989	28 000
Sales and related occupations	25 000	26 000
Office and administrative support occupations	27 000	28 000
Natural resources, construction, and maintenance	26 000	28 000
Farming, fishing, and forestry occupations	17 000	16 000
Construction and extraction occupations	26 000	29 500
Installation, maintenance, and repair occupations	34 000	37 000
Production, transportation and material moving occupations	22 000	22 100
Production occupations	21 632	22 000
Transportation and material moving occupations	22 000	22 710
Armed forces	40 000	32 000

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-48. Wage and Salary Workers Paid Hourly Rates with Earnings at or Below the Prevailing Federal Minimum Wage by Selected Characteristics, 2002–2003

(Thousands of people, percent.)

Characteristic	Workers paid hourly rates				
	Total	Below prevailing federal minimum wage	At prevailing federal minimum wage	Total at or below prevailing federal minimum wage	
				Number	Percent of hourly-paid workers
2002					
Sex And Age					
Total, 16 years and over	72 720	1 598	570	2 168	3.0
16 to 24 years	16 191	818	340	1 158	7.1
25 years and over	56 529	780	230	1 010	1.8
Men, 16 years and over	36 135	582	218	800	2.2
16 to 24 years	8 242	307	146	453	5.5
25 years and over	27 893	275	72	347	1.2
Women, 16 years and over	36 585	1 016	352	1 368	3.7
16 to 24 years	7 949	511	194	705	8.9
25 years and over	28 636	505	158	663	2.3
Race, Hispanic Origin, And Sex					
White, 16 years and over ¹	59 199	1 329	452	1 781	3.0
Men	29 829	464	162	625	2.1
Women	29 370	865	290	1 155	3.9
Black, 16 years and over ¹	9 692	187	89	276	2.8
Men	4 469	85	44	129	2.9
Women	5 224	102	45	147	2.8
Hispanic origin, 16 years and over	11 206	195	110	305	2.7
Men	6 624	97	47	143	2.2
Women	4 582	98	64	162	3.5
Full-And Part-Time Status And Sex²					
Full-time workers	55 029	682	169	851	1.5
Men	30 472	285	82	367	1.2
Women	24 557	396	87	483	2.0
Part-time workers	17 568	908	401	1 308	7.4
Men	5 599	294	136	430	7.7
Women	11 969	614	265	879	7.3
2003					
Sex And Age					
Total, 16 years and over	72 946	1 555	545	2 100	2.9
16 to 24 years	15 871	776	330	1 105	7.0
25 years and over	57 075	780	215	995	1.7
Men, 16 years and over	35 853	493	213	706	2.0
16 to 24 years	8 031	237	154	392	4.9
25 years and over	27 823	256	58	315	1.1
Women, 16 years and over	37 093	1 062	332	1 394	3.8
16 to 24 years	7 841	538	175	713	9.1
25 years and over	29 252	524	157	681	2.3
Race, Hispanic Origin, And Sex					
White, 16 years and over ¹	59 109	1 325	421	1 746	3.0
Men	29 441	390	163	553	1.9
Women	29 668	935	257	1 193	4.0
Black, 16 years and over ¹	9 419	145	105	249	2.6
Men	4 246	71	41	112	2.6
Women	5 173	74	64	138	2.7
Hispanic origin, 16 years and over	11 462	214	94	308	2.7
Men	6 775	89	39	128	1.9
Women	4 687	125	55	180	3.8
Full-And Part-Time Status And Sex²					
Full-time workers	54 887	639	156	796	1.4
Men	30 141	243	60	303	1.0
Women	24 745	396	97	493	2.0
Part-time workers	17 932	910	388	1 299	7.2
Men	5 651	249	153	402	7.1
Women	12 282	661	235	896	7.3

Note: The prevailing federal minimum wage was \$5.15 per hour in 2003. Data are for wage and salary workers, excluding the incorporated self-employed. They refer to a person's earnings on their sole or principal job, and pertain only to workers who are paid hourly rates. Salaried workers and other non-hourly workers are not included. The presence of workers with hourly earnings below the minimum wage does not necessarily indicate violations of the Fair Labor Standards Act, as there are exceptions to the minimum wage provisions of the law. In addition, some survey respondents might have rounded hourly earnings to the nearest dollar, and, as a result, reported hourly earnings below the minimum wage even though they earned the minimum wage or higher. Beginning in January 2003, data reflect revised population controls used in the household survey.

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

²The distinction between full- and part-time workers is based on the hours usually worked. These data will not sum to totals because full- or part-time status on the principal job is not identifiable for a small number of multiple jobholders.

Table 1-49. Absences from Work of Employed Full-Time Wage and Salary Workers by Age and Sex, 2001–2003

(Thousands of people, percent.)

Age and sex	Total employed	Absence rate ¹			Lost worktime rate ²		
		Total	Illness or injury	Other reasons	Total	Illness or injury	Other reasons
2001							
Total, 16 Years And Over	99 508	3.6	2.5	1.0	1.9	1.3	0.5
16 to 19 years	2 179	3.4	2.5	0.9	1.5	1.1	0.4
20 to 24 years	9 429	3.5	2.3	1.2	1.7	1.0	0.7
25 years and over	87 899	3.6	2.6	1.0	1.9	1.4	0.5
25 to 54 years	76 680	3.5	2.5	1.1	1.9	1.3	0.6
55 years and over	11 220	3.8	3.1	0.8	2.2	1.8	0.4
Men, 16 Years And Over	55 931	2.6	2.0	0.6	1.4	1.1	0.3
16 to 19 years	1 274	2.6	2.0	0.6	1.2	0.9	0.3
20 to 24 years	5 279	2.5	1.8	0.6	1.1	0.9	0.2
25 years and over	49 378	2.6	2.0	0.6	1.4	1.2	0.3
25 to 54 years	43 121	2.5	1.9	0.6	1.4	1.1	0.3
55 years and over	6 257	3.2	2.6	0.6	1.9	1.6	0.2
Women, 16 Years And Over	43 576	4.8	3.2	1.6	2.6	1.7	0.9
16 to 19 years	905	4.4	3.2	1.2	2.1	1.3	0.7
20 to 24 years	4 150	4.9	2.9	2.0	2.6	1.3	1.3
25 years and over	38 521	4.8	3.2	1.6	2.6	1.7	0.9
25 to 54 years	33 559	4.8	3.2	1.6	2.6	1.6	0.9
55 years and over	4 963	4.7	3.6	1.0	2.5	2.0	0.5
2002							
Total, 16 Years And Over	100 228	3.5	2.5	1.0	1.9	1.3	0.6
16 to 19 years	1 902	2.9	2.1	0.9	1.3	0.8	0.4
20 to 24 years	9 267	3.5	2.3	1.2	1.8	1.1	0.7
25 years and over	89 060	3.6	2.5	1.0	1.9	1.4	0.5
25 to 54 years	76 585	3.5	2.4	1.1	1.9	1.3	0.6
55 years and over	12 475	3.8	3.1	0.7	2.1	1.8	0.3
Men, 16 Years And Over	56 458	2.6	2.0	0.6	1.4	1.1	0.3
16 to 19 years	1 139	2.2	1.7	0.5	0.9	0.7	0.2
20 to 24 years	5 210	2.3	1.8	0.5	1.1	0.9	0.2
25 years and over	50 109	2.6	2.0	0.6	1.4	1.1	0.3
25 to 54 years	43 220	2.5	1.9	0.6	1.3	1.0	0.3
55 years and over	6 889	3.2	2.7	0.5	1.9	1.7	0.2
Women, 16 Years And Over	43 771	4.8	3.2	1.6	2.6	1.7	0.9
16 to 19 years	763	4.1	2.7	1.5	1.8	1.1	0.8
20 to 24 years	4 057	4.9	2.9	2.1	2.6	1.3	1.4
25 years and over	38 951	4.8	3.3	1.5	2.6	1.7	0.9
25 to 54 years	33 365	4.8	3.2	1.6	2.6	1.6	1.0
55 years and over	5 586	4.5	3.7	0.9	2.4	2.0	0.4
2003							
Total, 16 Years And Over	100 198	3.3	2.4	1.0	1.8	1.3	0.5
16 to 19 years	1 633	2.8	2.0	0.8	1.4	0.9	0.5
20 to 24 years	9 183	3.1	2.0	1.1	1.5	0.9	0.6
25 years and over	89 382	3.4	2.4	0.9	1.8	1.3	0.5
25 to 54 years	76 216	3.3	2.3	1.0	1.8	1.2	0.5
55 years and over	13 166	3.6	2.9	0.6	2.1	1.8	0.3
Men, 16 Years And Over	56 159	2.5	1.9	0.6	1.3	1.1	0.3
16 to 19 years	956	2.2	1.6	0.6	1.1	0.8	0.3
20 to 24 years	5 201	2.1	1.5	0.5	1.0	0.7	0.3
25 years and over	50 001	2.5	1.9	0.6	1.4	1.1	0.3
25 to 54 years	42 863	2.4	1.8	0.6	1.3	1.0	0.3
55 years and over	7 138	2.9	2.4	0.5	1.7	1.5	0.2
Women, 16 Years And Over	44 039	4.4	3.0	1.4	2.4	1.6	0.8
16 to 19 years	677	3.7	2.6	1.1	1.7	1.0	0.7
20 to 24 years	3 981	4.5	2.7	1.8	2.2	1.1	1.1
25 years and over	39 381	4.4	3.0	1.4	2.4	1.6	0.8
25 to 54 years	33 353	4.4	2.9	1.5	2.4	1.5	0.9
55 years and over	6 028	4.3	3.5	0.8	2.5	2.1	0.4

Note: Beginning in January 2003, data reflect revised population controls used in the household survey.

¹Absences are defined as instances when persons who usually work 35 or more hours a week worked less than 35 hours during the reference week for one of the following reasons: Own illness, injury, or medical problems; child-care problems; other family or personal obligations; civic or military duty; and maternity or paternity leave. Excluded are situations in which work was missed due to vacation or personal days, holiday, labor dispute, and other reasons. For multiple jobholders, absence data refer only to work missed at their main jobs. The absence rate is the ratio of workers with absences to total full-time wage and salary employment. The estimates of full-time wage and salary employment shown in this table do not match those in other tables because the estimates in this table are based on the full CPS sample and those in the other tables are based on a quarter of the sample only.

²Hours absent as a percentage of the hours usually worked.

Table 1-50. Median Years of Tenure with Current Employer for Employed Wage and Salary Workers by Age, and Sex, Selected Years, 1983–2004

Age and sex	January 1983	January 1987	January 1991	January 1996	February 1998	February 2000	January 2002	January 2004
TOTAL								
16 Years And Over	3.5	3.4	3.6	3.8	3.6	3.5	3.7	4.0
16 to 17 years	0.7	0.6	0.7	0.7	0.6	0.6	0.7	0.7
18 to 19 years	0.8	0.7	0.8	0.7	0.7	0.7	0.8	0.8
20 to 24 years	1.5	1.3	1.3	1.2	1.1	1.1	1.2	1.3
25 years and over	5.0	5.0	4.8	5.0	4.7	4.7	4.7	4.9
25 to 34 years	3.0	2.9	2.9	2.8	2.7	2.6	2.7	2.9
35 to 44 years	5.2	5.5	5.4	5.3	5.0	4.8	4.6	4.9
45 to 54 years	9.5	8.8	8.9	8.3	8.1	8.2	7.6	7.7
55 to 64 years	12.2	11.6	11.1	10.2	10.1	10.0	9.9	9.6
65 years and over	9.6	9.5	8.1	8.4	7.8	9.4	8.6	9.0
MEN								
16 Years And Over	4.1	4.0	4.1	4.0	3.8	3.8	3.9	4.1
16 to 17 years	0.7	0.6	0.7	0.6	0.6	0.6	0.8	0.7
18 to 19 years	0.8	0.7	0.8	0.7	0.7	0.7	0.8	0.8
20 to 24 years	1.5	1.3	1.4	1.2	1.2	1.2	1.4	1.3
25 years and over	5.9	5.7	5.4	5.2	4.9	4.9	4.9	5.1
25 to 34 years	3.2	3.1	3.1	3.0	2.8	2.7	2.8	3.0
35 to 44 years	7.3	7.0	6.5	6.1	5.5	5.3	5.0	5.2
45 to 54 years	12.8	11.8	11.2	10.1	9.4	9.5	9.1	9.6
55 to 64 years	15.3	14.5	13.4	10.5	11.2	10.2	10.2	9.8
65 years and over	8.3	8.3	7.0	8.3	7.1	9.0	8.1	8.2
WOMEN								
16 Years And Over	3.1	3.0	3.2	3.5	3.4	3.3	3.4	3.8
16 to 17 years	0.7	0.6	0.7	0.7	0.7	0.6	0.7	0.6
18 to 19 years	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.8
20 to 24 years	1.5	1.3	1.3	1.2	1.1	1.0	1.1	1.3
25 years and over	4.2	4.3	4.3	4.7	4.4	4.4	4.4	4.7
25 to 34 years	2.8	2.6	2.7	2.7	2.5	2.5	2.5	2.8
35 to 44 years	4.1	4.4	4.5	4.8	4.5	4.3	4.2	4.5
45 to 54 years	6.3	6.8	6.7	7.0	7.2	7.3	6.5	6.4
55 to 64 years	9.8	9.7	9.9	10.0	9.6	9.9	9.6	9.2
65 years and over	10.1	9.9	9.5	8.4	8.7	9.7	9.5	9.6

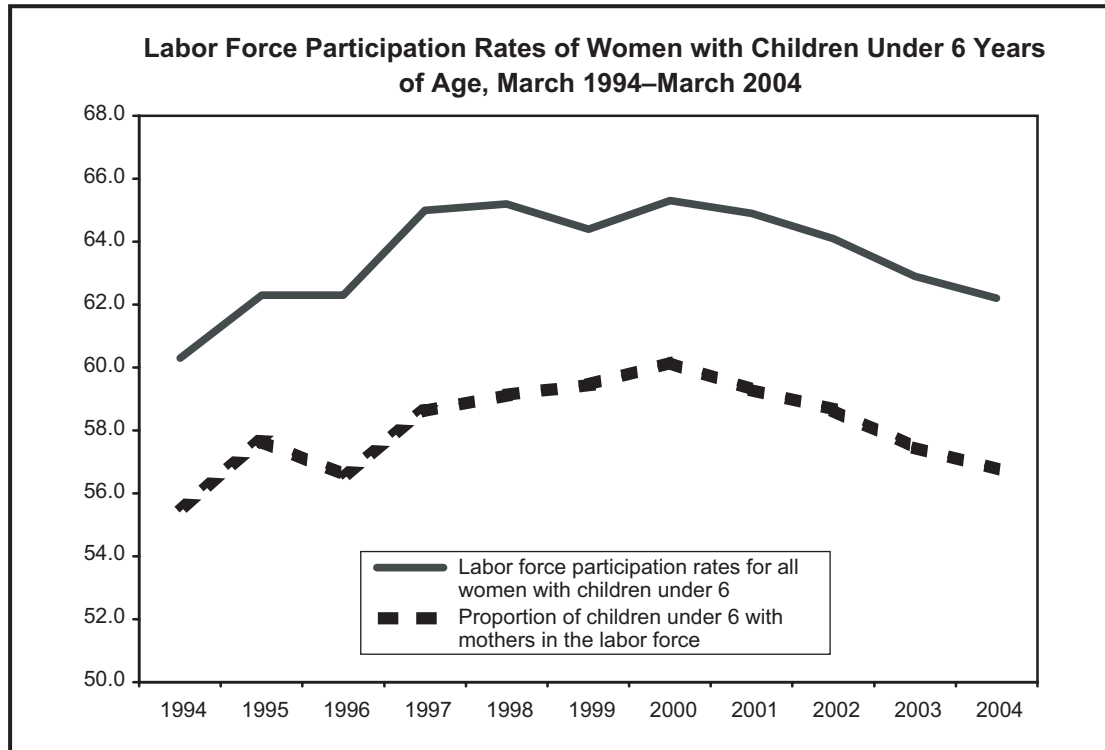
Note: Data beginning 2000 reflect the introduction of Census 2000 population controls in January 2003 and are not strictly comparable with data for prior years. In addition, data for 2004 reflect the introduction of revised population controls in January 2003 and January 2004. Data for 1996 and 1998 are based on population controls from the 1990 census. Data for the period 1983–1991 are based on population controls from the 1980 census. Also, beginning in 1996, the figures incorporate the effects of the redesign of the Current Population Survey introduced in January 1994. Data exclude the incorporated and unincorporated self-employed.

Table 1-51. Median Years of Tenure with Current Employer for Employed Wage and Salary Workers by Industry, Selected Years, 2000–2004

Industry	February 2000	January 2002	January 2004
TOTAL , 16 YEARS AND OVER	3.5	3.7	4.0
Private sector	3.2	3.3	3.5
Agriculture and related industries	3.7	4.2	3.7
Nonagricultural industries	3.2	3.3	3.5
Mining	4.8	4.5	5.2
Construction	2.7	3.0	3.0
Manufacturing	4.9	5.4	5.8
Durable goods manufacturing	4.8	5.5	6.0
Nonmetallic mineral products	5.5	5.3	4.8
Primary metals and fabricated metal products	5.0	6.3	6.4
Machinery manufacturing	5.3	6.8	6.4
Computers and electronic products	3.9	4.7	5.2
Electrical equipment and appliances	5.0	5.5	9.8
Transportation equipment	6.4	7.0	7.7
Wood products	3.7	4.3	5.0
Furniture and fixtures	4.4	4.7	4.7
Miscellaneous manufacturing	3.7	4.5	4.6
Nondurable goods manufacturing	5.0	5.3	5.5
Food manufacturing	4.6	5.0	4.9
Beverage and tobacco products	5.5	4.6	8.0
Textiles, apparel, and leather	4.7	5.0	5.0
Paper and printing	5.1	6.2	6.9
Petroleum and coal products	9.5	9.8	11.4
Chemicals	6.0	5.7	5.3
Plastics and rubber products	4.6	5.3	5.7
Wholesale and retail trade	2.7	2.8	3.1
Wholesale trade	3.9	3.9	4.3
Retail trade	2.5	2.6	2.8
Transportation and utilities	4.7	4.9	5.3
Transportation and warehousing	4.0	4.3	4.7
Utilities	11.5	13.4	13.3
Information ¹	3.4	3.3	4.3
Publishing, except Internet	4.2	4.8	4.7
Motion picture and sound recording industries	1.6	2.3	2.2
Broadcasting, except Internet	3.6	3.1	4.0
Telecommunications	4.3	3.4	4.6
Financial activities	3.5	3.6	3.9
Finance and insurance	3.6	3.9	4.1
Finance	3.3	3.6	4.0
Insurance	4.4	4.5	4.4
Real estate and rental and leasing	3.1	3.0	3.3
Real estate	3.1	3.2	3.5
Rental and leasing services	3.0	2.2	2.9
Professional and business services	2.4	2.7	3.2
Professional and technical services	2.6	3.1	3.6
Management, administrative, and waste services ¹	2.0	2.1	2.6
Administrative and support services	1.8	1.9	2.4
Waste management and remediation services	3.6	4.3	3.4
Education and health services	3.4	3.5	3.6
Educational services	3.2	3.6	3.8
Health care and social assistance	3.5	3.5	3.6
Hospitals	5.1	4.9	4.7
Health services, except hospitals	3.2	3.1	3.3
Social assistance	2.4	2.5	2.8
Leisure and hospitality	1.7	1.8	2.0
Arts, entertainment, and recreation	2.6	2.3	2.8
Accommodation and food services	1.5	1.6	1.9
Accommodation	2.8	2.7	3.1
Food services and drinking places	1.4	1.4	1.6
Other services	3.1	3.3	3.3
Other services, except private households	3.2	3.3	3.5
Repair and maintenance	3.0	3.0	3.2
Personal and laundry services	2.7	2.8	3.4
Membership associations and organizations	4.0	4.1	3.9
Other services, private households	3.0	2.7	2.3
Public sector	7.1	6.7	6.9
Federal government	11.5	11.3	10.4
State government	5.5	5.4	6.4
Local government	6.7	6.2	6.4

Note: Data reflect the introduction of Census 2000 population controls in January 2003 and are not strictly comparable with data for prior years. In addition, data for 2004 reflect the introduction of additional revised population controls in January 2003 and January 2004. Industries reflect the introduction of the 2002 Census industry classification system derived from the 2002 North American Industry Classification System into the Current Population Survey. Data refer to the sole or principal job of full- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated.

¹Includes other industries, not shown separately.



The peak labor force participation rate for women with children under 6 was in 2000 and has mostly declined ever since. (Table 1-53) Looked at from another angle, the proportion of children under 6 with mothers in the labor force has declined from 58.6 percent in March 1997 to 56.7 in March 2004. (Table 1-56)

Table 1-52. Employment Status of the Population by Marital Status and Sex, March 1989–2004

(Thousands of people, percent.)

Marital status and year	Men						Women					
	Popula- tion	Labor force				Popula- tion	Labor force					
		Total		Employed	Unemployed		Total		Employed	Unemployed		
		Number	Percent of popula- tion		Number		Percent of labor force	Number		Percent of popula- tion	Number	Percent of labor force
SINGLE												
1989	25 714	18 867	73.4	16 999	1 868	9.9	21 153	13 969	66.0	12 843	1 126	8.1
1990	25 757	18 829	73.1	16 893	1 936	10.3	21 088	14 003	66.4	12 856	1 147	8.2
1991	26 220	19 014	72.5	16 418	2 596	13.7	21 688	14 125	65.1	12 887	1 238	8.8
1992	26 529	19 229	72.5	16 401	2 828	14.7	21 738	14 072	64.7	12 793	1 279	9.1
1993	26 951	19 625	72.8	16 858	2 767	14.1	21 848	14 091	64.5	12 711	1 380	9.8
1994	28 350	20 365	71.8	17 826	2 539	12.5	22 885	14 903	65.1	13 419	1 484	10.0
1995	28 318	20 449	72.2	18 286	2 163	10.6	22 853	14 974	65.5	13 673	1 301	8.7
1996	28 695	20 561	71.7	18 097	2 464	12.0	23 632	15 417	65.2	14 084	1 333	8.6
1997	29 294	20 942	71.5	18 683	2 259	10.8	24 215	16 178	66.8	14 747	1 431	8.8
1998	29 558	21 255	71.9	19 124	2 131	10.0	24 808	16 885	68.1	15 626	1 259	7.5
1999	29 883	21 329	71.4	19 465	1 864	8.7	25 674	17 486	68.1	16 185	1 301	7.4
2000	30 232	21 641	71.6	19 823	1 818	8.4	25 863	17 749	68.6	16 446	1 303	7.3
2001	30 968	22 232	71.8	20 239	1 993	9.0	26 180	17 900	68.4	16 631	1 269	7.1
2002	32 220	22 761	70.6	20 066	2 695	11.8	26 942	18 079	67.1	16 499	1 580	8.7
2003	32 852	22 821	69.5	20 194	2 627	11.5	27 527	17 901	65.0	16 219	1 682	9.4
2004	33 786	23 212	68.7	20 434	2 778	12.0	28 033	18 089	64.5	16 506	1 583	8.8
MARRIED, SPOUSE PRESENT												
1989	52 155	40 912	78.4	39 516	1 396	3.4	52 889	30 489	57.6	29 446	1 043	3.4
1990	52 464	41 020	78.2	39 562	1 458	3.6	53 207	30 967	58.2	29 870	1 097	3.5
1991	52 460	40 883	77.9	38 843	2 040	5.0	53 176	31 103	58.5	29 668	1 435	4.6
1992	52 780	40 930	77.5	38 650	2 280	5.6	53 464	31 686	59.3	30 130	1 556	4.9
1993	53 488	41 255	77.1	39 069	2 186	5.3	54 146	32 158	59.4	30 757	1 401	4.4
1994	53 436	40 993	76.7	39 085	1 908	4.7	54 198	32 863	60.6	31 397	1 466	4.5
1995	54 166	41 806	77.2	40 262	1 544	3.7	54 902	33 563	61.1	32 267	1 296	3.9
1996	53 996	41 837	77.5	40 356	1 481	3.5	54 640	33 382	61.1	32 258	1 124	3.4
1997	53 981	41 967	77.7	40 628	1 339	3.2	54 611	33 907	62.1	32 836	1 071	3.2
1998	54 685	42 288	77.3	41 039	1 249	3.0	55 241	34 136	61.8	33 028	1 108	3.2
1999	55 256	42 557	77.0	41 476	1 081	2.5	55 801	34 349	61.6	33 403	946	2.8
2000	55 897	43 254	77.4	42 261	993	2.3	56 432	34 959	61.9	33 998	961	2.7
2001	56 152	43 463	77.4	42 245	1 218	2.8	56 740	35 234	62.1	34 273	961	2.7
2002	57 325	44 271	77.2	42 508	1 763	4.0	57 883	35 624	61.5	34 295	1 329	3.7
2003	57 940	44 700	77.1	42 797	1 903	4.3	58 545	36 185	61.8	34 806	1 379	3.8
2004	58 395	44 860	76.8	43 247	1 613	3.6	59 008	35 918	60.9	34 582	1 336	3.7
WIDOWED, DIVORCED, OR SEPARATED												
1989	10 641	7 108	66.8	6 552	556	7.8	23 346	10 733	46.0	10 119	614	5.7
1990	11 152	7 513	67.4	6 959	554	7.4	23 857	11 168	46.8	10 530	638	5.7
1991	11 588	7 804	67.3	6 985	819	10.5	24 105	11 145	46.2	10 386	759	6.8
1992	11 927	8 049	67.5	7 140	909	11.3	24 582	11 486	46.7	10 610	876	7.6
1993	11 861	7 956	67.1	7 055	901	11.3	24 661	11 308	45.9	10 528	780	6.9
1994	12 239	8 156	66.6	7 382	774	9.5	25 098	11 879	47.3	10 995	884	7.4
1995	12 410	8 315	67.0	7 632	683	8.2	25 373	12 001	47.3	11 308	693	5.8
1996	13 176	8 697	66.0	7 976	721	8.3	25 786	12 430	48.2	11 742	688	5.5
1997	14 113	9 420	66.7	8 715	705	7.5	26 301	12 814	48.7	12 071	743	5.8
1998	14 166	9 482	66.9	8 954	528	5.6	26 092	12 880	49.4	12 235	645	5.0
1999	14 225	9 449	66.4	8 971	478	5.1	26 199	12 951	49.4	12 307	644	5.0
2000	14 289	9 623	67.3	9 152	471	4.9	26 354	13 228	50.2	12 657	571	4.3
2001	14 392	9 421	65.5	8 927	494	5.2	26 747	13 454	50.3	12 887	567	4.2
2002	14 617	9 650	66.0	8 931	719	7.5	27 802	13 716	49.3	12 855	861	6.3
2003	15 180	9 855	64.9	9 020	835	8.5	28 240	14 154	50.1	13 240	914	6.5
2004	15 059	9 789	65.0	9 059	730	7.5	28 228	14 194	50.3	13 324	870	6.1

Table 1-52. Employment Status of the Population by Marital Status and Sex, March 1989–2004—Continued

(Thousands of people, percent.)

Marital status and year	Men						Women					
	Popula- tion	Labor force				Popula- tion	Labor force					
		Total		Employed	Unemployed		Total		Employed	Unemployed		
		Number	Percent of popula- tion		Number		Percent of labor force	Number		Percent of popula- tion	Number	Percent of labor force
WIDOWED												
1989	2 279	536	23.5	521	15	2.8	11 493	2 309	20.1	2 231	78	3.4
1990	2 331	519	22.3	490	29	5.6	11 477	2 243	19.5	2 149	94	4.2
1991	2 385	486	20.4	448	38	7.8	11 288	2 150	19.0	2 044	106	4.9
1992	2 529	566	22.4	501	65	11.5	11 325	2 131	18.8	2 029	102	4.8
1993	2 468	596	24.1	535	61	10.2	11 214	1 961	17.5	1 856	105	5.4
1994	2 220	474	21.4	440	34	7.2	11 073	1 945	17.6	1 825	120	6.2
1995	2 282	496	21.7	469	27	5.4	11 080	1 941	17.5	1 844	97	5.0
1996	2 476	487	19.7	466	21	4.3	11 070	1 916	17.3	1 820	96	5.0
1997	2 686	559	20.8	529	30	5.4	11 058	2 018	18.2	1 926	92	4.6
1998	2 567	563	21.9	551	12	2.1	11 027	2 157	19.6	2 071	86	4.0
1999	2 540	562	22.1	532	30	5.3	10 943	2 039	18.6	1 942	97	4.8
2000	2 601	583	22.4	547	36	6.2	11 061	2 011	18.2	1 911	100	5.0
2001	2 638	568	21.5	546	22	3.9	11 182	2 137	19.1	2 045	92	4.3
2002	2 635	629	23.9	581	48	7.6	11 411	2 001	17.5	1 887	114	5.7
2003	2 694	628	23.3	588	40	6.4	11 295	2 087	18.5	1 991	96	4.6
2004	2 651	581	21.9	558	23	4.0	11 159	2 157	19.3	2 048	109	5.1
DIVORCED												
1989	6 023	4 819	80.0	4 433	386	8.0	8 521	6 396	75.1	6 035	361	5.6
1990	6 256	5 004	80.0	4 639	365	7.3	8 845	6 678	75.5	6 333	345	5.2
1991	6 586	5 262	79.9	4 722	540	10.3	9 152	6 779	74.1	6 365	414	6.1
1992	6 743	5 418	80.3	4 823	595	11.0	9 569	7 076	73.9	6 578	498	7.0
1993	6 770	5 330	78.7	4 736	594	11.1	9 879	7 183	72.7	6 736	447	6.2
1994	7 222	5 548	76.8	5 028	520	9.4	10 113	7 473	73.9	6 962	511	6.8
1995	7 343	5 739	78.2	5 266	473	8.2	10 262	7 559	73.7	7 206	353	4.7
1996	7 734	5 954	77.0	5 468	486	8.2	10 508	7 829	74.5	7 468	361	4.6
1997	8 191	6 298	76.9	5 851	447	7.1	11 102	8 092	72.9	7 666	426	5.3
1998	8 307	6 378	76.8	6 045	333	5.2	11 065	8 038	72.6	7 687	351	4.4
1999	8 529	6 481	76.0	6 151	330	5.1	11 130	8 171	73.4	7 841	330	4.0
2000	8 532	6 583	77.2	6 279	304	4.6	11 061	8 505	76.9	8 217	288	3.4
2001	8 580	6 403	74.6	6 074	329	5.1	11 719	8 662	73.9	8 335	327	3.8
2002	8 643	6 519	75.4	6 053	466	7.1	12 227	8 902	72.8	8 416	486	5.5
2003	8 938	6 621	74.1	6 052	569	8.6	12 653	9 191	72.6	8 673	518	5.6
2004	8 942	6 622	74.1	6 104	518	7.8	12 817	9 246	72.1	8 706	540	5.8
SEPARATED												
1989	2 339	1 753	74.9	1 598	155	8.8	3 332	2 028	60.9	1 853	175	8.6
1990	2 565	1 990	77.6	1 830	160	8.0	3 535	2 247	63.6	2 048	199	8.9
1991	2 616	2 057	78.6	1 816	241	11.7	3 665	2 216	60.5	1 977	239	10.8
1992	2 655	2 065	77.8	1 816	249	12.1	3 688	2 279	61.8	2 003	276	12.1
1993	2 623	2 030	77.4	1 784	246	12.1	3 568	2 165	60.7	1 937	228	10.5
1994	2 797	2 134	76.3	1 914	220	10.3	3 911	2 461	62.9	2 208	253	10.3
1995	2 784	2 081	74.7	1 898	183	8.8	4 031	2 501	62.0	2 258	243	9.7
1996	2 966	2 255	76.0	2 041	214	9.5	4 209	2 684	63.8	2 453	231	8.6
1997	3 236	2 563	79.2	2 335	228	8.9	4 141	2 705	65.3	2 480	225	8.3
1998	3 293	2 542	77.2	2 358	184	7.2	4 000	2 683	67.1	2 476	207	7.7
1999	3 156	2 405	76.2	2 287	118	4.9	4 126	2 740	66.4	2 523	217	7.9
2000	3 157	2 456	77.8	2 326	130	5.3	4 012	2 711	67.6	2 528	183	6.8
2001	3 174	2 450	77.2	2 307	143	5.8	3 846	2 654	69.0	2 507	147	5.5
2002	3 339	2 502	74.9	2 297	205	8.2	4 164	2 812	67.5	2 551	261	9.3
2003	3 548	2 606	73.4	2 380	226	8.7	4 293	2 877	67.0	2 576	301	10.5
2004	3 466	2 586	74.6	2 397	189	7.3	4 251	2 791	65.7	2 569	222	8.0

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-53. Employment Status of All Women and Single Women by Presence and Age of Children, March 1988–2004

(Thousands of people, percent.)

Age of children and year	All women							Single women						
	Civilian labor force	Civilian labor force as percent of population	Employed			Unemployed		Civilian labor force	Civilian labor force as percent of population	Employed			Unemployed	
			Number	Percent full-time	Percent part-time	Number	Percent of labor force			Number	Percent full-time	Percent part-time	Number	Percent of labor force
WOMEN WITH NO CHILDREN UNDER 18														
1988	32 490	51.2	30 911	73.6	26.4	1 580	4.9	12 417	67.3	11 538	66.7	33.3	880	7.1
1989	33 255	51.9	31 761	73.7	26.3	1 495	4.5	12 445	67.8	11 643	66.1	33.9	803	6.5
1990	33 942	52.3	32 391	74.4	25.6	1 551	4.6	12 478	68.1	11 611	65.9	34.1	866	6.9
1991	34 047	52.0	32 167	74.0	26.0	1 880	5.5	12 472	67.0	11 529	66.2	33.8	943	7.6
1992	34 487	52.3	32 481	74.3	25.7	2 006	5.8	12 355	66.9	11 374	66.6	33.4	982	7.9
1993	34 495	52.1	32 476	74.6	25.4	2 020	5.9	12 223	66.4	11 201	66.1	33.9	1 022	8.4
1994	35 454	53.1	33 343	72.7	27.3	2 110	6.0	12 737	66.8	11 674	64.5	35.5	1 063	8.3
1995	35 843	52.9	34 054	72.9	27.1	1 789	5.0	12 870	67.1	11 919	64.5	35.5	951	7.4
1996	36 509	53.0	34 698	73.3	26.7	1 811	5.0	13 172	66.1	12 255	64.6	35.4	918	7.0
1997	37 295	53.6	35 572	73.7	26.3	1 723	4.6	13 405	66.5	12 442	64.0	36.0	964	7.2
1998	38 253	54.1	36 680	74.1	25.9	1 573	4.1	13 888	67.2	13 082	64.8	35.2	806	5.8
1999	39 316	54.3	37 589	74.6	25.4	1 727	4.4	14 435	67.1	13 491	65.6	34.4	944	6.5
2000	40 142	54.8	38 408	75.4	24.6	1 733	4.3	14 677	67.6	13 713	66.6	33.4	964	6.6
2001	40 836	54.9	39 219	75.7	24.3	1 617	4.0	14 877	67.4	13 993	67.3	32.7	884	5.9
2002	41 278	54.0	39 038	75.1	24.9	2 241	5.4	14 855	65.6	13 682	65.9	34.1	1 173	7.9
2003	42 039	54.1	39 667	74.8	25.2	2 372	5.6	14 678	63.5	13 430	65.1	34.9	1 249	8.5
2004	42 289	53.8	40 000	74.6	25.4	2 289	5.4	14 828	63.0	13 670	65.5	34.5	1 157	7.8
WOMEN WITH CHILDREN UNDER 18														
1988	21 545	65.1	20 141	73.0	27.0	1 404	6.5	1 375	51.6	1 068	79.8	20.2	308	22.4
1989	20 936	65.7	20 647	72.8	27.2	1 289	6.2	1 524	54.7	1 200	79.0	21.0	324	21.3
1990	22 196	66.7	20 865	73.0	27.0	1 331	6.0	1 525	55.2	1 244	79.1	20.9	280	18.4
1991	22 327	66.6	20 774	73.0	27.0	1 552	7.0	1 654	53.6	1 358	76.4	23.6	296	17.9
1992	22 756	67.2	21 052	73.8	26.2	1 704	7.5	1 716	52.5	1 420	75.9	24.1	297	17.3
1993	23 063	66.9	21 521	73.9	26.1	1 541	6.7	1 869	54.4	1 510	74.8	25.2	359	19.2
1994	24 191	68.4	22 467	70.8	29.2	1 724	7.1	2 166	56.9	1 745	73.9	26.1	421	19.4
1995	24 695	69.7	23 195	71.7	28.3	1 500	6.1	2 104	57.5	1 754	73.6	26.4	350	16.6
1996	24 720	70.2	23 386	72.6	27.4	1 334	5.4	2 245	60.5	1 829	73.5	26.5	416	18.5
1997	25 604	72.1	24 082	74.1	25.9	1 522	5.9	2 772	68.1	2 305	76.6	23.4	467	16.8
1998	25 647	72.3	24 209	74.0	26.0	1 438	5.6	2 997	72.5	2 544	75.6	24.4	453	15.1
1999	25 469	72.1	24 305	74.1	25.9	1 165	4.6	3 051	73.4	2 694	75.8	24.2	357	11.7
2000	25 795	72.9	24 693	74.6	25.4	1 102	4.3	3 073	73.9	2 734	79.7	20.3	339	11.0
2001	25 751	73.1	24 572	75.6	24.4	1 179	4.6	3 022	73.8	2 638	81.8	18.2	385	12.7
2002	26 140	72.2	24 612	74.8	25.2	1 529	5.8	3 224	75.3	2 818	79.1	20.9	406	12.6
2003	26 202	71.7	24 598	74.3	25.7	1 603	6.1	3 222	73.1	2 789	79.5	20.5	433	13.4
2004	25 913	70.7	24 413	74.2	25.8	1 501	5.8	3 262	72.6	2 836	76.8	23.2	426	13.1
WOMEN WITH CHILDREN UNDER 6														
1988	8 862	56.1	8 099	69.5	30.5	763	8.6	831	44.9	621	78.8	21.2	211	25.4
1989	9 136	56.7	8 478	68.8	31.2	657	7.2	966	48.9	722	79.2	20.8	244	25.3
1990	9 397	58.2	8 732	69.6	30.4	664	7.1	929	48.7	736	75.0	25.0	194	20.9
1991	9 636	58.4	8 758	69.5	30.5	878	9.1	1 050	48.8	819	72.2	27.8	231	22.0
1992	9 573	58.0	8 662	70.2	29.8	911	9.5	1 029	45.8	829	73.2	26.8	200	19.4
1993	9 621	57.9	8 764	70.1	29.9	857	8.9	1 125	47.4	869	70.0	30.0	257	22.8
1994	10 328	60.3	9 394	67.1	32.9	935	9.1	1 379	52.2	1 062	70.0	30.0	317	23.0
1995	10 395	62.3	9 587	67.5	32.5	809	7.8	1 328	53.0	1 069	68.6	31.4	259	19.5
1996	10 293	62.3	9 592	68.4	31.6	701	6.8	1 378	55.1	1 099	67.3	32.7	279	20.2
1997	10 610	65.0	9 800	70.5	29.5	810	7.6	1 755	65.1	1 424	71.6	28.4	330	18.8
1998	10 619	65.2	9 839	69.8	30.2	780	7.3	1 755	67.3	1 448	71.7	28.3	307	17.5
1999	10 322	64.4	9 674	69.0	31.0	648	6.3	1 811	68.1	1 565	71.0	29.0	246	13.6
2000	10 316	65.3	9 763	70.5	29.5	553	5.4	1 835	70.5	1 603	75.3	24.7	232	12.6
2001	10 200	64.9	9 618	71.2	28.8	582	5.7	1 783	69.7	1 542	79.1	20.9	242	13.6
2002	10 193	64.1	9 441	70.4	29.6	752	7.4	1 819	71.0	1 568	74.5	25.5	251	13.8
2003	10 209	62.9	9 433	70.0	30.0	776	7.6	1 893	70.2	1 614	75.2	24.8	279	14.7
2004	10 131	62.2	9 407	69.4	30.6	724	7.1	1 885	68.4	1 605	70.1	29.9	279	14.8

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-54. Employment Status of Ever-Married Women and Married Women, Spouse Present, by Presence and Age of Children, March 1988–2004

(Thousands of people, percent.)

Age of children and year	Ever-married women ¹							Married women, spouse present						
	Civilian labor force	Civilian labor force as percent of population	Employed			Unemployed		Civilian labor force	Civilian labor force as percent of population	Employed			Unemployed	
			Number	Percent full-time	Percent part-time	Number	Percent of labor force			Number	Percent full-time	Percent part-time	Number	Percent of labor force
WOMEN WITH NO CHILDREN UNDER 18														
1988	20 073	44.6	19 373	77.7	22.3	700	3.5	13 460	48.9	13 058	76.3	23.7	401	3.0
1989	20 810	45.6	20 118	78.1	21.9	692	3.3	14 044	50.5	13 633	77.2	22.8	411	2.9
1990	21 464	46.1	20 779	79.1	20.9	685	3.2	14 467	51.1	14 068	77.3	22.7	399	2.8
1991	21 575	46.1	20 637	78.4	21.6	937	4.3	14 529	51.2	13 976	77.6	22.4	552	3.8
1992	22 132	46.6	21 108	78.5	21.5	1 024	4.6	14 851	51.9	14 247	77.8	22.2	604	4.1
1993	22 273	46.6	21 275	79.0	21.0	998	4.5	15 211	52.4	14 630	77.6	22.4	581	3.8
1994	22 716	47.6	21 669	77.1	22.9	1 047	4.6	15 234	53.2	14 641	75.6	24.4	593	3.9
1995	22 973	47.3	22 134	77.4	22.6	839	3.7	15 594	53.2	15 072	76.3	23.7	522	3.3
1996	23 337	47.7	22 444	78.1	21.9	893	3.8	15 628	53.4	15 123	76.8	23.2	506	3.2
1997	23 890	48.3	23 130	78.9	21.1	760	3.2	15 750	54.2	15 315	77.7	22.3	435	2.8
1998	24 366	48.7	23 598	79.3	20.7	767	3.1	16 007	54.1	15 581	78.3	21.7	426	2.7
1999	24 881	48.9	24 098	79.7	20.3	783	3.1	16 484	54.4	16 061	78.2	21.8	423	2.6
2000	25 465	49.4	24 695	80.3	19.7	769	3.0	16 786	54.7	16 357	79.1	20.9	429	2.6
2001	25 959	49.6	25 226	80.4	19.6	733	2.8	16 909	54.8	16 528	78.7	21.3	381	2.3
2002	26 423	49.1	25 356	80.0	20.0	1 068	4.0	17 353	54.8	16 780	78.4	21.6	573	3.3
2003	27 361	50.1	26 238	79.7	20.3	1 123	4.1	17 901	55.7	17 273	78.6	21.4	628	3.5
2004	27 461	49.8	26 329	79.3	20.7	1 131	4.1	17 965	55.0	17 367	78.6	21.4	598	3.3
WOMEN WITH CHILDREN UNDER 18														
1988	20 170	66.3	19 074	72.6	27.4	1 096	5.4	16 218	65.0	15 441	69.6	30.4	776	4.8
1989	20 411	66.7	19 446	72.5	27.5	965	4.7	16 445	65.6	15 813	69.6	30.4	632	3.8
1990	20 671	67.8	19 621	72.6	27.4	1 051	5.1	16 500	66.3	15 803	69.8	30.2	698	4.2
1991	20 673	67.9	19 416	72.8	27.2	1 257	6.1	16 575	66.8	15 692	70.1	29.9	883	5.3
1992	21 040	68.8	19 633	73.6	26.4	1 407	6.7	16 835	67.8	15 884	71.3	28.7	952	5.7
1993	21 194	68.3	20 011	73.9	26.1	1 183	5.6	16 947	67.5	16 127	71.4	28.6	820	4.8
1994	22 025	69.8	20 722	70.5	29.5	1 303	5.9	17 628	69.0	16 755	68.0	32.0	873	5.0
1995	22 591	71.1	21 441	71.5	28.5	1 150	5.1	17 969	70.2	17 195	68.8	31.2	774	4.3
1996	22 475	71.4	21 556	72.5	27.5	919	4.1	17 754	70.0	17 136	69.6	30.4	618	3.5
1997	22 831	72.6	21 777	73.9	26.1	1 054	4.6	18 157	71.1	17 521	71.6	28.4	636	3.5
1998	22 650	72.3	21 665	73.8	26.2	985	4.3	18 129	70.6	17 447	71.5	28.5	682	3.8
1999	22 419	71.9	21 611	73.9	26.1	808	3.6	17 865	70.1	17 342	71.5	28.5	523	2.9
2000	22 722	72.7	21 960	74.0	26.0	763	3.4	18 174	70.6	17 641	71.7	28.3	533	2.9
2001	22 729	73.0	21 934	74.9	25.1	795	3.5	18 325	70.8	17 745	72.6	27.4	580	3.2
2002	22 917	71.8	21 794	74.3	25.7	1 122	4.9	18 271	69.6	17 515	71.7	28.3	756	4.1
2003	22 979	71.5	21 809	73.7	26.3	1 170	5.1	18 284	69.2	17 533	71.0	29.0	751	4.1
2004	22 651	70.5	21 576	73.8	26.2	1 075	4.7	17 953	68.2	17 215	71.3	28.7	738	4.1
WOMEN WITH CHILDREN UNDER 6														
1988	8 031	57.6	7 478	68.7	31.3	552	6.9	6 950	57.1	6 527	66.4	33.6	422	6.1
1989	8 169	57.8	7 756	67.8	32.2	413	5.1	7 034	57.4	6 749	66.0	34.0	285	4.1
1990	8 467	59.5	7 996	69.1	30.9	471	5.6	7 247	58.9	6 901	67.4	32.6	346	4.8
1991	8 585	59.9	7 938	69.2	30.8	647	7.5	7 434	59.9	6 933	67.5	32.5	501	6.7
1992	8 544	60.0	7 832	69.9	30.1	711	8.3	7 333	59.9	6 819	68.5	31.5	514	7.0
1993	8 496	59.6	7 895	70.2	29.8	600	7.1	7 289	59.6	6 840	68.8	31.2	450	6.2
1994	8 949	61.8	8 332	66.7	33.3	617	6.9	7 723	61.7	7 291	65.4	34.6	432	5.6
1995	9 067	63.9	8 517	67.4	32.6	550	6.1	7 759	63.5	7 349	66.1	33.9	409	5.3
1996	8 915	63.6	8 493	68.6	31.4	422	4.7	7 590	62.7	7 297	66.5	33.5	293	3.9
1997	8 856	64.9	8 376	70.3	29.7	480	5.4	7 582	63.6	7 252	69.1	30.9	330	4.4
1998	8 864	64.8	8 391	69.5	30.5	473	5.3	7 655	63.7	7 309	68.1	31.9	346	4.5
1999	8 511	63.7	8 109	68.6	31.4	402	4.7	7 246	61.8	6 979	67.1	32.9	267	3.7
2000	8 481	64.3	8 159	69.5	30.5	321	3.8	7 341	62.8	7 087	68.1	31.9	254	3.5
2001	8 417	64.0	8 077	69.7	30.3	340	4.0	7 319	62.5	7 062	68.5	31.5	257	3.5
2002	8 373	62.8	7 873	69.6	30.4	501	6.0	7 166	60.8	6 804	67.7	32.3	363	5.1
2003	8 315	61.4	7 818	68.9	31.1	497	6.0	7 175	59.8	6 826	67.1	32.9	349	4.9
2004	8 246	61.0	7 801	69.3	30.7	445	5.4	7 107	59.3	6 774	68.1	31.9	332	4.7

¹Ever-married women are women who are, or have been married.

Table 1-55. Employment Status of Women Who Maintain Families by Marital Status and Presence and Age of Children, March 1990–2004

(Thousands of people, percent.)

Family status, age of children, and year	Civilian noninstitutional population	Civilian labor force					Not in the labor force
		Number	Percent of the population	Employed	Unemployed		
					Number	Percent of the labor force	
WOMEN WHO MAINTAIN FAMILIES, TOTAL							
1990	11 309	7 088	62.7	6 471	617	8.7	4 221
1991	11 765	7 329	62.3	6 657	672	9.2	4 436
1992	12 214	7 517	61.5	6 798	719	9.6	4 697
1993	12 489	7 777	62.3	7 093	684	8.8	4 712
1994	12 963	8 214	63.4	7 413	801	9.8	4 750
1995	12 762	8 192	64.2	7 527	665	8.1	4 570
1996	12 993	8 460	65.1	7 832	628	7.4	4 532
1997	13 258	8 998	67.9	8 192	806	9.0	4 260
1998	13 102	8 976	68.5	8 309	667	7.4	4 127
1999	13 191	9 213	69.8	8 596	617	6.7	3 978
2000	13 145	9 226	70.2	8 592	634	6.9	3 918
2001	12 930	9 034	69.9	8 453	581	6.4	3 897
2002	13 489	9 523	70.6	8 755	768	8.1	3 966
2003	14 000	9 759	69.7	8 898	861	8.8	4 241
2004	14 165	9 869	69.7	9 054	815	8.3	4 297
WOMEN WITH NO CHILDREN UNDER 18							
1990	4 290	2 227	51.9	2 132	95	4.3	2 062
1991	4 447	2 364	53.2	2 231	133	5.6	2 083
1992	4 651	2 427	52.2	2 307	120	4.9	2 223
1993	4 708	2 466	52.4	2 339	127	5.2	2 242
1994	4 758	2 609	54.8	2 489	120	4.6	2 149
1995	4 610	2 471	53.6	2 394	77	3.1	2 139
1996	4 847	2 552	52.7	2 462	90	3.5	2 295
1997	4 909	2 663	54.2	2 571	92	3.5	2 246
1998	4 952	2 649	53.5	2 578	71	2.7	2 303
1999	4 942	2 667	54.0	2 556	111	4.2	2 275
2000	5 097	2 707	53.1	2 546	161	5.9	2 390
2001	5 185	2 772	53.5	2 668	104	3.8	2 413
2002	5 119	2 764	54.0	2 628	136	4.9	2 355
2003	5 457	2 934	53.8	2 728	206	7.0	2 522
2004	5 551	3 052	55.0	2 855	197	6.5	2 499
WOMEN WITH CHILDREN UNDER 18							
1990	7 018	4 860	69.3	4 338	522	10.7	2 159
1991	7 318	4 965	67.8	4 426	539	10.9	2 353
1992	7 564	5 090	67.3	4 491	599	11.8	2 473
1993	7 781	5 311	68.3	4 755	556	10.5	2 470
1994	8 205	5 604	68.3	4 924	680	12.1	2 601
1995	8 152	5 720	70.2	5 132	588	10.3	2 431
1996	8 146	5 908	72.5	5 370	538	9.1	2 237
1997	8 348	6 335	75.9	5 621	714	11.3	2 014
1998	8 151	6 327	77.6	5 731	596	9.4	1 823
1999	8 248	6 546	79.4	6 040	506	7.7	1 702
2000	8 048	6 520	81.0	6 046	474	7.3	1 528
2001	7 746	6 261	80.8	5 785	476	7.6	1 484
2002	8 370	6 759	80.8	6 127	632	9.4	1 611
2003	8 543	6 825	79.9	6 170	655	9.6	1 718
2004	8 614	6 817	79.1	6 199	618	9.1	1 798
SINGLE WOMEN WITH NO CHILDREN UNDER 18							
1990	642	450	70.1	425	25	5.6	192
1991	682	469	68.8	441	28	6.0	214
1992	745	505	67.8	475	30	5.9	241
1993	752	531	70.6	494	37	7.0	221
1994	704	490	69.6	451	39	8.0	213
1995	779	534	68.5	508	26	4.9	245
1996	895	588	65.7	572	16	2.7	308
1997	860	585	68.0	563	22	3.8	275
1998	893	637	71.3	613	24	3.8	256
1999	969	674	69.6	638	36	5.3	295
2000	1 004	720	71.7	642	78	10.8	284
2001	1 096	787	71.8	756	31	3.9	309
2002	1 154	796	69.0	747	49	6.2	358
2003	1 254	814	64.9	713	101	12.4	440
2004	1 381	977	70.7	887	90	9.2	404

Table 1-55. Employment Status of Women Who Maintain Families by Marital Status and Presence and Age of Children, March 1990–2004—Continued

(Thousands of people, percent.)

Family status, age of children, and year	Civilian noninstitutional population	Civilian labor force					Not in the labor force
		Number	Percent of the population	Employed	Unemployed		
					Number	Percent of the labor force	
SINGLE WOMEN WITH CHILDREN UNDER 18							
1990	1 953	1 095	56.1	874	221	20.2	858
1991	2 208	1 187	53.8	985	202	17.0	1 021
1992	2 376	1 256	52.9	1 067	189	15.0	1 120
1993	2 445	1 414	57.8	1 161	253	17.9	1 031
1994	2 790	1 625	58.2	1 328	297	18.3	1 165
1995	2 613	1 510	57.8	1 261	249	16.5	1 102
1996	2 639	1 633	61.9	1 346	287	17.6	1 006
1997	3 012	2 087	69.3	1 749	338	16.2	925
1998	3 083	2 280	74.0	1 960	320	14.0	803
1999	3 163	2 415	76.4	2 146	269	11.1	748
2000	3 167	2 413	76.2	2 151	262	10.9	754
2001	3 097	2 351	75.9	2 055	296	12.6	745
2002	3 315	2 566	77.4	2 241	325	12.7	749
2003	3 421	2 584	75.5	2 272	312	12.1	837
2004	3 414	2 568	75.2	2 233	335	13.0	846
WIDOWED, DIVORCED OR SEPARATED WOMEN WITH NO CHILDREN UNDER 18							
1990	3 648	1 778	48.7	1 708	70	3.9	1 870
1991	3 765	1 896	50.4	1 791	105	5.5	1 869
1992	3 905	1 923	49.2	1 832	91	4.7	1 982
1993	3 956	1 935	48.9	1 845	90	4.7	2 021
1994	4 054	2 118	52.2	2 037	81	3.8	1 936
1995	3 831	1 938	50.6	1 887	51	2.6	1 894
1996	3 952	1 964	49.7	1 890	74	3.8	1 988
1997	4 049	2 077	51.3	2 008	69	3.3	1 971
1998	4 058	2 011	49.6	1 965	46	2.3	2 047
1999	3 974	1 993	50.2	1 918	75	3.8	1 980
2000	4 093	1 987	48.5	1 904	83	4.2	2 106
2001	4 088	1 985	48.6	1 912	73	3.7	2 104
2002	3 964	1 968	49.6	1 882	86	4.4	1 997
2003	4 203	2 121	50.5	2 016	105	5.0	2 082
2004	4 170	2 075	49.8	1 968	107	5.2	2 095
WIDOWED, DIVORCED OR SEPARATED WOMEN WITH CHILDREN UNDER 18							
1990	5 065	3 765	74.3	3 464	301	8.0	1 301
1991	5 109	3 778	73.9	3 441	337	8.9	1 331
1992	5 187	3 834	73.9	3 424	410	10.7	1 353
1993	5 336	3 897	73.0	3 594	303	7.8	1 439
1994	5 415	3 979	73.5	3 596	383	9.6	1 436
1995	5 539	4 210	76.0	3 871	339	8.1	1 329
1996	5 507	4 275	77.6	4 024	251	5.9	1 231
1997	5 337	4 248	79.6	3 872	376	8.9	1 089
1998	5 068	4 047	79.9	3 771	276	6.8	1 020
1999	5 086	4 131	81.2	3 894	237	5.7	955
2000	4 881	4 107	84.1	3 895	212	5.2	774
2001	4 649	3 910	84.1	3 730	180	4.6	739
2002	5 056	4 193	82.9	3 886	307	7.3	862
2003	5 122	4 241	82.8	3 898	343	8.1	881
2004	5 201	4 249	81.7	3 966	283	6.7	952

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-56. Number and Age of Children in Families by Type of Family and Labor Force Status of Mother, March 1988–2004

(Thousands of children.)

Age of children and year	Total children	Mother in labor force	Mother not in labor force	Married-couple families			Families maintained by women			Families maintained by men
				Total	Mother in labor force	Mother not in labor force	Total	Mother in labor force	Mother not in labor force	
CHILDREN UNDER 16 YEARS										
1988	58 716	35 279	21 799	45 474	28 091	17 384	11 603	7 188	4 415	1 638
1989	59 483	36 050	21 757	45 988	28 673	17 315	11 819	7 377	4 442	1 676
1990	59 596	36 712	21 110	45 898	29 077	16 820	11 925	7 635	4 290	1 774
1991	60 330	36 968	21 526	45 912	29 056	16 856	12 582	7 912	4 670	1 836
1992	61 262	38 081	21 176	45 966	29 882	16 084	13 291	8 199	5 093	2 005
1993	62 020	38 542	21 444	46 499	30 054	16 445	13 487	8 488	4 999	2 034
1994	63 407	40 186	21 188	47 247	31 279	15 968	14 127	8 907	5 220	2 033
1995	63 989	41 365	20 421	47 675	32 190	15 486	14 111	9 176	4 935	2 202
1996	64 506	41 573	20 449	47 484	31 764	15 720	14 538	9 809	4 729	2 484
1997	64 710	42 747	19 223	47 529	32 263	15 265	14 441	10 483	3 958	2 740
1998	65 043	43 156	19 069	47 909	32 533	15 376	14 317	10 623	3 694	2 818
1999	65 191	43 419	19 074	47 945	32 193	15 752	14 547	11 226	3 322	2 699
2000	65 601	44 188	18 674	48 902	33 149	15 753	13 960	11 039	2 921	2 739
2001	65 777	44 051	18 864	49 352	33 436	15 916	13 563	10 615	2 948	2 862
2002	65 978	43 821	19 243	48 836	32 673	16 163	14 228	11 149	3 079	2 914
2003	66 521	43 769	19 782	49 004	32 411	16 593	14 547	11 359	3 189	2 970
2004	66 386	43 144	20 229	48 656	31 892	16 764	14 717	11 252	3 465	3 014
CHILDREN FROM 6 TO 17 YEARS										
1988	38 744	24 957	12 614	29 304	19 394	9 910	8 268	5 563	2 705	1 172
1989	39 084	25 421	12 451	29 637	19 861	9 777	8 235	5 561	2 674	1 212
1990	39 095	25 805	12 079	29 726	20 067	9 659	8 157	5 737	2 420	1 211
1991	39 470	25 806	12 392	29 598	19 907	9 691	8 599	5 899	2 701	1 272
1992	40 064	26 666	12 067	29 673	20 586	9 087	9 060	6 079	2 980	1 331
1993	40 622	27 046	12 291	30 233	20 796	9 437	9 104	6 249	2 854	1 285
1994	41 795	28 179	12 287	30 895	21 663	9 233	9 570	6 516	3 054	1 329
1995	42 423	28 931	12 000	31 298	22 239	9 059	9 633	6 692	2 941	1 492
1996	42 964	29 381	11 897	31 231	22 092	9 139	10 047	7 289	2 758	1 685
1997	43 488	30 308	11 400	31 509	22 602	8 906	10 199	7 705	2 493	1 781
1998	43 771	30 579	11 367	31 707	22 706	9 001	10 238	7 873	2 365	1 826
1999	44 110	30 885	11 370	31 975	22 706	9 269	10 281	8 179	2 101	1 855
2000	44 562	31 531	11 198	32 732	23 393	9 339	9 997	8 138	1 859	1 833
2001	44 458	31 411	11 153	32 957	23 599	9 358	9 608	7 813	1 795	1 894
2002	44 865	31 437	11 510	32 799	23 296	9 504	10 148	8 142	2 006	1 918
2003	45 273	31 559	11 635	32 782	23 160	9 622	10 412	8 399	2 013	2 080
2004	45 066	31 040	11 968	32 506	22 736	9 769	10 502	8 304	2 199	2 058
CHILDREN UNDER 6 YEARS										
1988	19 972	10 321	9 185	16 171	8 696	7 474	3 335	1 625	1 711	466
1989	20 399	10 628	9 306	16 351	8 812	7 539	3 584	1 816	1 767	465
1990	20 502	10 907	9 031	16 171	9 010	7 161	3 767	1 897	1 870	563
1991	20 860	11 162	9 134	16 313	9 148	7 165	3 983	2 013	1 969	563
1992	21 198	11 415	9 109	16 293	9 296	6 997	4 232	2 119	2 112	674
1993	21 398	11 496	9 153	16 266	9 258	7 008	4 383	2 239	2 145	749
1994	21 612	12 007	8 901	16 352	9 617	6 735	4 556	2 391	2 166	704
1995	21 566	12 435	8 421	16 377	9 951	6 427	4 478	2 484	1 995	710
1996	21 542	12 192	8 552	16 253	9 672	6 581	4 491	2 520	1 971	799
1997	21 222	12 439	7 823	16 020	9 661	6 359	4 243	2 778	1 464	959
1998	21 272	12 577	7 703	16 201	9 827	6 375	4 079	2 751	1 328	992
1999	21 081	12 533	7 704	15 971	9 487	6 484	4 267	3 046	1 220	844
2000	21 039	12 657	7 476	16 170	9 757	6 413	3 963	2 901	1 062	906
2001	21 318	12 640	7 711	16 395	9 837	6 558	3 956	2 802	1 153	968
2002	21 113	12 384	7 733	16 037	9 377	6 660	4 080	3 007	1 073	996
2003	21 248	12 210	8 147	16 222	9 251	6 971	4 136	2 960	1 176	890
2004	21 321	12 104	8 261	16 151	9 156	6 995	4 214	2 948	1 266	956

Note: See "Notes and Definitions" for information on historical comparability.

Table 1-58. Employment Status of the Civilian Noninstitutional Population by Citizenship Status and Sex, 1999–2003

(Thousands of people, percent.)

Year, employment status, and sex	Total		Citizenship status					
	Number	Percent	Native		Naturalized citizen		Not a citizen	
			Number	Percent	Number	Percent	Number	Percent
1999								
Total, 16 Years and Over								
Civilian labor force	138 120	100.0	122 006	100.0	6 171	100.0	9 943	100.0
Employed	131 806	95.4	116 569	95.5	5 915	95.9	9 322	93.8
Unemployed	6 314	4.6	5 437	4.5	256	4.1	621	6.2
Men, 16 Years and Over								
Civilian labor force	73 334	100.0	63 844	100.0	3 306	100.0	6 183	100.0
Employed	69 912	95.3	60 890	95.4	3 184	96.3	5 838	94.4
Unemployed	3 422	4.7	2 955	4.6	122	3.7	345	5.6
Women, 16 Years and Over								
Civilian labor force	64 786	100.0	58 161	100.0	2 864	100.0	3 760	100.0
Employed	61 894	95.5	55 679	95.7	2 731	95.3	3 485	92.7
Unemployed	2 891	4.5	2 482	4.3	134	4.7	275	7.3
2000								
Total, 16 Years and Over								
Civilian labor force	140 454	67.2	123 070	67.3	6 720	65.2	10 664	67.5
Employed	134 338	95.6	117 806	95.7	6 499	96.7	10 033	94.1
Unemployed	6 116	4.4	5 264	4.3	221	3.3	631	5.9
Men, 16 Years and Over								
Civilian labor force	74 517	74.2	64 183	73.4	3 623	74.3	6 712	82.8
Employed	71 237	95.6	61 364	95.6	3 520	97.2	6 353	94.7
Unemployed	3 281	4.4	2 820	4.4	102	2.8	359	5.3
Women, 16 Years and Over								
Civilian labor force	65 937	60.7	58 886	61.6	3 098	57.1	3 953	51.4
Employed	63 102	95.7	56 442	95.8	2 979	96.2	3 680	93.1
Unemployed	2 835	4.3	2 444	4.2	119	3.8	273	6.9
2001								
Total, 16 Years and Over								
Civilian labor force	143 705	67.1	123 691	66.9	7 529	65.9	12 485	69.7
Employed	136 995	95.3	118 016	95.4	7 288	96.8	11 691	93.6
Unemployed	6 710	4.7	5 675	4.6	241	3.2	794	6.4
Men, 16 Years and Over								
Civilian labor force	76 439	74.3	64 461	73.2	4 051	75.6	7 927	84.3
Employed	72 602	95.0	61 190	94.9	3 925	96.9	7 486	94.4
Unemployed	3 838	5.0	3 271	5.1	126	3.1	441	5.6
Women, 16 Years and Over								
Civilian labor force	67 266	60.4	59 230	61.1	3 478	57.3	4 558	53.6
Employed	64 393	95.7	56 826	95.9	3 363	96.7	4 205	92.3
Unemployed	2 873	4.3	2 404	4.1	116	3.3	353	7.7
2002								
Total, 16 Years and Over								
Civilian labor force	144 100	100.0	123 764	100.0	7 601	100.0	12 735	100.0
Employed	135 154	93.8	116 221	93.9	7 202	94.7	11 731	92.1
Unemployed	8 946	6.2	7 543	6.1	399	5.3	1 004	7.9
Men, 16 Years and Over								
Civilian labor force	76 682	100.0	64 561	100.0	4 031	100.0	8 090	100.0
Employed	71 505	93.2	60 210	93.3	3 812	94.6	7 483	92.5
Unemployed	5 177	6.8	4 351	6.7	219	5.4	607	7.5
Women, 16 Years and Over								
Civilian labor force	67 419	100.0	59 203	100.0	3 571	100.0	4 645	100.0
Employed	63 649	94.4	56 011	94.6	3 390	94.9	4 248	91.4
Unemployed	3 770	5.6	3 192	5.4	181	5.1	397	8.6
2003								
Total, 16 Years and Over								
Civilian labor force	145 616	100.0	124 791	100.0	7 988	100.0	12 838	100.0
Employed	136 277	93.6	117 004	93.8	7 509	94.0	11 764	91.6
Unemployed	9 339	6.4	7 787	6.2	479	6.0	1 074	8.4
Men, 16 Years and Over								
Civilian labor force	77 375	100.0	65 029	100.0	4 262	100.0	8 084	100.0
Employed	72 011	93.1	60 548	93.1	4 008	94.0	7 455	92.2
Unemployed	5 364	6.9	4 481	6.9	254	6.0	630	7.8
Women, 16 Years and Over								
Civilian labor force	68 241	100.0	59 761	100.0	3 726	100.0	4 754	100.0
Employed	64 266	94.2	56 456	94.5	3 501	93.9	4 309	90.7
Unemployed	3 975	5.8	3 305	5.5	225	6.1	444	9.3

Table 1-59. Employed Civilians by Occupation, Citizenship Status, and Sex, 2003

(Thousands of people, percent.)

Occupation and sex	Total		Citizenship status					
	Number	Percent	Native		Naturalized citizen		Not a citizen	
			Number	Percent	Number	Percent	Number	Percent
TOTAL	136 277	100.0	117 004	100.0	7 509	100.0	11 764	100.0
Management, professional, and related occupations	47 573	34.9	42 397	36.2	2 731	36.4	2 445	20.8
Management, business, and financial	20 115	14.8	18 115	15.5	1 131	15.1	868	7.4
Professional and related	27 457	20.1	24 282	20.8	1 599	21.3	1 576	13.4
Service occupations	21 893	16.1	17 401	14.9	1 398	18.6	3 095	26.3
Sales and office occupations	35 501	26.1	32 026	27.4	1 639	21.8	1 835	15.6
Sales and related	15 899	11.7	14 152	12.1	800	10.6	947	8.1
Office and administrative	19 601	14.4	17 874	15.3	840	11.2	888	7.5
Farming, fishing, and forestry occupations	877	0.6	574	0.5	52	0.7	251	2.1
Construction, extraction, and maintenance occupations	12 780	9.4	10 504	9.0	574	7.6	1 703	14.5
Construction and extraction	7 867	5.8	6 165	5.3	362	4.8	1 340	11.4
Installation, maintenance, and repair	4 913	3.6	4 340	3.7	211	2.8	362	3.1
Production, transportation, and material moving occupations	17 653	13.0	14 102	12.1	1 116	14.9	2 436	20.7
Production	9 536	7.0	7 353	6.3	692	9.2	1 491	12.7
Transportation and material moving occupations	8 117	6.0	6 749	5.8	423	5.6	945	8.0
MEN	72 011	100.0	60 548	100.0	4 008	100.0	7 455	100.0
Management, professional, and related occupations	23 362	32.4	20 487	33.8	1 432	35.7	1 443	19.4
Management, business, and financial	11 502	16.0	10 307	17.0	653	16.3	542	7.3
Professional and related	11 860	16.5	10 181	16.8	780	19.5	900	12.1
Service occupations	9 254	12.9	7 113	11.7	574	14.3	1 567	21.0
Sales and office occupations	12 915	17.9	11 439	18.9	661	16.5	814	10.9
Sales and related	8 231	11.4	7 349	12.1	423	10.5	458	6.2
Office and administrative	4 684	6.5	4 090	6.8	238	5.9	356	4.8
Farming, fishing, and forestry occupations	672	0.9	441	0.7	31	0.8	199	2.7
Construction, extraction, and maintenance occupations	12 352	17.2	10 134	16.7	560	14.0	1 658	22.2
Construction and extraction	7 662	10.6	5 995	9.9	355	8.8	1 313	17.6
Installation, maintenance, and repair	4 690	6.5	4 139	6.8	206	5.1	345	4.6
Production, transportation, and material moving occupations	13 456	18.7	10 933	18.1	750	18.7	1 773	23.8
Production	6 581	9.1	5 199	8.6	406	10.1	976	13.1
Transportation and material moving occupations	6 875	9.5	5 735	9.5	344	8.6	797	10.7
WOMEN	64 266	100.0	56 456	100.0	3 501	100.0	4 309	100.0
Management, professional, and related occupations	24 210	37.7	21 910	38.8	1 298	37.1	1 002	23.3
Management, business, and financial	8 613	13.4	7 808	13.8	479	13.7	326	7.6
Professional and related	15 597	24.3	14 101	25.0	820	23.4	676	15.7
Service occupations	12 639	19.7	10 288	18.2	824	23.5	1 527	35.4
Sales and office occupations	22 586	35.1	20 587	36.5	978	27.9	1 021	23.7
Sales and related	7 669	11.9	6 803	12.0	377	10.8	489	11.3
Office and administrative	14 917	23.2	13 784	24.4	601	17.2	532	12.3
Farming, fishing, and forestry occupations	205	0.3	133	0.2	21	0.6	52	1.2
Construction, extraction, and maintenance occupations	428	0.7	370	0.7	13	0.4	45	1.0
Construction and extraction	205	0.3	170	0.3	8	0.2	27	0.6
Installation, maintenance, and repair	223	0.3	200	0.4	6	0.2	17	0.4
Production, transportation, and material moving occupations	4 197	6.5	3 169	5.6	366	10.5	662	15.4
Production	2 956	4.6	2 154	3.8	286	8.2	515	12.0
Transportation and material moving occupations	1 242	1.9	1 014	1.8	80	2.3	147	3.4

Table 1-60. Total Earnings of Full-Time, Year-Round Workers 15 Years and Over by Sex and U.S. Citizenship Status, 2002

(Thousands of people, percent.)

Sex and money earnings	Total		Citizenship status					
	Number	Percent	Native		Naturalized citizen		Not a citizen	
			Number	Percent	Number	Percent	Number	Percent
TOTAL	100 621	100.0	85 789	100.0	6 058	100.0	8 774	100.0
\$1 to \$9,999 or less	3 148	3.1	2 485	2.9	177	2.9	486	5.5
\$10,000 to \$14,999	6 350	6.3	4 570	5.3	375	6.2	1 404	16.0
\$15,000 to \$19,999	9 205	9.1	7 129	8.3	555	9.2	1 521	17.3
\$20,000 to \$24,999	11 071	11.0	9 021	10.5	710	11.7	1 340	15.3
\$25,000 to \$34,999	20 442	20.3	17 725	20.7	1 206	19.9	1 511	17.2
\$35,000 to \$49,999	21 227	21.1	18 913	22.0	1 173	19.4	1 141	13.0
\$50,000 to \$74,999	16 642	16.5	14 910	17.4	985	16.3	747	8.5
\$75,000 and over	12 536	12.5	11 035	12.9	877	14.5	624	7.1
Median earnings (dollars)	35 038	(X)	35 956	(X)	35 032	(X)	22 687	(X)
MEN	58 752	100.0	49 249	100.0	3 497	100.0	6 006	100.0
\$1 to \$9,999 or less	1 623	2.8	1 256	2.6	96	2.7	271	4.5
\$10,000 to \$14,999	2 800	4.8	1 846	3.7	159	4.5	795	13.2
\$15,000 to \$19,999	4 369	7.4	3 049	6.2	264	7.5	1 056	17.6
\$20,000 to \$24,999	5 370	9.1	4 077	8.3	363	10.4	931	15.5
\$25,000 to \$34,999	10 733	18.3	9 014	18.3	625	17.9	1 094	18.2
\$35,000 to \$49,999	12 414	21.1	10 960	22.3	675	19.3	779	13.0
\$50,000 to \$74,999	11 433	19.5	10 254	20.8	635	18.2	544	9.1
\$75,000 and over	10 010	17.0	8 792	17.9	681	19.5	537	8.9
Median earnings (dollars)	39 429	(X)	41 015	(X)	39 341	(X)	24 576	(X)
WOMEN	41 869	100.0	36 540	100.0	2 561	100.0	2 768	100.0
\$1 to \$9,999 or less	1 525	3.6	1 229	3.4	81	3.2	215	7.8
\$10,000 to \$14,999	3 550	8.5	2 724	7.5	217	8.5	610	22.0
\$15,000 to \$19,999	4 836	11.5	4 080	11.2	291	11.4	465	16.8
\$20,000 to \$24,999	5 700	13.6	4 945	13.5	347	13.5	409	14.8
\$25,000 to \$34,999	9 709	23.2	8 711	23.8	581	22.7	416	15.0
\$35,000 to \$49,999	8 813	21.0	7 953	21.8	498	19.4	362	13.1
\$50,000 to \$74,999	5 209	12.4	4 656	12.7	350	13.7	203	7.3
\$75,000 and over	2 526	6.0	2 243	6.1	196	7.6	88	3.2
Median earnings (dollars)	30 203	(X)	30 635	(X)	30 388	(X)	20 774	(X)

(X) = Not applicable

Table 1-61. Percentage Distribution of the Civilian Labor Force 25 to 64 Years of Age by Educational Attainment, Sex, and Race, March 1990–2004

Sex, race, and year	Civilian labor force (thousands)	Percent distribution				
		Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
TOTAL						
1990	99 175	100.0	13.4	39.5	20.7	26.4
1991	100 480	100.0	13.0	39.4	21.1	26.5
1992	102 387	100.0	12.2	36.2	25.2	26.4
1993	103 504	100.0	11.5	35.2	26.3	27.0
1994	104 868	100.0	11.0	34.0	27.7	27.3
1995	106 519	100.0	10.8	33.1	27.8	28.3
1996	108 037	100.0	10.9	32.9	27.7	28.5
1997	110 514	100.0	10.9	33.0	27.4	28.6
1998	111 857	100.0	10.7	32.8	27.4	29.1
1999	112 542	100.0	10.3	32.3	27.4	30.0
2000	114 052	100.0	9.8	31.8	27.9	30.4
2001	115 073	100.0	9.8	31.4	28.1	30.7
2002	117 738	100.0	10.1	30.6	27.7	31.6
2003	119 261	100.0	10.1	30.1	27.8	31.9
2004	119 392	100.0	9.7	30.1	27.8	32.4
MEN						
1990	54 476	100.0	15.1	37.2	19.7	28.0
1991	55 165	100.0	14.7	37.5	20.2	27.6
1992	55 917	100.0	13.9	34.7	23.8	27.5
1993	56 544	100.0	13.2	33.9	24.7	28.1
1994	56 633	100.0	12.7	32.9	25.8	28.6
1995	57 454	100.0	12.2	32.3	25.7	29.7
1996	58 121	100.0	12.7	32.2	26.0	29.1
1997	59 268	100.0	12.8	32.2	25.8	29.2
1998	59 905	100.0	12.3	32.3	25.8	29.6
1999	60 030	100.0	11.7	32.0	25.8	30.5
2000	60 510	100.0	11.1	31.8	26.1	30.9
2001	61 091	100.0	11.0	31.6	26.3	31.1
2002	62 794	100.0	11.8	30.6	25.9	31.7
2003	63 466	100.0	12.0	30.1	25.8	32.1
2004	63 699	100.0	11.5	30.5	25.8	32.2
WOMEN						
1990	44 699	100.0	11.3	42.4	21.9	24.5
1991	45 315	100.0	10.9	41.6	22.2	25.2
1992	46 469	100.0	10.2	37.9	26.9	25.0
1993	46 961	100.0	9.3	36.7	28.2	25.8
1994	48 235	100.0	9.1	35.3	29.8	25.8
1995	49 065	100.0	9.1	34.1	30.2	26.6
1996	49 916	100.0	8.8	33.7	29.7	27.8
1997	51 246	100.0	8.7	34.0	29.3	28.0
1998	51 953	100.0	8.8	33.3	29.3	28.6
1999	52 512	100.0	8.7	32.7	29.2	29.5
2000	53 541	100.0	8.4	31.8	30.0	29.8
2001	53 982	100.0	8.5	31.1	30.1	30.2
2002	54 944	100.0	8.2	30.6	29.7	31.5
2003	55 795	100.0	8.0	30.1	30.1	31.8
2004	55 693	100.0	7.7	29.6	30.2	32.5
WHITE¹						
1990	85 238	100.0	12.6	39.6	20.6	27.1
1991	86 344	100.0	12.2	39.3	21.1	27.4
1992	87 656	100.0	11.3	36.1	25.5	27.1
1993	88 457	100.0	10.7	35.0	26.4	27.9
1994	89 009	100.0	10.5	33.7	27.7	28.1
1995	90 192	100.0	10.0	32.8	27.8	29.3
1996	91 506	100.0	10.4	32.8	27.5	29.3
1997	93 179	100.0	10.4	32.8	27.3	29.5
1998	93 527	100.0	10.2	32.7	27.4	29.8
1999	94 216	100.0	9.8	32.2	27.2	30.8
2000	95 073	100.0	9.5	31.8	27.7	31.0
2001	95 562	100.0	9.5	31.0	28.0	31.4
2002	97 699	100.0	9.8	30.6	27.6	32.0
2003	98 241	100.0	9.9	30.0	27.7	32.4
2004	98 030	100.0	9.5	29.8	27.8	32.9
BLACK¹						
1990	10 537	100.0	19.9	42.5	22.1	15.5
1991	10 650	100.0	19.5	42.9	22.1	15.4
1992	10 936	100.0	19.2	40.3	24.9	15.6
1993	11 051	100.0	16.8	39.5	27.6	16.1
1994	11 368	100.0	14.5	39.3	29.2	17.0
1995	11 695	100.0	14.1	38.6	29.6	17.7
1996	11 891	100.0	14.2	37.2	31.2	17.4
1997	12 253	100.0	14.3	37.8	31.3	16.6
1998	12 893	100.0	14.3	37.3	30.1	18.2
1999	12 945	100.0	13.0	37.2	30.4	19.5
2000	13 383	100.0	11.8	36.1	31.5	20.7
2001	13 617	100.0	12.0	37.1	31.1	19.8
2002	13 319	100.0	12.4	34.5	32.0	21.0
2003	13 315	100.0	11.3	35.6	31.5	21.6
2004	13 372	100.0	11.0	36.6	30.5	21.9

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-62. Labor Force Participation Rates of Persons 25 to 64 Years of Age by Educational Attainment, Sex, and Race, March 1990–2004

(Civilian labor force as a percent of the civilian noninstitutional population.)

Sex, race, and year	Participation rates				
	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
TOTAL					
1990	78.6	60.7	78.2	83.3	88.4
1991	78.6	60.7	78.1	83.2	88.4
1992	79.0	60.3	78.3	83.5	88.4
1993	78.9	59.6	77.7	82.9	88.3
1994	78.9	58.3	77.8	83.2	88.2
1995	79.3	59.8	77.3	83.2	88.7
1996	79.4	60.2	77.9	83.7	87.8
1997	80.1	61.7	78.5	83.7	88.5
1998	80.2	63.0	78.4	83.5	88.0
1999	80.0	62.7	78.1	83.0	87.6
2000	80.3	62.7	78.4	83.2	87.8
2001	80.2	63.5	78.4	83.0	87.0
2002	79.7	63.5	77.7	82.1	86.7
2003	79.4	64.1	76.9	81.9	86.2
2004	78.8	63.2	76.1	81.2	85.9
MEN					
1990	88.8	75.1	89.9	91.5	94.5
1991	88.6	75.1	89.3	92.0	94.2
1992	88.6	75.1	89.0	91.8	93.7
1993	88.1	74.9	88.1	90.6	93.7
1994	87.0	71.5	86.8	90.3	93.2
1995	87.4	72.0	86.9	90.1	93.8
1996	87.5	74.3	86.9	90.0	92.9
1997	87.7	75.2	86.4	90.6	93.5
1998	87.8	75.3	86.7	90.0	93.4
1999	87.5	74.4	86.6	89.4	93.0
2000	87.5	74.9	86.2	88.9	93.3
2001	87.4	75.4	85.8	89.1	92.9
2002	87.0	75.5	85.3	88.8	92.4
2003	86.4	76.1	84.3	87.5	92.2
2004	85.9	75.2	83.8	87.0	91.9
WOMEN					
1990	68.9	46.2	68.7	75.9	81.1
1991	69.1	46.2	68.6	75.2	81.8
1992	70.0	45.6	69.1	76.2	82.2
1993	70.0	44.2	68.8	76.1	82.2
1994	71.1	44.7	70.0	77.0	82.5
1995	71.5	47.2	68.9	77.3	82.8
1996	71.8	45.7	69.8	78.1	82.3
1997	72.8	47.1	71.4	77.6	83.2
1998	73.0	49.8	70.9	77.8	82.3
1999	72.8	50.5	70.4	77.4	81.9
2000	73.5	50.4	71.2	78.3	82.0
2001	73.4	51.7	71.3	77.7	80.9
2002	72.7	50.4	70.4	76.4	81.0
2003	72.6	50.5	69.8	77.1	80.1
2004	72.0	49.7	68.6	76.2	80.0
WHITE¹					
1990	79.2	62.5	78.4	83.3	88.3
1991	79.4	62.5	78.3	83.1	88.6
1992	79.8	61.5	78.7	83.8	88.7
1993	79.7	61.1	78.2	83.1	88.8
1994	79.8	60.3	78.3	83.5	88.5
1995	80.1	61.6	77.9	83.4	88.8
1996	80.4	62.5	78.6	83.9	88.2
1997	81.0	63.8	79.2	83.9	89.0
1998	80.6	63.8	78.6	83.5	88.3
1999	80.6	64.2	78.5	83.3	87.9
2000	80.8	64.2	78.7	83.1	87.9
2001	80.7	64.5	78.7	83.1	87.2
2002	80.3	65.0	78.2	82.4	87.0
2003	80.1	65.7	77.5	82.3	86.5
2004	79.5	64.6	76.7	81.6	86.2
BLACK¹					
1990	74.6	54.5	78.2	84.2	92.0
1991	73.9	53.9	77.1	84.1	90.2
1992	74.4	55.4	76.9	83.4	89.1
1993	73.8	53.4	74.7	83.0	89.6
1994	73.5	49.4	75.2	82.4	89.5
1995	74.2	51.0	74.5	82.8	90.9
1996	73.7	50.1	74.3	83.0	87.9
1997	74.9	52.9	75.0	83.8	89.0
1998	77.7	53.3	77.0	85.0	88.8
1999	76.5	55.1	76.5	82.9	88.6
2000	77.9	55.5	77.0	84.2	90.3
2001	78.1	58.7	76.8	83.0	90.5
2002	76.4	56.6	75.0	81.7	88.9
2003	75.8	55.4	73.9	81.2	88.2
2004	75.0	55.2	73.4	79.0	87.9

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-63. Unemployment Rates of Persons 25 to 64 Years of Age by Educational Attainment, Sex, and Race, March 1990–2004

(Unemployment as a percent of the civilian labor force.)

Sex, race, and year	Unemployment rates				
	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
TOTAL					
1990	4.5	9.6	4.9	3.7	1.9
1991	6.1	12.3	6.7	5.0	2.9
1992	6.7	13.5	7.7	5.9	2.9
1993	6.4	13.0	7.3	5.5	3.2
1994	5.8	12.6	6.7	5.0	2.9
1995	4.8	10.0	5.2	4.5	2.5
1996	4.8	10.9	5.5	4.1	2.2
1997	4.4	10.4	5.1	3.8	2.0
1998	4.0	8.5	4.8	3.6	1.8
1999	3.5	7.7	4.0	3.1	1.9
2000	3.3	7.9	3.8	3.0	1.5
2001	3.5	8.1	4.2	2.9	2.0
2002	5.0	10.2	6.1	4.5	2.8
2003	5.3	9.9	6.4	5.2	3.0
2004	5.1	10.5	5.9	4.9	2.9
MEN					
1990	4.8	9.6	5.3	3.9	2.1
1991	6.8	13.4	7.7	5.2	3.2
1992	7.5	14.8	8.8	6.4	3.2
1993	7.3	14.1	8.7	6.3	3.4
1994	6.2	12.8	7.2	5.3	2.9
1995	5.1	10.9	5.7	4.4	2.6
1996	5.3	11.0	6.4	4.5	2.3
1997	4.7	9.9	5.6	4.0	2.1
1998	4.1	8.0	5.1	3.7	1.7
1999	3.5	7.0	4.1	3.2	1.9
2000	3.3	7.1	3.9	3.1	1.6
2001	3.7	7.5	4.6	3.2	1.9
2002	5.5	9.9	6.7	4.9	3.0
2003	5.8	9.5	6.9	6.0	3.2
2004	5.4	9.4	6.6	5.4	3.0
WOMEN					
1990	4.2	9.5	4.6	3.5	1.7
1991	5.2	10.7	5.5	4.8	2.5
1992	5.7	11.4	6.5	5.3	2.5
1993	5.2	11.2	5.8	4.6	2.9
1994	5.4	12.4	6.2	4.7	2.9
1995	4.4	8.6	4.6	4.5	2.4
1996	4.1	10.7	4.4	3.8	2.1
1997	4.1	11.3	4.5	3.6	2.0
1998	3.9	9.3	4.4	3.5	1.9
1999	3.5	8.8	3.9	3.0	1.9
2000	3.2	9.1	3.6	2.9	1.4
2001	3.3	8.9	3.8	2.6	2.0
2002	4.6	10.6	5.4	4.1	2.6
2003	4.8	10.6	5.9	4.4	2.8
2004	4.7	12.2	5.2	4.3	2.9
WHITE¹					
1990	4.0	8.3	4.4	3.3	1.8
1991	5.6	11.6	6.2	4.6	2.7
1992	6.0	12.9	6.8	5.3	2.7
1993	5.8	12.4	6.5	5.0	3.1
1994	5.2	11.7	5.8	4.5	2.6
1995	4.3	9.2	4.6	4.2	2.3
1996	4.2	10.2	4.6	3.7	2.1
1997	3.9	9.4	4.6	3.4	1.8
1998	3.5	7.5	4.2	3.2	1.7
1999	3.1	7.0	3.4	2.8	1.7
2000	3.0	7.5	3.3	2.7	1.4
2001	3.1	7.2	3.6	2.7	1.8
2002	4.6	9.1	5.5	4.1	2.6
2003	4.7	9.0	5.7	4.5	2.7
2004	4.6	9.6	5.4	4.4	2.8
BLACK¹					
1990	8.6	15.9	8.6	6.5	1.9
1991	10.1	15.9	10.3	8.0	5.2
1992	12.4	17.2	14.1	10.7	4.8
1993	10.9	17.3	12.4	8.7	4.1
1994	10.6	17.4	12.2	8.3	4.9
1995	7.7	13.7	8.4	6.3	4.1
1996	8.9	15.3	10.8	6.9	3.3
1997	8.1	16.6	8.2	6.1	4.4
1998	7.3	13.4	8.4	6.4	2.1
1999	6.3	12.0	6.7	5.2	3.3
2000	5.4	10.4	6.3	4.3	2.5
2001	6.5	14.0	7.7	4.3	3.3
2002	8.1	15.4	9.7	6.0	4.1
2003	9.0	14.7	9.9	8.9	4.7
2004	8.4	15.8	9.3	7.9	3.7

¹Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as the main race.

Table 1-64. Workers Age 25 to 64 by Educational Attainment, Occupation of Longest Held Job, and Sex, 2002–2003

(Thousands of people with work experience during the year.)

Sex and occupation	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
2002					
TOTAL	122 561	12 269	37 028	34 249	39 015
Management, business, and financial operations	19 291	439	3 468	5 022	10 361
Management occupations	13 889	407	2 710	3 675	7 096
Business and financial operations occupations	5 402	32	758	1 347	3 265
Professional and related occupations	25 823	223	2 395	5 780	17 425
Computer and mathematical occupations	3 034	13	246	770	2 005
Architecture and engineering occupations	2 491	2	291	554	1 644
Life, physical, and social science occupations	1 295	..	135	177	983
Community and social services occupations	1 977	18	205	383	1 371
Legal occupations	1 274	4	110	202	958
Education, training, and library occupations	7 324	100	614	988	5 622
Arts, design, entertainment, sports, and media	2 413	53	316	677	1 367
Healthcare practitioner and technical occupations	6 015	34	477	2 030	3 475
Service occupations	17 315	3 491	6 998	4 855	1 971
Healthcare supporting occupations	2 487	347	951	948	242
Protective service occupations	2 161	92	678	924	467
Food preparation and serving related occupations	4 730	1 102	2 075	1 165	389
Building and grounds cleaning and maintenance	4 398	1 533	1 852	702	311
Personal care and service occupations	3 539	416	1 444	1 116	562
Sales and office occupations	29 983	1 535	10 483	10 950	7 014
Sales and related occupations	12 893	811	3 990	4 100	3 992
Office and administrative support occupations	17 089	724	6 493	6 850	3 022
Natural resources, construction, and maintenance	13 048	2 907	5 736	3 496	910
Farming, fishing, and forestry occupations	882	430	300	101	52
Construction and extraction occupations	7 565	1 854	3 379	1 765	567
Installation, maintenance, and repair occupations	4 601	624	2 057	1 629	291
Production, transportation, and material moving occupations	16 525	3 668	7 840	3 876	1 141
Production occupations	9 223	2 123	4 278	2 194	628
Transportation and material moving occupations	7 303	1 545	3 562	1 683	512
Armed forces	577	5	107	270	194
MEN	64 986	7 668	19 599	16 986	20 731
Management, business, and financial operations	10 998	295	1 845	2 668	6 190
Management occupations	8 566	278	1 605	2 178	4 505
Business and financial operations occupations	2 433	18	240	490	1 685
Professional and related occupations	11 051	69	808	2 055	8 119
Computer and mathematical occupations	2 161	10	137	555	1 460
Architecture and engineering occupations	2 173	2	237	464	1 469
Life, physical, and social science occupations	764	..	80	121	563
Community and social services occupations	765	9	76	125	555
Legal occupations	614	1	8	17	589
Education, training, and library occupations	1 878	13	46	163	1 655
Arts, design, entertainment, sports, and media	1 253	27	168	364	694
Healthcare practitioner and technical occupations	1 443	7	56	247	1 133
Service occupations	7 025	1 429	2 606	1 982	1 007
Healthcare supporting occupations	210	17	77	78	38
Protective service occupations	1 756	73	519	761	402
Food preparation and serving related occupations	1 910	498	717	492	204
Building and grounds cleaning and maintenance	2 449	766	1 084	419	179
Personal care and service occupations	699	74	209	233	183
Sales and office occupations	10 640	577	2 932	3 609	3 523
Sales and related occupations	6 905	326	1 708	2 298	2 574
Office and administrative support occupations	3 735	251	1 224	1 311	949
Natural resources, construction, and maintenance	12 382	2 718	5 490	3 326	848
Farming, fishing, and forestry occupations	644	299	230	75	40
Construction and extraction occupations	7 365	1 813	3 308	1 705	539
Installation, maintenance, and repair occupations	4 374	605	1 953	1 546	270
Production, transportation, and material moving occupations	12 367	2 575	5 817	3 095	879
Production occupations	6 253	1 290	2 877	1 655	431
Transportation and material moving occupations	6 113	1 285	2 940	1 440	448
Armed forces	523	5	101	251	165
WOMEN	57 575	4 601	17 428	17 262	18 285
Management, business, and financial operations	8 293	144	1 623	2 354	4 172
Management occupations	5 323	129	1 105	1 497	2 591
Business and financial operations occupations	2 969	14	518	857	1 580
Professional and related occupations	14 772	154	1 587	3 725	9 306
Computer and mathematical occupations	872	3	109	215	545
Architecture and engineering occupations	318	..	54	90	174
Life, physical, and social science occupations	531	..	55	56	420
Community and social services occupations	1 213	9	129	258	816
Legal occupations	660	3	103	185	369
Education, training, and library occupations	5 446	86	568	825	3 967
Arts, design, entertainment, sports, and media	1 160	26	148	313	673
Healthcare practitioner and technical occupations	4 573	26	421	1 783	2 342
Service occupations	10 290	2 062	4 392	2 872	964
Healthcare supporting occupations	2 277	330	873	870	204
Protective service occupations	406	19	159	163	65
Food preparation and serving related occupations	2 819	603	1 358	673	185
Building and grounds cleaning and maintenance	1 948	767	768	282	131
Personal care and service occupations	2 840	342	1 234	884	380
Sales and office occupations	19 342	959	7 552	7 341	3 491
Sales and related occupations	9 988	486	2 282	1 802	1 418
Office and administrative support occupations	13 354	473	5 269	5 539	2 073
Natural resources, construction, and maintenance	666	189	245	170	62
Farming, fishing, and forestry occupations	239	130	70	27	12
Construction and extraction occupations	200	41	71	60	28
Installation, maintenance, and repair occupations	227	18	104	83	21
Production, transportation, and material moving occupations	4 159	1 093	2 023	781	261
Production occupations	2 969	833	1 401	539	197
Transportation and material moving occupations	1 189	260	623	242	64
Armed forces	53	..	6	19	29

.. = Not available.

Table 1-64. Workers Age 25 to 64 by Educational Attainment, Occupation of Longest Held Job, and Sex, 2002–2003—Continued

(Thousands of people with work experience during the year.)

Sex and occupation	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
2003					
TOTAL	122 312	11 727	36 703	34 356	39 526
Management, business, and financial operations	19 051	399	3 508	5 076	10 068
Management occupations	13 645	352	2 686	3 647	6 961
Business and financial operations occupations	5 406	48	822	1 429	3 107
Professional and related occupations	26 431	186	2 336	5 907	18 002
Computer and mathematical occupations	2 995	24	233	784	1 953
Architecture and engineering occupations	2 449	5	254	602	1 588
Life, physical, and social science occupations	1 240	0	98	144	998
Community and social services occupations	1 999	24	167	343	1 465
Legal occupations	1 466	9	87	228	1 142
Education, training, and library occupations	7 587	64	661	933	5 929
Arts, design, entertainment, sports, and media	2 384	36	325	683	1 340
Healthcare practitioner and technical occupations	6 311	23	510	2 191	3 587
Service occupations	17 269	3 319	6 862	5 020	2 068
Healthcare supporting occupations	2 418	308	939	936	235
Protective service occupations	2 542	96	693	1 126	628
Food preparation and serving related occupations	4 442	1 021	1 933	1 051	437
Building and grounds cleaning and maintenance	4 368	1 465	1 908	729	265
Personal care and service occupations	3 499	429	1 390	1 177	503
Sales and office occupations	29 555	1 502	10 357	10 678	7 019
Sales and related occupations	12 624	767	3 890	3 949	4 018
Office and administrative support occupations	16 931	735	6 467	6 728	3 001
Natural resources, construction, and maintenance	12 938	2 917	5 701	3 437	884
Farming, fishing, and forestry occupations	897	462	281	105	49
Construction and extraction occupations	7 527	1 878	3 413	1 771	465
Installation, maintenance, and repair occupations	4 514	577	2 006	1 560	370
Production, transportation, and material moving occupations	16 438	3 400	7 828	3 957	1 253
Production occupations	9 025	1 909	4 218	2 211	686
Transportation and material moving occupations	7 413	1 491	3 610	1 746	566
Armed forces	630	4	111	282	233
MEN	64 929	7 330	19 785	16 945	20 867
Management, business, and financial operations	10 742	253	1 898	2 626	5 964
Management occupations	8 421	233	1 686	2 128	4 373
Business and financial operations occupations	2 321	20	212	499	1 591
Professional and related occupations	11 273	62	793	2 099	8 319
Computer and mathematical occupations	2 128	19	140	546	1 422
Architecture and engineering occupations	2 131	4	208	529	1 391
Life, physical, and social science occupations	741	..	63	88	590
Community and social services occupations	777	14	63	119	581
Legal occupations	750	1	8	31	710
Education, training, and library occupations	1 924	4	78	150	1 692
Arts, design, entertainment, sports, and media	1 234	16	161	364	693
Healthcare practitioner and technical occupations	1 588	3	72	273	1 240
Service occupations	7 214	1 404	2 568	2 146	1 096
Healthcare supporting occupations	218	23	69	84	43
Protective service occupations	2 020	64	512	914	529
Food preparation and serving related occupations	1 795	479	689	420	207
Building and grounds cleaning and maintenance	2 500	764	1 058	500	179
Personal care and service occupations	681	74	240	227	139
Sales and office occupations	10 553	567	3 024	3 467	3 495
Sales and related occupations	6 789	284	1 782	2 128	2 595
Office and administrative support occupations	3 764	282	1 242	1 339	900
Natural resources, construction, and maintenance	12 259	2 730	5 446	3 279	803
Farming, fishing, and forestry occupations	656	321	206	87	41
Construction and extraction occupations	7 313	1 849	3 323	1 700	440
Installation, maintenance, and repair occupations	4 290	559	1 916	1 492	322
Production, transportation, and material moving occupations	12 329	2 310	5 957	3 074	988
Production occupations	6 209	1 126	2 961	1 617	506
Transportation and material moving occupations	6 120	1 184	2 996	1 458	482
Armed forces	559	4	99	254	202
WOMEN	57 384	4 397	16 918	17 411	18 658
Management, business, and financial operations	8 310	146	1 610	2 450	4 103
Management occupations	5 225	118	1 000	1 519	2 587
Business and financial operations occupations	3 085	28	611	930	1 516
Professional and related occupations	15 158	125	1 543	3 808	9 683
Computer and mathematical occupations	867	5	93	238	531
Architecture and engineering occupations	318	1	47	73	197
Life, physical, and social science occupations	500	0	36	56	408
Community and social services occupations	1 222	11	104	224	884
Legal occupations	716	8	79	197	432
Education, training, and library occupations	5 663	60	583	783	4 238
Arts, design, entertainment, sports, and media	1 150	20	164	319	647
Healthcare practitioner and technical occupations	4 722	19	438	1 919	2 346
Service occupations	10 054	1 915	4 294	2 874	972
Healthcare supporting occupations	2 200	285	870	852	192
Protective service occupations	522	32	180	212	98
Food preparation and serving related occupations	2 647	542	1 244	630	230
Building and grounds cleaning and maintenance	1 867	701	850	229	87
Personal care and service occupations	2 818	355	1 150	950	364
Sales and office occupations	19 002	935	7 333	7 211	3 523
Sales and related occupations	5 835	482	2 108	1 822	1 423
Office and administrative support occupations	13 168	453	5 225	5 389	2 100
Natural resources, construction, and maintenance	680	187	255	157	80
Farming, fishing, and forestry occupations	241	140	75	18	7
Construction and extraction occupations	214	29	90	70	25
Installation, maintenance, and repair occupations	225	18	90	69	48
Production, transportation, and material moving occupations	4 109	1 089	1 872	883	265
Production occupations	2 815	783	1 258	594	180
Transportation and material moving occupations	1 293	307	614	289	84
Armed forces	71	..	11	28	32

... = Not available.

Table 1-65. Percent Distribution of Workers Age 25 to 64 by Educational Attainment, Occupation of Longest Held Job, and Sex, 2002–2003

(Percent of total workers in occupation.)

Sex and occupation	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
2002					
TOTAL	100.0	10.0	30.2	27.9	31.8
Management, business, and financial operations	100.0	2.3	18.0	26.0	53.7
Management occupations	100.0	2.9	19.5	26.5	51.1
Business and financial operations occupations	100.0	0.6	14.0	24.9	60.4
Professional and related occupations	100.0	0.9	9.3	22.4	67.5
Computer and mathematical occupations	100.0	0.4	8.1	25.4	66.1
Architecture and engineering occupations	100.0	0.1	11.7	22.2	66.0
Life, physical, and social science occupations	100.0	...	10.4	13.7	75.9
Community and social services occupations	100.0	0.9	10.4	19.4	69.4
Legal occupations	100.0	0.3	8.7	15.9	75.2
Education, training, and library occupations	100.0	1.4	8.4	13.5	76.8
Arts, design, entertainment, sports, and media	100.0	2.2	13.1	28.1	56.6
Healthcare practitioner and technical occupations	100.0	0.6	7.9	33.7	57.8
Service occupations	100.0	20.2	40.4	28.0	11.4
Healthcare supporting occupations	100.0	14.0	38.2	38.1	9.7
Protective service occupations	100.0	4.3	31.3	42.8	21.6
Food preparation and serving related occupations	100.0	23.3	43.9	24.6	8.2
Building and grounds cleaning and maintenance	100.0	34.9	42.1	16.0	7.1
Personal care and service occupations	100.0	11.8	40.8	31.5	15.9
Sales and office occupations	100.0	5.1	35.0	36.5	23.4
Sales and related occupations	100.0	6.3	30.9	31.8	31.0
Office and administrative support occupations	100.0	4.2	38.0	40.1	17.7
Natural resources, construction, and maintenance	100.0	22.3	44.0	26.8	7.0
Farming, fishing, and forestry occupations	100.0	48.7	34.0	11.5	5.9
Construction and extraction occupations	100.0	24.5	44.7	23.3	7.5
Installation, maintenance, and repair occupations	100.0	13.6	44.7	35.4	6.3
Production, transportation, and material moving occupations	100.0	22.2	47.4	23.5	6.9
Production occupations	100.0	23.0	46.4	23.8	6.8
Transportation and material moving occupations	100.0	21.2	48.8	23.0	7.0
Armed forces	100.0	1.0	18.6	46.9	33.6
MEN					
Management, business, and financial operations	100.0	2.7	16.8	24.3	56.3
Management occupations	100.0	3.2	18.7	25.4	52.6
Business and financial operations occupations	100.0	0.7	9.9	20.2	69.3
Professional and related occupations	100.0	0.6	7.3	18.6	73.5
Computer and mathematical occupations	100.0	0.5	6.3	25.7	67.5
Architecture and engineering occupations	100.0	0.1	10.9	21.4	67.6
Life, physical, and social science occupations	100.0	...	10.4	15.9	73.7
Community and social services occupations	100.0	1.1	9.9	16.3	72.6
Legal occupations	100.0	0.2	1.2	2.8	95.9
Education, training, and library occupations	100.0	0.7	2.5	8.7	88.2
Arts, design, entertainment, sports, and media	100.0	2.2	13.4	29.0	55.4
Healthcare practitioner and technical occupations	100.0	0.5	3.9	17.1	78.5
Service occupations	100.0	20.3	37.1	28.2	14.3
Healthcare supporting occupations	100.0	8.3	36.7	36.8	18.1
Protective service occupations	100.0	4.2	29.5	43.4	22.9
Food preparation and serving related occupations	100.0	26.1	37.5	25.7	10.7
Building and grounds cleaning and maintenance	100.0	31.3	44.3	17.1	7.3
Personal care and service occupations	100.0	10.6	30.0	33.3	26.2
Sales and office occupations	100.0	5.4	27.6	33.9	33.1
Sales and related occupations	100.0	4.7	24.7	33.3	37.3
Office and administrative support occupations	100.0	6.7	32.8	35.1	25.4
Natural resources, construction, and maintenance	100.0	22.0	44.3	26.9	6.8
Farming, fishing, and forestry occupations	100.0	46.5	35.7	11.6	6.2
Construction and extraction occupations	100.0	24.6	44.9	23.2	7.3
Installation, maintenance, and repair occupations	100.0	13.8	44.6	35.4	6.2
Production, transportation, and material moving occupations	100.0	20.8	47.0	25.0	7.1
Production occupations	100.0	20.6	46.0	26.5	6.9
Transportation and material moving occupations	100.0	21.0	48.1	23.6	7.3
Armed forces	100.0	1.0	19.4	48.0	31.5
WOMEN					
Management, business, and financial operations	100.0	1.7	19.6	28.4	50.3
Management occupations	100.0	2.4	20.8	28.1	48.7
Business and financial operations occupations	100.0	0.5	17.4	28.9	53.2
Professional and related occupations	100.0	1.0	10.7	25.2	63.0
Computer and mathematical occupations	100.0	0.3	12.5	24.6	62.5
Architecture and engineering occupations	100.0	...	17.0	28.2	54.7
Life, physical, and social science occupations	100.0	...	10.4	10.5	79.2
Community and social services occupations	100.0	0.8	10.7	21.3	67.3
Legal occupations	100.0	0.4	15.6	28.0	56.0
Education, training, and library occupations	100.0	1.6	10.4	15.1	72.8
Arts, design, entertainment, sports, and media	100.0	2.2	12.7	27.0	58.0
Healthcare practitioner and technical occupations	100.0	0.6	9.2	39.0	51.2
Service occupations	100.0	20.0	42.7	27.9	9.4
Healthcare supporting occupations	100.0	14.5	38.4	38.2	8.9
Protective service occupations	100.0	4.7	39.2	40.2	15.9
Food preparation and serving related occupations	100.0	21.4	48.2	23.9	6.5
Building and grounds cleaning and maintenance	100.0	39.4	39.4	14.5	6.7
Personal care and service occupations	100.0	12.1	43.5	31.1	13.4
Sales and office occupations	100.0	5.0	39.0	38.0	18.0
Sales and related occupations	100.0	8.1	38.1	30.1	23.7
Office and administrative support occupations	100.0	3.5	39.5	41.5	15.5
Natural resources, construction, and maintenance	100.0	28.4	36.8	25.5	9.3
Farming, fishing, and forestry occupations	100.0	54.5	29.2	11.2	5.1
Construction and extraction occupations	100.0	20.3	35.5	30.1	14.1
Installation, maintenance, and repair occupations	100.0	8.1	46.0	36.5	9.3
Production, transportation, and material moving occupations	100.0	26.3	48.6	18.8	6.3
Production occupations	100.0	28.1	47.2	18.1	6.6
Transportation and material moving occupations	100.0	21.9	52.4	20.4	5.4
Armed forces	100.0	...	10.8	35.6	53.7

... = Not available.

Table 1-65. Percent Distribution of Workers Age 25 to 64 by Educational Attainment, Occupation of Longest Held Job, and Sex, 2002–2003—Continued

(Percent of total workers in occupation.)

Sex and occupation	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
2003					
TOTAL	100.0	9.6	30.0	28.1	32.3
Management, business, and financial operations	100.0	2.1	18.4	26.6	52.8
Management occupations	100.0	2.6	19.7	26.7	51.0
Business and financial operations occupations	100.0	0.9	15.2	26.4	57.5
Professional and related occupations	100.0	0.7	8.8	22.3	68.1
Computer and mathematical occupations	100.0	0.8	7.8	26.2	65.2
Architecture and engineering occupations	100.0	0.2	10.4	24.6	64.8
Life, physical, and social science occupations	100.0	0.0	7.9	11.6	80.4
Community and social services occupations	100.0	1.2	8.4	17.2	73.3
Legal occupations	100.0	0.6	5.9	15.5	77.9
Education, training, and library occupations	100.0	0.8	8.7	12.3	78.2
Arts, design, entertainment, sports, and media	100.0	1.5	13.6	28.6	56.2
Healthcare practitioner and technical occupations	100.0	0.4	8.1	34.7	56.8
Service occupations	100.0	19.2	39.7	29.1	12.0
Healthcare supporting occupations	100.0	12.7	38.8	38.7	9.7
Protective service occupations	100.0	3.8	27.2	44.3	24.7
Food preparation and serving related occupations	100.0	23.0	43.5	23.7	9.8
Building and grounds cleaning and maintenance	100.0	33.5	43.7	16.7	6.1
Personal care and service occupations	100.0	12.3	39.7	33.6	14.4
Sales and office occupations	100.0	5.1	35.0	36.1	23.7
Sales and related occupations	100.0	6.1	30.8	31.3	31.8
Office and administrative support occupations	100.0	4.3	38.2	39.7	17.7
Natural resources, construction, and maintenance	100.0	22.5	44.1	26.6	6.8
Farming, fishing, and forestry occupations	100.0	51.5	31.4	11.8	5.4
Construction and extraction occupations	100.0	25.0	45.3	23.5	6.2
Installation, maintenance, and repair occupations	100.0	12.8	44.4	34.6	8.2
Production, transportation, and material moving occupations	100.0	20.7	47.6	24.1	7.6
Production occupations	100.0	21.2	46.7	24.5	7.6
Transportation and material moving occupations	100.0	20.1	48.7	23.6	7.6
Armed forces	100.0	0.7	17.5	44.7	37.1
MEN					
Management, business, and financial operations	100.0	2.4	17.7	24.4	55.5
Management occupations	100.0	2.8	20.0	25.3	51.9
Business and financial operations occupations	100.0	0.8	9.1	21.5	68.6
Professional and related occupations	100.0	0.5	7.0	18.6	73.8
Computer and mathematical occupations	100.0	0.9	6.6	25.7	66.8
Architecture and engineering occupations	100.0	0.2	9.7	24.8	65.3
Life, physical, and social science occupations	100.0	...	8.5	11.9	79.7
Community and social services occupations	100.0	1.7	8.1	15.3	74.8
Legal occupations	100.0	0.1	1.1	4.1	94.6
Education, training, and library occupations	100.0	0.2	4.1	7.8	87.9
Arts, design, entertainment, sports, and media	100.0	1.3	13.0	29.5	56.2
Healthcare practitioner and technical occupations	100.0	0.2	4.6	17.2	78.1
Service occupations	100.0	19.5	35.6	29.7	15.2
Healthcare supporting occupations	100.0	10.4	31.5	38.5	19.5
Protective service occupations	100.0	3.2	25.4	45.2	26.2
Food preparation and serving related occupations	100.0	26.7	38.4	23.4	11.5
Building and grounds cleaning and maintenance	100.0	30.5	42.3	20.0	7.1
Personal care and service occupations	100.0	10.8	35.3	33.4	20.4
Sales and office occupations	100.0	5.4	28.7	32.9	33.1
Sales and related occupations	100.0	4.2	26.3	31.3	38.2
Office and administrative support occupations	100.0	7.5	33.0	35.6	23.9
Natural resources, construction, and maintenance	100.0	22.3	44.4	26.8	6.6
Farming, fishing, and forestry occupations	100.0	48.9	31.4	13.3	6.3
Construction and extraction occupations	100.0	25.3	45.4	23.3	6.0
Installation, maintenance, and repair occupations	100.0	13.0	44.7	34.8	7.5
Production, transportation, and material moving occupations	100.0	18.7	48.3	24.9	8.0
Production occupations	100.0	19.1	47.7	26.0	8.1
Transportation and material moving occupations	100.0	19.4	49.0	23.8	7.9
Armed forces	100.0	0.7	17.8	45.4	36.1
WOMEN					
Management, business, and financial operations	100.0	1.8	19.4	29.5	49.4
Management occupations	100.0	2.3	19.1	29.1	49.5
Business and financial operations occupations	100.0	0.9	19.8	30.2	49.1
Professional and related occupations	100.0	0.8	10.2	25.1	63.9
Computer and mathematical occupations	100.0	0.6	10.7	27.4	61.3
Architecture and engineering occupations	100.0	0.3	14.7	23.0	61.9
Life, physical, and social science occupations	100.0	0.1	7.2	11.2	81.6
Community and social services occupations	100.0	0.9	8.5	18.3	72.3
Legal occupations	100.0	1.2	11.0	27.5	60.4
Education, training, and library occupations	100.0	1.1	10.3	13.8	74.8
Arts, design, entertainment, sports, and media	100.0	1.7	14.3	27.8	56.3
Healthcare practitioner and technical occupations	100.0	0.4	9.3	40.6	49.7
Service occupations	100.0	19.0	42.7	28.6	9.7
Healthcare supporting occupations	100.0	12.9	39.6	38.7	8.8
Protective service occupations	100.0	6.1	34.5	40.6	18.8
Food preparation and serving related occupations	100.0	20.5	47.0	23.8	8.7
Building and grounds cleaning and maintenance	100.0	37.6	45.5	12.3	4.7
Personal care and service occupations	100.0	12.6	40.8	33.7	12.9
Sales and office occupations	100.0	4.9	38.6	37.9	18.5
Sales and related occupations	100.0	8.3	36.1	31.2	24.4
Office and administrative support occupations	100.0	3.4	39.7	40.9	16.0
Natural resources, construction, and maintenance	100.0	27.6	37.5	23.1	11.8
Farming, fishing, and forestry occupations	100.0	58.3	31.2	7.5	3.0
Construction and extraction occupations	100.0	13.6	41.9	32.9	11.7
Installation, maintenance, and repair occupations	100.0	8.0	40.0	30.6	21.4
Production, transportation, and material moving occupations	100.0	26.5	45.6	21.5	6.4
Production occupations	100.0	27.8	44.7	21.1	6.4
Transportation and material moving occupations	100.0	23.7	47.5	22.3	6.5
Armed forces	100.0	...	16.0	39.4	44.6

... = Not available.

Table 1-66. Median Annual Earnings by Educational Attainment and Sex, Year-Round Full-Time Wage and Salary Workers, Age 25 to 64, 1998–2003

(Thousands of workers, dollars.)

Year and sex	Total	Less than a high school diploma	4 years of high school only	1 to 3 years of college	4 or more years of college
1998					
Total					
Number of workers (thousands)	80 812	7 353	25 595	22 526	25 338
Median annual earnings	32 000	19 000	26 300	31 619	45 000
Men					
Number of workers (thousands)	47 230	4 872	14 744	12 473	15 142
Median annual earnings	36 400	22 000	30 000	36 000	52 000
Women					
Number of workers (thousands)	33 582	2 482	10 851	10 053	10 197
Median annual earnings	27 000	15 000	22 000	26 500	38 000
1999					
Total					
Number of workers (thousands)	82 501	7 208	25 792	23 380	26 120
Median annual earnings	33 000	20 000	27 000	33 000	48 000
Men					
Number of workers (thousands)	47 781	4 693	14 806	12 824	15 459
Median annual earnings	38 500	22 000	32 000	39 000	55 600
Women					
Number of workers (thousands)	34 720	2 516	10 986	10 556	10 662
Median annual earnings	27 040	15 000	22 000	27 280	40 000
2000					
Total					
Number of workers (thousands)	84 337	7 354	26 144	24 064	26 775
Median annual earnings	35 000	20 000	28 600	34 000	50 000
Men					
Number of workers (thousands)	48 816	4 738	15 057	13 242	15 780
Median annual earnings	40 000	22 500	33 000	40 000	60 000
Women					
Number of workers (thousands)	35 521	2 616	11 087	10 822	10 995
Median annual earnings	29 000	16 000	24 000	28 000	40 000
2001					
Total					
Number of workers (thousands)	84 743	7 623	25 522	23 719	27 879
Median annual earnings	35 000	20 800	29 000	35 000	50 000
Men					
Number of workers (thousands)	48 887	5 049	14 655	12 968	16 215
Median annual earnings	40 000	24 000	33 800	40 000	60 000
Women					
Number of workers (thousands)	35 856	2 574	10 867	10 751	11 664
Median annual earnings	30 000	17 000	24 000	30 000	42 000
2002					
Total					
Number of workers (thousands)	84 702	7 578	25 078	23 604	28 443
Median annual earnings	36 000	21 000	30 000	35 100	52 000
Men					
Number of workers (thousands)	48 687	5 102	14 306	12 677	16 602
Median annual earnings	41 000	23 400	34 000	41 500	61 000
Women					
Number of workers (thousands)	36 015	2 476	10 772	10 927	11 841
Median annual earnings	30 000	18 000	25 000	30 000	43 500
2003					
Total					
Number of workers (thousands)	85 058	7 245	25 352	23 702	28 759
Median annual earnings	37 752	21 000	30 000	36 000	53 000
Men					
Number of workers (thousands)	48 988	4 879	14 657	12 766	16 686
Median annual earnings	42 000	24 000	35 000	42 000	62 000
Women					
Number of workers (thousands)	36 070	2 366	10 695	10 936	12 073
Median annual earnings	32 000	18 000	25 111	31 000	45 000

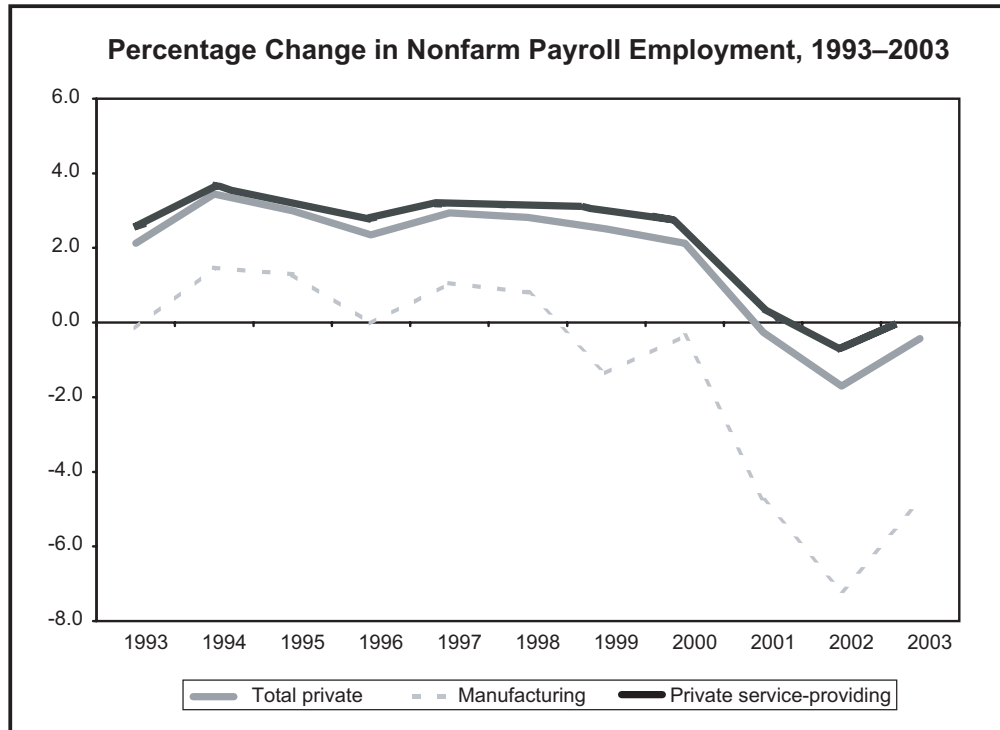
PART TWO

EMPLOYMENT, HOURS, AND EARNINGS

EMPLOYMENT AND HOURS

HIGHLIGHTS

The employment, hours and earnings data by industry and state in this part are derived from a survey of over 300,000 nonfarm establishments, Current Employment Statistics (CES) Survey. The employment numbers differ from Chapter 1 from the household survey because of the differences in methodology, concepts, definitions, and coverage. Since the data are obtained from payroll records, the data are consistent for industry classifications and the data on hours and earnings are likely to be more accurate.



Employment conditions improved in 2003. Total private employment declined by only a small amount. Service providing industries reversed the decline of the previous year and added a small number of workers. Manufacturing employment continued to decline but at a much slower pace than the sharp drop in the previous year. (Table 2-1)

OTHER HIGHLIGHTS:

- The increase in employment in the service-providing sector was largely the result of increases in education and health services. (Table 2-1)
- Total government employment, which gave a boost to total employment in 2002, was virtually the same in 2003. (Table 2-1) Four states: California, Texas, New York, and Florida had over 1 million government employees. (Table 2-32)
- The proportion of women employed in nonfarm industries increased from 1993 to 2003. However, the increase was largely concentrated in the service-providing sector, both public and private. Seventy-two percent of women were employed in the private service-providing sector in 2003 compared with 69 percent in 1993. Local government employment, which includes teachers, also increased by 26.4 percent from 1993 to 2003. (Table 2-3)
- Average weekly hours of production or non-supervisory workers on private nonfarm payrolls declined to 33.7 hours after a decade of relative stability of around 34.3 hours. (Table 2-11)
- Aggregate weekly hours of production or non-supervisory workers declined in all major industry sectors except for a small increase in natural resources and mining and utilities. (Table 2-11)

NOTES AND DEFINITIONS

Collection and Coverage

BLS cooperates with State Employment Security Agencies in the Current Employment Statistics (CES) or establishment survey to collect data each month on employment, hours, and earnings from a sample of non-farm establishments (including government). The sample includes about 160,000 businesses and government agencies, which cover approximately 400,000 individual work-sites drawn from a sampling frame of over 8 million unemployment insurance tax accounts. The active CES sample includes approximately one-third of all nonfarm payroll workers. From these data, a large number of employment, hours, and earnings series in considerable industry and geographic detail are prepared and published each month.

The most frequently used data collection method is touchtone data entry (TDE). Under the TDE system, the respondent uses a touchtone telephone to call a toll-free number and activate an interview session. The next most frequently used data collection mode is computer-assisted telephone interviewing (CATI).

Establishment survey data are adjusted annually to accord with comprehensive counts of employment in March of the preceding year, called "benchmarks." The adjustments are published with the release of May data each year. The benchmarks are derived mainly from employment reports from all employers subject to unemployment insurance. Each year's benchmarking results in recalculation of employment data for the current and two previous years. The related series on production and non-supervisory workers, hours, and earnings are recalculated consistent with the employment benchmarks.

Concepts and Definitions

Industry classification

In 1993, the basis for industry classification changed from the 1987 Standard Industrial Classification System (SIC) to the 2002 North American Industry Classification System (NAICS). SIC-based data will no longer be produced or published by BLS. It will still be available but no longer updated.

The foundation of industrial classification with NAICS has changed, in terms of how establishments are classified into industries, and the recognition of businesses in the economy, as they exist today.

Establishments reporting on Form BLS 790 are classified into industries on the basis of their primary activity. Those that use comparable capital equipment, labor, and

raw material inputs are classified together. This information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal activity.

Industry employment

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period that includes the 12th day of the month. The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency, the National Security Agency, the National Imagery and Mapping Agency, and the Defense Intelligence Agency are also excluded.

Persons on establishment payrolls who are on paid sick leave (for cases in which pay is received directly from the firm), on paid holiday, or on paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, or on strike for the entire period, or who were hired but have not yet reported during the period.

Beginning with the June 2003 publication of May data, the CES national federal government employment series is estimated from a sample of federal establishments, and benchmarked annually to counts from unemployment insurance tax records, and reflects employee counts as of the pay period including the 12th of the month, consistent with other CES industry series. Previously, the national series was an end-of-month count produced by the Office of Personnel Management.

The exclusion from the payroll survey of farm employment, self-employment, and domestic service employment accounts in part for the differences in employment figures between the household and payroll surveys. The payroll survey also excludes persons on leave without pay, who are counted as employed in the household survey. Persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls, whereas such persons are only counted once in the household survey.

Industry hours and earnings. Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and

natural resources and mining, construction workers in construction, and nonsupervisory employees in private service-providing industries.

Production and related workers. This category includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (for example, power plant), record keeping, and other services closely associated with the above production operations.

Construction workers. This group includes the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, and so forth, engaged in new work, alterations, demolition, repair, maintenance, and the like, whether working at the site of construction or in shops or yards at jobs (such as precutting and pre-assembling) ordinarily performed by members of the construction trades.

Nonsupervisory workers. These are employees (not above the working-supervisor level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

Payroll. This refers to the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period that includes the 12th day of the month. The payroll is reported before deductions of any kind, such as those for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, and vacation, and for sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period); other pay not earned in the pay period reported (such as retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. Employee benefits (such as health and other types of insurance, contributions to retirement, and so forth, paid by the employer) also are excluded.

Hours. These are the hours paid for during the pay period that includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours. These are hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period that included the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Average weekly hours. The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Indexes of aggregate weekly hours and payrolls. The indexes of aggregate weekly hours are calculated by dividing the current month's aggregate by the average of the 12 monthly figures for 1982. For basic industries, the hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

The indexes of aggregate weekly payrolls are calculated by dividing the current month's aggregate by the average of the 12 monthly figures for 1982. For basic industries, the payroll aggregates are the product of average hourly earnings and aggregate weekly hours. At all higher levels of industry aggregation, payroll aggregates are the sum of the component aggregates.

Average overtime hours. Overtime hours represent that portion of average weekly hours that exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Because overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry in which little or no overtime was worked in both the previous and current months.

Average hourly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic

hourly and incentive wage rates, but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer because the following are excluded: Irregular bonuses, retroactive items, payroll taxes paid by employers, and earnings for those employees not covered under production worker, construction worker, or nonsupervisory employee definitions.

Average hourly earnings, excluding overtime-premium pay, are computed by dividing the total production worker payroll for the industry group by the sum of total production worker hours and one-half of total overtime hours. No adjustments are made for other premium payment provisions, such as holiday pay, late-shift premiums, and overtime rates other than time and one-half.

Average weekly earnings. These estimates are derived by multiplying average weekly hours estimates by average

hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as the proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of average weekly earnings can be affected by structural changes in the makeup of the workforce. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

These earnings are in constant dollars and are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earnings and Clerical Workers (CPI-W). The reference year for these series is 1982.

Sources of Additional Information

For further information on sampling and estimation methods see Bureau of Labor Statistics, *Employment and Earnings*, June 1993 and subsequent issues of that monthly publication, BLS news releases and publications on the BLS Web site.

**Table 2-1. Employees on Nonfarm Payrolls by Super Sector and Selected Component Groups,
NAICS Basis, 1990–2003—Continued**

(Thousands of people.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Utilities	740	736	726	711	689	666	640	621	613	609	601	599	596	581
Information	2 688	2 677	2 641	2 668	2 738	2 843	2 940	3 084	3 218	3 419	3 631	3 629	3 395	3 198
Publishing industries, except the Internet	871	863	854	873	891	911	927	956	982	1 005	1 035	1 021	964	926
Motion picture and sound recording industry	255	259	254	260	278	311	335	353	370	384	383	377	388	376
Broadcasting, except the Internet	284	281	280	284	290	298	309	313	321	329	344	345	334	327
Internet publishing and broadcasting	17	16	16	16	17	19	21	24	27	37	51	46	34	30
Telecommunications	980	973	946	942	961	976	997	1 060	1 108	1 180	1 263	1 302	1 187	1 083
ISPs search portals, and data processing	252	252	259	263	268	291	312	339	369	439	510	494	441	408
Other information services	30	33	32	29	33	38	39	40	41	44	46	46	47	48
Financial activities	6 614	6 558	6 540	6 709	6 867	6 827	6 969	7 178	7 462	7 648	7 687	7 807	7 847	7 974
Finance and insurance	4 979	4 937	4 915	5 036	5 135	5 072	5 154	5 305	5 532	5 668	5 680	5 773	5 817	5 921
Monetary authorities—central bank	24	24	24	23	23	23	23	22	22	23	23	23	23	23
Credit intermediation	2 425	2 352	2 317	2 361	2 376	2 314	2 368	2 434	2 532	2 591	2 548	2 598	2 686	2 786
Securities, commodities	458	455	476	508	553	562	590	636	692	737	805	831	789	764
Insurance carriers and related activities	2 016	2 048	2 040	2 083	2 119	2 108	2 108	2 144	2 209	2 236	2 221	2 234	2 233	2 266
Funds, trust, and other financial vehicles ..	56	58	59	61	64	64	66	70	77	82	85	88	85	82
Real estate and rental and leasing	1 635	1 621	1 626	1 674	1 732	1 755	1 814	1 873	1 930	1 979	2 007	2 035	2 030	2 054
Real estate	1 107	1 108	1 115	1 146	1 183	1 179	1 206	1 241	1 274	1 299	1 312	1 340	1 353	1 384
Rental and leasing services	514	499	496	511	530	557	588	610	631	653	667	666	649	641
Lessors of nonfinancial intangible assets	14	14	15	17	18	19	21	23	25	27	28	29	28	28
Professional and business services	10 848	10 714	10 970	11 495	12 174	12 844	13 462	14 335	15 147	15 957	16 666	16 476	15 976	15 997
Professional and technical services	4 557	4 527	4 594	4 708	4 844	5 101	5 337	5 656	6 021	6 375	6 734	6 902	6 676	6 624
Management of companies and enterprises	1 667	1 638	1 623	1 640	1 666	1 686	1 703	1 730	1 756	1 774	1 796	1 779	1 705	1 676
Administrative and waste services	4 624	4 549	4 753	5 147	5 664	6 057	6 422	6 950	7 369	7 807	8 136	7 795	7 595	7 698
Administrative and support services	4 395	4 317	4 516	4 898	5 403	5 783	6 140	6 659	7 070	7 497	7 823	7 478	7 277	7 376
Waste management and remediation services	229	232	237	249	261	273	282	291	299	311	313	317	318	322
Education and health services	10 984	11 506	11 891	12 303	12 807	13 289	13 683	14 087	14 446	14 798	15 109	15 645	16 199	16 577
Educational services	1 688	1 737	1 713	1 755	1 895	2 010	2 078	2 155	2 233	2 320	2 390	2 511	2 643	2 689
Health care and social assistance	9 296	9 770	10 178	10 548	10 912	11 278	11 605	11 932	12 214	12 477	12 718	13 134	13 556	13 888
Ambulatory health care services	2 842	3 028	3 200	3 386	3 579	3 768	3 940	4 093	4 161	4 227	4 320	4 462	4 633	4 776
Hospitals	3 513	3 617	3 711	3 740	3 724	3 734	3 773	3 822	3 892	3 936	3 954	4 051	4 160	4 253
Nursing and residential health facilities	1 856	1 972	2 044	2 128	2 227	2 308	2 380	2 443	2 487	2 529	2 583	2 676	2 743	2 784
Social assistance	1 085	1 152	1 223	1 294	1 382	1 470	1 512	1 574	1 673	1 786	1 860	1 946	2 020	2 075
Leisure and hospitality	9 288	9 256	9 437	9 732	10 100	10 501	10 777	11 018	11 232	11 543	11 862	12 036	11 986	12 125
Arts, entertainment, and recreation	1 132	1 177	1 236	1 302	1 376	1 459	1 522	1 600	1 645	1 709	1 788	1 824	1 783	1 801
Performing arts and spectator sports	273	283	290	287	296	308	329	350	350	361	382	382	364	370
Museums, historical sites	68	71	75	78	82	84	89	94	97	103	110	115	114	114
Amusements, gambling, and recreation	791	823	872	937	998	1 068	1 105	1 157	1 198	1 245	1 296	1 327	1 305	1 317
Accommodation and food service	8 156	8 079	8 201	8 430	8 724	9 042	9 254	9 418	9 586	9 834	10 074	10 211	10 203	10 324
Accommodations	1 616	1 574	1 562	1 581	1 615	1 653	1 699	1 730	1 774	1 832	1 884	1 852	1 779	1 765
Food services and drinking places	6 540	6 505	6 639	6 850	7 109	7 389	7 555	7 689	7 813	8 002	8 189	8 359	8 425	8 559
Other services	4 261	4 249	4 240	4 350	4 428	4 572	4 690	4 825	4 976	5 087	5 168	5 258	5 372	5 393
Repair and maintenance	1 009	960	964	998	1 024	1 079	1 136	1 169	1 189	1 222	1 242	1 256	1 247	1 236
Personal and laundry services	1 120	1 109	1 099	1 116	1 120	1 144	1 166	1 180	1 206	1 220	1 243	1 255	1 257	1 258
Membership associations and organizations	2 050	2 148	2 130	2 181	2 214	2 297	2 327	2 387	2 507	2 579	2 642	2 651	2 799	2 864
Government	18 415	18 545	18 787	18 989	19 275	19 432	19 539	19 664	19 909	20 307	20 790	21 118	21 513	21 575
Federal	3 196	3 110	3 111	3 063	3 018	2 949	2 877	2 806	2 772	2 769	2 865	2 764	2 766	2 756
Federal, except Postal Service	2 371	2 296	2 311	2 269	2 197	2 099	2 010	1 940	1 891	1 880	1 985	1 891	1 924	1 947
State	4 305	4 355	4 408	4 488	4 576	4 635	4 606	4 582	4 612	4 709	4 786	4 905	5 029	5 017
State, excluding education	2 575	2 587	2 610	2 654	2 694	2 716	2 695	2 678	2 690	2 726	2 726	2 792	2 786	2 751
Local	10 914	11 081	11 267	11 438	11 682	11 849	12 056	12 276	12 525	12 829	13 139	13 449	13 718	13 802
Local, excluding education	5 012	5 087	5 192	5 232	5 352	5 396	5 464	5 517	5 604	5 709	5 845	5 970	6 063	6 104

Table 2-2. Employees on Nonfarm Payrolls by Major Industry Groups, SIC Basis, 1948–1989

(Thousands of people.)

Industry	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961
TOTAL	44 866	43 754	45 197	47 819	48 793	50 202	48 990	50 641	52 369	52 855	51 322	53 270	54 189	53 999
Total private	39 216	37 897	39 170	41 430	42 185	43 556	42 238	43 727	45 091	45 239	43 483	45 186	45 836	45 404
Goods-producing	18 774	17 565	18 506	19 959	20 198	21 074	19 751	20 513	21 104	20 967	19 513	20 411	20 434	19 857
Mining	994	930	901	929	898	866	791	792	822	828	751	732	712	672
Construction	2 198	2 194	2 364	2 637	2 668	2 659	2 646	2 839	3 039	2 962	2 817	3 004	2 926	2 859
Manufacturing	15 582	14 441	15 241	16 393	16 632	17 549	16 314	16 882	17 243	17 176	15 945	16 675	16 796	16 326
Service-producing	26 092	26 189	26 691	27 860	28 595	29 128	29 239	30 128	31 264	31 889	31 811	32 857	33 755	34 142
Transportation and public utilities	4 189	4 001	4 034	4 226	4 248	4 290	4 084	4 141	4 244	4 241	3 976	4 011	4 004	3 903
Wholesale trade	2 612	2 610	2 643	2 735	2 821	2 862	2 875	2 934	3 027	3 037	2 989	3 092	3 153	3 142
Retail trade	6 659	6 654	6 743	7 007	7 184	7 385	7 360	7 601	7 831	7 848	7 761	8 035	8 238	8 195
Finance, insurance, and real estate	1 800	1 828	1 888	1 956	2 035	2 111	2 200	2 298	2 389	2 438	2 481	2 549	2 628	2 688
Services	5 181	5 239	5 356	5 547	5 699	5 835	5 969	6 240	6 497	6 708	6 765	7 087	7 378	7 619
Government	5 650	5 856	6 026	6 389	6 609	6 645	6 751	6 914	7 278	7 616	7 839	8 083	8 353	8 594
Federal	1 863	1 908	1 928	2 302	2 420	2 305	2 188	2 187	2 209	2 217	2 191	2 233	2 270	2 279
State .....	...	...	...	...	...	...	...	1 168	1 250	1 328	1 415	1 484	1 536	1 607
Local .....	...	...	...	...	...	...	...	3 558	3 819	4 071	4 232	4 366	4 547	4 708

Industry	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
TOTAL	55 549	56 653	58 283	60 763	63 901	65 803	67 897	70 384	70 880	71 211	73 675	76 790	78 265	76 945
Total private	46 660	47 429	48 686	50 689	53 116	54 413	56 058	58 189	58 325	58 331	60 341	63 058	64 095	62 259
Goods-producing	20 451	20 640	21 005	21 926	23 158	23 308	23 737	24 361	23 578	22 935	23 668	24 893	24 794	22 600
Mining	650	635	634	632	627	613	606	619	623	609	628	642	697	752
Construction	2 948	3 010	3 097	3 232	3 317	3 248	3 350	3 575	3 588	3 704	3 889	4 097	4 020	3 525
Manufacturing	16 853	16 995	17 274	18 062	19 214	19 447	19 781	20 167	19 367	18 623	19 151	20 154	20 077	18 323
Service-producing	35 098	36 013	37 278	38 839	40 743	42 495	44 158	46 023	47 302	48 276	50 007	51 897	53 471	54 345
Transportation and public utilities	3 906	3 903	3 951	4 036	4 158	4 268	4 318	4 442	4 515	4 476	4 541	4 656	4 725	4 542
Wholesale trade	3 207	3 258	3 347	3 477	3 608	3 700	3 791	3 919	4 006	4 014	4 127	4 291	4 447	4 430
Retail trade	8 359	8 520	8 812	9 239	9 637	9 906	10 308	10 785	11 034	11 338	11 822	12 315	12 539	12 630
Finance, insurance, and real estate	2 754	2 830	2 911	2 977	3 058	3 185	3 337	3 512	3 645	3 772	3 908	4 046	4 148	4 165
Services	7 982	8 277	8 660	9 036	9 498	10 045	10 567	11 169	11 548	11 797	12 276	12 857	13 441	13 892
Government	8 890	9 225	9 596	10 074	10 784	11 391	11 839	12 195	12 554	12 881	13 334	13 732	14 170	14 686
Federal	2 340	2 358	2 348	2 378	2 564	2 719	2 737	2 758	2 731	2 696	2 684	2 663	2 724	2 748
State	1 668	1 747	1 856	1 996	2 141	2 302	2 442	2 533	2 664	2 747	2 859	2 923	3 039	3 179
Local	4 881	5 121	5 392	5 700	6 080	6 371	6 660	6 904	7 158	7 437	7 790	8 146	8 407	8 758

Industry	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
TOTAL	79 382	82 471	86 697	89 823	90 406	91 152	89 544	90 152	94 408	97 387	99 344	101 958	105 209	107 884
Total private	64 511	67 344	71 026	73 876	74 166	75 121	73 707	74 282	78 384	80 992	82 651	84 948	87 823	90 105
Goods-producing	23 352	24 346	25 585	26 461	25 658	25 497	23 812	23 330	24 718	24 842	24 533	24 674	25 125	25 254
Mining	779	813	851	958	1 027	1 139	1 128	952	966	927	777	717	713	692
Construction	3 576	3 851	4 229	4 463	4 346	4 188	3 904	3 946	4 380	4 668	4 810	4 958	5 098	5 171
Manufacturing	18 997	19 682	20 505	21 040	20 285	20 170	18 780	18 432	19 372	19 248	18 947	18 999	19 314	19 391
Service-producing	56 030	58 125	61 113	63 363	64 748	65 655	65 732	66 821	69 690	72 544	74 811	77 284	80 084	82 630
Transportation and public utilities	4 582	4 713	4 923	5 136	5 146	5 165	5 081	4 952	5 156	5 233	5 247	5 362	5 512	5 614
Wholesale trade	4 562	4 723	4 985	5 221	5 292	5 375	5 295	5 283	5 568	5 727	5 761	5 848	6 030	6 187
Retail trade	13 193	13 792	14 556	14 972	15 018	15 171	15 158	15 587	16 512	17 315	17 880	18 422	19 023	19 475
Finance, insurance, and real estate	4 271	4 467	4 724	4 975	5 160	5 298	5 340	5 466	5 684	5 948	6 273	6 533	6 630	6 668
Services	14 551	15 302	16 252	17 112	17 890	18 615	19 021	19 664	20 746	21 927	22 957	24 110	25 504	26 907
Government	14 871	15 127	15 672	15 947	16 241	16 031	15 837	15 869	16 024	16 394	16 693	17 010	17 386	17 779
Federal	2 733	2 727	2 753	2 773	2 866	2 772	2 739	2 774	2 807	2 875	2 899	2 943	2 971	2 988
State	3 273	3 377	3 474	3 541	3 610	3 640	3 640	3 662	3 734	3 832	3 893	3 967	4 076	4 182
Local	8 865	9 023	9 446	9 633	9 765	9 619	9 458	9 434	9 482	9 687	9 901	10 100	10 339	10 609

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-3. Women Employees on Nonfarm Payrolls by Super Sector and Selected Component Groups, NAICS Basis, 1990–2003

(Thousands of people.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL NONFARM	51 586	51 681	52 132	53 175	54 759	56 213	57 406	58 914	60 309	61 810	63 222	63 683	63 360	63 197
Total private	41 731	41 696	41 970	42 849	44 228	45 514	46 573	47 923	49 144	50 358	51 452	51 669	51 033	50 867
Goods-producing	6 470	6 243	6 119	6 090	6 168	6 225	6 214	6 294	6 353	6 299	6 297	5 961	5 486	5 196
Natural resources and mining	112	114	109	105	102	98	96	99	100	96	92	90	85	80
Construction	656	628	599	609	636	666	700	730	769	818	846	832	827	820
Manufacturing	5 702	5 501	5 410	5 377	5 430	5 462	5 417	5 466	5 484	5 386	5 359	5 039	4 574	4 296
Private service-providing	35 262	35 453	35 851	36 759	38 061	39 289	40 360	41 629	42 791	44 059	45 155	45 708	45 547	45 670
Trade, transportation, and utilities	9 363	9 243	9 176	9 259	9 564	9 870	10 043	10 230	10 413	10 658	10 859	10 768	10 466	10 313
Wholesale trade	1 611	1 587	1 565	1 554	1 607	1 668	1 701	1 746	1 778	1 809	1 827	1 770	1 718	1 701
Retail trade	6 696	6 588	6 534	6 599	6 813	7 021	7 142	7 272	7 380	7 543	7 680	7 635	7 449	7 333
Transportation and warehousing	879	891	901	932	974	1 018	1 043	1 060	1 103	1 154	1 202	1 212	1 149	1 132
Utilities	177	177	176	174	169	163	157	153	152	152	151	151	150	148
Information	1 324	1 319	1 295	1 304	1 334	1 380	1 433	1 481	1 514	1 600	1 697	1 684	1 554	1 432
Financial activities	4 055	4 036	4 022	4 114	4 196	4 164	4 241	4 359	4 515	4 605	4 638	4 726	4 755	4 828
Professional and business services	5 105	5 026	5 160	5 399	5 682	5 979	6 273	6 705	7 030	7 370	7 680	7 591	7 314	7 254
Educational and health services	8 422	8 840	9 141	9 454	9 822	10 181	10 474	10 779	11 042	11 323	11 586	12 037	12 474	12 777
Leisure and hospitality	4 829	4 806	4 876	4 994	5 192	5 382	5 520	5 640	5 760	5 933	6 082	6 224	6 215	6 294
Other services	2 164	2 184	2 181	2 236	2 269	2 333	2 376	2 435	2 517	2 570	2 614	2 677	2 769	2 774
Government	9 855	9 985	10 162	10 326	10 531	10 698	10 832	10 991	11 164	11 452	11 771	12 015	12 327	12 330
Federal	1 378	1 329	1 335	1 321	1 306	1 285	1 261	1 240	1 184	1 174	1 231	1 148	1 155	1 170
State	2 137	2 173	2 197	2 238	2 281	2 326	2 316	2 324	2 354	2 412	2 464	2 534	2 621	2 607
Local	6 340	6 483	6 630	6 767	6 943	7 088	7 255	7 426	7 627	7 866	8 076	8 333	8 551	8 554

Table 2-4. Women Employees on Nonfarm Payrolls by Major Industry, SIC Basis, 1959–1989

(Thousands of people.)

Year	Total	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Government			
				Total	Durable goods	Nondurable goods						Total	Federal	State	Local
1959	...	...	...	4 358	1 692	2 667	...	...	...	...	...	...	...	...	...
1960	...	36	...	4 371	1 702	2 670	...	717	3 579	...	...	...	...	...	...
1961	...	35	...	4 292	1 662	2 630	...	703	3 564	...	...	...	...	...	...
1962	...	35	...	4 474	1 770	2 705	...	712	3 643	...	...	...	...	...	...
1963	...	35	...	4 482	1 767	2 715	...	720	3 708	...	...	...	...	...	...
1964	19 662	34	152	4 537	1 777	2 760	723	741	3 878	1 464	4 415	3 718	530	708	2 480
1965	20 660	34	152	4 768	1 911	2 857	748	768	4 113	1 496	4 611	3 970	542	768	2 660
1966	22 168	34	156	5 213	2 204	3 009	786	809	4 315	1 549	4 931	4 375	610	841	2 924
1967	23 272	35	158	5 353	2 300	3 053	835	832	4 465	1 624	5 267	4 703	674	931	3 099
1968	24 395	36	164	5 490	2 361	3 129	860	857	4 669	1 709	5 632	4 979	710	1 013	3 256
1969	25 595	37	174	5 667	2 469	3 197	911	904	4 937	1 819	5 994	5 153	723	1 087	3 343
1970	26 132	37	186	5 448	2 307	3 141	957	924	5 083	1 907	6 224	5 365	723	1 126	3 517
1971	26 466	37	199	5 229	2 152	3 078	955	917	5 211	1 978	6 438	5 502	715	1 118	3 669
1972	27 541	40	219	5 470	2 280	3 190	953	939	5 410	2 032	6 718	5 759	747	1 162	3 849
1973	28 988	43	241	5 865	2 567	3 298	987	996	5 686	2 138	7 023	6 010	780	1 216	4 014
1974	30 124	49	262	5 849	2 618	3 230	1 018	1 050	5 928	2 245	7 454	6 270	798	1 287	4 185
1975	30 178	55	256	5 257	2 271	2 985	996	1 053	5 998	2 287	7 822	6 454	805	1 373	4 276
1976	31 570	60	281	5 607	2 444	3 163	1 010	1 100	6 301	2 371	8 256	6 586	808	1 448	4 329
1977	33 252	65	304	5 880	2 645	3 235	1 051	1 153	6 611	2 511	8 771	6 907	856	1 510	4 540
1978	35 349	76	331	6 237	2 894	3 343	1 133	1 243	7 036	2 708	9 368	7 216	866	1 537	4 813
1979	37 096	91	355	6 466	3 085	3 380	1 237	1 328	7 369	2 882	9 919	7 450	860	1 572	5 018
1980	38 186	105	372	6 317	3 003	3 314	1 292	1 371	7 480	3 039	10 452	7 759	908	1 632	5 219
1981	39 035	129	380	6 341	3 029	3 312	1 340	1 404	7 585	3 158	10 969	7 730	878	1 659	5 193
1982	39 041	134	377	5 990	2 822	3 168	1 339	1 424	7 653	3 198	11 330	7 595	883	1 637	5 075
1983	39 826	117	388	5 964	2 788	3 176	1 313	1 463	7 912	3 277	11 755	7 637	939	1 584	5 114
1984	42 022	118	427	6 295	3 031	3 265	1 386	1 557	8 519	3 430	12 413	7 878	975	1 678	5 224
1985	43 851	120	463	6 230	3 022	3 208	1 448	1 632	9 037	3 634	13 129	8 159	1 009	1 776	5 374
1986	45 476	106	495	6 181	2 974	3 207	1 480	1 684	9 404	3 886	13 819	8 420	1 031	1 848	5 541
1987	47 188	95	523	6 242	2 987	3 255	1 532	1 736	9 764	4 076	14 549	8 672	1 048	1 919	5 705
1988	49 053	96	539	6 352	3 032	3 320	1 619	1 815	10 113	4 134	15 454	8 931	1 060	2 000	5 870
1989	50 690	94	547	6 399	3 048	3 351	1 643	1 891	10 384	4 188	16 296	9 248	1 105	2 070	6 073

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-5. Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Super Sector, NAICS Basis, 1990–2003

(Thousands of people.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL PRIVATE	73 684	72 520	72 786	74 591	77 382	79 845	81 773	84 158	86 316	88 430	90 336	89 983	88 393	87 606
Goods-producing	17 322	16 352	16 043	16 236	16 795	17 137	17 318	17 698	18 008	18 067	18 169	17 466	16 400	15 731
Natural resources and mining	538	515	478	462	461	458	461	479	473	438	446	457	436	419
Construction	4 115	3 674	3 546	3 704	3 973	4 113	4 325	4 546	4 807	5 105	5 295	5 332	5 196	5 112
Manufacturing	12 669	12 164	12 020	12 070	12 361	12 566	12 532	12 673	12 729	12 524	12 428	11 677	10 768	10 200
Private service-providing	56 362	56 168	56 743	58 355	60 587	62 708	64 455	66 460	68 308	70 363	72 167	72 517	71 993	71 875
Trade, transportation, and utilities	19 032	18 640	18 506	18 752	19 392	19 984	20 325	20 698	21 059	21 576	21 965	21 709	21 337	21 066
Wholesale trade	4 198	4 122	4 071	4 072	4 196	4 361	4 423	4 523	4 605	4 673	4 686	4 555	4 474	4 395
Retail trade	11 308	11 008	10 931	11 104	11 502	11 841	12 057	12 274	12 440	12 772	13 040	12 952	12 774	12 649
Transportation and warehousing	2 941	2 928	2 934	3 019	3 153	3 260	3 339	3 407	3 522	3 642	3 753	3 718	3 611	3 556
Utilities	585	582	570	557	541	522	506	494	492	489	485	483	478	467
Information	1 866	1 871	1 871	1 896	1 928	2 007	2 096	2 181	2 217	2 351	2 502	2 530	2 398	2 354
Financial activities	4 973	4 911	4 908	5 057	5 183	5 165	5 279	5 415	5 605	5 728	5 737	5 810	5 872	5 965
Professional and business services	8 889	8 748	8 971	9 451	10 078	10 645	11 161	11 896	12 566	13 184	13 790	13 588	13 049	12 923
Educational and health services	9 748	10 212	10 555	10 908	11 338	11 765	12 123	12 478	12 791	13 089	13 362	13 846	14 311	14 523
Leisure and hospitality	8 299	8 247	8 406	8 667	8 979	9 330	9 565	9 780	9 947	10 216	10 516	10 662	10 576	10 626
Other services	3 555	3 539	3 526	3 623	3 689	3 812	3 907	4 013	4 124	4 219	4 296	4 373	4 449	4 419

Table 2-6. Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Major Industry, SIC Basis, 1947-1989

(Thousands of people.)

Year	Total private	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
				Total	Durable goods	Nondurable goods					
1947	33 747	871	1 786	12 990	7 064	5 926	...	2 248	6 000	1 436	...
1948	34 489	906	1 954	12 910	6 962	5 950	...	2 361	6 275	1 496	...
1949	33 159	839	1 949	11 790	6 158	5 633	...	2 354	6 248	1 517	...
1950	34 349	816	2 101	12 523	6 741	5 781	...	2 382	6 368	1 565	...
1951	36 225	840	2 343	13 368	7 514	5 854	...	2 456	6 642	1 622	...
1952	36 643	801	2 360	13 359	7 583	5 777	...	2 533	6 807	1 683	...
1953	37 694	765	2 341	14 055	8 186	5 869	...	2 554	6 964	1 742	...
1954	36 276	686	2 316	12 817	7 226	5 591	...	2 536	6 928	1 807	...
1955	37 500	680	2 477	13 288	7 580	5 708	...	2 574	7 109	1 889	...
1956	38 495	702	2 653	13 436	7 701	5 735	...	2 645	7 296	1 961	...
1957	38 384	695	2 577	13 189	7 581	5 607	...	2 639	7 292	1 998	...
1958	36 608	611	2 420	11 997	6 611	5 387	...	2 572	7 174	2 029	...
1959	38 080	590	2 577	12 603	7 065	5 538	...	2 661	7 434	2 086	...
1960	38 516	570	2 497	12 586	7 060	5 526	...	2 705	7 618	2 145	...
1961	37 989	532	2 426	12 083	6 650	5 433	...	2 684	7 558	2 189	...
1962	38 979	512	2 500	12 488	6 967	5 521	...	2 726	7 682	2 237	...
1963	39 553	498	2 562	12 555	7 059	5 495	...	2 758	7 811	2 291	...
1964	40 560	497	2 637	12 781	7 245	5 537	3 490	2 832	8 037	2 346	7 939
1965	42 278	494	2 749	13 434	7 746	5 688	3 561	2 932	8 426	2 388	8 295
1966	44 249	487	2 818	14 296	8 400	5 895	3 638	3 033	8 787	2 441	8 749
1967	45 137	469	2 741	14 308	8 396	5 912	3 718	3 095	9 026	2 533	9 246
1968	46 473	461	2 822	14 514	8 489	6 024	3 757	3 164	9 378	2 651	9 727
1969	48 208	472	3 012	14 767	8 683	6 084	3 863	3 271	9 822	2 797	10 205
1970	48 156	473	2 990	14 044	8 088	5 956	3 914	3 340	10 034	2 879	10 481
1971	48 148	455	3 071	13 544	7 697	5 847	3 872	3 327	10 288	2 936	10 655
1972	49 939	475	3 257	14 045	8 025	6 022	3 943	3 418	10 717	3 024	11 059
1973	52 201	486	3 405	14 838	8 699	6 138	4 034	3 560	11 152	3 121	11 606
1974	52 809	530	3 294	14 638	8 634	6 004	4 079	3 683	11 316	3 169	12 100
1975	50 991	571	2 808	13 043	7 532	5 510	3 894	3 650	11 373	3 173	12 479
1976	52 897	592	2 814	13 638	7 888	5 750	3 918	3 759	11 890	3 243	13 043
1977	55 179	618	3 021	14 135	8 280	5 855	4 008	3 892	12 424	3 397	13 683
1978	58 156	638	3 354	14 734	8 777	5 956	4 142	4 109	13 110	3 593	14 476
1979	60 367	719	3 565	15 068	9 082	5 986	4 299	4 290	13 458	3 776	15 193
1980	60 331	762	3 421	14 214	8 416	5 798	4 293	4 328	13 484	3 907	15 921
1981	60 923	841	3 261	14 020	8 270	5 751	4 283	4 375	13 582	3 999	16 562
1982	59 468	821	2 998	12 742	7 290	5 451	4 190	4 261	13 594	3 996	16 867
1983	60 028	673	3 031	12 528	7 095	5 433	4 072	4 239	13 989	4 066	17 429
1984	63 339	686	3 404	13 280	7 715	5 565	4 258	4 466	14 736	4 226	18 284
1985	65 475	658	3 655	13 084	7 618	5 466	4 335	4 607	15 421	4 410	19 305
1986	66 866	545	3 770	12 864	7 399	5 465	4 339	4 623	15 925	4 637	20 163
1987	68 771	511	3 870	12 952	7 409	5 543	4 446	4 685	16 378	4 797	21 132
1988	71 099	512	3 980	13 193	7 582	5 611	4 555	4 858	16 869	4 811	22 323
1989	73 017	493	4 035	13 230	7 594	5 636	4 655	4 981	17 262	4 829	23 532

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-7. Production Workers on Durable Goods Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

(Thousands of people.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL	7 396	7 000	6 852	6 879	7 132	7 351	7 425	7 597	7 720	7 650	7 658	7 163	6 529	6 157
Wood products	449.9	412.8	417.0	436.8	468.7	477.5	484.9	496.6	507.9	514.4	505.6	468.3	448.7	431.9
Nonmetallic mineral products	413.2	384.1	378.4	380.7	392.3	399.7	404.8	412.5	420.6	426.0	439.5	427.1	398.8	373.6
Primary metals	525.1	496.9	478.7	473.3	487.4	500.3	500.3	501.6	505.3	491.9	490.0	446.9	396.2	369.7
Fabricated metal products	1 190.1	1 131.6	1 101.0	1 116.9	1 172.0	1 223.0	1 241.6	1 285.3	1 319.6	1 304.9	1 325.8	1 253.5	1 147.0	1 092.0
Machinery	937.6	883.6	856.3	874.1	921.1	968.5	983.2	1 005.5	1 014.7	977.0	959.9	889.1	785.4	733.7
Computer and electronic products	980.2	925.6	876.3	856.4	863.9	890.3	915.2	951.1	964.7	932.9	949.3	875.8	744.1	675.8
Electrical equipment and appliances	465.2	435.6	425.0	421.8	434.7	438.4	433.9	427.7	431.8	433.2	433.1	402.2	351.9	319.8
Transportation equipment	1 472.5	1 405.5	1 387.7	1 366.1	1 414.6	1 471.1	1 480.0	1 520.8	1 529.2	1 525.4	1 496.7	1 397.7	1 309.3	1 270.8
Furniture and related products	475.2	440.0	442.8	454.2	475.7	480.0	477.9	489.7	512.1	532.4	544.3	509.0	474.8	444.7
Miscellaneous manufacturing	487.2	484.2	489.1	498.2	502.1	502.2	503.3	506.6	514.3	512.2	513.2	493.1	472.5	444.9

Table 2-8. Production Workers on Durable Goods Manufacturing Payrolls by Industry, Selected Years, SIC Series, 1939–1989

(Thousands of people.)

Year	Total	Lumber and wood products	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries		Fabricated metal products	Industrial machinery and equipment	Electronic and other electrical equipment	Transportation equipment		Instruments and related products	Miscellaneous manufacturing
					Total	Blast furnaces and basic steel products				Total	Motor vehicles and equipment		
1939	3 926	...	...	297.0	...	452.6	...	...	...	539.5	388.3	...	...
1940	4 506	...	...	310.7	...	519.6	...	...	...	710.7	448.6	...	...
1945	7 571	...	...	334.4	...	527.3	...	...	...	2 057.4	519.7	...	...
1950	6 741	777.2	301.8	447.6	1 030.5	586.8	861.5	938.6	...	1 016.4	677.1	...	343.7
1955	7 580	706.3	292.6	469.1	1 069.4	604.5	974.5	1 082.1	...	1 418.1	718.3	...	330.4
1956	7 701	696.0	300.6	479.9	1 084.6	595.4	977.0	1 170.9	...	1 366.2	619.5	...	333.1
1957	7 581	622.0	298.2	466.5	1 071.4	600.1	989.1	1 155.6	...	1 394.5	601.7	...	315.3
1958	6 611	581.8	284.4	433.5	890.8	486.5	892.2	956.3	...	1 128.8	452.5	...	299.5
1959	7 065	628.5	305.7	469.7	914.2	470.9	939.5	1 038.9	...	1 183.8	537.5	...	312.9
1960	7 060	595.8	303.5	465.5	956.9	528.4	943.4	1 047.4	...	1 134.6	563.3	...	314.3
1961	6 650	551.4	289.5	444.4	880.8	478.4	896.5	987.3	...	1 029.2	479.1	...	303.5
1962	6 967	562.7	304.5	452.3	901.5	476.3	944.8	1 049.4	...	1 096.5	534.0	...	313.2
1963	7 059	565.8	308.7	458.1	911.7	479.1	965.4	1 070.9	...	1 142.9	573.6	...	310.4
1964	7 245	574.8	320.9	467.4	967.1	515.6	992.2	1 131.8	...	1 144.7	579.2	...	317.9
1965	7 746	579.3	340.3	477.8	1 022.7	538.4	1 059.5	1 227.4	...	1 259.2	658.9	...	335.5
1966	8 400	587.4	364.4	489.9	1 055.5	530.9	1 158.9	1 358.1	...	1 385.3	670.3	...	346.1
1967	8 396	570.6	357.6	473.5	1 015.7	509.5	1 204.8	1 383.2	...	1 390.9	626.9	...	338.3
1968	8 489	581.0	371.5	482.0	1 002.6	506.2	1 243.5	1 357.5	...	1 449.9	680.8	...	340.4
1969	8 683	594.3	382.9	498.5	1 042.2	513.6	1 283.6	1 397.1	...	1 443.3	708.0	...	344.6
1970	8 088	563.5	362.4	484.9	999.7	499.7	1 188.3	1 335.8	...	1 222.7	605.3	...	328.7
1971	7 697	588.4	364.5	485.5	923.3	454.6	1 128.0	1 195.1	...	1 196.1	655.4	...	317.6
1972	8 025	636.7	400.4	515.5	932.9	452.6	1 189.1	1 258.4	...	1 225.7	676.0	...	339.9
1973	8 699	664.9	420.0	545.8	1 010.5	484.8	1 276.7	1 415.9	...	1 324.1	754.9	...	356.4
1974	8 634	618.1	401.9	539.1	1 029.5	487.3	1 255.9	1 494.3	...	1 256.3	687.5	...	353.8
1975	7 532	525.6	337.3	472.7	886.6	428.1	1 089.6	1 350.2	...	1 141.7	602.4	...	310.6
1976	7 888	585.4	364.0	486.2	904.4	430.5	1 138.2	1 352.0	...	1 222.5	682.4	...	328.7
1977	8 280	625.8	381.8	504.6	922.1	432.6	1 197.5	1 434.7	...	1 277.0	734.7	...	334.2
1978	8 777	656.5	406.3	524.9	954.3	441.7	1 269.3	1 540.0	...	1 369.5	781.7	...	344.5
1979	9 082	663.7	405.9	529.1	986.4	451.3	1 298.3	1 648.2	...	1 408.5	764.4	...	338.8
1980	8 416	587.2	375.8	486.0	877.6	395.7	1 194.3	1 614.4	...	1 220.3	575.4	...	313.1
1981	8 270	562.5	373.8	464.8	861.9	391.6	1 170.6	1 592.4	...	1 206.8	586.0	...	302.1
1982	7 290	496.7	341.8	412.7	683.4	293.9	1 027.5	1 367.1	...	1 067.7	511.9	...	276.4
1983	7 095	555.3	356.1	411.6	619.8	256.3	993.6	1 206.9	...	1 084.8	568.3	...	266.7
1984	7 715	598.2	389.9	431.0	651.4	256.8	1 078.4	1 342.3	...	1 202.5	663.9	...	277.5
1985	7 618	592.2	393.6	426.7	611.4	231.5	1 082.9	1 319.8	...	1 243.6	684.5	...	264.0
1986	7 399	605.0	397.4	426.2	565.3	208.7	1 051.0	1 233.7	...	1 258.0	670.2	...	261.6
1987	7 409	627.8	412.0	428.7	562.2	202.8	1 037.6	1 203.4	...	1 278.2	673.1	...	269.4
1988	7 582	638.9	420.2	442.7	589.0	215.4	1 061.5	1 256.1	1 112.3	1 272.8	667.4	508.0	280.3
1989	7 594	625.7	417.7	443.6	588.9	215.2	1 070.4	1 281.5	1 101.7	1 277.7	663.8	509.4	277.6

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-9. Production Workers on Nondurable Goods Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

(Thousands of people.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL	5 273	5 164	5 168	5 192	5 229	5 215	5 107	5 076	5 009	4 873	4 770	4 514	4 239	4 043
Food manufacturing	1 165.0	1 174.2	1 182.0	1 195.3	1 200.4	1 221.0	1 227.7	1 227.7	1 227.6	1 228.7	1 227.9	1 221.3	1 202.3	1 193.5
Beverage and tobacco products	117.2	116.9	116.2	117.6	118.2	117.3	120.1	121.4	122.5	120.1	116.9	115.6	119.5	106.9
Textile mills	417.9	407.2	406.0	403.9	403.3	393.2	371.7	367.1	357.2	333.7	315.2	275.8	242.2	216.0
Textile product mills	170.1	160.9	163.0	167.2	176.0	176.3	173.4	174.7	173.9	173.4	171.8	163.9	153.7	141.7
Apparel	830.0	805.1	809.8	788.0	763.1	719.3	650.2	611.5	549.9	471.8	415.4	351.2	294.3	249.0
Leather and allied products	116.6	107.5	104.4	101.4	97.2	88.5	78.5	73.6	67.0	59.9	55.4	46.8	40.0	35.4
Paper and paper products	493.2	488.4	489.9	490.9	492.8	493.8	487.5	488.7	484.1	474.0	467.5	446.3	421.4	394.9
Printing and related support	597.6	581.7	573.6	579.7	591.4	599.1	594.0	597.0	598.4	585.1	575.7	544.4	492.6	470.9
Petroleum and coal products	97.5	97.4	96.8	93.0	90.9	88.8	87.2	87.8	87.1	84.6	83.1	80.9	78.0	74.6
Chemicals	620.3	599.7	586.2	590.1	595.6	598.4	595.1	593.3	600.6	595.2	587.7	562.2	531.9	525.4
Plastics and rubber products	647.7	624.8	639.8	664.7	699.6	719.8	721.3	732.7	740.4	747.0	753.6	705.3	662.7	634.7

Table 2-10. Production Workers on Nondurable Goods Manufacturing Payrolls by Industry, Selected Years, SIC Basis, 1939–1989

(Thousands of people.)

Industry	Total	Food and kindred products	Tobacco products	Textile mill products	Apparel and other textile products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Rubber and miscellaneous plastics products	Leather and leather products
1939	4 392	989.0	...	1 108.0	814.0	264.6	320.0	252.0	100.0	149.0	349.0
1940	4 434	1 003.0	...	1 090.0	819.0	276.8	321.0	274.0	105.0	161.0	337.0
1945	5 438	1 380.0	...	1 074.0	973.0	342.8	381.0	518.0	148.0	255.0	325.0
1950	5 781	1 331.0	95.0	1 169.0	1 080.0	413.0	494.0	461.0	165.0	279.0	355.0
1955	5 708	1 291.7	94.4	961.6	1 086.4	450.6	539.0	518.1	163.2	316.3	344.0
1956	5 735	1 302.1	90.1	944.3	1 088.1	461.5	559.6	525.7	161.2	319.5	340.9
1957	5 607	1 263.2	85.3	893.3	1 072.0	460.3	563.7	519.7	156.6	318.1	331.0
1958	5 387	1 222.0	84.1	832.5	1 039.5	451.2	563.2	493.7	146.9	290.2	318.2
1959	5 538	1 222.1	83.9	857.4	1 091.4	468.7	575.1	505.6	139.9	317.7	332.9
1960	5 526	1 211.8	83.3	835.1	1 098.2	476.5	588.9	509.9	137.9	320.5	320.9
1961	5 433	1 191.1	79.6	805.0	1 079.6	474.9	591.7	505.0	129.9	314.7	316.4
1962	5 521	1 178.4	78.7	812.1	1 122.9	482.8	594.5	519.3	125.5	343.3	318.9
1963	5 495	1 167.1	76.6	793.4	1 138.0	483.2	590.3	525.3	119.9	349.8	307.8
1964	5 537	1 157.3	78.4	798.2	1 158.3	485.6	602.1	529.4	114.2	364.1	305.5
1965	5 688	1 159.1	74.8	826.7	1 205.6	494.4	620.6	546.1	112.9	394.3	310.0
1966	5 895	1 180.0	71.8	858.8	1 245.7	514.9	646.4	574.3	114.7	427.1	318.5
1967	5 912	1 187.3	73.9	850.2	1 237.2	522.9	661.6	592.3	114.7	425.3	303.7
1968	6 024	1 191.6	71.9	880.7	1 240.1	532.7	667.0	609.9	118.0	463.2	306.3
1969	6 084	1 201.8	69.6	884.0	1 237.9	547.0	681.7	621.9	112.2	491.3	294.4
1970	5 956	1 206.9	69.0	855.0	1 196.4	539.6	679.0	604.0	118.2	472.7	273.4
1971	5 847	1 203.2	63.4	837.2	1 177.5	518.4	658.0	587.8	124.1	478.5	257.1
1972	6 022	1 191.8	62.2	866.6	1 208.0	528.1	665.7	592.8	125.1	524.8	256.4
1973	6 138	1 166.8	64.8	886.2	1 249.7	539.6	672.9	610.5	123.9	579.1	245.0
1974	6 004	1 163.6	63.8	842.2	1 174.9	540.8	660.4	623.0	126.1	576.5	232.3
1975	5 510	1 120.3	62.4	752.4	1 066.6	476.6	624.0	579.6	123.0	492.7	212.6
1976	5 750	1 145.1	63.6	800.4	1 134.3	505.0	624.7	600.1	127.8	521.6	227.0
1977	5 855	1 161.0	57.0	792.3	1 129.4	514.8	646.5	616.0	131.3	587.7	218.4
1978	5 956	1 173.9	56.2	783.1	1 144.6	521.3	671.9	627.6	135.5	622.1	220.4
1979	5 986	1 190.8	55.5	770.9	1 116.8	532.1	697.2	633.3	137.1	643.0	209.1
1980	5 798	1 174.6	53.6	736.9	1 079.4	519.3	698.9	625.8	124.7	588.2	196.6
1981	5 751	1 149.5	54.7	712.5	1 059.5	515.0	699.3	628.3	133.9	596.8	201.1
1982	5 451	1 125.5	53.4	642.1	981.2	490.7	699.1	598.6	119.9	557.8	182.9
1983	5 433	1 113.5	52.0	639.2	983.5	491.2	711.5	578.6	118.0	574.2	171.1
1984	5 565	1 118.9	48.6	645.6	1 002.1	508.1	757.7	582.8	111.3	632.2	158.0
1985	5 466	1 117.0	48.0	606.3	943.9	508.4	787.9	577.4	108.5	631.7	136.6
1986	5 465	1 129.4	44.1	608.1	926.0	507.2	815.7	567.6	105.9	638.5	122.7
1987	5 543	1 145.1	41.5	629.5	921.7	512.3	839.4	574.6	106.8	652.6	119.7
1988	5 611	1 154.8	40.7	631.8	912.4	516.3	863.6	596.0	104.3	673.5	117.8
1989	5 636	1 176.2	37.0	621.9	906.8	520.5	863.2	603.1	101.8	691.5	114.1

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-11. Average Weekly Hours of Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Super Sector, NAICS Basis, 1990–2003

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL PRIVATE	34.3	34.1	34.2	34.3	34.5	34.3	34.3	34.5	34.5	34.3	34.3	34.0	33.9	33.7
Goods-producing	40.1	40.1	40.2	40.6	41.1	40.8	40.8	41.1	40.8	40.8	40.7	39.9	39.9	39.8
Natural resources and mining	45.0	45.3	44.6	44.9	45.3	45.3	46.0	46.2	44.9	44.2	44.4	44.6	43.2	43.6
Construction	38.3	38.1	38.0	38.4	38.8	38.8	38.9	38.9	38.8	39.0	39.2	38.7	38.4	38.4
Manufacturing	40.5	40.4	40.7	41.1	41.7	41.3	41.3	41.7	41.4	41.4	41.3	40.3	40.5	40.4
Private service-providing	32.5	32.4	32.5	32.5	32.7	32.6	32.6	32.8	32.8	32.7	32.7	32.5	32.5	32.4
Trade, transportation, and utilities	33.7	33.7	33.8	34.1	34.3	34.1	34.1	34.3	34.2	33.9	33.8	33.5	33.6	33.6
Wholesale trade	38.4	38.4	38.6	38.5	38.8	38.6	38.6	38.8	38.6	38.6	38.8	38.4	38.0	37.8
Retail trade	30.6	30.4	30.7	30.7	30.9	30.8	30.7	30.9	30.9	30.8	30.7	30.7	30.9	30.9
Transportation and warehousing	37.7	37.4	37.4	38.9	39.5	38.9	39.1	39.4	38.7	37.6	37.4	36.7	36.8	36.8
Utilities	41.5	41.5	41.7	42.1	42.3	42.3	42.0	42.0	42.0	42.0	42.0	41.4	40.9	41.1
Information	35.8	35.6	35.8	36.0	36.0	36.0	36.4	36.3	36.6	36.7	36.8	36.9	36.5	36.2
Financial activities	35.5	35.5	35.6	35.5	35.5	35.5	35.5	35.7	36.0	35.8	35.9	35.8	35.6	35.5
Professional and business services	34.2	34.0	34.0	34.0	34.1	34.0	34.1	34.3	34.3	34.4	34.5	34.2	34.2	34.1
Educational and health services	31.9	31.9	32.0	32.0	32.0	32.0	31.9	32.2	32.2	32.1	32.2	32.3	32.4	32.3
Leisure and hospitality	26.0	25.6	25.7	25.9	26.0	25.9	25.9	26.0	26.2	26.1	26.1	25.8	25.8	25.6
Other services	32.8	32.7	32.6	32.6	32.7	32.6	32.5	32.7	32.6	32.5	32.5	32.3	32.0	31.4

Table 2-12. Average Weekly Hours of Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Major Industry, SIC Basis, 1947-1989

Year	Total private	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
				Total	Durable goods	Nondurable goods					
1947	40.3	40.8	38.2	40.4	40.5	40.2	...	41.1	40.3	37.9	...
1948	40.0	39.4	38.1	40.0	40.4	39.6	...	41.0	40.2	37.9	...
1949	39.4	36.3	37.7	39.1	39.4	38.9	...	40.8	40.4	37.8	...
1950	39.8	37.9	37.4	40.5	41.1	39.7	...	40.7	40.4	37.7	...
1951	39.9	38.4	38.1	40.6	41.5	39.6	...	40.8	40.4	37.7	...
1952	39.9	38.6	38.9	40.7	41.4	39.7	...	40.7	39.8	37.8	...
1953	39.6	38.8	37.9	40.5	41.2	39.6	...	40.6	39.1	37.7	...
1954	39.1	38.6	37.2	39.6	40.1	39.0	...	40.5	39.2	37.6	...
1955	39.6	40.7	37.1	40.7	41.3	39.9	...	40.7	39.0	37.6	...
1956	39.3	40.8	37.5	40.4	41.0	39.6	...	40.5	38.6	36.9	...
1957	38.8	40.1	37.0	39.8	40.3	39.2	...	40.3	38.1	36.7	...
1958	38.5	38.9	36.8	39.2	39.5	38.8	...	40.2	38.1	37.1	...
1959	39.0	40.5	37.0	40.3	40.7	39.7	...	40.6	38.2	37.3	...
1960	38.6	40.4	36.7	39.7	40.1	39.2	...	40.5	38.0	37.2	...
1961	38.6	40.5	36.9	39.8	40.2	39.3	...	40.5	37.6	36.9	...
1962	38.7	41.0	37.0	40.4	40.9	39.7	...	40.6	37.4	37.3	...
1963	38.8	41.6	37.3	40.5	41.1	39.6	...	40.6	37.3	37.5	...
1964	38.7	41.9	37.2	40.7	41.5	39.7	41.1	40.7	37.0	37.3	36.1
1965	38.8	42.3	37.4	41.2	42.0	40.1	41.3	40.8	36.6	37.2	35.9
1966	38.6	42.7	37.6	41.4	42.1	40.2	41.2	40.7	35.9	37.3	35.5
1967	38.0	42.6	37.7	40.6	41.2	39.7	40.5	40.3	35.3	37.1	35.1
1968	37.8	42.6	37.3	40.7	41.4	39.8	40.6	40.1	34.7	37.0	34.7
1969	37.7	43.0	37.9	40.6	41.3	39.7	40.7	40.2	34.2	37.1	34.7
1970	37.1	42.7	37.3	39.8	40.3	39.1	40.5	39.9	33.8	36.7	34.4
1971	36.9	42.4	37.2	39.9	40.3	39.3	40.1	39.4	33.7	36.6	33.9
1972	37.0	42.6	36.5	40.5	41.2	39.7	40.4	39.4	33.4	36.6	33.9
1973	36.9	42.4	36.8	40.7	41.4	39.6	40.5	39.2	33.1	36.6	33.8
1974	36.5	41.9	36.6	40.0	40.6	39.1	40.2	38.8	32.7	36.5	33.6
1975	36.1	41.9	36.4	39.5	39.9	38.8	39.7	38.6	32.4	36.5	33.5
1976	36.1	42.4	36.8	40.1	40.6	39.4	39.8	38.7	32.1	36.4	33.3
1977	36.0	43.4	36.5	40.3	41.0	39.4	39.9	38.8	31.6	36.4	33.0
1978	35.8	43.4	36.8	40.4	41.1	39.4	40.0	38.8	31.0	36.4	32.8
1979	35.7	43.0	37.0	40.2	40.8	39.3	39.9	38.8	30.6	36.2	32.7
1980	35.3	43.3	37.0	39.7	40.1	39.0	39.6	38.4	30.2	36.2	32.6
1981	35.2	43.7	36.9	39.8	40.2	39.2	39.4	38.5	30.1	36.3	32.6
1982	34.8	42.7	36.7	38.9	39.3	38.4	39.0	38.3	29.9	36.2	32.6
1983	35.0	42.5	37.1	40.1	40.7	39.4	39.0	38.5	29.8	36.2	32.7
1984	35.2	43.3	37.8	40.7	41.4	39.7	39.4	38.5	29.8	36.5	32.6
1985	34.9	43.4	37.7	40.5	41.2	39.6	39.5	38.4	29.4	36.4	32.5
1986	34.8	42.2	37.4	40.7	41.3	39.9	39.2	38.3	29.2	36.4	32.5
1987	34.8	42.4	37.8	41.0	41.5	40.2	39.2	38.1	29.2	36.3	32.5
1988	34.7	42.3	37.9	41.1	41.8	40.2	38.2	38.1	29.1	35.9	32.6
1989	34.6	43.0	37.9	41.0	41.6	40.2	38.3	38.0	28.9	35.8	32.6

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-13. Average Weekly Hours of Production Workers on Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
DURABLE GOODS														
TOTAL	41.1	40.9	41.3	41.9	42.6	42.1	42.1	42.6	42.1	41.9	41.8	40.6	40.8	40.8
Wood products	40.4	40.2	40.9	41.2	41.7	41.0	41.2	41.4	41.4	41.3	41.0	40.2	39.9	40.4
Nonmetallic mineral products	40.9	40.5	41.0	41.5	42.2	41.8	42.0	41.9	42.2	42.1	41.6	41.6	42.0	42.2
Primary metals	42.0	41.5	42.4	43.1	44.1	43.4	43.6	44.3	43.5	43.8	44.2	42.4	42.4	42.3
Fabricated metal products	41.0	40.8	41.2	41.6	42.3	41.9	41.9	42.3	41.9	41.7	41.9	40.6	40.6	40.7
Machinery	42.1	41.9	42.4	43.2	43.9	43.5	43.3	44.0	43.1	42.3	42.3	40.9	40.5	40.8
Computer and electronic products	41.3	40.9	41.4	41.8	42.2	42.2	41.9	42.5	41.8	41.5	41.4	39.8	39.7	40.4
Electrical equipment and appliances	41.2	41.5	41.8	42.4	43.0	41.9	42.1	42.1	41.8	41.8	41.6	39.8	40.1	40.6
Transportation equipment	42.0	41.9	41.9	43.0	44.3	43.7	43.8	44.2	43.2	43.6	43.3	41.9	42.5	41.9
Furniture and related products	38.0	37.8	38.7	39.0	39.3	38.5	38.3	39.1	39.4	39.3	39.2	38.3	39.2	38.9
Miscellaneous manufacturing	39.0	39.1	39.3	39.2	39.4	39.2	39.1	39.7	39.2	39.3	39.0	38.8	38.6	38.4
NONDURABLE GOODS														
TOTAL	39.6	39.7	40.0	40.1	40.5	40.1	40.1	40.5	40.5	40.4	40.3	39.9	40.1	39.8
Food manufacturing	39.3	39.2	39.2	39.3	39.8	39.6	39.5	39.8	40.1	40.2	40.1	39.6	39.6	39.3
Beverage and tobacco products	38.9	38.8	38.7	38.3	39.3	39.3	39.7	40.0	40.3	41.0	42.0	40.9	39.4	39.1
Textile mills	40.2	40.7	41.3	41.6	41.9	40.9	40.8	41.6	41.0	41.0	41.4	40.0	40.6	39.1
Textile product mills	39.0	39.1	39.2	39.8	39.9	39.1	39.2	39.6	39.5	39.4	39.0	38.6	39.2	39.6
Apparel	34.8	35.4	35.6	35.5	35.7	35.3	35.2	35.5	35.5	35.4	35.7	36.0	36.7	35.6
Leather and allied products	37.4	37.6	37.9	38.4	38.2	37.7	37.8	38.2	37.4	37.2	37.5	36.4	37.5	39.3
Paper and paper products	43.6	43.6	43.8	43.8	44.2	43.4	43.5	43.9	43.6	43.6	42.8	42.1	41.9	41.5
Printing and related support	38.7	38.6	39.0	39.2	39.6	39.1	39.1	39.5	39.3	39.1	39.2	38.7	38.4	38.2
Petroleum and coal products	44.4	43.9	43.6	44.0	44.3	43.7	43.7	43.1	43.6	42.6	42.7	43.8	43.0	44.5
Chemicals	42.8	43.1	43.3	43.2	43.4	43.3	43.3	43.4	43.2	42.7	42.2	41.9	42.3	42.4
Plastics and rubber products	40.6	40.5	41.2	41.4	41.8	41.1	41.0	41.4	41.3	41.3	40.8	40.0	40.6	40.4

Table 2-14. Average Weekly Hours of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947–1989

Year	Durable goods												
	Total	Lumber and wood products	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries		Fabricated metal products	Industrial machinery and equipment	Electronic and other electrical equipment	Transportation equipment		Instruments and related products	Miscellaneous manufacturing
					Total	Blast furnaces and basic steel products				Total	Motor vehicles and equipment		
1947	40.5	40.3	41.5	41.0	39.9	39.0	40.9	41.5	...	39.7	39.8	...	40.5
1948	40.4	40.0	41.0	40.7	40.2	39.5	40.7	41.3	...	39.4	39.2	...	40.6
1949	39.4	39.2	40.0	39.7	38.4	38.2	39.7	39.6	...	39.6	39.7	...	39.6
1950	41.1	39.5	41.8	41.1	40.9	39.9	41.5	41.9	...	41.4	42.1	...	40.8
1951	41.5	39.3	41.1	41.4	41.6	40.9	41.8	43.5	...	41.2	40.4	...	40.5
1952	41.4	39.7	41.4	41.1	40.8	40.0	41.7	43.0	...	41.8	41.4	...	40.7
1953	41.2	39.3	40.9	40.8	41.0	40.5	41.8	42.4	...	41.6	42.0	...	40.5
1954	40.1	39.1	40.0	40.5	38.8	37.8	40.8	40.7	...	40.9	41.5	...	39.6
1955	41.3	39.5	41.4	41.4	41.3	40.5	41.7	41.9	...	42.3	43.6	...	40.3
1956	41.0	38.9	40.7	41.1	41.0	40.5	41.3	42.3	...	41.4	41.2	...	40.0
1957	40.3	38.4	39.9	40.4	39.6	39.1	40.9	41.1	...	40.8	40.9	...	39.7
1958	39.5	38.6	39.3	40.0	38.3	37.5	39.9	39.8	...	40.0	39.7	...	39.2
1959	40.7	39.7	40.7	41.2	40.5	40.1	40.9	41.5	...	40.7	41.1	...	39.9
1960	40.1	39.1	40.0	40.6	39.0	38.2	40.5	41.0	...	40.7	41.0	...	39.3
1961	40.2	39.5	40.0	40.7	39.5	38.9	40.5	40.9	...	40.5	40.1	...	39.5
1962	40.9	39.8	40.7	41.0	40.2	39.2	41.1	41.7	...	42.0	42.7	...	39.7
1963	41.1	40.2	40.9	41.4	41.0	40.2	41.3	41.8	...	42.0	42.8	...	39.6
1964	41.5	40.4	41.2	41.7	41.7	41.2	41.7	42.4	...	42.1	43.0	...	39.6
1965	42.0	40.9	41.5	42.0	42.1	41.2	42.1	43.1	...	42.9	44.2	...	39.9
1966	42.1	40.8	41.5	42.0	42.1	41.0	42.4	43.8	...	42.6	42.8	...	40.0
1967	41.2	40.3	40.4	41.6	41.1	40.2	41.5	42.5	...	41.4	40.8	...	39.4
1968	41.4	40.6	40.6	41.8	41.6	41.0	41.7	42.0	...	42.2	43.1	...	39.4
1969	41.3	40.2	40.4	41.9	41.8	41.3	41.6	42.5	...	41.5	41.7	...	39.0
1970	40.3	39.6	39.2	41.2	40.4	40.0	40.7	41.1	...	40.3	40.3	...	38.7
1971	40.3	39.8	39.8	41.6	40.1	39.6	40.4	40.6	...	40.7	41.2	...	38.9
1972	41.2	40.4	40.2	42.0	41.4	40.6	41.2	42.1	...	41.7	43.0	...	39.5
1973	41.4	40.0	40.0	41.9	42.3	41.7	41.6	42.8	...	42.1	43.5	...	39.0
1974	40.6	39.2	39.1	41.3	41.6	41.3	40.8	42.1	...	40.5	40.6	...	38.7
1975	39.9	38.8	38.0	40.4	40.0	39.5	40.1	40.8	...	40.4	40.3	...	38.5
1976	40.6	39.9	38.8	41.1	40.8	40.3	40.8	41.2	...	41.7	42.9	...	38.8
1977	41.0	39.9	39.0	41.3	41.3	40.5	41.0	41.5	...	42.5	44.0	...	38.8
1978	41.1	39.8	39.3	41.6	41.8	41.5	41.0	42.0	...	42.2	43.3	...	38.8
1979	40.8	39.5	38.7	41.5	41.4	41.2	40.7	41.7	...	41.1	41.1	...	38.8
1980	40.1	38.6	38.1	40.8	40.1	39.4	40.4	41.0	...	40.6	40.0	...	38.7
1981	40.2	38.7	38.4	40.6	40.5	40.4	40.3	40.9	...	40.9	40.9	...	38.8
1982	39.3	38.1	37.2	40.1	38.6	37.9	39.2	39.7	...	40.5	40.5	...	38.4
1983	40.7	40.1	39.4	41.5	40.5	39.5	40.6	40.5	...	42.1	43.3	...	39.1
1984	41.4	39.9	39.7	42.0	41.7	40.7	41.4	41.9	...	42.7	43.8	...	39.4
1985	41.2	39.9	39.4	41.9	41.5	41.1	41.3	41.5	...	42.6	43.5	...	39.4
1986	41.3	40.4	39.8	42.2	41.9	41.7	41.3	41.6	...	42.3	42.6	...	39.6
1987	41.5	40.6	40.0	42.3	43.1	43.4	41.6	42.2	...	42.0	42.2	...	39.4
1988	41.8	40.1	39.4	42.3	43.5	44.0	41.9	42.7	41.0	42.7	43.5	41.4	39.2
1989	41.6	40.1	39.5	42.3	43.0	43.4	41.6	42.4	40.8	42.4	43.1	41.1	39.4

... = Not available.

Table 2-14. Average Weekly Hours of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947–1989—Continued

Year	Nondurable goods										
	Total	Food and kindred products	Tobacco products	Textile mill products	Apparel and other textile products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Rubber and miscellaneous plastics products	Leather and leather products
1947	40.2	43.2	38.9	39.6	36.0	43.1	40.2	41.2	40.6	40.0	38.6
1948	39.6	42.4	38.3	39.2	35.8	42.8	39.4	41.2	40.6	39.3	37.2
1949	38.9	41.9	37.3	37.7	35.4	41.7	38.8	40.7	40.3	38.5	36.6
1950	39.7	41.9	38.1	39.6	36.0	43.3	38.9	41.2	40.8	41.0	37.6
1951	39.6	42.1	38.5	38.8	35.6	43.1	38.9	41.3	40.8	40.8	36.9
1952	39.7	41.9	38.4	39.1	36.3	42.8	38.9	40.9	40.5	40.9	38.4
1953	39.6	41.5	38.1	39.1	36.1	43.0	39.0	41.0	40.7	40.4	37.7
1954	39.0	41.3	37.6	38.3	35.3	42.3	38.5	40.8	40.7	39.8	36.9
1955	39.9	41.5	38.7	40.1	36.3	43.1	38.9	41.1	40.9	41.7	37.9
1956	39.6	41.3	38.8	39.7	36.0	42.8	38.9	41.1	41.0	40.4	37.6
1957	39.2	40.8	38.4	38.9	35.7	42.3	38.6	40.9	40.8	40.6	37.4
1958	38.8	40.8	39.1	38.6	35.1	41.9	38.0	40.7	40.9	39.3	36.7
1959	39.7	41.0	39.1	40.4	36.3	42.8	38.5	41.4	41.2	41.3	37.9
1960	39.2	40.8	38.2	39.5	35.5	42.1	38.4	41.3	41.1	40.0	36.9
1961	39.3	40.9	39.0	39.9	35.4	42.5	38.2	41.4	41.2	40.4	37.4
1962	39.7	41.0	38.6	40.6	36.2	42.6	38.3	41.6	41.6	41.0	37.6
1963	39.6	41.0	38.7	40.6	36.1	42.7	38.3	41.6	41.7	40.9	37.5
1964	39.7	41.0	38.8	41.0	35.9	42.8	38.5	41.6	41.8	41.3	37.9
1965	40.1	41.1	37.9	41.7	36.4	43.1	38.6	41.9	42.2	42.0	38.2
1966	40.2	41.2	38.9	41.9	36.4	43.4	38.8	42.0	42.4	42.0	38.6
1967	39.7	40.9	38.6	40.9	36.0	42.8	38.4	41.6	42.7	41.4	38.2
1968	39.8	40.8	37.9	41.2	36.1	42.9	38.3	41.8	42.5	41.5	38.3
1969	39.7	40.8	37.4	40.8	35.9	43.0	38.3	41.8	42.6	41.2	37.2
1970	39.1	40.5	37.8	39.9	35.3	41.9	37.7	41.6	42.8	40.3	37.2
1971	39.3	40.3	37.8	40.6	35.6	42.1	37.5	41.6	42.8	40.4	37.7
1972	39.7	40.5	37.6	41.3	36.0	42.8	37.7	41.7	42.7	41.2	38.3
1973	39.6	40.4	38.6	40.9	35.9	42.9	37.7	41.8	42.4	41.2	37.8
1974	39.1	40.4	38.3	39.5	35.2	42.2	37.5	41.5	42.1	40.6	36.9
1975	38.8	40.3	38.2	39.3	35.2	41.6	36.9	41.0	41.2	39.9	37.1
1976	39.4	40.5	37.5	40.1	35.8	42.5	37.5	41.6	42.1	40.7	37.4
1977	39.4	40.0	37.8	40.4	35.6	42.9	37.7	41.7	42.7	41.1	36.9
1978	39.4	39.7	38.1	40.4	35.6	42.9	37.6	41.9	43.6	40.9	37.1
1979	39.3	39.9	38.0	40.4	35.3	42.6	37.5	41.9	43.8	40.6	36.5
1980	39.0	39.7	38.1	40.1	35.4	42.2	37.1	41.5	41.8	40.0	36.7
1981	39.2	39.7	38.8	39.6	35.7	42.5	37.3	41.6	43.2	40.3	36.7
1982	38.4	39.4	37.8	37.5	34.7	41.8	37.1	40.9	43.9	39.6	35.6
1983	39.4	39.5	37.4	40.4	36.2	42.6	37.6	41.6	43.9	41.2	36.8
1984	39.7	39.8	38.9	39.9	36.4	43.1	37.9	41.9	43.7	41.7	36.8
1985	39.6	40.0	37.2	39.7	36.4	43.1	37.8	41.9	43.0	41.1	37.2
1986	39.9	40.0	37.4	41.1	36.7	43.2	38.0	41.9	43.8	41.4	36.9
1987	40.2	40.2	39.0	41.8	37.0	43.4	38.0	42.3	44.0	41.6	38.2
1988	40.2	40.3	39.8	41.0	37.0	43.3	38.0	42.2	44.4	41.7	37.5
1989	40.2	40.7	38.6	40.9	36.9	43.3	37.9	42.4	44.3	41.4	37.9

Note: Data include Alaska and Hawaii beginning in 1959.

Table 2-15. Average Weekly Overtime Hours of Production Workers on Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL MANUFACTURING	3.8	3.8	4.0	4.4	5.0	4.7	4.8	5.1	4.8	4.8	4.7	4.0	4.2	4.2
DURABLE GOODS														
TOTAL	3.9	3.7	3.9	4.5	5.3	5.0	5.0	5.4	5.0	5.0	4.8	3.9	4.2	4.3
Wood products	3.3	3.1	3.6	3.9	4.3	3.9	4.0	4.0	4.0	4.2	4.1	3.7	3.9	4.1
Nonmetallic mineral products	5.0	4.7	5.0	5.4	5.9	5.7	6.1	6.0	6.4	6.1	6.1	5.5	5.9	5.8
Primary metals	4.6	4.2	4.7	5.2	6.2	5.7	5.8	6.3	5.9	6.3	6.5	5.5	5.6	5.5
Fabricated metal products	3.9	3.7	3.9	4.4	5.1	4.8	4.8	5.3	4.9	4.8	4.9	4.1	4.1	4.1
Machinery	4.0	3.8	4.1	4.8	5.6	5.3	5.2	5.8	5.1	5.0	5.1	3.9	4.0	4.2
Computer and electronic products	3.8	3.8	3.9	4.3	4.8	4.9	4.7	5.2	4.8	4.6	4.6	3.2	3.4	3.8
Electrical equipment and appliances	3.0	3.0	3.2	3.7	4.2	3.5	3.7	3.9	3.6	3.6	3.7	3.0	3.1	3.4
Transportation equipment	4.5	4.3	4.3	5.5	7.0	6.5	6.7	7.2	6.4	6.1	5.5	4.5	5.1	5.0
Furniture and related products	2.3	2.2	2.7	2.9	3.3	2.8	2.9	3.3	3.6	3.9	3.5	2.7	3.4	3.5
Miscellaneous manufacturing	3.0	3.1	3.1	3.2	3.5	3.4	3.4	3.7	3.4	3.7	3.1	2.8	2.9	2.7
NONDURABLE GOODS														
TOTAL	3.8	3.9	4.1	4.2	4.5	4.3	4.4	4.6	4.5	4.6	4.4	4.1	4.2	4.1
Food manufacturing	4.1	4.1	4.2	4.2	4.5	4.4	4.4	4.6	4.8	5.0	4.8	4.6	4.6	4.4
Beverage and tobacco products	3.8	3.9	3.8	4.0	4.9	4.8	5.0	4.8	5.0	5.3	5.8	4.9	4.8	4.0
Textile mills	4.2	4.7	5.1	5.3	5.5	5.0	5.0	5.5	5.2	5.0	4.8	3.8	4.2	4.0
Textile product mills	3.0	3.1	3.2	3.8	3.9	3.4	3.8	4.1	4.1	4.1	3.5	2.7	3.3	3.2
Apparel	2.0	2.3	2.4	2.2	2.4	2.2	2.3	2.4	2.2	2.4	2.1	1.8	2.3	2.0
Leather and allied products	4.0	4.6	4.9	5.3	4.9	4.0	4.0	4.7	4.7	4.1	4.6	2.2	2.9	2.7
Paper and paper products	4.9	5.1	5.5	5.6	5.9	5.5	5.7	6.0	5.8	5.9	5.7	4.9	5.1	5.1
Printing and related support	3.6	3.4	3.7	3.9	4.3	3.8	3.8	4.2	3.9	3.6	3.7	3.4	3.4	3.2
Petroleum and coal products	6.2	6.3	6.3	6.2	6.6	6.3	6.4	6.4	6.8	6.6	6.5	7.9	7.0	8.3
Chemicals	4.9	5.1	5.3	5.3	5.6	5.6	5.7	5.8	5.6	5.2	5.0	4.6	4.7	4.5
Plastics and rubber products	3.4	3.4	3.9	4.2	4.5	3.9	4.0	4.3	4.2	4.2	3.9	3.6	3.9	3.9

Table 2-16. Average Weekly Overtime Hours of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1956–1989

Year	Total manufacturing	Durable goods												
		Total	Lumber and wood products	Furniture and fixtures	Stone, clay, and glass products	Total	Blast furnaces and basic steel products	Fabricated metal products	Industrial machinery and equipment	Electronic and other electrical equipment	Total	Motor vehicles and equipment	Instruments and related products	Miscellaneous manufacturing
1956	2.8	3.0	2.6	2.3	3.3	2.8	...	3.1	3.9	...	3.1	...	...	2.8
1957	2.3	2.4	2.2	1.9	2.8	2.0	...	2.8	2.8	...	2.5	...	...	2.4
1958	2.0	1.9	2.3	2.0	2.8	1.4	0.9	2.1	1.8	...	2.1	2.3	...	1.9
1959	2.7	2.7	3.2	2.8	3.6	2.6	2.2	2.8	2.9	...	2.6	3.1	...	2.4
1960	2.5	2.4	2.9	2.5	3.1	1.8	1.3	2.6	2.7	...	2.7	3.2	...	2.1
1961	2.4	2.4	2.9	2.4	3.2	1.9	1.3	2.4	2.5	...	2.5	2.6	...	2.2
1962	2.8	2.8	3.2	2.9	3.4	2.2	1.4	2.9	3.1	...	3.5	4.1	...	2.3
1963	2.8	3.0	3.3	3.0	3.7	2.7	1.9	3.0	3.2	...	3.6	4.4	...	2.2
1964	3.1	3.3	3.4	3.2	3.9	3.2	2.4	3.4	3.9	...	3.9	5.0	...	2.4
1965	3.6	3.9	3.8	3.6	4.2	3.8	2.8	4.0	4.6	...	4.8	6.2	...	2.7
1966	3.9	4.3	4.0	3.8	4.5	4.0	2.7	4.5	5.5	...	4.7	4.9	...	3.0
1967	3.4	3.5	3.6	3.0	4.2	3.2	2.1	3.8	4.4	...	3.7	3.4	...	2.6
1968	3.6	3.8	3.9	3.4	4.5	3.8	2.9	4.1	4.0	...	4.6	5.8	...	2.5
1969	3.6	3.8	3.8	3.3	4.8	4.1	3.2	4.2	4.5	...	3.8	4.2	...	2.6
1970	3.0	3.0	3.3	2.3	4.2	3.0	2.3	3.3	3.2	...	2.9	3.2	...	2.2
1971	2.9	2.9	3.6	2.6	4.5	3.0	2.3	2.8	2.6	...	3.1	3.6	...	2.2
1972	3.5	3.6	4.0	3.1	4.8	3.6	2.6	3.5	3.8	...	4.3	5.3	...	2.7
1973	3.8	4.1	3.9	3.1	5.0	4.5	3.5	4.1	4.8	...	4.9	6.1	...	2.6
1974	3.3	3.4	3.3	2.4	4.4	3.9	3.1	3.5	4.2	...	3.4	3.5	...	2.2
1975	2.6	2.6	2.9	1.8	3.7	2.6	1.9	2.6	2.9	...	2.8	2.6	...	1.9
1976	3.1	3.2	3.5	2.0	4.1	3.3	2.5	3.2	3.3	...	4.2	5.4	...	2.2
1977	3.5	3.7	3.7	2.4	4.6	3.7	2.8	3.6	4.0	...	5.0	6.4	...	2.2
1978	3.6	3.8	3.7	2.7	4.8	4.2	3.5	3.8	4.3	...	5.0	6.1	...	2.4
1979	3.3	3.5	3.5	2.2	4.5	3.9	3.4	3.4	4.0	...	4.2	4.4	...	2.2
1980	2.8	2.8	2.8	1.7	3.8	2.8	2.2	2.8	3.4	...	3.2	2.6	...	1.9
1981	2.8	2.8	2.6	1.8	3.8	3.0	2.7	2.7	3.2	...	3.2	3.0	...	1.9
1982	2.3	2.2	2.3	1.5	3.5	2.0	1.5	2.0	2.2	...	2.7	2.5	...	1.6
1983	3.0	3.0	3.1	2.3	4.1	3.0	2.3	2.9	2.7	...	3.9	4.8	...	2.0
1984	3.4	3.6	3.2	2.5	4.8	3.9	3.1	3.6	3.7	...	4.7	5.6	...	2.2
1985	3.3	3.5	3.2	2.4	4.8	3.8	3.2	3.5	3.4	...	4.8	5.4	...	2.2
1986	3.4	3.5	3.5	2.6	4.9	4.1	3.8	3.5	3.4	...	4.3	4.4	...	2.4
1987	3.7	3.8	3.8	2.8	5.1	4.9	5.0	3.8	4.0	...	4.2	4.3	...	2.6
1988	3.9	4.1	3.6	2.7	5.2	5.5	5.8	4.1	4.4	3.4	4.7	5.2	3.0	2.5
1989	3.8	3.9	3.5	2.7	5.1	5.2	5.5	3.9	4.3	3.2	4.6	4.7	2.8	2.5

... = Not available.

Table 2-16. Average Weekly Overtime Hours of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1956–1989—Continued

Year	Nondurable goods										
	Total	Food and kindred products	Tobacco products	Textile mill products	Apparel and other textile products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Rubber and miscellaneous plastics products	Leather and leather products
1956	2.4	3.1	1.3	2.6	1.0	4.5	3.1	2.1	2.2	2.2	1.4
1957	2.3	2.9	1.4	2.2	1.0	4.2	2.9	2.0	2.0	2.2	1.3
1958	2.2	3.1	1.3	2.1	1.0	3.9	2.5	1.9	1.8	2.0	1.1
1959	2.7	3.3	1.2	3.1	1.3	4.5	2.8	2.5	2.0	3.5	1.4
1960	2.5	3.3	1.0	2.6	1.2	4.1	2.9	2.3	2.0	2.4	1.2
1961	2.5	3.3	1.1	2.7	1.1	4.2	2.7	2.3	2.0	2.7	1.4
1962	2.7	3.4	1.0	3.2	1.3	4.4	2.8	2.5	2.3	3.1	1.4
1963	2.7	3.4	1.1	3.2	1.3	4.5	2.7	2.5	2.3	3.0	1.4
1964	2.9	3.6	1.6	3.6	1.3	4.7	2.9	2.7	2.5	3.5	1.7
1965	3.2	3.8	1.1	4.2	1.4	5.0	3.1	3.0	2.8	4.1	1.8
1966	3.4	4.0	1.4	4.4	1.5	5.5	3.5	3.3	3.2	4.4	2.1
1967	3.1	4.0	1.8	3.7	1.3	5.0	3.2	3.0	3.5	4.0	1.9
1968	3.3	4.1	1.8	4.1	1.4	5.3	3.1	3.3	3.6	4.2	2.1
1969	3.4	4.2	1.4	3.9	1.3	5.5	3.4	3.4	3.9	4.2	1.8
1970	3.0	4.0	1.7	3.3	1.1	4.6	2.8	3.1	3.8	3.4	1.7
1971	3.0	3.8	1.7	3.8	1.2	4.6	2.6	3.1	3.7	3.3	1.9
1972	3.3	4.0	1.6	4.5	1.5	4.9	2.9	3.2	3.8	4.0	2.3
1973	3.4	4.1	2.4	4.4	1.5	5.2	3.0	3.5	3.9	4.3	2.1
1974	3.0	4.1	2.1	3.3	1.2	4.6	2.7	3.3	3.9	3.5	1.8
1975	2.7	3.9	2.0	3.1	1.2	4.0	2.2	2.7	3.0	2.9	1.9
1976	3.0	4.1	1.3	3.4	1.3	4.8	2.5	3.2	3.5	3.6	1.9
1977	3.2	4.1	1.9	3.5	1.3	4.8	2.8	3.4	4.0	3.7	1.8
1978	3.2	4.0	2.1	3.6	1.3	5.1	3.0	3.5	4.3	3.7	1.8
1979	3.1	4.0	1.3	3.5	1.0	4.8	2.8	3.5	4.3	3.1	1.4
1980	2.8	3.8	1.7	3.2	1.0	4.3	2.5	3.1	3.7	2.7	1.5
1981	2.8	3.7	2.0	3.0	1.1	4.5	2.4	3.3	3.8	3.1	1.4
1982	2.5	3.6	1.4	2.2	1.0	4.1	2.3	2.8	3.9	2.7	1.2
1983	3.0	3.6	1.2	3.5	1.3	4.6	2.6	3.1	4.0	3.5	1.4
1984	3.1	3.8	1.4	3.2	1.4	4.9	2.8	3.4	4.2	3.9	1.4
1985	3.1	3.8	1.1	3.2	1.4	4.7	2.7	3.3	4.2	3.6	1.5
1986	3.3	3.9	1.4	4.0	1.6	4.8	2.9	3.6	4.5	3.8	1.5
1987	3.6	4.1	2.8	4.4	1.8	5.2	3.1	4.0	5.0	4.1	2.2
1988	3.6	4.2	2.6	4.0	1.8	5.0	3.1	4.1	5.5	4.1	2.0
1989	3.6	4.4	2.1	4.0	1.9	4.5	3.0	4.2	5.8	3.8	2.0

Table 2-17. Indexes of Aggregate Weekly Hours of Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Super Sector, NAICS Basis, 1990–2003

(2002 = 100.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL PRIVATE	84.4	82.6	83.1	85.5	89.2	91.6	93.8	97.1	99.4	101.5	103.6	102.1	100.0	98.6
Goods-producing	106.1	100.1	98.7	100.8	105.6	106.8	108.1	111.2	112.3	112.6	113.1	106.6	100.0	95.7
Natural resources and mining	128.6	123.8	113.3	110.3	111.0	110.2	112.7	117.6	112.8	102.9	105.1	108.3	100.0	97.0
Construction	78.8	70.1	67.5	71.3	77.3	79.9	84.3	88.6	93.4	99.7	104.0	103.2	100.0	98.2
Manufacturing	117.7	112.8	112.4	113.9	118.3	119.0	118.8	121.4	121.0	118.9	117.7	108.1	100.0	94.6
Private service-providing	78.3	77.8	78.8	81.2	84.6	87.3	89.7	93.1	95.8	98.4	101.0	100.8	100.0	99.4
Trade, transportation, and utilities	89.5	87.4	87.3	89.0	92.7	95.1	96.6	98.8	100.3	101.9	103.5	101.5	100.0	98.5
Wholesale trade	94.9	93.3	92.4	92.4	95.8	99.2	100.7	103.4	104.8	106.2	107.1	102.9	100.0	98.0
Retail trade	87.5	84.8	85.1	86.3	89.8	92.3	93.7	95.9	97.2	99.5	101.3	100.5	100.0	98.8
Transportation and warehousing	83.5	82.4	82.7	88.4	93.8	95.6	98.3	101.0	102.7	103.2	105.6	102.8	100.0	98.5
Utilities	124.3	123.5	121.6	119.9	117.1	112.9	108.6	106.1	105.8	105.0	104.2	102.4	100.0	98.1
Information	76.2	76.1	76.5	78.0	79.2	82.5	86.9	90.4	92.6	98.5	104.9	106.6	100.0	97.3
Financial activities	84.5	83.3	83.5	85.9	88.0	87.8	89.8	92.6	96.5	98.0	98.5	99.5	100.0	101.4
Professional and business services	68.1	66.7	68.4	71.9	77.0	81.2	85.2	91.5	96.7	101.7	106.6	104.0	100.0	98.8
Educational and health services	67.2	70.2	72.9	75.4	78.3	81.2	83.4	86.7	88.9	90.6	92.8	96.6	100.0	101.3
Leisure and hospitality	78.9	77.3	79.3	82.2	85.6	88.5	90.8	93.4	95.5	97.9	100.6	100.7	100.0	99.7
Other services	81.8	81.2	80.6	82.8	84.5	87.1	89.1	91.9	94.3	96.3	97.8	99.1	100.0	97.3

Table 2-18. Indexes of Aggregate Weekly Hours of Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Industry, SIC Basis, 1947–1989

(1982 = 100.)

Year	Total private	Goods-producing						Service-producing					
		Total	Mining	Construction	Manufacturing			Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
					Total	Durable goods	Nondurable goods						
1947	...	98.0	101.4	62.0	105.8	99.2	114.9	...	...	56.8	...	...	...
1948	...	97.8	101.9	67.6	104.2	97.4	113.8	...	...	59.5	...	...	...
1949	...	88.2	86.8	66.7	93.0	84.0	105.6	...	...	59.0	...	...	...
1950	...	96.1	88.3	71.3	102.2	96.0	110.8	...	...	59.7	...	...	...
1951	...	103.7	91.9	81.0	109.6	108.0	111.7	...	...	61.7	...	...	...
1952	...	103.9	88.2	83.3	109.6	108.9	110.6	...	...	63.3	...	...	...
1953	...	107.3	84.8	80.5	114.8	116.9	112.0	...	...	63.7	...	...	...
1954	...	96.8	75.5	78.2	102.4	100.5	105.3	...	...	63.1	...	...	...
1955	...	103.0	78.9	83.4	109.0	108.5	109.8	...	...	64.4	...	...	...
1956	...	104.7	81.5	90.2	109.5	109.5	109.5	...	...	65.9	...	...	...
1957	...	101.1	79.6	86.6	105.9	105.8	106.0	...	...	65.4	...	...	...
1958	...	90.9	67.9	80.8	94.8	90.4	100.9	...	...	63.6	...	...	...
1959	...	97.8	68.1	86.7	102.3	99.6	106.1	...	...	66.4	...	...	...
1960	...	95.8	65.7	83.2	100.7	98.1	104.4	...	...	67.3	...	...	...
1961	...	92.4	61.5	81.4	97.0	92.8	103.0	...	...	66.8	...	...	...
1962	...	96.3	59.8	83.9	101.6	98.8	105.6	...	...	68.1	...	...	...
1963	...	97.4	59.1	86.8	102.4	100.6	105.0	...	...	68.8	...	...	...
1964	75.8	99.7	59.4	89.1	104.9	104.1	106.1	65.1	87.7	70.6	73.2	60.4	51.9
1965	79.1	105.6	59.6	93.4	111.5	112.7	109.9	67.3	89.9	73.3	75.9	61.4	54.0
1966	82.5	112.0	59.3	96.3	119.2	122.7	114.4	69.3	91.7	75.7	77.6	62.8	56.4
1967	82.9	109.8	57.0	93.8	117.1	119.8	113.3	70.8	92.1	76.5	78.3	64.8	58.9
1968	84.9	111.7	56.0	95.6	119.2	121.7	115.7	72.8	93.4	77.7	80.1	67.8	61.3
1969	87.7	114.5	57.9	103.6	121.0	124.2	116.5	75.7	96.3	80.6	82.6	71.6	64.2
1970	86.3	107.8	57.6	101.3	112.8	113.0	112.4	76.7	96.9	81.7	83.4	73.0	65.3
1971	85.8	105.0	54.9	103.6	108.8	107.4	110.8	77.2	95.1	80.4	85.3	74.3	65.6
1972	89.2	110.5	57.8	107.9	114.8	115.4	114.1	79.6	97.3	82.5	88.2	76.5	68.0
1973	93.2	116.9	58.8	113.7	121.7	125.8	116.0	82.5	99.9	85.6	90.9	78.9	71.3
1974	93.2	113.7	63.4	109.5	118.1	122.4	112.1	84.0	100.4	87.6	91.0	79.8	73.9
1975	88.8	99.9	68.3	92.7	103.8	104.9	102.1	83.9	94.6	86.4	90.6	79.9	76.0
1976	92.3	105.4	71.5	94.0	110.3	111.9	108.1	86.4	95.5	89.1	93.9	81.5	78.8
1977	96.0	110.3	76.5	100.2	115.0	118.4	110.2	89.5	97.9	92.5	96.5	85.4	82.0
1978	100.7	116.5	79.0	112.2	120.1	125.9	112.0	93.6	101.3	97.7	100.0	90.3	86.3
1979	104.0	119.9	88.2	119.9	122.1	129.1	112.3	96.9	104.9	102.0	101.5	94.4	90.2
1980	102.8	112.9	94.1	115.1	113.8	117.8	108.1	98.3	104.1	101.9	100.1	97.8	94.3
1981	104.1	111.6	104.8	109.3	112.5	116.1	107.6	100.8	103.3	103.3	100.6	105.5	98.2
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	101.5	100.5	81.5	102.2	101.4	100.7	102.4	102.0	97.3	99.9	102.7	101.6	103.6
1984	107.7	109.0	84.9	116.8	109.0	111.5	105.5	107.1	102.8	105.3	108.2	106.4	108.2
1985	110.5	108.7	81.4	125.3	106.9	109.5	103.4	111.3	104.6	108.4	111.7	110.9	114.0
1986	112.3	107.3	65.7	128.2	105.7	106.8	104.2	114.6	104.0	108.5	114.3	116.7	119.2
1987	115.6	109.0	61.8	132.7	107.0	107.4	106.6	118.5	106.5	109.4	117.9	120.1	124.9
1988	119.3	111.4	61.7	136.9	109.3	110.5	107.7	122.8	108.2	113.3	121.0	119.2	132.2
1989	122.1	111.7	60.5	138.9	109.3	110.1	108.2	126.8	111.1	116.1	122.9	119.5	139.3

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-19. Indexes of Aggregate Weekly Hours of Production Workers on Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

(2002 = 100.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
DURABLE GOODS														
TOTAL	114.2	107.6	106.4	108.2	114.2	116.3	117.5	121.6	122.0	120.6	120.4	109.3	100.0	94.4
Wood products	101.5	92.6	95.2	100.5	109.1	109.3	111.6	114.8	117.5	118.6	115.8	105.0	100.0	97.6
Nonmetallic mineral products	100.8	92.8	92.6	94.2	98.8	99.7	101.5	103.2	105.8	106.9	109.1	106.1	100.0	94.0
Primary metals	131.5	122.9	120.8	121.4	128.0	129.3	129.9	132.3	131.1	128.4	128.9	113.0	100.0	93.2
Fabricated metal products	104.7	99.1	97.3	99.7	106.3	109.9	111.6	116.6	118.6	116.7	119.1	109.3	100.0	95.3
Machinery	123.9	116.3	113.9	118.6	127.0	132.3	133.8	139.0	137.4	129.9	127.6	114.1	100.0	94.0
Computer and electronic products	137.2	128.1	122.9	121.1	123.5	127.1	129.9	136.8	136.7	131.1	133.0	117.9	100.0	92.5
Electrical equipment and appliances	136.0	128.0	125.9	126.8	132.5	130.3	129.4	127.7	127.8	128.3	127.8	113.4	100.0	92.1
Transportation equipment	111.1	105.8	104.4	105.5	112.6	115.4	116.4	120.7	118.7	119.5	116.4	105.3	100.0	95.6
Furniture and related products	97.2	89.5	92.1	95.3	100.5	99.3	98.3	102.9	108.5	112.6	114.8	104.8	100.0	93.1
Miscellaneous manufacturing	104.0	103.8	105.2	106.9	108.2	107.7	107.7	110.0	110.3	110.3	109.5	104.8	100.0	93.6
NONDURABLE GOODS														
TOTAL	123.0	120.8	121.7	122.6	124.7	123.1	120.5	120.9	119.4	116.1	113.3	106.0	100.0	94.8
Food manufacturing	96.2	96.6	97.3	98.7	100.5	101.6	101.8	102.6	103.4	103.8	103.5	101.5	100.0	98.5
Beverage and tobacco products	96.9	96.4	95.4	95.6	98.7	97.9	101.4	103.1	104.9	104.7	104.2	100.3	100.0	88.8
Textile mills	170.4	168.4	170.3	170.8	171.6	163.5	154.1	155.2	148.9	139.1	132.4	112.2	100.0	85.9
Textile product mills	110.3	104.5	106.0	110.6	116.6	114.4	112.8	114.8	114.1	113.5	111.1	105.0	100.0	93.2
Apparel	267.4	264.2	267.5	259.4	252.6	235.4	211.9	201.4	181.2	154.7	137.4	117.1	100.0	82.1
Leather and allied products	290.0	268.9	263.5	259.1	246.9	221.8	197.5	187.1	166.6	148.3	138.4	113.3	100.0	92.6
Paper and paper products	121.8	120.6	121.7	121.9	123.5	121.4	120.1	121.5	119.5	117.1	113.4	106.6	100.0	92.9
Printing and related support	122.3	118.7	118.4	120.3	123.8	123.9	122.8	124.6	124.3	120.9	119.4	111.5	100.0	95.2
Petroleum and coal products	128.9	127.5	126.0	122.0	120.0	115.5	113.5	112.7	113.4	107.6	105.8	105.6	100.0	99.1
Chemicals	118.2	115.0	112.9	113.4	115.1	115.4	114.7	114.6	115.4	113.1	110.4	104.7	100.0	99.0
Plastics and rubber products	97.7	94.2	98.1	102.4	108.8	109.9	110.1	112.7	113.8	114.6	114.3	105.0	100.0	95.3

Table 2-20. Indexes of Aggregate Weekly Hours of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947-1989

(1982 = 100.)

Year	Durable goods												
	Total	Lumber and wood products	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries		Fabricated metal products	Industrial machinery and equipment	Electronic and other electrical equipment	Transportation equipment		Instruments and related products	Miscellaneous manufacturing industries
					Total	Blast furnaces and basic steel products				Total	Motor vehicles and equipment		
1947	99.2	173.6	92.0	110.4	161.7	201.2	89.1	83.9	...	94.3	120.4	...	140.1
1948	97.4	167.0	93.3	111.7	163.5	210.8	87.0	82.4	...	92.6	119.5	...	139.1
1949	84.0	146.9	82.0	100.4	135.0	180.8	74.9	66.3	...	88.3	117.7	...	121.9
1950	96.0	162.4	99.2	111.1	159.7	210.1	88.8	72.5	...	97.4	137.5	...	131.8
1951	108.0	167.4	94.5	120.2	177.4	227.4	98.4	91.4	...	115.6	132.9	...	132.1
1952	108.9	158.2	94.7	112.7	160.7	194.4	97.7	93.1	...	130.8	123.8	...	127.3
1953	116.9	152.8	96.7	115.3	174.6	225.7	107.8	93.6	...	151.5	149.9	...	136.0
1954	100.5	139.1	86.3	107.6	143.5	185.5	94.1	79.5	...	127.4	120.5	...	121.6
1955	108.5	147.5	95.1	117.5	167.3	219.8	100.9	83.7	...	138.7	151.2	...	125.2
1956	109.5	143.1	96.1	119.2	168.7	216.3	100.2	91.4	...	130.8	123.1	...	125.4
1957	105.8	126.3	93.5	113.9	161.0	210.7	100.6	87.5	...	131.7	118.7	...	117.6
1958	90.4	118.9	87.9	104.8	129.1	163.7	88.5	70.2	...	104.4	86.8	...	110.5
1959	99.6	132.0	97.7	117.0	140.2	169.3	95.6	79.4	...	111.4	106.5	...	117.6
1960	98.1	123.1	95.4	114.1	141.4	181.1	95.0	79.2	...	106.8	111.4	...	116.4
1961	92.8	115.2	90.9	109.3	132.0	166.9	90.2	74.5	...	96.4	92.8	...	113.0
1962	98.8	118.5	97.5	112.0	137.4	167.5	96.5	80.7	...	106.6	110.0	...	117.1
1963	100.6	120.2	99.2	114.6	141.7	172.7	99.2	82.5	...	111.2	118.5	...	115.7
1964	104.1	122.8	103.8	117.9	153.0	190.6	102.8	88.5	...	111.5	120.3	...	118.3
1965	112.7	125.3	111.1	121.2	163.2	199.1	110.8	97.6	...	125.0	140.5	...	126.0
1966	122.7	126.9	118.8	124.4	168.4	195.2	122.1	109.6	...	136.7	138.4	...	130.3
1967	119.8	121.5	113.5	119.1	158.1	184.0	124.2	108.5	...	133.2	123.4	...	125.6
1968	121.7	124.8	118.6	121.9	158.1	186.1	128.8	105.2	...	141.7	141.6	...	126.1
1969	124.2	126.5	121.5	126.4	165.1	190.5	132.6	109.4	...	138.5	142.4	...	126.5
1970	113.0	117.9	111.6	120.9	152.9	179.5	120.3	101.2	...	114.1	117.7	...	119.8
1971	107.4	123.8	114.0	122.2	140.5	161.5	113.2	89.5	...	112.6	130.3	...	116.2
1972	115.4	136.1	126.6	131.1	146.3	165.1	121.9	97.8	...	118.4	140.5	...	126.2
1973	125.8	140.6	132.0	138.4	161.8	181.5	131.8	111.8	...	129.1	158.5	...	130.9
1974	122.4	128.2	123.4	134.5	162.4	180.7	127.4	116.1	...	117.9	134.9	...	128.8
1975	104.9	107.8	100.7	115.6	134.3	151.8	108.4	101.6	...	106.8	117.3	...	112.5
1976	111.9	123.5	111.0	120.8	140.0	155.6	115.3	102.6	...	117.9	141.2	...	120.1
1977	118.4	132.0	117.2	125.9	144.2	157.2	121.9	109.8	...	125.6	156.0	...	122.2
1978	125.9	138.3	125.6	132.1	151.3	164.6	129.3	119.4	...	133.6	163.3	...	125.9
1979	129.1	138.6	123.5	132.8	154.8	167.0	131.4	126.9	...	134.1	151.8	...	123.8
1980	117.8	119.9	112.4	119.8	133.4	139.8	119.8	122.1	...	114.6	111.0	...	113.9
1981	116.1	115.1	112.7	114.1	132.5	141.9	117.1	120.2	...	114.2	115.7	...	110.5
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	...	100.0	100.0	...	100.0
1983	100.7	117.7	110.3	103.2	95.2	90.8	100.3	90.1	...	105.7	118.9	...	98.1
1984	111.5	126.3	121.6	109.5	102.9	93.7	111.0	103.8	...	118.9	140.2	...	102.9
1985	109.5	124.9	121.9	108.1	96.1	85.3	111.2	101.0	...	122.7	143.6	...	97.8
1986	106.8	129.2	124.2	108.7	89.8	78.2	107.8	94.7	...	123.3	137.7	...	97.5
1987	107.4	134.9	129.5	109.7	91.8	79.0	107.1	93.8	...	124.3	137.2	...	99.9
1988	110.5	135.6	130.1	113.3	97.2	85.1	110.5	98.8	113.1	125.8	140.0	89.9	103.5
1989	110.1	132.6	129.6	113.5	96.0	83.9	110.6	100.3	111.5	125.3	138.0	89.6	103.0

... = Not available.

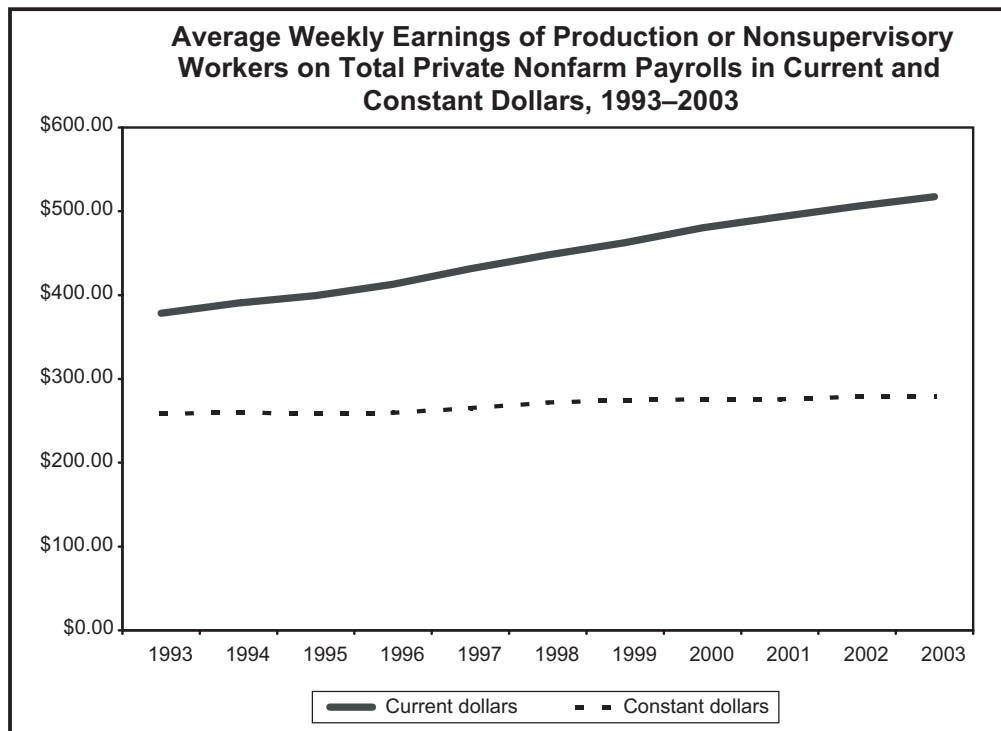
Table 2-20. Indexes of Aggregate Weekly Hours of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947-1989—Continued

(1982 = 100.)

Year	Nondurable goods										
	Total	Food and kindred products	Tobacco products	Textile mill products	Apparel and other textile products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Rubber and miscellaneous plastics products	Leather and leather products
1947	114.9	136.0	212.3	200.9	110.6	84.8	75.6	82.2	131.0	52.6	221.8
1948	113.8	131.3	202.2	203.3	112.7	84.6	75.0	81.6	135.3	50.0	211.2
1949	105.6	126.6	186.4	172.6	109.4	78.6	73.1	74.7	129.7	43.8	195.8
1950	110.8	125.7	178.9	192.5	114.0	87.1	74.2	77.6	127.7	51.7	205.0
1951	111.7	127.1	182.8	184.8	113.0	90.9	75.8	84.7	133.9	55.2	193.1
1952	110.6	125.7	184.8	174.5	115.8	87.5	76.6	84.6	130.0	55.0	203.0
1953	112.0	124.5	180.5	172.9	118.2	92.3	78.5	87.6	134.0	57.8	202.2
1954	105.3	120.7	177.2	151.7	109.1	90.4	78.0	83.9	129.1	51.1	188.4
1955	109.8	120.8	180.7	160.3	115.9	94.6	81.0	87.0	127.0	59.8	200.0
1956	109.5	121.2	173.0	155.6	114.9	96.3	84.0	88.2	125.6	58.5	196.9
1957	106.0	116.3	162.2	144.3	112.4	94.9	83.9	86.7	121.6	58.4	190.4
1958	100.9	112.3	162.7	133.7	107.2	92.1	82.6	82.1	114.3	51.6	179.3
1959	106.1	112.8	162.2	144.1	116.3	97.7	85.4	85.6	109.5	59.4	193.6
1960	104.4	111.5	157.6	137.1	114.3	97.9	87.4	86.0	107.7	58.0	181.9
1961	103.0	109.8	153.7	133.4	112.1	98.4	87.3	85.3	101.9	57.5	181.6
1962	105.6	108.8	150.4	137.0	119.4	100.2	87.9	88.1	99.2	63.7	184.4
1963	105.0	107.8	146.5	133.8	120.7	100.7	87.2	89.2	94.9	64.8	177.2
1964	106.1	107.0	150.8	136.1	122.1	101.3	89.4	89.9	90.9	68.2	177.7
1965	109.9	107.4	140.3	143.4	128.7	104.0	92.4	93.5	90.6	75.0	182.0
1966	114.4	109.5	138.2	149.5	133.2	109.0	96.8	98.6	92.4	81.3	188.8
1967	113.3	109.4	141.0	144.4	130.8	109.1	97.9	100.6	93.0	79.7	178.0
1968	115.7	109.5	134.8	150.6	131.3	111.4	98.5	104.1	95.4	87.0	180.0
1969	116.5	110.5	128.8	150.0	130.5	114.6	100.9	106.2	90.9	91.6	168.1
1970	112.4	110.2	129.2	141.8	123.9	110.2	98.9	102.5	96.2	86.3	156.4
1971	110.8	109.3	118.7	141.3	122.9	106.4	95.3	99.8	100.9	87.5	148.7
1972	114.1	108.7	115.9	148.9	127.8	110.3	96.5	100.9	101.5	97.8	150.7
1973	116.0	106.3	124.0	150.7	131.7	112.7	97.4	104.2	99.9	107.9	142.3
1974	112.1	106.0	120.9	138.5	121.3	111.2	95.5	105.7	100.9	105.8	131.8
1975	102.1	101.8	118.1	122.9	110.2	96.8	88.9	97.1	96.3	89.0	121.3
1976	108.1	104.4	118.2	133.3	119.3	104.7	90.3	102.0	102.3	96.1	130.6
1977	110.2	104.6	106.8	132.9	117.9	107.6	94.1	105.0	106.6	109.2	123.9
1978	112.0	105.1	106.1	131.6	119.5	109.0	97.5	107.4	112.2	115.3	125.5
1979	112.3	107.0	104.4	129.3	115.6	110.5	101.0	108.3	114.0	118.2	117.1
1980	108.1	105.1	101.2	122.7	112.2	106.9	100.1	106.0	99.1	106.7	110.7
1981	107.6	102.8	105.1	117.3	111.0	106.8	100.6	106.8	110.0	109.0	113.6
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	102.4	99.1	96.3	107.4	104.5	102.1	103.3	98.3	98.4	107.2	96.8
1984	105.5	100.3	93.5	107.0	107.2	106.8	110.9	99.8	92.5	119.6	89.3
1985	103.4	100.6	88.4	100.1	100.7	106.8	114.9	98.9	88.7	117.6	78.1
1986	104.2	101.7	81.6	103.8	99.7	106.9	119.6	97.3	88.1	119.6	69.5
1987	106.6	103.7	80.1	109.4	100.1	108.5	123.2	99.3	89.4	123.1	70.3
1988	107.7	105.0	80.1	107.7	99.0	108.9	126.7	102.9	88.1	127.3	67.9
1989	108.2	107.8	70.6	105.6	98.3	109.9	126.2	104.5	85.7	129.6	66.4

Note: Data include Alaska and Hawaii beginning in 1959.

EARNINGS



Average weekly earnings of production or nonsupervisory workers on private nonfarm payrolls were severely eroded by inflation. An increase of 37 percent in current dollars from 1993 to 2003 was reduced to an increase of 8 percent by increases in prices. There was almost no change in real earnings from 1999 to 2003. (Table 2-25)

OTHER HIGHLIGHTS:

- Looking at the last five years by industry, the major gainers in real weekly earnings were financial activities, education and health services, and professional and business services. Since 1998, real wages declined in natural resources and mining and transportation and warehousing. (Table 2-25)
- From 2002 to 2003 there was no change in real weekly earnings for either the goods-producing or private service providing sectors. Within goods producing, natural resources and mining increased 1.1 percent in 2003 after decreasing 3.4 percent from 2001 to 2002. In 2003, only financial activities showed a noticeable increase of 3.5 percent. (Table 2-25)
- In 2003, production workers on manufacturing payrolls earned the highest average hourly rate in Michigan (\$21.28) and the lowest in Alaska (\$12.16). (Table 2-36)

Table 2-21. Average Hourly Earnings of Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Super Sector, NAICS Basis, 1990–2003

(Dollars.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL PRIVATE	10.19	10.50	10.76	11.03	11.32	11.64	12.03	12.49	13.00	13.47	14.00	14.53	14.95	15.35
Goods-producing	11.46	11.76	11.99	12.28	12.63	12.96	13.38	13.82	14.23	14.71	15.27	15.78	16.33	16.80
Natural resources and mining	13.40	13.82	14.09	14.12	14.41	14.78	15.10	15.57	16.20	16.33	16.55	17.00	17.19	17.58
Construction	13.42	13.65	13.81	14.04	14.38	14.73	15.11	15.67	16.23	16.80	17.48	18.00	18.52	18.95
Manufacturing	10.78	11.13	11.40	11.70	12.04	12.34	12.75	13.14	13.45	13.85	14.32	14.76	15.29	15.74
Private service-providing	9.71	10.05	10.33	10.60	10.87	11.19	11.57	12.05	12.59	13.07	13.60	14.16	14.56	14.96
Trade, transportation, and utilities	9.83	10.08	10.30	10.55	10.80	11.10	11.46	11.90	12.39	12.82	13.31	13.70	14.02	14.34
Wholesale trade	11.58	11.95	12.21	12.57	12.93	13.34	13.80	14.41	15.07	15.62	16.28	16.77	16.98	17.36
Retail trade	7.71	7.89	8.12	8.36	8.61	8.85	9.21	9.59	10.05	10.45	10.86	11.29	11.67	11.90
Transportation and warehousing	12.50	12.61	12.77	12.71	12.84	13.18	13.45	13.78	14.12	14.55	15.05	15.33	15.76	16.25
Utilities	16.14	16.70	17.17	17.95	18.66	19.19	19.78	20.59	21.48	22.03	22.75	23.58	23.96	24.76
Information	13.40	13.90	14.29	14.86	15.32	15.68	16.30	17.14	17.67	18.40	19.07	19.80	20.20	21.01
Financial activities	9.99	10.42	10.86	11.36	11.82	12.28	12.71	13.22	13.93	14.47	14.98	15.59	16.17	17.13
Professional and business services	11.14	11.50	11.78	11.96	12.15	12.53	13.00	13.57	14.27	14.85	15.52	16.33	16.81	17.20
Educational and health services	10.00	10.49	10.87	11.21	11.50	11.80	12.17	12.56	13.00	13.44	13.95	14.64	15.21	15.64
Leisure and hospitality	5.88	6.06	6.20	6.32	6.46	6.62	6.82	7.13	7.48	7.76	8.11	8.35	8.58	8.76
Other services	9.08	9.39	9.66	9.90	10.18	10.51	10.85	11.29	11.79	12.26	12.73	13.27	13.72	13.84

Table 2-22. Average Hourly Earnings of Production or Nonsupervisory Workers on Private Nonfarm Payrolls by Industry, Old Series, 1947-1989

(Dollars.)

Year	Total private	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
				Total	Durable goods	Nondurable goods					
1947	1.13	1.47	1.54	1.22	1.28	1.15	...	1.22	0.84	1.14	...
1948	1.23	1.66	1.71	1.33	1.39	1.25	...	1.31	0.90	1.20	...
1949	1.28	1.72	1.79	1.38	1.45	1.30	...	1.36	0.95	1.26	...
1950	1.34	1.77	1.86	1.44	1.45	1.30	...	1.36	0.98	1.26	...
1951	1.45	1.93	2.02	1.56	1.65	1.45	...	1.52	1.06	1.45	...
1952	1.52	2.01	2.13	1.64	1.74	1.51	...	1.61	1.09	1.51	...
1953	1.61	2.14	2.28	1.74	1.85	1.58	...	1.69	1.16	1.58	...
1954	1.65	2.14	2.38	1.78	1.89	1.62	...	1.76	1.20	1.65	...
1955	1.71	2.20	2.45	1.85	1.98	1.68	...	1.83	1.25	1.70	...
1956	1.80	2.33	2.57	1.95	2.08	1.77	...	1.93	1.30	1.78	...
1957	1.89	2.45	2.71	2.04	2.18	1.85	...	2.02	1.37	1.84	...
1958	1.95	2.47	2.82	2.10	2.25	1.92	...	2.09	1.42	1.89	...
1959	2.02	2.56	2.93	2.19	2.35	1.98	...	2.18	1.47	1.95	...
1960	2.09	2.60	3.07	2.26	2.42	2.05	...	2.24	1.52	2.02	...
1961	2.14	2.64	3.20	2.32	2.48	2.11	...	2.31	1.56	2.09	...
1962	2.22	2.70	3.31	2.39	2.55	2.17	...	2.37	1.63	2.17	...
1963	2.28	2.75	3.41	2.45	2.63	2.22	...	2.45	1.68	2.25	...
1964	2.36	2.81	3.55	2.53	2.70	2.29	2.89	2.52	1.75	2.30	1.94
1965	2.46	2.92	3.70	2.61	2.78	2.36	3.03	2.60	1.82	2.39	2.05
1966	2.56	3.05	3.89	2.71	2.89	2.45	3.11	2.73	1.91	2.47	2.17
1967	2.68	3.19	4.11	2.82	2.99	2.57	3.23	2.87	2.01	2.58	2.29
1968	2.85	3.35	4.41	3.01	3.18	2.74	3.42	3.04	2.16	2.75	2.42
1969	3.04	3.60	4.79	3.19	3.38	2.91	3.63	3.23	2.30	2.93	2.61
1970	3.23	3.85	5.24	3.35	3.55	3.08	3.85	3.43	2.44	3.07	2.81
1971	3.45	4.06	5.69	3.57	3.79	3.27	4.21	3.64	2.60	3.22	3.04
1972	3.70	4.44	6.06	3.82	4.07	3.48	4.65	3.85	2.75	3.36	3.27
1973	3.94	4.75	6.41	4.09	4.35	3.70	5.02	4.07	2.91	3.53	3.47
1974	4.24	5.23	6.81	4.42	4.70	4.01	5.41	4.38	3.14	3.77	3.75
1975	4.53	5.95	7.31	4.83	5.15	4.37	5.88	4.72	3.36	4.06	4.02
1976	4.86	6.46	7.71	5.22	5.57	4.71	6.45	5.02	3.57	4.27	4.31
1977	5.25	6.94	8.10	5.68	6.06	5.11	6.99	5.39	3.85	4.54	4.65
1978	5.69	7.67	8.66	6.17	6.58	5.54	7.57	5.88	4.20	4.89	4.99
1979	6.16	8.49	9.27	6.70	7.12	6.01	8.16	6.39	4.53	5.27	5.36
1980	6.66	9.17	9.94	7.27	7.75	6.56	8.87	6.95	4.88	5.79	5.85
1981	7.25	10.04	10.82	7.99	8.53	7.19	9.70	7.55	5.25	6.31	6.41
1982	7.68	10.77	11.63	8.49	9.03	7.75	10.32	8.08	5.48	6.78	6.92
1983	8.02	11.28	11.94	8.83	9.38	8.09	10.79	8.54	5.74	7.29	7.31
1984	8.32	11.63	12.13	9.19	9.73	8.39	11.12	8.88	5.85	7.63	7.59
1985	8.57	11.98	12.32	9.54	10.09	8.72	11.40	9.15	5.94	7.94	7.90
1986	8.76	12.46	12.48	9.73	10.28	8.95	11.70	9.34	6.03	8.36	8.18
1987	8.98	12.54	12.71	9.91	10.43	9.19	12.03	9.59	6.12	8.73	8.49
1988	9.28	12.80	13.08	10.19	10.71	9.45	12.24	9.98	6.31	9.06	8.88
1989	9.66	13.26	13.54	10.48	11.01	9.75	12.57	10.39	6.53	9.53	9.38

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-23. Average Hourly Earnings of Production Workers on Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

(Dollars.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
DURABLE GOODS														
TOTAL	11.40	11.81	12.09	12.41	12.78	13.05	13.45	13.83	14.07	14.46	14.93	15.38	16.02	16.46
Wood products	8.82	9.03	9.24	9.41	9.66	9.92	10.24	10.53	10.85	11.18	11.63	11.99	12.33	12.71
Nonmetallic mineral products	11.11	11.34	11.57	11.83	12.11	12.39	12.80	13.17	13.59	13.97	14.53	14.86	15.40	15.77
Primary metals	12.97	13.37	13.72	14.08	14.47	14.75	15.12	15.40	15.66	16.00	16.64	17.06	17.68	18.13
Fabricated metal products	10.64	10.97	11.16	11.40	11.64	11.91	12.26	12.64	12.97	13.34	13.77	14.19	14.68	15.01
Machinery	11.73	12.12	12.40	12.73	12.94	13.14	13.49	13.94	14.24	14.77	15.22	15.49	15.92	16.30
Computer and electronic products	10.89	11.35	11.64	11.95	12.19	12.29	12.75	13.24	13.85	14.37	14.73	15.42	16.20	16.68
Electrical equipment and appliances	10.00	10.30	10.50	10.65	10.94	11.25	11.80	12.24	12.51	12.90	13.23	13.78	13.98	14.35
Transportation equipment	14.44	15.12	15.59	16.22	16.94	17.21	17.67	18.00	17.92	18.24	18.89	19.48	20.64	21.25
Furniture and related products	8.52	8.74	9.00	9.24	9.51	9.75	10.08	10.50	10.88	11.27	11.72	12.14	12.61	12.98
Miscellaneous manufacturing	8.87	9.16	9.44	9.65	9.90	10.23	10.60	10.89	11.18	11.56	11.93	12.46	12.91	13.30
NONDURABLE GOODS														
TOTAL	9.87	10.18	10.45	10.70	10.96	11.30	11.68	12.04	12.45	12.85	13.31	13.75	14.15	14.63
Food manufacturing	9.04	9.32	9.59	9.82	10.00	10.27	10.50	10.77	11.09	11.40	11.77	12.18	12.55	12.80
Beverage and tobacco products	13.24	13.65	14.07	14.30	14.97	15.40	15.73	16.00	16.03	16.54	17.40	17.67	17.73	17.96
Textile mills	8.17	8.49	8.82	9.12	9.35	9.63	9.88	10.22	10.58	10.90	11.23	11.40	11.73	12.00
Textile product mills	7.53	7.77	8.03	8.27	8.45	8.76	9.12	9.45	9.75	10.18	10.43	10.60	10.96	11.24
Apparel	6.22	6.43	6.60	6.74	6.95	7.22	7.45	7.76	8.05	8.35	8.60	8.82	9.10	9.56
Leather and allied products	7.18	7.43	7.68	7.88	8.23	8.50	8.94	9.31	9.68	9.93	10.35	10.69	11.00	11.67
Paper and paper products	12.06	12.45	12.78	13.13	13.49	13.94	14.38	14.76	15.20	15.58	15.91	16.38	16.85	17.32
Printing and related support	11.11	11.32	11.53	11.67	11.89	12.08	12.41	12.78	13.20	13.67	14.09	14.48	14.93	15.37
Petroleum and coal products	17.00	17.90	18.83	19.43	19.96	20.24	20.18	21.10	21.75	22.22	22.80	22.90	23.04	23.64
Chemicals	12.85	13.30	13.70	13.97	14.33	14.86	15.37	15.78	16.23	16.40	17.09	17.57	17.97	18.52
Plastics and rubber products	9.76	10.07	10.35	10.55	10.66	10.86	11.17	11.48	11.79	12.25	12.69	13.21	13.55	14.18

Table 2-24. Average Hourly Earnings of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947-1989

(Dollars.)

Year	Durable goods												
	Total	Lumber and wood products	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries		Fabricated metal products	Industrial machinery and equipment	Electronic and other electrical equipment	Transportation equipment		Instruments and related products	Miscellaneous manufacturing
					Total	Blast furnaces and basic steel products				Total	Motor vehicles and equipment		
1947	1.28	1.09	1.10	1.19	1.39	1.44	1.27	1.34	...	1.44	1.47	...	1.11
1948	1.39	1.19	1.19	1.31	1.52	1.59	1.39	1.46	...	1.57	1.61	...	1.18
1949	1.45	1.23	1.23	1.37	1.59	1.65	1.45	1.52	...	1.64	1.70	...	1.22
1950	1.45	1.30	1.28	1.44	1.65	1.70	1.52	1.60	...	1.72	1.78	...	1.28
1951	1.65	1.41	1.39	1.54	1.81	1.90	1.64	1.75	...	1.84	1.91	...	1.36
1952	1.74	1.49	1.47	1.61	1.90	2.00	1.72	1.85	...	1.95	2.05	...	1.45
1953	1.85	1.56	1.54	1.72	2.06	2.18	1.83	1.95	...	2.05	2.14	...	1.52
1954	1.89	1.57	1.57	1.77	2.10	2.22	1.88	2.00	...	2.11	2.20	...	1.56
1955	1.98	1.62	1.62	1.86	2.24	2.39	1.96	2.08	...	2.21	2.29	...	1.61
1956	2.08	1.69	1.69	1.96	2.37	2.54	2.05	2.20	...	2.29	2.35	...	1.69
1957	2.18	1.74	1.75	2.05	2.50	2.70	2.16	2.29	...	2.39	2.46	...	1.75
1958	2.25	1.80	1.78	2.12	2.64	2.88	2.26	2.37	...	2.51	2.55	...	1.79
1959	2.35	1.87	1.83	2.22	2.77	3.06	2.35	2.48	...	2.64	2.71	...	1.84
1960	2.42	1.90	1.88	2.28	2.81	3.04	2.43	2.55	...	2.74	2.81	...	1.89
1961	2.48	1.95	1.91	2.34	2.90	3.16	2.49	2.62	...	2.80	2.86	...	1.92
1962	2.55	1.99	1.95	2.41	2.98	3.25	2.55	2.71	...	2.91	2.99	...	1.98
1963	2.63	2.05	2.00	2.48	3.04	3.31	2.61	2.78	...	3.01	3.10	...	2.03
1964	2.70	2.12	2.05	2.53	3.11	3.36	2.68	2.87	...	3.09	3.21	...	2.08
1965	2.78	2.18	2.12	2.62	3.18	3.42	2.76	2.95	...	3.21	3.34	...	2.14
1966	2.89	2.26	2.21	2.72	3.28	3.53	2.88	3.08	...	3.33	3.44	...	2.22
1967	2.99	2.38	2.33	2.82	3.34	3.57	2.98	3.19	...	3.44	3.55	...	2.35
1968	3.18	2.58	2.47	2.99	3.55	3.76	3.16	3.36	...	3.69	3.89	...	2.50
1969	3.38	2.75	2.62	3.19	3.79	4.02	3.34	3.58	...	3.89	4.10	...	2.66
1970	3.55	2.97	2.77	3.40	3.93	4.16	3.53	3.77	...	4.06	4.22	...	2.83
1971	3.79	3.18	2.90	3.67	4.23	4.49	3.77	4.02	...	4.45	4.72	...	2.97
1972	4.07	3.34	3.08	3.94	4.66	5.08	4.05	4.32	...	4.81	5.13	...	3.11
1973	4.35	3.62	3.29	4.22	5.04	5.51	4.29	4.60	...	5.15	5.46	...	3.29
1974	4.70	3.90	3.53	4.54	5.60	6.27	4.61	4.94	...	5.54	5.87	...	3.53
1975	5.15	4.28	3.78	4.92	6.18	6.94	5.05	5.37	...	6.07	6.44	...	3.81
1976	5.57	4.74	3.99	5.33	6.77	7.59	5.50	5.79	...	6.62	7.09	...	4.04
1977	6.06	5.11	4.34	5.81	7.40	8.36	5.91	6.26	...	7.29	7.85	...	4.36
1978	6.58	5.62	4.68	6.32	8.20	9.39	6.35	6.78	...	7.91	8.50	...	4.69
1979	7.12	6.08	5.06	6.85	8.98	10.41	6.85	7.32	...	8.53	9.06	...	5.03
1980	7.75	6.57	5.49	7.50	9.77	11.39	7.45	8.00	...	9.35	9.85	...	5.46
1981	8.53	7.02	5.91	8.27	10.81	12.60	8.20	8.81	...	10.39	11.02	...	5.97
1982	9.03	7.46	6.31	8.87	11.33	13.35	8.77	9.26	...	11.11	11.62	...	6.42
1983	9.38	7.82	6.62	9.27	11.35	12.89	9.12	9.56	...	11.67	12.14	...	6.81
1984	9.73	8.05	6.84	9.57	11.47	12.98	9.40	9.97	...	12.20	12.73	...	7.05
1985	10.09	8.25	7.17	9.84	11.67	13.33	9.71	10.30	...	12.71	13.39	...	7.30
1986	10.28	8.37	7.46	10.04	11.86	13.73	9.89	10.58	...	12.81	13.45	...	7.55
1987	10.43	8.43	7.67	10.25	11.94	13.77	10.01	10.73	...	12.94	13.53	...	7.76
1988	10.71	8.59	7.95	10.56	12.16	13.98	10.29	11.08	9.79	13.29	13.99	10.60	8.00
1989	11.01	8.84	8.25	10.82	12.43	14.25	10.57	11.40	10.05	13.67	14.25	10.83	8.29

... = Not available.

Table 2-24. Average Hourly Earnings of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947–1989—Continued

(Dollars.)

Year	Nondurable goods										
	Total	Food and kindred products	Tobacco products	Textile mill products	Apparel and other textile products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Rubber and miscellaneous plastics products	Leather and leather products
1947	1.15	1.06	0.90	1.04	1.16	1.15	1.48	1.22	1.50	1.29	1.04
1948	1.25	1.15	0.96	1.16	1.22	1.28	1.65	1.34	1.71	1.36	1.11
1949	1.30	1.21	1.00	1.18	1.21	1.33	1.77	1.42	1.80	1.41	1.12
1950	1.30	1.26	1.08	1.23	1.24	1.40	1.83	1.50	1.84	1.47	1.17
1951	1.45	1.35	1.14	1.32	1.31	1.51	1.91	1.62	1.99	1.58	1.25
1952	1.51	1.44	1.18	1.34	1.32	1.59	2.02	1.69	2.10	1.70	1.30
1953	1.58	1.53	1.25	1.36	1.35	1.67	2.11	1.81	2.22	1.79	1.35
1954	1.62	1.59	1.30	1.36	1.37	1.73	2.18	1.89	2.29	1.83	1.36
1955	1.68	1.66	1.34	1.38	1.37	1.81	2.26	1.97	2.37	1.95	1.39
1956	1.77	1.76	1.45	1.44	1.47	1.92	2.33	2.09	2.54	2.02	1.48
1957	1.85	1.85	1.53	1.49	1.51	2.02	2.40	2.20	2.66	2.11	1.52
1958	1.92	1.94	1.59	1.49	1.54	2.10	2.49	2.29	2.73	2.18	1.56
1959	1.98	2.02	1.65	1.56	1.56	2.18	2.59	2.40	2.85	2.27	1.59
1960	2.05	2.11	1.70	1.61	1.59	2.26	2.68	2.50	2.89	2.32	1.64
1961	2.11	2.17	1.78	1.63	1.64	2.34	2.75	2.58	3.01	2.38	1.68
1962	2.17	2.24	1.85	1.68	1.69	2.40	2.82	2.65	3.05	2.44	1.72
1963	2.22	2.30	1.91	1.71	1.73	2.48	2.89	2.72	3.16	2.47	1.76
1964	2.29	2.37	1.95	1.79	1.79	2.56	2.97	2.80	3.20	2.54	1.83
1965	2.36	2.44	2.09	1.87	1.83	2.65	3.06	2.89	3.28	2.61	1.88
1966	2.45	2.52	2.19	1.96	1.89	2.75	3.16	2.98	3.41	2.68	1.94
1967	2.57	2.64	2.27	2.06	2.03	2.87	3.28	3.10	3.58	2.75	2.07
1968	2.74	2.80	2.48	2.21	2.21	3.05	3.48	3.26	3.75	2.93	2.23
1969	2.91	2.96	2.62	2.35	2.31	3.24	3.69	3.47	4.00	3.08	2.36
1970	3.08	3.16	2.91	2.45	2.39	3.44	3.92	3.69	4.28	3.21	2.49
1971	3.27	3.38	3.16	2.57	2.49	3.67	4.20	3.97	4.57	3.41	2.59
1972	3.48	3.60	3.47	2.75	2.60	3.95	4.51	4.26	4.96	3.63	2.68
1973	3.70	3.85	3.76	2.95	2.76	4.20	4.75	4.51	5.28	3.84	2.79
1974	4.01	4.19	4.12	3.20	2.97	4.53	5.03	4.88	5.68	4.09	2.99
1975	4.37	4.61	4.55	3.42	3.17	5.01	5.38	5.39	6.48	4.42	3.21
1976	4.71	4.98	4.98	3.69	3.40	5.47	5.71	5.91	7.21	4.71	3.40
1977	5.11	5.37	5.54	3.99	3.62	5.96	6.12	6.43	7.83	5.21	3.61
1978	5.54	5.80	6.13	4.30	3.94	6.52	6.51	7.02	8.63	5.57	3.89
1979	6.01	6.27	6.67	4.66	4.23	7.13	6.94	7.60	9.36	6.02	4.22
1980	6.56	6.85	7.74	5.07	4.56	7.84	7.53	8.30	10.10	6.58	4.58
1981	7.19	7.44	8.88	5.52	4.97	8.60	8.19	9.12	11.38	7.22	4.99
1982	7.75	7.92	9.79	5.83	5.20	9.32	8.74	9.96	12.46	7.70	5.33
1983	8.09	8.19	10.38	6.18	5.38	9.93	9.11	10.58	13.28	8.06	5.54
1984	8.39	8.39	11.22	6.46	5.55	10.41	9.41	11.07	13.44	8.35	5.71
1985	8.72	8.57	11.96	6.70	5.73	10.83	9.71	11.56	14.06	8.60	5.83
1986	8.95	8.75	12.88	6.93	5.84	11.18	9.99	11.98	14.19	8.79	5.92
1987	9.19	8.93	14.07	7.17	5.94	11.43	10.28	12.37	14.58	8.98	6.08
1988	9.45	9.12	14.67	7.38	6.12	11.69	10.53	12.71	14.97	9.19	6.28
1989	9.75	9.38	15.31	7.67	6.35	11.96	10.88	13.09	15.41	9.46	6.59

Note: Data include Alaska and Hawaii beginning in 1959.

Table 2-25. Average Weekly Earnings of Production or Nonsupervisory Workers on Nonfarm Payrolls by Industry in Current and Constant Dollars, NAICS Basis, 1990–2003

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL PRIVATE														
Current dollars	349.29	358.06	367.83	378.40	390.73	399.53	412.74	431.25	448.04	462.49	480.41	493.20	506.07	517.36
1982 dollars	262.43	258.34	257.95	258.12	259.97	258.43	259.58	265.22	271.87	274.64	275.62	275.38	278.83	278.75
Goods-producing														
Current dollars	459.55	471.32	482.58	498.82	519.58	528.62	546.48	568.43	580.99	599.99	621.86	630.04	651.61	669.23
1982 dollars	345.27	340.06	338.42	340.26	345.70	341.93	343.70	349.59	352.54	356.29	356.78	351.78	359.01	360.58
Natural resources and mining														
Current dollars	602.54	625.42	629.02	634.77	653.14	670.32	695.07	720.11	727.28	721.74	734.92	757.92	741.97	766.83
1982 dollars	452.70	451.24	441.11	432.99	434.56	433.58	437.15	442.87	441.31	428.59	421.64	423.18	408.80	413.16
Construction														
Current dollars	513.43	520.41	525.13	539.81	558.53	571.57	588.48	609.48	629.75	655.11	685.78	695.89	711.82	727.11
1982 dollars	385.75	375.48	368.25	368.22	371.61	369.71	370.11	374.83	382.13	389.02	393.45	388.55	392.19	391.76
Manufacturing														
Current dollars	436.16	449.73	464.43	480.80	502.12	509.26	526.55	548.22	557.12	573.17	590.65	595.19	618.75	636.07
1982 dollars	327.69	324.48	325.69	327.97	334.08	329.40	331.16	337.16	338.06	340.36	338.87	332.32	340.91	342.71
Private service-providing														
Current dollars	315.49	325.31	335.46	345.03	354.97	364.14	376.72	394.77	412.78	427.30	445.00	460.32	472.88	484.00
1982 dollars	237.03	234.71	235.25	235.35	236.17	235.54	236.93	242.79	250.47	253.74	255.31	257.02	260.54	260.78
Trade, transportation, and utilities														
Current dollars	331.55	339.19	348.68	359.33	370.38	378.79	390.64	407.57	423.30	434.31	449.88	459.53	471.27	481.10
1982 dollars	249.10	244.73	244.52	245.11	246.43	245.01	245.69	250.66	256.86	257.90	258.11	256.58	259.65	259.21
Wholesale trade														
Current dollars	444.48	459.27	470.51	484.46	501.17	515.14	533.29	559.39	582.21	602.77	631.40	643.45	644.38	657.12
1982 dollars	333.94	331.36	329.95	330.46	333.45	333.21	335.40	344.03	353.28	357.94	362.25	359.27	355.03	354.05
Retail trade														
Current dollars	235.62	240.15	249.63	256.89	265.77	272.56	282.76	295.97	310.34	321.63	333.38	346.16	360.81	367.28
1982 dollars	177.02	173.27	175.06	175.23	176.83	176.30	177.84	182.02	188.31	190.99	191.27	193.28	198.79	197.89
Transportation and warehousing														
Current dollars	471.72	471.12	478.02	494.36	507.27	513.37	525.60	542.55	546.86	547.97	562.31	562.70	579.75	597.79
1982 dollars	354.41	339.91	335.22	337.22	337.50	332.06	330.57	333.67	331.83	325.40	322.61	314.18	319.42	322.09
Utilities														
Current dollars	670.40	693.40	716.36	756.35	789.98	811.52	830.74	865.26	902.94	924.59	955.66	977.18	979.09	1 016.94
1982 dollars	503.68	500.29	502.36	515.93	525.60	524.92	522.48	532.14	547.90	549.04	548.28	545.61	539.44	547.92
Information														
Current dollars	479.50	495.20	512.01	535.25	551.28	564.98	592.68	622.40	646.52	675.32	700.89	731.11	738.17	761.13
1982 dollars	360.26	357.29	359.05	365.11	366.79	365.45	372.75	382.78	392.31	401.02	402.12	408.21	406.71	410.09
Financial activities														
Current dollars	354.65	369.57	386.01	403.02	419.20	436.12	451.49	472.37	500.95	517.57	537.37	558.02	575.51	608.87
1982 dollars	266.45	266.65	270.69	274.91	278.91	282.10	283.96	290.51	303.97	307.35	308.30	311.57	317.09	328.05
Professional and business services														
Current dollars	380.61	391.09	400.64	406.20	414.16	426.44	442.81	465.51	490.00	510.99	535.07	557.84	574.66	586.68
1982 dollars	285.96	282.17	280.95	277.08	275.56	275.83	278.50	286.29	297.33	303.44	306.98	311.47	316.62	316.10
Educational health services														
Current dollars	319.27	334.55	348.29	359.08	368.14	377.73	388.27	404.65	418.82	431.35	449.29	473.39	492.74	505.76
1982 dollars	239.87	241.38	244.24	244.94	244.94	244.33	244.19	248.86	254.14	256.15	257.77	264.32	271.48	272.50
Leisure and hospitality														
Current dollars	152.47	155.16	159.54	163.45	168.00	171.43	176.48	185.81	195.82	202.87	211.79	215.19	221.26	224.35
1982 dollars	114.55	111.95	111.88	111.49	111.78	110.89	110.99	114.27	118.82	120.47	121.51	120.15	121.91	120.88
Other services														
Current dollars	297.91	306.91	315.08	322.69	332.44	342.36	352.62	368.63	384.25	398.77	413.41	428.64	439.76	434.49
1982 dollars	223.82	221.44	220.95	220.12	221.18	221.45	221.77	226.71	233.16	236.80	237.18	239.33	242.29	234.10

Table 2-26. Average Weekly Earnings of Production or Nonsupervisory Workers on Nonfarm Payrolls by Industry in Current and Constant Dollars, SIC Basis, 1947–1989

Year	Total private		Mining		Construction		Manufacturing		Transportation and public utilities	
	Current dollars	1982 dollars	Current dollars	1982 dollars	Current dollars	1982 dollars	Current dollars	1982 dollars	Current dollars	1982 dollars
1947	45.58	196.47	59.89	258.15	58.83	253.58	49.13	211.77	...	...
1948	49.00	196.00	65.52	262.08	65.23	260.92	53.08	212.32	...	...
1949	50.24	202.58	62.33	251.33	67.56	272.42	53.80	216.94	...	...
1950	53.13	212.52	67.16	268.64	69.68	278.72	58.28	233.12	...	...
1951	57.86	215.09	74.11	275.50	76.96	286.10	63.34	235.46	...	...
1952	60.65	219.75	77.59	281.12	82.86	300.22	66.75	241.85	...	...
1953	63.76	229.35	83.03	298.67	86.41	310.83	70.47	253.49	...	...
1954	64.52	231.25	82.60	296.06	88.54	317.35	70.49	252.65	...	...
1955	67.72	243.60	89.54	322.09	90.90	326.98	75.30	270.86	...	...
1956	70.74	250.85	95.06	337.09	96.38	341.77	78.78	279.36	...	...
1957	73.33	251.13	98.25	336.47	100.27	343.39	81.19	278.05	...	...
1958	75.08	250.27	96.08	320.27	103.78	345.93	82.32	274.40	...	...
1959	78.78	260.86	103.68	343.31	108.41	358.97	88.26	292.25	...	...
1960	80.67	261.92	105.04	341.04	112.67	365.81	89.72	291.30	...	...
1961	82.60	265.59	106.92	343.79	118.08	379.68	92.34	296.91	...	...
1962	85.91	273.60	110.70	352.55	122.47	390.03	96.56	307.52	...	...
1963	88.46	278.18	114.40	359.75	127.19	399.97	99.23	312.04	...	...
1964	91.33	283.63	117.74	365.65	132.06	410.12	102.97	319.78	118.78	368.88
1965	95.45	291.90	123.52	377.74	138.38	423.18	107.53	328.84	125.14	382.69
1966	98.82	294.11	130.24	387.62	146.26	435.30	112.19	333.90	128.13	381.34
1967	101.84	293.49	135.89	391.61	154.95	446.54	114.49	329.94	130.82	377.00
1968	107.73	298.42	142.71	395.32	164.49	455.65	122.51	339.36	138.85	384.63
1969	114.61	300.81	154.80	406.30	181.54	476.48	129.51	339.92	147.74	387.77
1970	119.83	298.08	164.40	408.96	195.45	486.19	133.33	331.67	155.93	387.89
1971	127.31	303.12	172.14	409.86	211.67	503.98	142.44	339.14	168.82	401.95
1972	136.90	315.44	189.14	435.81	221.19	509.65	154.71	356.47	187.86	432.86
1973	145.39	315.38	201.40	436.88	235.89	511.69	166.46	361.08	203.31	441.02
1974	154.76	302.27	219.14	428.01	249.25	486.82	176.80	345.31	217.48	424.77
1975	163.53	293.06	249.31	446.79	266.08	476.85	190.79	341.92	233.44	418.35
1976	175.45	297.37	273.90	464.24	283.73	480.90	209.32	354.78	256.71	435.10
1977	189.00	300.96	301.20	479.62	295.65	470.78	228.90	364.49	278.90	444.11
1978	203.70	300.89	332.88	491.70	318.69	470.74	249.27	368.20	302.80	447.27
1979	219.91	291.66	365.07	484.18	342.99	454.89	269.34	357.21	325.58	431.80
1980	235.10	274.65	397.06	463.86	367.78	429.65	288.62	337.17	351.25	410.34
1981	255.20	270.63	438.75	465.27	399.26	423.39	318.00	337.22	382.18	405.28
1982	267.26	267.26	459.88	459.88	426.82	426.82	330.26	330.26	402.48	402.48
1983	280.70	272.52	479.40	465.44	442.97	430.07	354.08	343.77	420.81	408.55
1984	292.86	274.73	503.58	472.40	458.51	430.12	374.03	350.87	438.13	411.00
1985	299.09	271.16	519.93	471.38	464.46	421.09	386.37	350.29	450.30	408.25
1986	304.85	271.94	525.81	469.05	466.75	416.37	396.01	353.26	458.64	409.13
1987	312.50	269.16	531.70	457.97	480.44	413.82	406.31	349.97	471.58	406.18
1988	322.02	266.79	541.44	448.58	495.73	410.71	418.81	346.98	467.57	387.38
1989	334.24	264.22	570.18	450.74	513.17	405.67	429.68	339.67	481.43	380.58

... = Not available.

Table 2-26. Average Weekly Earnings of Production or Nonsupervisory Workers on Nonfarm Payrolls by Industry in Current and Constant Dollars, SIC Basis, 1947–1989—Continued

Year	Wholesale trade		Retail trade		Finance, insurance, and real estate		Services	
	Current dollars	1982 dollars	Current dollars	1982 dollars	Current dollars	1982 dollars	Current dollars	1982 dollars
1947	50.06	215.95	33.77	145.56	43.21	186.25	...	...
1948	53.59	214.12	36.22	144.88	45.48	181.92	...	...
1949	55.45	223.59	38.42	154.92	47.63	192.06	...	...
1950	55.31	232.40	39.71	158.84	47.50	202.08	...	...
1951	62.02	230.93	42.82	159.18	54.67	203.20	...	...
1952	65.53	237.17	43.38	157.17	57.08	206.81	...	...
1953	68.61	246.94	45.36	163.17	59.57	214.28	...	...
1954	71.28	255.02	47.04	168.60	62.04	222.37	...	...
1955	74.48	268.02	48.75	175.36	63.92	229.93	...	...
1956	78.17	277.77	50.18	177.94	65.68	232.91	...	...
1957	81.41	278.73	52.20	178.77	67.53	231.27	...	...
1958	84.02	280.47	54.10	180.33	70.12	233.73	...	...
1959	88.51	292.78	56.15	185.93	72.74	240.83	...	...
1960	90.72	293.93	57.76	187.53	75.14	243.96	...	...
1961	93.56	299.87	58.66	188.62	77.12	247.97	...	...
1962	96.22	306.43	60.96	194.14	80.94	257.77	...	...
1963	99.47	312.61	62.66	197.04	84.38	265.35	...	...
1964	102.56	317.89	64.75	201.27	85.79	266.37	70.03	217.55
1965	106.08	324.98	66.61	203.82	88.91	271.71	73.60	225.08
1966	111.11	330.60	68.57	203.87	92.13	274.43	77.04	228.93
1967	115.66	333.86	70.95	204.21	95.72	275.79	80.38	231.41
1968	121.90	337.65	74.95	207.56	101.75	281.72	83.97	232.91
1969	129.85	340.52	78.66	206.48	108.70	284.93	90.57	237.85
1970	136.86	340.57	82.47	204.75	112.67	280.57	96.66	240.10
1971	143.42	342.10	87.62	208.36	117.85	281.00	103.06	245.33
1972	151.69	348.89	91.85	212.05	122.98	283.27	110.85	254.88
1973	159.54	346.51	96.32	209.22	129.20	280.56	117.29	254.86
1974	169.94	332.25	102.68	200.29	137.61	268.91	126.00	246.52
1975	182.19	326.92	108.86	194.68	148.19	265.04	134.67	241.45
1976	194.27	329.07	114.60	194.17	155.43	263.58	143.52	243.27
1977	209.13	332.42	121.66	193.54	165.26	263.41	153.45	244.57
1978	228.14	336.59	130.20	192.23	178.00	262.97	163.67	242.08
1979	247.93	328.45	138.62	184.12	190.77	253.21	175.27	232.57
1980	266.88	312.07	147.38	172.01	209.60	244.95	190.71	223.11
1981	290.68	308.25	158.03	167.58	229.05	242.90	208.97	221.60
1982	309.46	309.46	163.85	163.85	245.44	245.44	225.59	225.59
1983	328.79	319.21	171.05	166.07	263.90	256.21	239.04	232.08
1984	341.88	320.71	174.33	163.54	278.50	261.26	247.43	232.11
1985	351.36	318.55	174.64	158.33	289.02	262.03	256.75	232.77
1986	357.72	319.11	176.08	157.07	304.30	271.45	265.85	237.15
1987	365.38	314.71	178.70	153.92	316.90	272.95	275.93	237.67
1988	380.24	315.03	183.62	152.13	325.25	269.47	289.49	239.84
1989	394.82	312.11	188.72	149.19	341.17	269.70	305.79	241.73

Note: Data include Alaska and Hawaii beginning in 1959.

... = Not available.

Table 2-27. Average Weekly Earnings of Production Workers on Manufacturing Payrolls by Industry, NAICS Basis, 1990–2003

(Dollars.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
TOTAL MANUFACTURING	436.16	449.73	464.43	480.80	502.12	509.26	526.55	548.22	557.12	573.17	590.65	595.19	618.75	636.07
DURABLE GOODS														
TOTAL	468.43	483.28	499.59	519.92	544.66	549.49	566.53	589.10	591.68	606.67	624.38	624.54	652.97	671.53
Wood products	356.38	362.69	377.76	387.38	402.86	406.51	422.32	435.78	449.78	461.61	477.23	481.36	492.00	513.92
Nonmetallic mineral products	453.98	459.20	474.55	490.54	510.92	517.68	537.81	552.02	572.96	587.53	604.88	618.79	646.91	665.11
Primary metals	545.22	555.37	581.34	606.37	637.69	639.70	658.68	681.47	681.64	700.76	734.62	723.95	749.32	767.63
Fabricated metal products	436.12	447.98	459.64	474.21	492.07	498.48	513.57	534.48	543.20	555.86	576.68	576.60	596.38	610.33
Machinery	493.39	507.96	525.53	549.98	568.12	571.25	584.69	613.49	613.87	625.40	643.92	632.77	645.55	664.79
Computer and electronic products	450.09	464.25	482.09	499.15	514.92	518.25	534.42	562.69	579.70	596.25	609.70	613.07	642.87	674.68
Electrical equipment and appliances	412.42	426.96	439.04	451.28	470.21	471.63	496.69	515.73	522.51	538.98	550.56	548.00	560.24	582.68
Transportation equipment	606.87	633.87	652.95	697.16	750.67	751.74	773.95	795.82	774.82	796.25	817.98	817.08	877.87	890.32
Furniture and related products	324.08	330.49	348.03	360.63	373.87	375.06	385.68	410.38	428.50	443.38	459.69	464.57	494.01	505.23
Miscellaneous manufacturing	346.02	358.56	370.75	378.28	389.79	400.85	414.13	431.89	437.99	454.56	465.02	483.44	499.13	510.69
NONDURABLE GOODS														
TOTAL	390.65	404.17	417.95	429.15	443.82	452.83	467.88	487.04	503.99	519.91	536.82	548.41	566.84	582.65
Food manufacturing	355.61	364.90	375.69	386.04	398.54	406.66	414.74	428.58	444.81	458.63	472.09	481.67	496.91	502.65
Beverage and tobacco products	515.73	530.09	544.25	547.60	588.39	605.00	624.82	639.69	646.26	679.06	730.35	721.68	698.39	702.75
Textile mills	328.11	345.48	364.45	379.74	391.64	394.17	403.08	425.53	434.15	447.38	464.51	456.64	476.52	469.47
Textile product mills	293.77	303.81	314.47	329.26	336.96	342.17	356.90	373.95	385.13	401.01	406.24	408.56	429.01	445.08
Apparel	216.10	227.76	235.20	239.45	248.33	254.85	261.90	275.61	286.07	295.20	307.00	317.15	333.66	340.22
Leather and allied products	268.32	279.41	291.11	302.85	314.18	319.98	337.86	355.63	361.87	369.80	388.46	388.83	412.99	458.26
Paper and paper products	525.71	542.26	560.27	575.49	596.19	604.74	625.38	647.55	662.20	679.24	681.34	690.06	705.62	719.21
Printing and related support	429.93	437.00	450.02	457.91	470.74	472.37	484.99	504.46	518.32	534.15	552.15	560.89	573.05	587.42
Petroleum and coal products	754.13	786.05	821.72	855.36	883.81	883.68	881.24	908.50	949.28	947.60	973.53	1003.34	990.88	1052.97
Chemicals	550.25	573.27	593.17	603.71	622.46	644.30	666.00	685.26	700.53	700.45	721.90	735.54	759.53	784.56
Plastics and rubber products	647.70	624.80	639.80	664.70	699.60	719.80	721.30	732.70	740.40	747.00	753.60	705.30	662.70	634.70

Table 2-28. Average Weekly Earnings of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947-1989

(Dollars.)

Year	Total manufacturing	Durable goods													
		Total	Lumber and wood products	Furniture and fixtures	Stone, clay, and glass products	Primary metal industries		Blast furnaces and basic steel products	Fabricated metal products	Industrial machinery and equipment	Electronic and other electrical equipment	Transportation equipment		Instruments and related products	Miscellaneous manufacturing industries
						Total	Blast furnaces and basic steel products					Total	Motor vehicles and equipment		
1947	49.13	51.64	43.93	45.53	48.95	55.38	56.51	56.51	51.74	55.78	...	56.97	58.63	...	44.75
1948	53.08	56.24	47.64	48.83	53.20	61.14	62.84	62.84	56.37	60.38	...	61.70	63.15	...	48.03
1949	53.80	57.13	48.10	49.36	54.27	60.90	63.34	63.34	57.45	60.27	...	65.10	67.33	...	48.23
1950	58.28	59.60	51.31	53.55	59.06	67.36	67.95	67.95	63.04	67.04	...	71.29	74.85	...	52.02
1951	63.34	68.48	55.41	57.13	63.76	75.30	77.71	77.71	68.55	76.13	...	75.81	77.16	...	55.08
1952	66.75	72.04	59.15	60.86	66.17	77.52	80.00	80.00	71.72	79.55	...	81.51	84.87	...	59.02
1953	70.47	76.22	61.31	62.99	70.18	84.46	88.29	88.29	76.49	82.68	...	85.28	89.88	...	61.56
1954	70.49	75.79	61.39	62.80	71.69	81.48	83.92	83.92	76.70	81.40	...	86.30	91.30	...	61.78
1955	75.30	81.77	63.99	67.07	77.00	92.51	96.80	96.80	81.73	87.15	...	93.48	99.84	...	64.88
1956	78.78	85.28	65.74	68.78	80.56	97.17	102.87	102.87	84.67	93.06	...	94.81	96.82	...	67.60
1957	81.19	87.85	66.82	69.83	82.82	99.00	105.57	105.57	88.34	94.12	...	97.51	100.61	...	69.48
1958	82.32	88.88	69.48	69.95	84.80	101.11	108.00	108.00	90.17	94.33	...	100.40	101.24	...	70.17
1959	88.26	95.65	74.24	74.48	91.46	112.19	122.71	122.71	96.12	102.92	...	107.45	111.38	...	73.42
1960	89.72	97.04	74.29	75.20	92.57	109.59	116.13	116.13	98.42	104.55	...	111.52	115.21	...	74.28
1961	92.34	99.70	77.03	76.40	95.24	114.55	122.92	122.92	100.85	107.16	...	113.40	114.69	...	75.84
1962	96.56	104.30	79.20	79.37	98.81	119.80	127.40	127.40	104.81	113.01	...	122.22	127.67	...	78.61
1963	99.23	108.09	82.41	81.80	102.67	124.64	133.06	133.06	107.79	116.20	...	126.42	132.68	...	80.39
1964	102.97	112.05	85.65	84.46	105.50	129.69	138.43	138.43	111.76	121.69	...	130.09	138.03	...	82.37
1965	107.53	116.76	89.16	87.98	110.04	133.88	140.90	140.90	116.20	127.15	...	137.71	147.63	...	85.39
1966	112.19	121.67	92.21	91.72	114.24	138.09	144.73	144.73	122.11	134.90	...	141.86	147.23	...	88.80
1967	114.49	123.19	95.91	94.13	117.31	137.27	143.51	143.51	123.67	135.58	...	142.42	144.84	...	92.59
1968	122.51	131.65	104.75	100.28	124.98	147.68	154.16	154.16	131.77	141.12	...	155.72	167.66	...	98.50
1969	129.51	139.59	110.55	105.85	133.66	158.42	166.03	166.03	138.94	152.15	...	161.44	170.97	...	103.74
1970	133.33	143.07	117.61	108.58	140.08	158.77	166.40	166.40	143.67	154.95	...	163.62	170.07	...	109.52
1971	142.44	152.74	126.56	115.42	152.67	169.62	177.80	177.80	152.31	163.21	...	181.12	194.46	...	115.53
1972	154.71	167.68	134.94	123.82	165.48	192.92	206.25	206.25	166.86	181.87	...	200.58	220.59	...	122.85
1973	166.46	180.09	144.80	131.60	176.82	213.19	229.77	229.77	178.46	196.88	...	216.82	237.51	...	128.31
1974	176.80	190.82	152.88	138.02	187.50	232.96	258.95	258.95	188.09	207.97	...	224.37	238.32	...	136.61
1975	190.79	205.49	166.06	143.64	198.77	247.20	274.13	274.13	202.51	219.10	...	245.23	259.53	...	146.69
1976	209.32	226.14	189.13	154.81	219.06	276.22	305.88	305.88	224.40	238.55	...	276.05	304.16	...	156.75
1977	228.90	248.46	203.89	169.26	239.95	305.62	338.58	338.58	242.31	259.79	...	309.83	345.40	...	169.17
1978	249.27	270.44	223.68	183.92	262.91	342.76	389.69	389.69	260.35	284.76	...	333.80	368.05	...	181.97
1979	269.34	290.50	240.16	195.82	284.28	371.77	428.89	428.89	278.80	305.24	...	350.58	372.37	...	195.16
1980	288.62	310.78	253.60	209.17	306.00	391.78	448.77	448.77	300.98	328.00	...	379.61	394.00	...	211.30
1981	318.00	342.91	271.67	226.94	335.76	437.81	509.04	509.04	330.46	360.33	...	424.95	450.72	...	231.64
1982	330.26	354.88	284.23	234.73	355.69	437.34	505.97	505.97	343.78	367.62	...	449.96	470.61	...	246.53
1983	354.08	381.77	313.58	260.83	384.71	459.68	509.16	509.16	370.27	387.18	...	491.31	525.66	...	266.27
1984	374.03	402.82	321.20	271.55	401.94	478.30	528.29	528.29	389.16	417.74	...	520.94	557.57	...	277.77
1985	386.37	415.71	329.18	282.50	412.30	484.31	547.86	547.86	401.02	427.45	...	541.45	582.47	...	287.62
1986	396.01	424.56	338.15	296.91	423.69	496.93	572.54	572.54	408.46	440.13	...	541.86	572.97	...	298.98
1987	406.31	432.85	342.26	306.80	433.58	514.61	597.62	597.62	416.42	452.81	...	543.48	570.97	...	303.74
1988	418.81	447.68	344.46	313.23	446.69	528.96	615.12	615.12	431.15	473.12	401.39	567.48	608.57	438.84	313.60
1989	429.68	458.02	354.48	325.88	457.69	534.49	618.45	618.45	439.71	483.36	410.04	579.61	614.18	445.11	326.63

... = Not available.

Table 2-28. Average Weekly Earnings of Production Workers on Manufacturing Payrolls by Industry, SIC Basis, 1947-1989—Continued

(Dollars.)

Year	Nondurable goods										
	Total	Food and kindred products	Tobacco products	Textile mill products	Apparel and other textile products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Rubber and miscellaneous plastics products	Leather and leather products
1947	46.03	45.92	35.17	40.99	41.80	49.69	59.30	50.26	60.94	51.60	40.07
1948	49.54	48.84	36.58	45.28	43.68	54.70	65.13	55.29	69.30	53.29	41.11
1949	50.41	50.49	37.26	44.52	42.76	55.42	68.60	57.67	72.42	54.13	41.03
1950	51.45	52.88	41.00	48.59	44.60	60.53	71.23	61.64	75.11	60.27	43.95
1951	57.42	56.84	43.89	51.22	46.64	65.08	74.30	66.91	81.19	64.46	46.13
1952	59.95	60.34	45.31	52.39	47.92	68.05	78.58	69.12	85.05	69.53	49.92
1953	62.57	63.50	47.63	53.18	48.74	71.81	82.29	74.21	90.35	72.32	50.90
1954	63.18	65.67	48.88	52.09	48.36	73.18	83.93	77.11	93.20	72.83	50.18
1955	67.03	68.89	51.86	55.34	49.73	78.01	87.91	80.97	96.93	81.32	52.68
1956	70.09	72.69	56.26	57.17	52.92	82.18	90.64	85.90	104.14	81.61	55.65
1957	72.52	75.48	58.75	57.96	53.91	85.45	92.64	89.98	108.53	85.67	56.85
1958	74.50	79.15	62.17	57.51	54.05	87.99	94.62	93.20	111.66	85.67	57.25
1959	78.61	82.82	64.52	63.02	56.63	93.30	99.72	99.36	117.42	93.75	60.26
1960	80.36	86.09	64.94	63.60	56.45	95.15	102.91	103.25	118.78	92.80	60.52
1961	82.92	88.75	69.42	65.04	58.06	99.45	105.05	106.81	124.01	96.15	62.83
1962	86.15	91.84	71.41	68.21	61.18	102.24	108.01	110.24	126.88	100.04	64.67
1963	87.91	94.30	73.92	69.43	62.45	105.90	110.69	113.15	131.77	101.02	66.00
1964	90.91	97.17	75.66	73.39	64.26	109.57	114.35	116.48	133.76	104.90	69.36
1965	94.64	100.28	79.21	77.98	66.61	114.22	118.12	121.09	138.42	109.62	71.82
1966	98.49	103.82	85.19	82.12	68.80	119.35	122.61	125.16	144.58	112.56	74.88
1967	102.03	107.98	87.62	84.25	73.08	122.84	125.95	128.96	152.87	113.85	79.07
1968	109.05	114.24	93.99	91.05	79.78	130.85	133.28	136.27	159.38	121.60	85.41
1969	115.53	120.77	97.99	95.88	82.93	139.32	141.33	145.05	170.40	126.90	87.79
1970	120.43	127.98	110.00	97.76	84.37	144.14	147.78	153.50	183.18	129.36	92.63
1971	128.51	136.21	119.45	104.34	88.64	154.51	157.50	165.15	195.60	137.76	97.64
1972	138.16	145.80	130.47	113.58	93.60	169.06	170.03	177.64	211.79	149.56	102.64
1973	146.52	155.54	145.14	120.66	99.08	180.18	179.08	188.52	223.87	158.21	105.46
1974	156.79	169.28	157.80	126.40	104.54	191.17	188.63	202.52	239.13	166.05	110.33
1975	169.56	185.78	173.81	134.41	111.58	208.42	198.52	220.99	266.98	176.36	119.09
1976	185.57	201.69	186.75	147.97	121.72	232.48	214.13	245.86	303.54	191.70	127.16
1977	201.33	214.80	209.41	161.20	128.87	255.68	230.72	268.13	334.34	214.13	133.21
1978	218.28	230.26	233.55	173.72	140.26	279.71	244.78	294.14	376.27	227.81	144.32
1979	236.19	250.17	253.46	188.26	149.32	303.74	260.25	318.44	409.97	244.41	154.03
1980	255.84	271.95	294.89	203.31	161.42	330.85	279.36	344.45	422.18	263.20	168.09
1981	281.85	295.37	344.54	218.59	177.43	365.50	305.49	379.39	491.62	290.97	183.13
1982	297.60	312.05	370.06	218.63	180.44	389.58	324.25	407.36	546.99	304.92	189.75
1983	318.75	323.51	388.21	249.67	194.76	423.02	342.54	440.13	582.99	332.07	203.87
1984	333.08	333.92	436.46	257.75	202.02	448.67	356.64	463.83	587.33	348.20	210.13
1985	345.31	342.80	444.91	265.99	208.57	466.77	367.04	484.36	604.58	353.46	216.88
1986	357.11	350.00	481.71	284.82	214.33	482.98	379.62	501.96	621.52	363.91	218.45
1987	369.44	358.99	548.73	299.71	219.78	496.06	390.64	523.25	641.52	373.57	232.26
1988	379.89	367.54	583.87	302.58	226.44	506.18	400.14	536.36	664.67	383.22	235.50
1989	391.95	381.77	590.97	313.70	234.32	517.87	412.35	555.02	682.66	391.64	249.76

Note: Data include Alaska and Hawaii beginning in 1959.

Table 2-29. Employees on Total Nonfarm Payrolls by State, 1965–2003

(Thousands of people.)

State	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
Alabama	886.5	935.6	951.8	970.1	1 000.2	1 010.4	1 021.9	1 072.3	1 135.5	1 169.8	1 155.4	1 207.0	1 269.2
Alaska	70.5	73.1	76.8	79.9	86.8	93.1	97.8	103.5	109.9	127.8	161.9	171.7	163.3
Arizona	403.7	434.8	445.5	473.4	517.2	547.4	581.3	646.2	714.4	745.9	729.0	758.8	809.4
Arkansas	458.8	489.8	501.0	514.6	533.8	536.2	551.0	581.5	614.5	640.7	623.8	659.9	695.5
California	5 800.3	6 145.2	6 367.6	6 642.1	6 931.5	6 946.2	6 917.0	7 209.9	7 621.9	7 834.3	7 847.2	8 154.2	8 599.7
Colorado	599.0	631.3	655.9	686.7	720.8	750.2	787.1	869.4	936.0	959.7	963.5	1 003.4	1 058.1
Connecticut	1 032.9	1 095.4	1 130.1	1 158.0	1 194.1	1 197.5	1 164.3	1 190.4	1 238.7	1 264.0	1 223.4	1 239.7	1 282.3
Delaware	184.1	193.2	197.4	202.9	211.9	216.8	224.9	232.4	239.4	233.1	229.9	236.7	238.8
District of Columbia	572.5	587.0	594.7	582.8	575.0	566.7	566.6	572.0	573.7	580.1	576.5	575.8	578.7
Florida	1 619.1	1 726.8	1 816.4	1 932.3	2 069.9	2 152.1	2 276.3	2 513.1	2 778.6	2 863.8	2 746.4	2 784.3	2 933.4
Georgia	1 257.2	1 337.9	1 394.8	1 455.7	1 531.7	1 557.5	1 602.9	1 695.2	1 802.5	1 827.5	1 755.7	1 839.2	1 926.5
Hawaii	219.4	232.1	241.7	255.4	275.8	293.7	301.5	312.7	327.5	335.9	342.8	349.2	359.4
Idaho	177.6	184.8	187.7	192.9	201.4	207.9	217.2	236.5	251.7	268.8	273.0	291.1	307.4
Illinois	3 880.4	4 095.4	4 209.7	4 284.9	4 376.1	4 345.6	4 296.4	4 314.8	4 467.0	4 545.7	4 418.9	4 565.0	4 655.5
Indiana	1 631.1	1 737.2	1 777.0	1 817.4	1 880.3	1 849.0	1 841.1	1 921.9	2 028.1	2 031.4	1 941.7	2 023.8	2 114.0
Iowa	752.3	803.9	832.9	852.1	873.4	876.9	882.8	912.3	961.3	999.0	998.7	1 036.9	1 079.2
Kansas	600.4	634.3	652.8	672.1	686.5	678.8	677.9	717.5	763.3	790.0	801.2	834.8	871.0
Kentucky	758.9	804.0	836.5	868.6	895.5	910.0	931.6	988.3	1 038.6	1 065.9	1 057.6	1 103.1	1 148.2
Louisiana	898.4	957.9	997.2	1 020.5	1 032.8	1 033.6	1 055.9	1 128.6	1 176.1	1 220.8	1 249.5	1 314.4	1 364.6
Maine	295.4	309.3	316.9	323.2	330.1	332.2	332.3	343.7	354.8	361.5	356.9	375.3	387.8
Maryland	1 057.5	1 132.1	1 178.5	1 223.8	1 274.2	1 349.2	1 371.5	1 415.0	1 471.5	1 493.6	1 479.3	1 498.3	1 545.5
Massachusetts	2 015.8	2 097.4	2 147.9	2 187.9	2 249.4	2 243.5	2 211.4	2 251.7	2 333.4	2 353.8	2 273.1	2 323.5	2 416.1
Michigan	2 685.3	2 861.0	2 900.5	2 959.7	3 081.1	2 999.1	2 995.0	3 118.9	3 284.4	3 277.7	3 136.6	3 283.0	3 442.3
Minnesota	1 080.6	1 148.3	1 199.8	1 243.4	1 299.8	1 315.3	1 310.2	1 357.1	1 436.1	1 481.0	1 474.4	1 520.9	1 597.3
Mississippi	486.6	521.6	535.1	551.9	573.0	583.9	602.2	649.3	693.2	710.8	692.3	727.5	765.9
Missouri	1 478.3	1 554.2	1 595.6	1 631.3	1 672.2	1 668.1	1 660.9	1 700.1	1 770.8	1 789.3	1 740.6	1 797.8	1 861.9
Montana	179.3	184.7	188.0	192.6	195.6	199.1	204.8	215.4	224.2	234.0	238.2	251.1	264.9
Nebraska	418.7	434.2	449.3	458.9	474.4	484.3	490.9	517.0	541.3	562.1	557.8	572.1	593.7
Nevada	157.3	162.0	166.1	177.3	193.5	203.2	210.5	223.5	244.6	256.0	263.1	279.8	308.2
New Hampshire	220.8	235.2	244.0	251.8	259.2	258.5	259.9	278.5	297.8	300.3	292.8	313.4	337.1
New Jersey	2 256.5	2 359.1	2 421.5	2 485.2	2 569.6	2 606.2	2 607.6	2 672.5	2 759.7	2 783.0	2 699.9	2 753.7	2 836.9
New Mexico	262.5	271.7	272.6	276.6	287.5	292.6	305.7	327.5	346.0	360.2	370.2	390.0	415.4
New York	6 518.7	6 709.5	6 858.3	7 001.7	7 182.0	7 156.5	7 011.4	7 038.5	7 132.2	7 077.1	6 829.9	6 789.5	6 857.6
North Carolina	1 431.2	1 534.3	1 600.9	1 678.6	1 747.0	1 782.8	1 813.5	1 912.0	2 018.1	2 048.2	1 979.8	2 082.8	2 170.6
North Dakota	146.1	148.4	151.5	155.7	157.9	163.7	167.1	176.1	183.9	193.8	203.6	215.0	221.1
Ohio	3 364.3	3 537.3	3 619.8	3 750.8	3 887.3	3 880.7	3 839.6	3 938.3	4 112.9	4 169.4	4 016.2	4 094.6	4 230.1
Oklahoma	642.5	676.0	699.6	720.4	748.2	762.5	774.4	812.0	851.9	886.9	899.7	931.1	971.6
Oregon	608.3	640.4	652.2	679.1	708.7	710.6	728.8	774.7	816.2	838.2	837.3	878.5	936.9
Pennsylvania	3 917.5	4 077.1	4 171.3	4 263.5	4 374.9	4 351.6	4 291.3	4 400.0	4 506.5	4 514.6	4 435.8	4 512.8	4 565.2
Rhode Island	316.3	329.9	338.3	343.0	346.4	344.0	342.8	358.1	365.9	367.0	349.2	366.7	381.7
South Carolina	686.0	734.9	754.5	782.9	819.8	842.0	862.6	920.3	984.0	1 015.8	982.6	1 038.1	1 081.7
South Dakota	155.6	160.1	163.9	167.9	173.0	175.4	179.0	189.9	199.1	206.6	209.3	218.6	226.6
Tennessee	1 108.5	1 184.4	1 218.8	1 264.0	1 309.8	1 327.6	1 356.8	1 450.1	1 531.2	1 558.2	1 505.8	1 575.4	1 648.1
Texas	2 932.4	3 108.7	3 259.3	3 424.3	3 597.1	3 625.0	3 683.5	3 884.4	4 141.7	4 360.3	4 462.9	4 683.7	4 906.8
Utah	299.8	317.4	326.6	335.1	348.2	356.9	369.3	393.0	414.8	434.1	440.3	462.8	488.7
Vermont	121.3	130.8	136.3	140.3	145.5	147.9	148.1	153.6	161.3	162.8	162.0	168.4	178.4
Virginia	1 218.9	1 285.3	1 330.2	1 385.0	1 436.4	1 518.9	1 567.1	1 655.5	1 753.1	1 804.6	1 778.6	1 848.1	1 930.4
Washington	896.5	988.5	1 045.3	1 099.3	1 120.2	1 079.3	1 064.4	1 100.1	1 152.2	1 199.1	1 225.7	1 282.9	1 366.9
West Virginia	476.6	495.2	503.6	508.4	512.3	516.5	520.0	540.5	561.6	572.4	574.7	596.3	611.5
Wisconsin	1 331.7	1 394.1	1 430.5	1 472.1	1 525.1	1 530.4	1 525.4	1 580.8	1 660.5	1 703.4	1 676.8	1 725.9	1 798.9
Wyoming	...	97.2	99.0	102.9	107.0	108.4	111.1	117.3	126.1	136.5	146.0	156.6	170.6
Puerto Rico	...	...	...	...	...	...	...	...	...	...	...	...	...
Virgin Islands	...	...	...	...	...	...	...	...	...	...	33.1	31.3	32.2

... = Not available.

Table 2-29. Employees on Total Nonfarm Payrolls by State, 1965–2003—Continued

(Thousands of people.)

State	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Alabama	1 336.5	1 362.0	1 356.1	1 347.6	1 312.5	1 328.8	1 387.7	1 427.1	1 463.3	1 507.7	1 558.7	1 601.2	1 635.8
Alaska	163.5	166.9	169.4	186.1	200.4	214.3	225.7	230.7	220.7	210.1	213.7	227.0	238.0
Arizona	895.4	980.0	1 014.0	1 040.8	1 029.8	1 077.8	1 181.9	1 278.6	1 337.8	1 385.8	1 419.3	1 454.5	1 483.0
Arkansas	732.7	749.5	742.3	740.1	720.1	741.3	780.2	797.1	813.8	836.6	865.4	893.4	923.4
California	9 199.8	9 664.6	9 848.8	9 985.3	9 810.3	9 917.8	10 390.0	10 769.8	11 085.5	11 472.6	11 911.5	12 238.5	12 499.8
Colorado	1 149.9	1 218.0	1 251.1	1 295.2	1 316.6	1 327.2	1 402.3	1 418.7	1 408.3	1 412.6	1 436.1	1 482.3	1 520.8
Connecticut	1 346.1	1 398.0	1 426.9	1 438.3	1 428.5	1 444.2	1 517.3	1 558.2	1 598.4	1 638.2	1 667.4	1 665.6	1 623.5
Delaware	247.8	256.7	259.2	259.2	259.2	266.1	280.0	293.3	303.2	320.7	334.2	344.5	347.4
District of Columbia	596.3	612.5	616.1	611.0	597.9	596.6	613.8	629.0	640.0	655.6	673.6	680.6	686.0
Florida	3 180.6	3 381.2	3 576.2	3 736.0	3 761.9	3 905.4	4 204.2	4 410.0	4 599.4	4 848.1	5 066.6	5 260.9	5 387.4
Georgia	2 050.1	2 127.5	2 159.4	2 198.7	2 201.5	2 279.5	2 448.7	2 569.8	2 672.4	2 782.0	2 875.9	2 941.1	2 991.8
Hawaii	377.3	394.0	404.1	404.8	399.4	406.2	412.7	425.8	438.6	460.0	478.1	505.5	528.4
Idaho	331.3	338.0	330.0	327.8	312.2	317.9	330.5	336.0	328.2	333.4	348.6	365.8	385.0
Illinois	4 788.8	4 880.0	4 850.3	4 732.3	4 593.3	4 530.6	4 672.3	4 755.3	4 790.7	4 928.3	5 097.5	5 213.9	5 288.4
Indiana	2 205.5	2 236.3	2 129.5	2 114.5	2 028.1	2 029.5	2 122.3	2 168.6	2 221.8	2 304.9	2 395.6	2 479.3	2 521.9
Iowa	1 119.2	1 131.7	1 109.9	1 088.6	1 041.9	1 040.4	1 074.7	1 074.2	1 073.8	1 109.1	1 156.2	1 200.1	1 226.3
Kansas	912.5	946.8	944.7	949.8	921.4	921.5	960.8	967.9	984.8	1 005.1	1 035.4	1 064.2	1 088.4
Kentucky	1 209.9	1 245.3	1 210.0	1 196.4	1 160.7	1 152.3	1 213.8	1 250.4	1 274.1	1 328.2	1 381.9	1 433.0	1 470.5
Louisiana	1 463.5	1 517.4	1 578.9	1 630.5	1 607.0	1 565.2	1 601.5	1 591.2	1 518.5	1 483.6	1 511.6	1 538.5	1 589.8
Maine	405.5	415.9	418.3	419.3	415.5	425.1	445.7	458.4	477.4	501.1	527.1	541.9	535.0
Maryland	1 625.5	1 691.4	1 712.0	1 715.8	1 675.6	1 723.8	1 814.0	1 887.8	1 952.0	2 028.0	2 102.3	2 155.2	2 171.2
Massachusetts	2 526.3	2 603.5	2 654.3	2 671.8	2 642.0	2 696.5	2 855.8	2 930.0	2 988.8	3 065.8	3 130.8	3 108.6	2 984.8
Michigan	3 609.4	3 637.1	3 442.8	3 364.4	3 193.3	3 223.1	3 381.0	3 561.5	3 657.3	3 735.8	3 819.3	3 922.4	3 969.7
Minnesota	1 689.3	1 767.0	1 770.2	1 761.3	1 707.3	1 718.4	1 819.8	1 865.5	1 892.5	1 962.5	2 028.1	2 086.8	2 126.7
Mississippi	813.7	838.1	829.3	819.1	790.9	792.8	820.8	838.9	848.2	864.4	896.2	919.3	936.5
Missouri	1 953.2	2 011.2	1 969.8	1 956.5	1 922.5	1 937.0	2 032.7	2 094.7	2 142.6	2 197.8	2 258.9	2 315.0	2 345.0
Montana	280.4	283.9	280.4	281.9	273.7	276.0	281.1	279.1	275.4	274.1	282.9	291.0	297.2
Nebraska	610.1	631.2	627.6	623.2	609.8	610.8	635.4	650.5	652.5	667.2	688.1	708.0	730.1
Nevada	350.2	383.7	399.9	411.1	401.1	402.8	426.0	446.4	468.1	500.2	537.6	581.0	620.9
New Hampshire	359.7	378.5	385.4	394.6	394.4	409.5	441.6	466.1	490.1	512.8	529.0	529.1	508.0
New Jersey	2 961.9	3 027.2	3 060.4	3 098.9	3 092.7	3 165.1	3 329.2	3 414.1	3 488.1	3 576.3	3 651.0	3 689.8	3 635.1
New Mexico	444.3	461.0	465.4	475.5	473.6	479.5	502.7	520.2	525.9	529.3	547.5	562.2	580.4
New York	7 044.5	7 179.4	7 207.1	7 287.3	7 254.6	7 313.3	7 570.4	7 751.3	7 907.9	8 059.4	8 186.9	8 246.8	8 212.3
North Carolina	2 277.5	2 373.0	2 380.1	2 391.6	2 347.0	2 419.3	2 565.2	2 651.2	2 744.1	2 862.6	2 986.6	3 073.9	3 117.6
North Dakota	234.0	244.2	245.2	249.4	249.7	250.7	252.5	252.0	249.9	252.4	256.8	260.4	265.8
Ohio	4 394.9	4 484.8	4 367.4	4 317.7	4 124.3	4 092.5	4 260.2	4 372.9	4 471.5	4 582.6	4 700.6	4 817.5	4 882.3
Oklahoma	1 035.7	1 088.0	1 138.1	1 201.2	1 216.9	1 170.7	1 180.3	1 165.3	1 124.4	1 108.5	1 131.5	1 163.8	1 195.8
Oregon	1 009.2	1 056.0	1 044.5	1 018.7	961.1	966.7	1 006.9	1 030.0	1 058.5	1 100.1	1 152.8	1 205.8	1 247.0
Pennsylvania	4 716.2	4 806.1	4 753.1	4 728.9	4 580.1	4 524.3	4 654.8	4 730.3	4 790.9	4 915.1	5 041.7	5 138.5	5 170.2
Rhode Island	395.8	399.9	398.3	401.4	390.5	396.4	416.4	429.2	442.6	451.9	459.4	461.9	451.2
South Carolina	1 137.5	1 176.0	1 188.8	1 196.5	1 162.3	1 189.0	1 262.5	1 296.2	1 338.0	1 392.2	1 449.0	1 499.7	1 545.0
South Dakota	236.6	241.3	238.0	236.1	230.2	235.3	247.0	249.4	251.9	256.9	266.1	276.0	288.7
Tennessee	1 737.0	1 777.3	1 746.6	1 755.4	1 703.1	1 719.0	1 812.1	1 867.8	1 929.8	2 011.7	2 092.1	2 167.2	2 193.2
Texas	5 271.6	5 601.8	5 851.3	6 180.0	6 263.4	6 193.6	6 492.3	6 663.1	6 564.2	6 516.9	6 677.8	6 840.0	7 095.3
Utah	525.4	548.4	550.8	558.0	560.9	567.0	601.2	624.4	634.1	640.0	660.0	691.1	723.6
Vermont	190.6	197.9	200.1	204.3	202.9	206.4	214.9	224.8	234.4	245.6	256.1	261.8	257.7
Virginia	2 033.5	2 115.0	2 157.0	2 160.8	2 146.4	2 206.9	2 333.3	2 454.7	2 557.7	2 680.4	2 772.5	2 861.9	2 896.2
Washington	1 485.4	1 581.2	1 608.3	1 612.0	1 568.6	1 586.2	1 659.6	1 710.4	1 769.9	1 851.8	1 941.4	2 046.8	2 143.0
West Virginia	633.1	658.6	645.9	628.5	607.8	582.4	596.6	597.2	597.5	599.0	609.8	614.7	630.0
Wisconsin	1 887.0	1 960.2	1 938.1	1 923.2	1 866.7	1 867.3	1 949.2	1 983.1	2 023.9	2 089.6	2 168.5	2 236.4	2 291.5
Wyoming	187.4	200.7	210.2	223.5	217.7	202.5	204.3	206.9	196.3	183.1	189.0	192.8	198.5
Puerto Rico	...	...	693.1	679.7	641.6	645.6	684.2	692.5	728.0	763.8	817.8	837.4	843.8
Virgin Islands	33.8	36.1	37.3	37.7	36.5	36.4	36.6	36.9	37.7	39.6	41.5	42.0	43.0

... = Not available.

Table 2-29. Employees on Total Nonfarm Payrolls by State, 1965–2003—Continued

(Thousands of people.)

State	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Alabama	1 642.0	1 674.4	1 716.8	1 758.5	1 803.7	1 828.6	1 866.2	1 898.1	1 919.5	1 931.2	1 908.7	1 883.2	1 874.8
Alaska	242.7	247.1	252.8	259.3	261.9	263.5	268.7	274.9	277.8	283.8	289.3	295.0	299.7
Arizona	1 491.2	1 517.1	1 584.4	1 692.0	1 795.3	1 892.2	1 984.5	2 074.7	2 163.0	2 242.7	2 265.0	2 265.1	2 289.3
Arkansas	936.3	963.0	993.9	1 034.0	1 069.3	1 085.9	1 103.9	1 122.1	1 141.7	1 158.5	1 153.7	1 146.3	1 143.7
California	12 358.9	12 153.5	12 045.4	12 159.5	12 422.0	12 743.4	13 129.7	13 596.1	13 991.8	14 488.2	14 601.9	14 457.8	14 410.2
Colorado	1 544.9	1 596.9	1 670.7	1 755.9	1 834.4	1 900.4	1 979.5	2 056.7	2 131.5	2 212.6	2 225.4	2 182.5	2 150.4
Connecticut	1 555.2	1 526.2	1 531.1	1 543.7	1 561.5	1 583.6	1 612.4	1 643.4	1 669.1	1 693.1	1 681.1	1 664.9	1 643.2
Delaware	341.7	341.3	348.7	355.8	366.2	376.3	387.9	400.2	412.9	420.0	419.4	414.5	413.6
District of Columbia	677.2	673.6	670.3	658.7	642.6	623.0	618.4	613.5	627.4	650.2	653.7	664.2	664.6
Florida	5 294.3	5 358.5	5 571.4	5 799.3	5 996.0	6 183.3	6 414.3	6 636.4	6 827.0	7 080.5	7 170.7	7 179.7	7 285.5
Georgia	2 937.6	2 987.2	3 109.2	3 266.0	3 402.3	3 527.3	3 614.4	3 740.8	3 854.6	3 949.3	3 943.2	3 869.5	3 859.8
Hawaii	539.1	542.8	538.8	536.1	532.8	530.7	531.6	531.3	535.0	551.4	555.0	556.8	567.3
Idaho	398.1	416.4	436.5	460.9	477.3	491.0	507.5	521.1	538.9	559.6	567.7	568.2	571.8
Illinois	5 231.5	5 234.7	5 330.4	5 462.9	5 593.1	5 684.6	5 772.0	5 898.6	5 958.4	6 044.8	5 995.2	5 883.9	5 817.6
Indiana	2 507.3	2 554.2	2 626.9	2 712.7	2 786.5	2 814.3	2 858.4	2 917.2	2 969.9	3 000.0	2 933.4	2 900.9	2 896.8
Iowa	1 238.1	1 252.5	1 278.5	1 319.9	1 358.0	1 383.4	1 407.0	1 442.7	1 468.6	1 478.4	1 465.6	1 447.3	1 440.3
Kansas	1 095.3	1 115.0	1 133.3	1 165.8	1 198.0	1 226.6	1 268.4	1 312.3	1 327.1	1 344.9	1 347.7	1 335.0	1 311.9
Kentucky	1 474.7	1 508.5	1 547.8	1 597.1	1 642.8	1 671.7	1 711.2	1 752.7	1 795.4	1 824.6	1 804.0	1 788.8	1 782.9
Louisiana	1 612.9	1 626.9	1 658.6	1 722.1	1 772.3	1 809.6	1 849.9	1 889.4	1 896.2	1 919.9	1 917.5	1 897.8	1 905.9
Maine	513.4	511.8	519.3	531.5	538.1	542.4	553.7	569.1	586.3	603.4	608.1	606.5	606.1
Maryland	2 099.8	2 081.3	2 102.3	2 145.8	2 182.6	2 211.1	2 267.2	2 324.3	2 386.5	2 450.0	2 467.3	2 476.7	2 482.5
Massachusetts	2 821.1	2 795.1	2 840.1	2 903.6	2 976.6	3 035.3	3 109.2	3 178.6	3 236.8	3 323.2	3 329.1	3 249.7	3 186.3
Michigan	3 891.2	3 927.5	4 005.8	4 146.9	4 273.9	4 360.8	4 448.1	4 510.2	4 581.9	4 673.9	4 555.9	4 477.8	4 411.8
Minnesota	2 136.8	2 184.9	2 242.7	2 310.4	2 378.5	2 433.2	2 490.8	2 555.0	2 613.0	2 675.7	2 680.3	2 654.5	2 651.3
Mississippi	937.5	960.2	1 002.1	1 055.5	1 074.5	1 088.8	1 107.1	1 133.6	1 153.1	1 153.5	1 129.9	1 123.6	1 116.6
Missouri	2 309.1	2 333.6	2 394.6	2 470.4	2 520.9	2 567.4	2 639.3	2 684.0	2 726.8	2 748.7	2 726.4	2 694.8	2 676.0
Montana	303.6	316.5	325.6	340.1	350.7	360.3	364.9	373.0	380.2	387.5	391.7	396.0	400.1
Nebraska	739.2	750.1	767.2	796.1	816.3	834.8	854.2	876.1	892.7	908.4	913.2	905.7	903.8
Nevada	628.6	638.6	671.5	738.0	786.0	842.9	890.7	925.8	983.0	1 026.9	1 051.4	1 052.0	1 087.4
New Hampshire	482.0	486.9	502.4	523.1	539.7	553.6	570.2	588.9	605.7	622.0	627.2	618.4	616.6
New Jersey	3 498.6	3 457.8	3 493.0	3 552.7	3 600.5	3 638.9	3 724.5	3 801.2	3 901.1	3 994.5	3 997.1	3 983.9	3 980.3
New Mexico	585.4	601.5	626.1	657.3	682.4	694.5	708.4	719.9	729.7	744.8	757.2	766.1	775.5
New York	7 886.7	7 730.3	7 759.7	7 831.3	7 892.2	7 938.7	8 067.1	8 236.8	8 455.9	8 635.2	8 591.7	8 459.0	8 403.5
North Carolina	3 072.1	3 125.3	3 244.6	3 358.8	3 459.5	3 546.4	3 663.1	3 773.6	3 870.3	3 933.7	3 898.7	3 837.1	3 803.1
North Dakota	270.6	277.1	284.8	294.7	301.7	308.6	314.0	319.4	323.8	327.7	329.7	329.8	332.6
Ohio	4 818.6	4 847.6	4 918.3	5 075.9	5 221.0	5 296.4	5 392.4	5 482.0	5 563.5	5 624.6	5 542.6	5 445.0	5 391.0
Oklahoma	1 210.9	1 221.6	1 246.9	1 279.4	1 315.6	1 353.4	1 392.5	1 441.1	1 461.9	1 489.4	1 506.8	1 486.5	1 450.6
Oregon	1 244.6	1 267.3	1 308.1	1 362.7	1 418.2	1 474.5	1 526.3	1 551.6	1 574.9	1 606.6	1 593.6	1 572.5	1 562.0
Pennsylvania	5 083.6	5 075.6	5 122.9	5 192.4	5 253.1	5 306.2	5 406.4	5 494.8	5 586.1	5 691.3	5 682.5	5 640.8	5 602.2
Rhode Island	421.5	424.7	430.0	434.1	440.1	441.5	449.9	458.0	465.5	476.7	478.4	479.4	483.7
South Carolina	1 513.5	1 527.7	1 570.0	1 607.3	1 646.1	1 675.1	1 720.2	1 783.3	1 830.6	1 859.4	1 823.4	1 804.7	1 812.5
South Dakota	296.4	308.5	318.7	331.9	343.5	348.7	354.9	363.2	373.3	377.7	378.5	377.3	378.2
Tennessee	2 183.6	2 245.0	2 328.4	2 422.9	2 498.9	2 533.3	2 584.0	2 638.3	2 685.3	2 728.9	2 688.3	2 664.4	2 667.5
Texas	7 174.7	7 269.0	7 481.5	7 750.9	8 022.6	8 256.1	8 608.0	8 940.2	9 159.3	9 433.4	9 518.4	9 422.9	9 373.1
Utah	745.3	768.6	809.8	859.7	907.5	954.4	993.5	1 023.2	1 048.5	1 075.4	1 081.3	1 073.4	1 073.8
Vermont	249.1	251.2	257.4	263.9	270.2	275.1	279.4	285.0	291.6	298.7	302.1	299.3	298.6
Virginia	2 828.9	2 848.4	2 918.9	3 003.6	3 069.6	3 135.8	3 231.8	3 319.9	3 412.3	3 516.5	3 516.5	3 494.1	3 500.3
Washington	2 177.3	2 222.4	2 252.9	2 304.2	2 346.9	2 415.5	2 514.2	2 594.9	2 648.6	2 711.2	2 697.0	2 654.1	2 659.4
West Virginia	628.8	639.8	652.4	674.4	687.8	698.6	707.8	719.3	726.0	735.8	735.2	733.1	726.3
Wisconsin	2 302.1	2 357.9	2 412.7	2 490.7	2 558.6	2 600.6	2 655.8	2 718.0	2 784.0	2 833.8	2 813.9	2 782.4	2 778.9
Wyoming	203.0	205.6	210.3	216.8	219.3	221.1	224.5	228.3	233.1	239.3	245.4	247.9	250.0
Puerto Rico	835.6	855.8	869.4	895.7	927.3	970.6	986.8	994.4	1 008.9	1 022.9	992.8	983.7	1 000.9
Virgin Islands	43.8	44.9	48.5	44.4	41.9	41.1	41.7	41.7	40.9	41.6	44.2	43.0	41.6

Table 2-30. Employees on Manufacturing Payrolls by State, NAICS Basis, 1990–2003

(Thousands of people.)

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Alabama	363.8	354.2	356.8	359.3	361.8	370.3	362.2	363.8	364.6	357.5	351.4	325.5	307.4	293.7
Alaska	14.1	15.1	15.8	15.1	14.4	14.7	14.4	13.9	13.0	11.8	11.8	11.7	11.3	11.7
Arizona	176.5	170.7	166.8	169.6	181.7	191.3	199.1	204.8	210.5	207.4	209.9	201.7	183.5	174.0
Arkansas	219.3	219.1	223.6	230.6	240.2	246.0	240.7	240.7	241.6	240.7	240.3	226.9	213.7	206.2
California	1 959.8	1 885.2	1 787.0	1 695.2	1 683.8	1 714.9	1 772.4	1 825.1	1 857.2	1 829.9	1 857.5	1 785.6	1 638.2	1 544.9
Colorado	169.8	164.9	163.6	166.5	172.5	179.5	182.9	189.3	194.4	190.7	191.3	181.9	166.1	156.2
Connecticut	298.3	285.0	273.6	261.5	253.4	248.5	245.3	245.3	247.8	240.2	235.6	226.7	211.2	199.5
Delaware	45.8	45.9	44.2	43.8	43.3	43.4	41.4	43.1	44.0	44.0	41.5	39.4	37.1	35.7
District of Columbia	7.3	6.2	5.4	5.2	5.1	4.9	4.5	4.3	3.9	3.8	3.7	3.4	3.1	2.6
Florida	485.8	455.5	449.8	455.1	451.1	456.6	462.5	463.3	459.5	455.5	455.0	432.3	405.6	388.8
Georgia	505.9	482.9	491.0	511.0	526.4	539.6	543.9	547.1	545.2	542.6	530.5	498.3	466.7	451.6
Hawaii	20.4	19.4	18.8	17.5	16.8	16.2	15.9	15.8	15.6	15.9	16.4	16.4	15.2	14.9
Idaho	52.6	55.4	57.9	61.0	63.0	63.1	66.1	68.2	69.3	68.9	69.9	68.3	64.9	62.0
Illinois	914.6	875.7	855.1	860.3	877.8	893.5	898.7	902.2	905.9	882.1	870.5	815.4	753.9	717.5
Indiana	609.1	589.8	600.5	614.4	625.3	651.3	645.8	650.8	656.7	664.7	663.5	615.4	588.4	572.8
Iowa	218.9	216.4	216.3	220.7	229.8	236.5	234.7	239.0	250.8	252.7	251.4	240.2	227.3	220.0
Kansas	177.5	174.5	174.2	172.2	175.9	179.9	185.7	198.1	205.7	204.0	200.2	194.3	182.1	172.0
Kentucky	272.7	266.7	271.4	278.6	289.4	298.6	297.7	302.4	306.5	309.0	310.4	291.8	275.1	266.3
Louisiana	176.7	178.5	177.3	176.8	179.0	182.0	183.4	185.6	184.9	181.4	177.4	171.8	160.7	155.8
Maine	92.9	87.6	84.0	82.5	83.3	83.2	81.2	80.6	81.1	80.5	79.5	74.6	68.0	63.8
Maryland	198.2	187.4	180.0	176.4	176.7	176.8	174.0	175.2	175.3	173.6	173.9	168.2	156.5	147.6
Massachusetts	485.7	452.1	436.6	424.8	418.4	417.3	415.9	417.4	417.9	405.2	407.9	388.6	348.8	326.2
Michigan	837.6	793.0	796.3	805.7	848.4	873.0	866.0	873.4	889.9	898.1	896.7	819.6	760.0	727.2
Minnesota	341.4	339.2	342.5	351.0	361.2	374.7	380.9	391.1	396.9	395.4	396.5	378.5	355.8	344.3
Mississippi	229.0	230.4	235.9	239.1	244.3	241.1	230.6	228.4	233.8	232.9	222.5	200.8	187.9	178.3
Missouri	389.3	370.6	363.7	362.4	363.4	374.4	372.9	373.9	375.8	371.8	361.8	342.2	322.7	312.8
Montana	19.5	19.1	20.0	20.4	20.7	21.2	21.9	22.2	22.1	22.5	22.5	21.4	20.0	18.9
Nebraska	97.7	97.2	97.9	100.5	105.6	109.9	111.3	112.7	114.4	113.4	114.3	110.8	106.0	102.1
Nevada	24.2	24.6	26.1	29.2	32.7	35.7	38.0	39.5	40.5	41.0	42.7	44.0	42.9	43.7
New Hampshire	98.5	92.1	89.6	91.3	94.2	97.1	98.8	101.5	103.6	101.2	102.5	97.4	85.0	80.1
New Jersey	529.5	498.3	474.0	462.9	455.9	448.6	437.4	435.4	429.3	422.4	421.5	401.2	367.5	351.7
New Mexico	38.0	37.6	37.2	39.1	41.7	42.5	42.6	42.7	42.5	41.2	41.7	40.9	38.4	36.3
New York	983.1	909.9	869.7	836.4	815.7	810.3	796.8	797.1	791.8	772.8	750.8	708.2	652.2	614.6
North Carolina	823.9	784.7	795.7	813.1	817.3	821.2	807.6	799.9	796.2	776.5	757.9	704.0	643.5	604.3
North Dakota	15.8	16.3	17.0	18.1	19.7	20.0	20.5	22.1	22.5	22.8	23.9	24.0	23.7	23.4
Ohio	1 064.6	1 023.1	994.4	980.5	1 003.6	1 037.4	1 030.1	1 027.8	1 030.6	1 027.6	1 021.0	953.0	885.0	844.2
Oklahoma	156.6	156.6	152.7	156.5	158.8	161.5	162.9	168.9	175.6	177.3	177.5	169.8	152.3	143.0
Oregon	202.7	195.2	191.7	192.2	199.7	208.1	215.7	225.3	227.0	223.0	223.4	215.7	201.6	195.9
Pennsylvania	947.1	908.8	887.6	875.4	877.9	878.5	864.8	868.9	871.8	862.5	862.3	820.6	758.9	715.5
Rhode Island	95.1	87.4	84.8	83.5	82.5	80.3	77.3	76.2	74.8	72.1	71.1	67.8	62.3	58.9
South Carolina	347.8	333.6	337.5	341.7	345.3	346.8	338.8	338.5	341.2	336.1	336.2	313.6	289.7	277.1
South Dakota	33.5	34.1	36.0	38.0	40.9	43.5	43.6	44.2	44.0	44.2	43.8	40.9	38.4	37.7
Tennessee	493.4	480.3	492.8	502.8	513.7	517.9	501.5	498.0	498.6	494.7	488.0	454.2	428.5	414.1
Texas	947.7	936.3	928.7	942.2	966.2	995.3	1 016.9	1 045.1	1 077.3	1 063.3	1 068.0	1 026.8	948.7	900.9
Utah	103.5	102.5	102.4	106.4	111.6	116.8	121.5	125.6	126.8	126.0	125.5	122.0	113.9	112.1
Vermont	42.7	40.1	39.7	39.9	40.4	41.2	42.6	43.8	44.6	45.3	46.3	45.6	40.5	37.6
Virginia	387.2	375.7	372.7	370.2	370.8	373.1	370.8	374.4	375.5	366.8	363.5	341.2	320.0	304.9
Washington	336.0	328.6	325.0	312.9	311.6	311.3	324.9	350.3	360.5	343.4	331.8	316.1	285.0	266.5
West Virginia	82.0	79.0	78.3	78.8	77.2	78.4	77.6	76.9	77.7	76.9	75.9	72.2	68.7	64.7
Wisconsin	523.0	512.6	516.8	526.2	546.1	566.6	567.6	579.2	593.2	594.8	594.1	560.3	528.3	1 506.4
Wyoming	9.1	9.1	9.3	9.6	10.0	10.1	10.0	10.1	10.2	10.2	10.4	10.0	9.5	9.3
Puerto Rico	158.7	153.9	154.5	155.4	155.6	159.0	157.6	154.7	147.6	144.1	142.7	129.4	118.1	116.3
Virgin Islands	2.2	2.4	2.5	2.8	2.7	2.3	2.2	2.1	2.2	2.2	2.2	2.1	2.1	2.0

¹Non-economic events.

Table 2-31. Employees on Manufacturing Payrolls by State, SIC Basis, 1964–1989

(Thousands of people.)

State	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Alabama	259.2	279.2	296.9	300.6	310.0	327.3	327.2	322.7	333.4	350.9	353.7	321.9	340.2
Alaska	5.6	6.3	6.6	6.6	6.9	7.3	8.6	7.8	8.1	9.5	9.7	9.6	10.3
Arizona	59.5	64.9	77.7	79.1	84.9	94.2	91.2	89.2	98.7	110.2	112.9	99.8	105.6
Arkansas	126.7	135.9	149.7	153.4	159.0	169.1	168.6	172.5	185.2	200.4	203.9	179.2	195.1
California	1 389.4	1 411.2	1 531.3	1 594.0	1 639.7	1 661.3	1 558.0	1 473.2	1 542.7	1 660.7	1 701.3	1 593.7	1 659.8
Colorado	93.5	92.6	102.7	106.1	110.5	118.3	120.8	123.5	131.5	143.3	146.6	137.2	144.5
Connecticut	421.0	436.1	471.4	479.5	474.3	471.7	441.9	399.0	400.1	420.2	430.9	389.8	397.0
Delaware	61.9	67.8	71.0	71.7	72.9	73.6	71.1	68.8	69.4	73.7	70.8	65.7	68.2
Florida	237.9	252.6	276.1	293.8	311.4	329.2	322.5	322.7	351.3	380.6	375.9	339.4	354.0
Georgia	378.9	403.9	431.5	438.9	452.9	477.6	467.1	461.7	476.6	494.5	483.7	439.3	476.3
Hawaii	25.2	24.5	24.2	24.7	23.8	25.2	25.6	25.2	24.9	23.8	22.7	23.7	23.4
Idaho	31.8	33.3	35.6	35.3	37.9	39.9	40.3	41.2	43.6	46.9	48.0	47.8	52.0
Illinois	1 253.3	1 318.4	1 410.5	1 409.6	1 404.0	1 417.4	1 358.6	1 282.4	1 284.2	1 353.5	1 345.1	1 199.8	1 215.2
Indiana	630.9	673.6	719.7	716.0	722.9	752.3	710.2	683.4	709.4	758.2	737.2	647.2	685.1
Iowa	183.5	192.9	212.1	219.3	223.1	225.4	216.0	209.8	222.9	241.3	249.9	230.4	234.0
Kansas	123.1	124.7	142.3	149.3	151.0	150.6	137.2	132.5	145.7	164.5	169.2	164.2	166.6
Kentucky	194.0	207.8	228.6	234.2	242.9	250.4	255.4	253.3	268.3	288.3	290.9	259.7	273.3
Louisiana	155.4	161.1	168.3	176.7	181.9	184.6	179.0	177.7	183.2	190.5	192.5	186.2	195.4
Maine	104.0	108.0	115.0	116.3	118.0	115.7	110.4	102.7	102.4	104.5	105.1	96.3	102.5
Maryland	258.2	264.8	279.8	283.3	280.6	281.7	271.4	252.4	248.8	257.0	254.5	230.0	232.4
Massachusetts	649.9	668.2	699.1	700.8	689.5	681.5	648.2	605.7	610.2	634.7	639.3	577.8	593.6
Michigan	1 032.0	1 112.4	1 179.6	1 148.8	1 172.5	1 203.8	1 081.1	1 059.2	1 097.4	1 178.8	1 114.0	983.7	1 061.7
Minnesota	246.4	261.6	287.4	302.2	314.7	331.4	318.7	298.8	310.2	331.2	340.7	313.0	321.7
Mississippi	140.4	153.0	166.6	167.4	175.5	182.5	182.1	189.5	207.7	221.0	220.0	201.8	218.9
Missouri	405.7	420.1	448.7	457.4	462.7	465.7	449.4	430.3	441.5	459.7	451.6	405.3	424.9
Montana	21.4	22.1	22.9	22.4	23.2	24.1	23.9	23.9	24.5	24.8	24.5	22.1	23.7
Nebraska	67.2	68.7	74.7	79.7	82.8	86.2	84.5	82.6	85.0	90.5	93.4	85.4	87.9
Nevada	6.9	7.1	7.1	6.8	7.1	8.2	8.6	8.8	9.8	11.8	12.3	12.2	13.0
New Hampshire	85.6	89.8	96.0	97.6	99.7	97.9	91.6	86.3	90.8	96.0	94.2	85.1	94.5
New Jersey	806.7	837.5	879.3	882.8	893.7	892.5	860.7	818.3	823.3	842.6	825.9	747.9	756.2
New Mexico	17.9	17.6	18.6	18.3	18.5	20.7	21.4	22.6	26.1	28.9	29.6	28.6	30.3
New York	1 794.8	1 838.1	1 894.5	1 885.7	1 879.0	1 870.8	1 760.6	1 633.5	1 602.2	1 619.1	1 574.6	1 421.9	1 438.9
North Carolina	557.1	590.6	638.1	657.5	686.1	714.0	713.0	716.2	756.8	796.9	789.6	715.5	756.3
North Dakota	8.4	8.7	8.9	8.6	8.9	9.0	9.9	10.2	10.8	12.6	14.7	16.2	16.2
Ohio	1 259.1	1 326.0	1 404.4	1 401.4	1 433.5	1 471.0	1 409.9	1 333.8	1 346.8	1 426.3	1 416.6	1 267.5	1 295.3
Oklahoma	96.6	103.0	113.3	116.4	121.7	129.9	134.1	132.7	141.1	151.9	156.7	150.7	156.1
Oregon	151.7	158.2	167.2	165.4	173.7	180.5	172.3	174.3	184.2	196.9	197.1	182.3	193.7
Pennsylvania	1 434.8	1 494.1	1 565.3	1 562.4	1 570.0	1 588.9	1 528.8	1 438.1	1 444.0	1 480.1	1 464.5	1 334.8	1 335.2
Rhode Island	116.0	121.0	127.6	127.4	127.4	127.9	120.9	115.2	121.0	125.6	126.0	112.7	122.9
South Carolina	277.7	293.0	313.7	319.0	327.3	341.5	340.3	337.2	354.3	374.9	375.9	339.9	371.0
South Dakota	13.3	13.5	14.3	15.4	15.9	15.9	15.8	16.5	18.4	19.8	20.9	19.8	22.2
Tennessee	361.5	386.6	424.2	434.8	454.3	469.0	463.8	459.5	489.2	519.4	513.3	459.0	486.1
Texas	540.5	572.1	622.1	661.9	709.4	750.2	734.3	710.5	738.7	790.2	831.3	815.9	862.3
Utah	52.5	50.0	51.2	50.9	51.9	54.8	56.0	56.5	60.5	65.1	70.4	67.5	70.7
Vermont	34.7	38.6	43.4	44.2	43.7	43.4	40.5	37.9	38.5	41.6	42.8	39.5	41.0
Virginia	308.6	322.5	340.0	346.0	362.7	371.0	366.0	366.2	387.8	401.8	401.9	371.5	387.7
Washington	219.3	227.0	265.2	277.1	286.9	278.5	239.5	214.7	224.1	244.2	253.6	244.0	247.4
West Virginia	126.2	129.2	133.0	133.2	132.4	131.0	126.5	122.9	123.3	129.0	132.1	121.1	124.4
Wisconsin	469.6	491.9	508.6	508.7	510.3	520.9	500.9	479.6	495.4	531.7	546.1	507.0	519.4
Wyoming	7.7	7.1	6.8	7.1	6.8	7.4	7.4	7.5	7.9	8.4	8.4	8.3	8.4
Puerto Rico .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Virgin Islands .....	...	...	...	...	...	...	...	...	...	...	...	3.1	3.1

... = Not available.

Table 2-31. Employees on Manufacturing Payrolls by State, SIC Basis, 1964–1989—Continued

(Thousands of people.)

State	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	259.2	279.2	296.9	300.6	310.0	327.3	327.2	322.7	333.4	350.9	353.7	321.9	340.2
Alaska	5.6	6.3	6.6	6.6	6.9	7.3	8.6	7.8	8.1	9.5	9.7	9.6	10.3
Arizona	59.5	64.9	77.7	79.1	84.9	94.2	91.2	89.2	98.7	110.2	112.9	99.8	105.6
Arkansas	126.7	135.9	149.7	153.4	159.0	169.1	168.6	172.5	185.2	200.4	203.9	179.2	195.1
California	1 389.4	1 411.2	1 531.3	1 594.0	1 639.7	1 661.3	1 558.0	1 473.2	1 542.7	1 660.7	1 701.3	1 593.7	1 659.8
Colorado	93.5	92.6	102.7	106.1	110.5	118.3	120.8	123.5	131.5	143.3	146.6	137.2	144.5
Connecticut	421.0	436.1	471.4	479.5	474.3	471.7	441.9	399.0	400.1	420.2	430.9	389.8	397.0
Delaware	61.9	67.8	71.0	71.7	72.9	73.6	71.1	68.8	69.4	73.7	70.8	65.7	68.2
Florida	237.9	252.6	276.1	293.8	311.4	329.2	322.5	322.7	351.3	380.6	375.9	339.4	354.0
Georgia	378.9	403.9	431.5	438.9	452.9	477.6	467.1	461.7	476.6	494.5	483.7	439.3	476.3
Hawaii	25.2	24.5	24.2	24.7	23.8	25.2	25.6	25.2	24.9	23.8	22.7	23.7	23.4
Idaho	31.8	33.3	35.6	35.3	37.9	39.9	40.3	41.2	43.6	46.9	48.0	47.8	52.0
Illinois	1 253.3	1 318.4	1 410.5	1 409.6	1 404.0	1 417.4	1 358.6	1 282.4	1 284.2	1 353.5	1 345.1	1 199.8	1 215.2
Indiana	630.9	673.6	719.7	716.0	722.9	752.3	710.2	683.4	709.4	758.2	737.2	647.2	685.1
Iowa	183.5	192.9	212.1	219.3	223.1	225.4	216.0	209.8	222.9	241.3	249.9	230.4	234.0
Kansas	123.1	124.7	142.3	149.3	151.0	150.6	137.2	132.5	145.7	164.5	169.2	164.2	166.6
Kentucky	194.0	207.8	228.6	234.2	242.9	250.4	255.4	253.3	268.3	288.3	290.9	259.7	273.3
Louisiana	155.4	161.1	168.3	176.7	181.9	184.6	179.0	177.7	183.2	190.5	192.5	186.2	195.4
Maine	104.0	108.0	115.0	116.3	118.0	115.7	110.4	102.7	102.4	104.5	105.1	96.3	102.5
Maryland	258.2	264.8	279.8	283.3	280.6	281.7	271.4	252.4	248.8	257.0	254.5	230.0	232.4
Massachusetts	649.9	668.2	699.1	700.8	689.5	681.5	648.2	605.7	610.2	634.7	639.3	577.8	593.6
Michigan	1 032.0	1 112.4	1 179.6	1 148.8	1 172.5	1 203.8	1 081.1	1 059.2	1 097.4	1 178.8	1 114.0	983.7	1 061.7
Minnesota	246.4	261.6	287.4	302.2	314.7	331.4	318.7	298.8	310.2	331.2	340.7	313.0	321.7
Mississippi	140.4	153.0	166.6	167.4	175.5	182.5	182.1	189.5	207.7	221.0	220.0	201.8	218.9
Missouri	405.7	420.1	448.7	457.4	462.7	465.7	449.4	430.3	441.5	459.7	451.6	405.3	424.9
Montana	21.4	22.1	22.9	22.4	23.2	24.1	23.9	23.9	24.5	24.8	24.5	22.1	23.7
Nebraska	67.2	68.7	74.7	79.7	82.8	86.2	84.5	82.6	85.0	90.5	93.4	85.4	87.9
Nevada	6.9	7.1	7.1	6.8	7.1	8.2	8.6	8.8	9.8	11.8	12.3	12.2	13.0
New Hampshire	85.6	89.8	96.0	97.6	99.7	97.9	91.6	86.3	90.8	96.0	94.2	85.1	94.5
New Jersey	806.7	837.5	879.3	882.8	893.7	892.5	860.7	818.3	823.3	842.6	825.9	747.9	756.2
New Mexico	17.9	17.6	18.6	18.3	18.5	20.7	21.4	22.6	26.1	28.9	29.6	28.6	30.3
New York	1 794.8	1 838.1	1 894.5	1 885.7	1 879.0	1 870.8	1 760.6	1 633.5	1 602.2	1 619.1	1 574.6	1 421.9	1 438.9
North Carolina	557.1	590.6	638.1	657.5	686.1	714.0	713.0	716.2	756.8	796.9	789.6	715.5	756.3
North Dakota	8.4	8.7	8.9	8.6	8.9	9.0	9.9	10.2	10.8	12.6	14.7	16.2	16.2
Ohio	1 259.1	1 326.0	1 404.4	1 401.4	1 433.5	1 471.0	1 409.9	1 333.8	1 346.8	1 426.3	1 416.6	1 267.5	1 295.3
Oklahoma	96.6	103.0	113.3	116.4	121.7	129.9	134.1	132.7	141.1	151.9	156.7	150.7	156.1
Oregon	151.7	158.2	167.2	165.4	173.7	180.5	172.3	174.3	184.2	196.9	197.1	182.3	193.7
Pennsylvania	1 434.8	1 494.1	1 565.3	1 562.4	1 570.0	1 588.9	1 528.8	1 438.1	1 444.0	1 480.1	1 464.5	1 334.8	1 335.2
Rhode Island	116.0	121.0	127.6	127.4	127.4	127.9	120.9	115.2	121.0	125.6	126.0	112.7	122.9
South Carolina	277.7	293.0	313.7	319.0	327.3	341.5	340.3	337.2	354.3	374.9	375.9	339.9	371.0
South Dakota	13.3	13.5	14.3	15.4	15.9	15.9	15.8	16.5	18.4	19.8	20.9	19.8	22.2
Tennessee	361.5	386.6	424.2	434.8	454.3	469.0	463.8	459.5	489.2	519.4	513.3	459.0	486.1
Texas	540.5	572.1	622.1	661.9	709.4	750.2	734.3	710.5	738.7	790.2	831.3	815.9	862.3
Utah	52.5	50.0	51.2	50.9	51.9	54.8	56.0	56.5	60.5	65.1	70.4	67.5	70.7
Vermont	34.7	38.6	43.4	44.2	43.7	43.4	40.5	37.9	38.5	41.6	42.8	39.5	41.0
Virginia	308.6	322.5	340.0	346.0	362.7	371.0	366.0	366.2	387.8	401.8	401.9	371.5	387.7
Washington	219.3	227.0	265.2	277.1	286.9	278.5	239.5	214.7	224.1	244.2	253.6	244.0	247.4
West Virginia	126.2	129.2	133.0	133.2	132.4	131.0	126.5	122.9	123.3	129.0	132.1	121.1	124.4
Wisconsin	469.6	491.9	508.6	508.7	510.3	520.9	500.9	479.6	495.4	531.7	546.1	507.0	519.4
Wyoming	7.7	7.1	6.8	7.1	6.8	7.4	7.4	7.5	7.9	8.4	8.4	8.3	8.4
Puerto Rico	0.0	...	...	...	...	...	...	...	...	...	...	...	...
Virgin Islands .....	...	...	...	...	...	...	...	...	...	...	...	3.1	3.1

... = Not available.

Table 2-32. Employees on Government Payrolls by State, NAICS Basis, 1990–2003

(Thousands of people.)

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Alabama	326.7	332.6	337.9	340.7	346.0	343.2	342.9	346.2	347.1	350.8	351.7	352.0	354.6	358.8
Alaska	71.0	71.6	73.3	74.6	73.8	72.7	73.0	73.2	73.6	74.4	78.9	80.6	81.6	
Arizona	258.9	271.1	276.7	286.6	294.3	310.4	317.8	328.2	341.4	354.1	366.6	377.8	390.4	393.7
Arkansas	159.2	163.2	167.1	169.7	172.9	177.1	180.2	183.3	185.1	187.4	190.7	193.7	195.4	197.8
California	2 074.8	2 090.6	2 095.6	2 080.6	2 093.2	2 107.0	2 113.3	2 140.7	2 166.1	2 239.3	2 318.1	2 382.0	2 447.1	2 426.5
Colorado	276.8	283.3	291.0	296.7	299.3	303.7	308.7	315.6	322.3	328.4	337.0	344.1	355.4	356.8
Connecticut	210.3	207.6	207.3	210.7	217.2	220.8	222.8	225.7	227.7	235.1	241.8	244.4	249.3	246.4
Delaware	47.9	48.0	48.6	49.6	50.3	50.7	52.4	53.1	54.3	55.1	56.6	56.9	57.1	57.4
District of Columbia	277.3	281.2	285.8	285.2	270.4	254.8	240.4	233.1	225.8	222.4	223.9	226.1	231.7	231.2
Florida	846.6	859.3	870.1	881.6	910.5	918.3	928.3	942.1	954.8	965.6	1 001.7	1 023.4	1 039.2	1 055.5
Georgia	531.9	536.6	537.1	548.1	564.0	570.3	569.5	577.3	586.0	589.6	597.2	610.3	624.8	632.5
Hawaii	105.6	108.9	111.1	111.5	111.8	111.4	110.5	111.7	112.1	112.7	114.6	114.5	117.9	119.2
Idaho	81.3	84.3	88.1	90.4	92.9	95.7	97.0	100.0	102.6	105.2	108.8	110.1	112.0	112.8
Illinois	765.9	770.5	773.8	774.4	786.0	798.6	809.3	808.3	816.0	825.5	839.6	850.4	861.0	855.9
Indiana	378.5	379.9	387.5	391.3	390.6	391.6	391.0	391.9	399.1	402.6	410.3	410.0	417.0	422.7
Iowa	218.9	220.6	221.0	222.4	226.9	230.2	232.8	234.6	236.1	239.4	243.3	245.2	244.0	244.8
Kansas	214.4	218.9	225.7	229.5	233.3	236.7	233.5	235.5	239.8	239.6	244.9	248.1	250.8	250.1
Kentucky	260.2	267.3	273.2	276.5	280.5	286.8	288.8	290.8	294.6	301.1	305.1	310.7	314.8	311.6
Louisiana	326.1	332.3	339.5	341.9	351.4	358.3	361.8	364.1	367.2	370.3	373.4	373.7	374.9	379.6
Maine	95.7	95.8	95.7	95.3	94.1	93.2	92.8	92.9	94.6	96.6	99.5	102.0	103.1	103.5
Maryland	419.3	416.3	414.7	417.3	420.1	421.7	420.6	420.7	431.8	438.9	444.9	452.3	461.0	462.9
Massachusetts	402.1	389.9	382.5	387.4	389.9	395.0	399.9	404.5	411.5	417.4	424.5	430.1	426.5	416.6
Michigan	633.9	635.8	639.0	639.4	639.0	640.9	643.8	647.4	656.0	667.6	681.6	686.3	686.6	681.4
Minnesota	337.7	341.8	346.1	352.0	359.5	377.8	379.5	379.6	381.2	387.4	398.4	400.1	404.8	402.4
Mississippi	203.3	203.9	207.8	210.1	213.7	214.6	216.8	219.0	223.4	227.0	233.8	237.5	240.1	243.5
Missouri	369.7	370.6	370.6	376.8	384.9	389.9	400.7	412.8	414.1	421.3	426.2	424.7	427.0	427.5
Montana	71.3	71.8	74.2	74.1	76.3	76.9	77.0	77.4	78.5	78.8	80.3	84.1	84.9	85.6
Nebraska	143.4	145.6	147.6	149.0	151.6	150.8	151.4	152.2	150.9	151.4	154.4	156.8	158.9	160.0
Nevada	75.6	81.2	86.0	88.5	92.2	96.5	101.1	106.5	111.7	117.4	121.7	126.8	130.8	134.9
New Hampshire	72.6	72.4	73.1	74.3	76.1	76.2	77.9	78.8	79.7	81.5	83.5	85.8	88.3	89.8
New Jersey	576.7	571.5	571.8	570.6	573.3	573.3	570.6	570.2	571.6	577.5	588.8	602.6	613.5	624.3
New Mexico	149.7	152.2	156.0	159.1	163.0	166.4	171.4	176.9	178.4	180.2	183.0	185.5	190.9	195.3
New York	1 473.4	1 445.1	1 428.0	1 433.3	1 436.0	1 416.5	1 400.6	1 406.9	1 424.0	1 445.3	1 467.7	1 467.8	1 492.6	1 485.8
North Carolina	491.9	501.7	502.4	527.0	538.6	550.5	561.3	576.3	593.6	604.2	622.2	636.0	641.5	644.6
North Dakota	65.4	65.6	66.7	67.1	67.2	71.1	70.8	70.7	71.0	71.8	73.0	73.4	74.2	75.5
Ohio	722.2	727.9	735.0	735.5	741.0	748.7	752.2	757.8	763.4	772.1	785.0	794.0	800.2	801.5
Oklahoma	261.8	264.9	270.1	269.7	270.1	269.6	271.4	276.2	278.2	282.6	287.7	296.4	300.9	291.9
Oregon	223.5	226.4	231.0	232.6	234.7	240.2	246.6	249.5	255.3	261.3	267.3	270.0	272.9	268.0
Pennsylvania	699.0	694.6	692.6	701.7	706.3	711.9	712.5	714.6	711.5	715.6	725.1	728.3	738.9	743.2
Rhode Island	62.4	60.9	61.2	61.4	61.6	61.2	61.3	63.2	62.9	63.3	64.3	65.2	66.1	66.5
South Carolina	282.1	285.6	291.9	295.7	295.3	294.2	294.6	298.8	309.4	315.3	322.8	322.8	325.5	329.0
South Dakota	62.7	63.4	65.4	66.6	67.1	71.0	70.4	70.5	71.0	71.9	70.3	73.1	74.0	74.4
Tennessee	351.4	353.1	356.8	361.9	370.7	373.1	381.6	380.3	385.5	390.1	399.0	403.2	410.3	412.1
Texas	1 263.4	1 287.5	1 334.4	1 376.0	1 413.7	1 445.7	1 457.7	1 483.3	1 504.2	1 534.8	1 561.9	1 586.2	1 626.0	1 647.9
Utah	150.5	153.9	156.8	159.4	161.4	163.5	166.8	172.3	176.7	179.5	185.4	190.1	195.0	197.1
Vermont	43.5	43.8	43.7	44.0	44.7	45.1	45.4	45.7	46.2	47.6	49.4	50.2	50.8	51.9
Virginia	578.3	580.5	589.3	597.8	603.1	597.5	596.2	596.6	602.0	611.2	624.7	629.2	634.9	638.6
Washington	397.5	411.5	423.6	430.0	437.2	444.4	450.5	457.9	465.9	474.2	483.3	505.4	516.1	521.4
West Virginia	127.4	127.7	132.3	132.8	136.5	136.4	138.7	139.1	140.8	140.9	143.1	141.0	142.8	142.3
Wisconsin	342.9	346.4	356.9	361.5	367.1	378.7	383.5	386.7	393.2	398.9	405.6	413.7	414.8	411.8
Wyoming	55.2	55.7	56.8	57.2	58.1	57.7	58.1	58.0	58.4	59.4	60.7	61.5	62.7	63.5
Puerto Rico	294.6	290.6	295.8	290.0	300.1	304.6	316.5	310.1	307.5	291.3	286.2	282.4	295.4	302.7
Virgin Islands	13.5	13.4	13.8	13.9	13.8	13.6	14.0	13.7	13.7	13.4	13.0	12.3	12.6	12.6

Table 2-33. Employees on Government Payrolls by State, SIC Basis, 1964–1989

(Thousands of people.)

State	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976
Alabama	173.3	179.1	191.6	197.7	201.4	204.7	209.5	213.6	220.9	225.7	235.1	247.5	252.9
Alaska	28.1	29.7	30.8	31.8	32.2	33.3	35.6	37.9	40.5	41.5	43.8	47.7	48.2
Arizona	85.3	92.2	98.9	104.7	110.0	113.4	119.5	129.5	139.2	147.6	161.0	169.7	177.3
Arkansas	76.5	84.9	91.6	93.4	97.0	100.9	102.7	104.9	108.5	110.1	115.6	120.9	125.3
California	1 043.5	1 105.4	1 196.7	1 274.3	1 335.8	1 391.7	1 424.7	1 446.3	1 492.7	1 524.8	1 586.0	1 670.6	1 695.6
Colorado	132.0	137.7	148.2	157.7	162.4	166.9	177.2	184.7	190.8	197.2	204.0	216.6	219.5
Connecticut	109.0	115.9	122.5	131.5	140.0	150.9	157.9	160.9	165.2	167.7	171.0	178.7	175.1
Delaware	23.9	25.0	26.3	27.9	29.3	31.9	35.0	36.8	39.0	39.2	39.1	40.3	40.6
Florida	278.7	301.2	326.2	342.3	361.8	377.9	397.8	419.1	437.9	469.9	510.5	546.0	542.8
Georgia	210.8	222.8	243.9	263.0	275.3	286.1	297.5	309.6	320.9	328.2	340.5	354.8	366.1
Hawaii	47.2	50.5	54.9	58.3	60.9	62.5	64.3	68.4	69.3	68.0	68.7	70.8	72.6
Idaho	38.1	39.6	41.9	44.3	45.2	46.8	49.1	51.3	54.5	56.2	59.7	62.3	64.5
Illinois	475.0	502.4	536.5	572.0	593.4	615.6	638.9	648.6	654.3	666.5	680.9	714.5	717.2
Indiana	219.2	232.2	254.1	271.4	285.3	280.9	286.4	296.3	301.4	303.8	308.0	323.3	332.5
Iowa	133.1	138.8	148.8	157.1	163.8	171.7	176.0	178.3	180.2	182.8	186.7	192.0	197.0
Kansas	126.2	130.2	137.0	143.2	146.0	149.6	153.3	155.1	162.8	166.5	164.0	168.7	171.6
Kentucky	128.4	135.2	145.2	155.5	163.3	166.1	172.1	180.5	188.5	194.3	198.5	208.3	213.0
Louisiana	163.4	171.7	185.4	197.4	201.8	208.2	213.2	216.0	227.9	233.2	241.6	248.7	253.0
Maine	52.9	54.3	57.4	59.5	61.6	64.3	66.4	68.7	69.4	70.7	72.9	74.8	75.2
Maryland	174.1	183.8	201.9	218.2	232.3	243.2	301.0	314.9	327.0	338.1	349.1	366.1	372.1
Massachusetts	272.7	278.5	286.2	297.1	302.5	310.7	319.9	330.6	343.1	351.6	354.3	365.1	375.8
Michigan	373.3	395.4	433.0	455.0	471.3	494.5	506.6	509.4	526.8	534.4	562.5	583.1	594.5
Minnesota	179.3	189.9	201.6	214.1	215.4	224.1	234.9	239.7	246.2	256.6	263.8	271.5	276.0
Mississippi	99.5	105.2	114.3	120.6	125.1	128.0	131.2	133.7	139.4	145.0	150.4	153.5	156.2
Missouri	210.6	225.4	244.7	260.3	269.1	276.1	284.1	292.9	297.5	306.9	312.9	316.0	316.5
Montana	44.7	45.9	48.1	51.8	53.3	52.1	52.6	54.3	55.4	55.4	58.2	64.9	65.7
Nebraska	89.1	92.5	93.3	97.6	97.4	100.9	104.7	109.1	114.3	116.9	121.4	124.7	124.3
Nevada	26.4	28.6	30.3	32.3	34.1	35.8	36.9	38.1	39.7	41.4	43.0	45.6	46.8
New Hampshire	29.0	30.1	31.4	33.4	34.4	35.5	37.3	38.8	41.2	43.4	45.6	48.0	49.9
New Jersey	280.0	295.4	312.0	329.2	344.4	360.1	374.8	388.0	405.3	417.1	439.9	470.2	480.5
New Mexico	71.8	75.4	81.0	83.4	85.0	86.3	89.2	92.3	96.0	99.5	102.5	104.8	108.0
New York	924.1	958.6	1 012.4	1 073.1	1 123.8	1 176.0	1 218.1	1 239.8	1 243.9	1 268.6	1 301.9	1 328.7	1 273.6
North Carolina	192.7	201.6	217.4	231.6	244.4	254.3	264.2	268.4	275.3	281.8	303.2	328.3	347.9
North Dakota	38.8	40.3	42.1	44.4	47.2	48.4	49.3	49.3	51.3	52.2	53.3	54.5	56.2
Ohio	440.3	458.6	483.0	509.5	528.3	544.8	565.5	577.2	589.1	597.8	613.1	626.4	632.2
Oklahoma	136.9	145.8	158.8	168.2	171.9	175.5	176.7	179.0	184.9	192.2	199.0	206.3	207.0
Oregon	111.3	118.2	125.3	132.4	136.1	140.8	146.7	152.0	157.5	160.3	168.5	177.1	181.6
Pennsylvania	488.6	508.4	536.1	567.2	588.1	609.4	618.7	629.2	651.9	658.7	682.0	721.4	722.1
Rhode Island	43.4	46.1	48.7	51.2	52.3	52.8	53.6	55.9	56.8	55.5	55.1	56.6	57.0
South Carolina	106.8	111.1	121.0	128.4	134.0	140.8	149.9	156.7	165.6	170.7	182.2	199.8	203.3
South Dakota	44.4	46.6	48.2	49.3	50.3	53.0	53.1	52.6	53.7	53.8	54.9	55.7	55.9
Tennessee	173.3	185.1	195.3	201.8	208.2	214.2	225.9	231.9	240.6	246.2	256.4	271.3	283.1
Texas	500.0	525.6	567.1	607.1	630.1	651.4	662.3	684.2	714.8	745.3	776.0	815.8	847.0
Utah	73.7	79.4	90.7	98.0	98.8	99.6	100.1	103.2	105.5	105.7	108.2	110.3	112.2
Vermont	19.5	20.3	21.2	22.3	23.4	24.4	26.2	27.2	28.2	28.7	29.3	30.5	30.9
Virginia	221.2	232.2	251.2	270.5	283.6	292.4	355.1	371.9	380.0	391.2	405.9	422.8	436.6
Washington	184.6	193.1	206.2	218.5	230.1	237.4	244.5	252.4	258.7	259.0	269.3	280.5	284.8
West Virginia	75.3	81.7	88.5	92.1	94.9	95.0	95.9	98.0	99.4	104.2	106.4	108.1	109.6
Wisconsin	190.4	201.0	215.2	230.3	244.6	255.3	265.5	270.2	275.8	276.3	276.9	285.4	288.6
Wyoming	24.6	25.6	26.9	28.4	28.1	28.1	28.4	29.4	30.5	31.3	32.4	34.5	36.1
Puerto Rico .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Virgin Islands .....	...	...	...	...	...	...	...	...	...	...	...	11.7	11.3

... = Not available.

Table 2-33. Employees on Government Payrolls by State, SIC Basis, 1964-1989—Continued

(Thousands of people.)

State	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Alabama	266.3	285.9	291.6	297.4	291.3	290.1	292.7	293.4	295.9	298.0	300.6	309.5	317.9
Alaska	50.1	51.6	54.4	55.0	57.1	59.6	63.0	66.5	68.3	68.0	65.8	66.5	68.7
Arizona	181.9	194.8	196.2	201.8	199.5	199.9	203.1	207.5	218.1	225.0	232.0	237.2	246.4
Arkansas	128.6	135.9	139.1	141.1	138.1	136.0	137.3	139.5	143.0	145.1	146.1	150.0	154.2
California	1 740.7	1 753.1	1 735.0	1 763.9	1 756.4	1 735.2	1 724.3	1 747.4	1 792.8	1 838.8	1 883.7	1 934.1	1 998.7
Colorado	221.1	234.0	238.8	243.6	241.7	238.6	240.7	244.4	248.9	256.0	262.2	266.7	271.4
Connecticut	175.6	179.2	181.3	¹ 185.2	182.4	179.6	181.9	185.2	188.8	195.3	201.2	206.3	207.7
Delaware	41.4	42.8	44.4	45.2	44.5	43.8	43.4	43.7	44.8	46.1	46.6	47.5	47.1
Florida	565.7	601.8	600.5	618.8	620.1	632.5	639.3	649.5	674.4	701.9	731.8	773.0	800.1
Georgia	384.0	407.9	418.7	429.2	431.1	434.0	437.6	442.0	448.7	462.2	476.6	494.1	512.2
Hawaii	73.0	73.8	73.4	75.5	75.4	76.5	77.4	77.8	79.0	79.2	80.8	83.5	85.0
Idaho	67.3	69.8	69.6	70.5	69.2	67.8	67.8	68.9	70.2	70.9	73.3	76.0	77.9
Illinois	717.8	728.0	739.8	749.4	734.5	717.9	701.6	687.9	697.8	714.8	724.5	738.8	744.4
Indiana	342.0	349.1	347.6	346.6	339.7	328.7	327.0	328.1	332.9	339.7	347.2	354.5	366.6
Iowa	202.5	208.2	204.5	207.4	203.1	202.0	203.4	204.5	206.8	207.3	210.2	212.1	216.7
Kansas	176.9	180.0	183.3	187.4	185.9	183.8	182.9	185.2	188.7	194.1	199.0	204.4	209.1
Kentucky	212.0	220.3	230.4	230.9	224.3	218.9	216.6	223.0	230.0	236.0	240.2	246.1	253.3
Louisiana	257.4	280.3	289.7	300.8	303.8	307.3	315.0	318.6	322.4	319.3	313.1	312.6	315.7
Maine	77.7	81.5	82.6	83.3	82.6	82.1	83.1	83.9	84.9	86.7	88.4	91.6	94.1
Maryland	378.1	401.9	418.7	434.8	415.9	393.2	379.6	387.9	393.6	391.6	392.9	399.1	411.3
Massachusetts	407.9	429.2	416.7	412.3	394.6	374.7	375.4	375.4	385.3	393.0	401.2	411.3	408.8
Michigan	596.7	611.4	621.0	627.8	598.4	577.8	569.8	567.2	580.7	598.6	611.6	623.5	623.2
Minnesota	286.3	292.8	295.6	300.6	299.0	289.6	286.6	293.7	301.2	307.9	313.8	320.8	328.7
Mississippi	163.9	181.8	192.2	194.5	185.9	180.0	181.1	183.2	188.5	189.5	191.1	196.0	199.8
Missouri	321.5	335.6	338.5	339.2	326.6	328.2	323.2	321.8	334.1	338.5	344.0	351.8	359.3
Montana	70.0	71.7	70.1	70.2	69.3	67.4	68.4	68.7	69.9	70.2	69.4	70.7	70.3
Nebraska	129.2	130.3	130.6	130.8	129.7	129.3	130.2	131.1	133.8	134.9	135.3	137.8	139.7
Nevada	49.2	52.2	54.7	57.0	57.1	58.2	58.0	58.9	60.5	61.6	64.1	67.0	70.8
New Hampshire	¹ 53.8	54.3	¹ 55.1	57.3	56.7	55.9	56.1	57.5	60.0	62.0	65.4	68.7	71.2
New Jersey	504.0	523.0	517.8	529.7	529.0	528.6	525.9	526.6	536.0	540.8	547.1	556.2	564.2
New Mexico	111.0	116.6	120.5	125.0	125.8	125.6	127.2	129.7	132.8	135.9	137.6	141.6	144.9
New York	1 270.8	1 315.1	1 311.3	1 314.4	1 300.3	1 293.7	1 299.6	1 318.2	1 353.6	1 382.3	1 402.1	1 433.2	1 447.6
North Carolina	367.6	386.4	397.2	409.9	403.7	400.3	407.1	413.7	420.5	430.9	442.3	458.7	477.2
North Dakota	57.5	60.0	60.6	60.9	60.5	60.3	61.3	62.2	63.6	64.4	64.6	64.8	65.6
Ohio	642.3	667.5	674.0	689.9	676.0	659.6	656.1	655.2	665.2	678.9	687.3	693.8	706.4
Oklahoma	212.4	218.4	224.0	228.5	235.7	237.2	245.2	241.4	245.7	246.8	245.4	248.5	257.2
Oregon	186.8	197.1	200.7	203.2	202.6	195.5	192.3	194.1	197.7	200.2	205.6	211.2	215.6
Pennsylvania	710.9	720.7	720.7	723.3	703.4	682.5	673.7	672.9	680.2	679.8	688.7	694.6	697.9
Rhode Island	58.2	59.8	59.3	59.2	58.5	57.8	56.9	57.4	57.7	58.0	58.2	58.9	59.1
South Carolina	213.7	223.8	228.8	236.4	233.0	228.1	230.3	237.3	244.8	251.4	258.0	261.5	273.1
South Dakota	56.6	58.1	58.3	58.6	57.8	56.6	56.9	57.2	57.9	58.8	58.9	60.1	61.6
Tennessee	291.2	305.6	313.9	317.2	311.7	297.5	294.1	296.1	304.2	312.4	321.2	328.4	344.3
Texas	875.5	923.7	953.2	978.1	1 000.8	1 023.6	1 042.0	1 063.5	1 088.9	1 118.8	1 142.7	1 175.5	1 206.6
Utah	115.8	121.0	123.2	125.0	125.1	126.4	128.8	131.5	137.8	141.2	141.5	142.7	146.3
Vermont	¹ 34.3	35.1	35.8	37.0	36.2	36.0	36.3	36.5	37.4	38.2	39.0	40.9	42.0
Virginia	453.6	482.7	493.5	511.2	506.6	500.1	500.9	505.0	515.6	519.9	530.3	544.4	562.6
Washington	294.9	308.0	315.5	330.8	326.4	318.5	¹ 324.0	334.5	342.8	348.9	357.2	368.8	379.9
West Virginia	111.0	120.3	130.1	133.1	130.2	126.8	127.8	130.7	127.5	128.9	128.2	129.3	125.9
Wisconsin	287.1	298.2	310.1	321.1	318.0	314.1	312.5	314.7	320.6	325.6	325.0	327.8	335.0
Wyoming	38.0	39.1	40.8	43.0	44.5	46.0	48.9	50.9	52.2	53.1	50.5	¹ 54.1	54.3
Puerto Rico .....	...	...	246.0	254.4	244.6	236.7	240.1	253.2	255.4	267.7	281.2	298.5	298.1
Virgin Islands	11.9	12.8	13.5	13.4	13.9	13.5	14.0	13.8	13.5	13.1	12.8	13.2	13.6

¹Data not continuous.
... = Not available.

Table 2-34. Average Weekly Hours of Production Workers on Manufacturing Payrolls by State, NAICS Basis, 2001–2003

(Hours.)

State	2001	2002	2003
Alabama	41.0	41.4	41.0
Alaska	43.1	37.4	42.8
Arizona	40.3	40.0	40.4
Arkansas	39.9	39.7	39.6
California	39.6	39.6	39.7
Colorado	40.7	40.6	40.4
Connecticut	41.7	41.6	41.4
Delaware	39.7	40.0	40.3
District of Columbia .....	...	...	...
Florida	40.6	42.1	41.0
Georgia	40.4	40.9	39.8
Hawaii	36.0	35.6	37.2
Idaho	39.1	39.6	41.3
Illinois	41.0	41.4	40.6
Indiana	41.0	42.4	42.1
Iowa	40.9	41.3	41.7
Kansas	40.7	40.8	40.4
Kentucky	41.5	42.2	41.7
Louisiana	43.1	43.9	44.1
Maine	39.8	39.9	40.0
Maryland	39.0	40.0	39.5
Massachusetts	40.3	40.8	40.6
Michigan	41.9	42.7	42.1
Minnesota	39.6	39.7	40.2
Mississippi	39.7	40.6	39.9
Missouri	40.3	39.3	40.5
Montana	38.8	38.2	38.4
Nebraska	41.2	41.9	41.6
Nevada	38.7	38.8	39.0
New Hampshire	40.6	39.8	40.0
New Jersey	40.6	40.9	41.0
New Mexico	39.0	39.9	39.4
New York	39.8	40.3	40.0
North Carolina	39.4	40.2	39.8
North Dakota	40.9	40.2	40.0
Ohio	41.2	41.4	41.0
Oklahoma	39.4	39.2	39.3
Oregon	39.1	39.1	39.3
Pennsylvania	40.4	40.3	40.0
Rhode Island	39.4	38.7	39.3
South Carolina	41.2	42.1	41.3
South Dakota	41.7	42.3	42.6
Tennessee	38.9	40.1	39.8
Texas	41.6	41.1	41.4
Utah	38.4	37.8	39.7
Vermont	39.6	40.0	40.0
Virginia	40.1	40.8	40.8
Washington	40.0	40.1	39.5
West Virginia	41.1	41.4	41.3
Wisconsin	40.2	40.5	40.3
Wyoming	38.6	39.3	40.2
Puerto Rico	39.9	40.6	41.0
Virgin Islands	43.9	43.7	42.8

... = Not available.

Table 2-35. Average Weekly Hours of Production Workers on Manufacturing Payrolls by State, SIC Basis, 1973–2000

(Thousands of people.)

State	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	41.0	40.5	39.5	40.6	40.5	40.6	40.7	40.1	39.9	38.5	40.7	41.0	40.8	41.1
Alaska	36.6	40.5	36.6	40.5	43.3	42.4	43.9	42.7	40.0	38.6	36.2	39.3	40.7	41.1
Arizona	39.8	39.2	39.0	39.5	40.1	40.3	40.6	40.1	39.6	38.9	40.5	40.8	40.9	41.0
Arkansas	39.9	39.2	38.8	39.6	39.7	39.3	39.6	39.3	39.4	38.6	40.1	40.5	40.2	40.4
California	40.3	39.7	39.4	39.7	40.1	40.1	39.9	39.5	39.6	39.2	40.0	40.3	40.2	40.3
Colorado .....	...	...	...	...	39.4	39.3	39.5	39.8	39.8	39.2	39.9	40.9	40.2	39.9
Connecticut	42.1	41.4	40.5	40.8	41.5	42.0	42.0	41.8	41.6	40.5	41.3	42.5	41.9	41.8
Delaware	40.3	39.4	39.3	40.0	39.6	40.0	39.5	40.5	40.3	39.2	40.6	41.5	41.1	41.3
Florida	41.0	40.2	40.0	40.4	40.7	40.9	40.5	40.8	40.6	39.9	40.7	41.2	41.3	40.8
Georgia	40.5	39.8	39.5	40.1	40.5	40.1	40.4	40.2	40.1	38.6	41.1	41.0	40.6	40.9
Hawaii	39.9	39.4	39.1	39.0	38.0	38.6	38.3	37.8	38.5	37.9	38.6	38.1	37.4	38.9
Idaho	38.8	39.0	38.8	38.7	39.3	38.8	38.3	37.1	37.8	36.7	37.4	37.6	37.8	38.2
Illinois	41.2	40.4	39.7	40.4	40.6	40.1	40.7	39.8	40.0	39.2	40.6	40.6	40.6	40.9
Indiana	0.0	0.0	...	...	...	...	...	...	...	...	...	...	...	...
Iowa .....	...	...	...	39.9	40.1	40.1	40.5	39.6	39.5	38.7	39.8	40.2	40.2	40.6
Kansas .....	...	...	...	...	...	...	40.7	40.4	40.4	39.2	39.1	40.1	39.5	40.3
Kentucky	40.3	39.6	38.7	39.4	39.5	39.6	39.4	39.1	39.3	38.4	39.2	39.2	38.9	39.2
Louisiana	41.4	40.1	42.8	41.3	41.8	41.6	41.3	41.2	42.2	41.0	40.0	41.6	41.7	41.8
Maine	40.8	40.3	39.9	39.9	39.8	40.2	40.1	40.0	40.4	40.0	39.9	39.9	40.0	40.6
Maryland	40.5	39.9	39.1	39.6	39.9	39.9	40.0	39.6	39.9	39.2	40.0	41.0	40.3	40.5
Massachusetts	40.5	39.9	39.1	39.7	39.9	40.2	40.1	39.6	40.0	39.2	39.9	40.1	40.7	41.3
Michigan .....	...	...	...	42.7	43.3	43.0	41.2	40.1	40.5	40.2	42.5	43.2	43.1	42.6
Minnesota	41.0	39.9	39.2	39.8	40.0	40.2	40.0	39.4	39.4	39.1	39.7	40.3	40.3	40.6
Mississippi	40.3	39.3	39.3	40.0	40.1	39.9	39.6	39.3	39.3	38.1	40.1	40.6	40.6	40.2
Missouri	39.8	39.3	39.0	39.8	40.2	40.0	39.5	39.2	39.2	38.6	39.9	40.5	40.2	40.5
Montana	39.3	38.8	38.0	39.8	41.8	42.7	42.9	43.2	41.0	39.3	39.7	39.2	39.1	39.4
Nebraska	41.8	41.2	40.5	41.1	40.8	41.1	41.3	40.6	40.3	39.9	40.3	40.5	40.3	40.4
Nevada	40.0	38.8	38.2	38.9	38.8	38.5	38.5	38.2	38.6	37.3	38.8	39.8	40.4	40.2
New Hampshire	39.8	39.3	39.1	39.6	40.0	40.3	40.1	39.8	39.9	39.6	40.5	41.0	40.7	41.2
New Jersey	41.4	40.7	39.9	40.4	41.1	40.8	41.2	40.7	40.6	39.9	40.6	41.1	40.8	41.2
New Mexico	39.4	38.4	39.0	39.5	38.8	39.2	39.5	39.8	39.5	39.2	39.7	39.9	39.8	39.5
New York	39.9	39.4	38.9	39.4	39.6	39.8	39.6	39.4	39.4	38.8	39.3	39.8	39.8	39.9
North Carolina	40.1	39.1	38.4	39.4	39.6	39.8	39.6	39.3	39.1	37.3	40.0	39.9	39.6	40.7
North Dakota	40.4	40.2	39.9	39.1	38.6	39.7	39.1	37.5	38.1	37.6	38.0	38.4	38.6	38.2
Ohio	42.3	41.2	40.3	41.4	42.0	42.1	41.5	40.6	40.9	40.1	41.4	42.3	42.0	42.1
Oklahoma	40.6	40.5	40.0	40.3	40.4	40.2	40.5	40.1	40.1	39.5	40.5	41.6	41.3	41.3
Oregon	39.3	38.8	38.4	38.9	38.6	39.0	38.5	38.1	37.5	37.9	38.9	39.2	38.7	39.0
Pennsylvania	40.2	39.6	38.8	39.2	39.5	40.0	39.9	38.8	39.2	38.4	39.2	40.2	39.9	40.2
Rhode Island	39.3	39.2	38.9	¹ 39.5	39.1	38.9	39.1	39.3	39.3	38.6	39.0	40.9	40.2	40.4
South Carolina	40.5	39.8	39.4	40.4	40.6	40.8	40.8	40.3	40.4	38.2	40.6	40.8	40.4	41.1
South Dakota	42.6	41.7	40.7	39.9	39.3	41.7	41.9	40.9	41.6	41.1	41.6	42.1	41.8	42.1
Tennessee	40.4	39.9	39.8	40.3	40.2	39.6	39.7	39.7	39.9	38.6	40.5	40.9	41.0	41.2
Texas .....	...	...	...	40.9	41.1	41.3	41.1	41.2	41.3	40.0	40.9	41.7	41.2	41.4
Utah	38.8	38.7	38.1	39.2	40.0	39.5	39.0	39.1	39.7	38.5	39.4	39.9	40.1	40.0
Vermont	41.5	41.1	40.4	41.0	40.8	41.0	40.8	40.6	40.0	39.0	40.0	40.6	40.7	40.7
Virginia	40.6	39.8	39.2	39.9	39.9	39.8	39.7	39.3	39.7	38.4	39.7	40.3	40.1	40.4
Washington	39.2	38.9	38.7	39.1	39.2	39.3	38.6	38.4	38.8	38.5	38.9	38.8	39.0	39.4
West Virginia	40.0	39.6	39.0	39.2	39.5	39.6	39.6	39.2	39.4	38.8	39.6	40.3	39.9	40.3
Wisconsin	41.4	41.1	40.4	40.6	40.6	41.0	40.9	40.2	40.1	39.6	40.7	41.1	41.1	41.3
Wyoming	38.6	38.0	38.6	40.2	39.8	38.6	37.6	38.9	40.0	38.2	36.9	39.5	40.9	39.0
Puerto Rico .....	...	...	...	...	...	...	...	38.0	38.2	37.5	38.7	38.7	38.5	39.0
Virgin Islands .....	...	...	...	...	...	40.9	40.9	41.1	42.3	42.3	41.4	42.7	41.7	41.9

¹Data not continuous.

... = Not available.

Table 2-35. Average Weekly Hours of Production Workers on Manufacturing Payrolls by State, SIC Series, 1973–2000—Continued

(Thousands of people.)

State	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Alabama	41.4	41.4	41.2	41.0	40.8	41.2	41.2	41.9	41.6	41.7	41.9	42.2	42.1	41.9
Alaska	42.7	42.1	44.4	44.9	46.4	45.5	45.0	47.4	47.8	46.5	46.7	49.9	45.3	44.5
Arizona	40.6	41.1	41.2	40.7	40.7	40.8	40.7	42.3	42.5	42.8	41.4	40.4	40.4	40.4
Arkansas	41.0	40.9	40.8	41.0	41.2	41.4	41.4	41.8	41.0	41.5	41.4	41.7	41.7	41.0
California	40.3	40.7	40.7	40.6	40.6	40.6	40.9	41.4	41.2	41.5	41.9	41.8	41.7	41.7
Colorado	40.2	40.4	40.2	41.2	40.4	40.5	41.2	41.3	41.0	41.2	41.8	41.5	41.5	39.8
Connecticut	42.1	42.2	42.2	42.0	41.8	41.7	42.1	42.8	42.8	42.5	42.6	42.7	42.4	42.6
Delaware	40.7	40.0	41.5	41.3	40.8	40.8	42.1	42.8	41.0	40.5	41.9	42.3	43.0	43.3
Florida	40.8	40.7	40.9	40.7	40.7	40.9	41.2	41.4	41.4	41.5	41.8	41.7	41.8	41.9
Georgia	41.6	41.4	41.1	40.9	41.0	41.4	41.7	42.4	42.3	42.3	42.4	41.8	41.9	41.4
Hawaii	39.4	40.0	40.0	40.3	39.8	40.0	39.8	38.3	37.5	38.1	37.9	37.3	39.3	38.3
Idaho	38.1	38.1	38.9	38.9	39.1	39.2	40.1	40.0	39.3	39.5	40.1	38.3	39.4	39.2
Illinois	41.6	42.3	41.9	41.4	41.2	41.0	41.5	41.9	41.7	41.7	42.2	41.8	41.9	41.2
Indiana .....	...	...	41.6	41.3	41.2	42.0	42.7	43.3	42.2	42.8	43.2	42.9	42.9	42.1
Iowa	41.3	41.4	40.8	40.5	40.5	41.3	41.6	42.4	41.9	42.0	42.6	41.9	41.4	41.6
Kansas	40.8	40.7	40.2	40.3	40.3	40.9	41.6	41.6	41.1	42.4	42.3	41.9	41.1	40.6
Kentucky	40.5	40.5	40.0	40.1	40.3	40.3	40.5	41.3	41.3	41.1	41.8	41.5	41.7	42.1
Louisiana	41.8	42.5	42.6	42.9	42.7	42.6	42.5	43.4	43.2	44.2	44.1	44.0	43.3	42.8
Maine	41.5	41.0	40.2	40.1	40.0	40.2	40.8	40.6	39.8	39.9	40.6	40.6	40.8	41.3
Maryland	40.8	41.5	41.1	40.8	40.6	40.8	41.1	41.5	41.5	41.0	41.4	41.6	41.4	40.7
Massachusetts	41.0	40.7	40.7	40.7	41.0	41.0	41.3	41.6	41.7	41.8	42.3	42.0	42.0	41.9
Michigan	42.2	43.3	42.9	41.8	41.5	41.8	43.1	44.9	44.3	43.9	44.1	43.3	44.2	43.7
Minnesota	40.9	40.8	40.5	40.3	40.4	40.8	41.1	41.6	41.5	41.4	41.5	41.3	41.2	40.8
Mississippi	40.3	40.3	40.0	39.4	39.7	40.3	41.0	41.7	41.0	41.3	41.5	41.4	41.3	40.7
Missouri	40.6	40.8	40.7	40.7	40.4	40.6	41.4	42.0	41.3	41.5	41.6	41.5	41.5	41.3
Montana	38.6	38.7	39.2	39.0	39.1	38.9	38.6	39.3	39.4	39.1	39.9	39.3	39.0	38.5
Nebraska	40.5	41.1	40.7	40.8	40.4	41.1	41.5	42.1	41.5	41.6	41.3	41.9	41.9	41.4
Nevada	40.3	39.7	40.9	40.7	40.6	40.7	41.4	41.1	41.4	41.6	42.9	42.0	41.3	42.4
New Hampshire	41.2	40.7	41.2	40.8	41.2	41.6	42.1	42.3	41.6	41.8	42.0	41.3	40.6	41.1
New Jersey	41.2	41.0	41.0	41.4	41.4	41.5	41.5	41.8	41.8	41.8	42.0	41.8	41.7	42.0
New Mexico	39.7	40.5	40.0	40.7	40.1	40.0	40.9	40.9	39.9	40.2	39.8	38.6	39.0	38.0
New York	39.9	39.9	40.0	39.6	39.8	40.0	40.4	41.0	40.9	40.8	41.2	41.1	41.2	41.1
North Carolina	41.2	40.5	40.3	39.9	40.1	40.7	40.8	41.1	40.6	40.4	41.2	41.1	41.0	41.4
North Dakota	38.7	38.7	39.8	39.8	39.8	40.4	41.2	42.3	40.7	42.2	40.5	39.9	40.0	40.1
Ohio	42.6	43.0	42.7	42.4	42.2	42.2	43.0	43.9	43.4	43.3	43.6	42.9	42.9	42.9
Oklahoma	41.2	41.1	41.6	41.1	41.0	41.2	41.9	43.1	41.9	42.0	42.4	41.5	41.3	40.9
Oregon	39.2	39.3	39.4	39.3	39.4	39.5	39.5	40.4	40.1	40.2	40.9	40.7	40.4	40.0
Pennsylvania	40.9	41.1	41.0	40.7	40.4	40.8	41.2	41.6	41.3	¹ 41.2	42.0	41.9	41.8	42.2
Rhode Island	40.0	39.7	39.3	39.7	40.0	40.1	39.8	40.3	40.5	40.0	40.9	40.6	39.9	40.4
South Carolina	41.7	41.1	41.3	41.0	41.3	41.7	41.6	41.8	41.9	41.8	42.2	42.6	42.6	42.5
South Dakota	41.7	42.5	41.8	40.6	41.2	41.2	41.3	42.0	41.8	41.5	41.9	42.6	42.9	43.1
Tennessee	41.6	41.6	40.8	38.6	39.6	40.3	40.8	40.9	40.4	40.6	41.2	40.5	40.6	40.2
Texas	41.6	41.7	41.8	41.8	42.1	42.5	42.8	43.1	42.8	43.0	43.5	43.7	43.5	43.3
Utah	39.5	40.3	40.0	39.8	39.9	40.3	39.6	40.6	39.8	40.3	40.2	40.4	40.0	39.8
Vermont	40.6	40.4	40.9	40.8	40.8	41.0	41.5	40.9	40.5	40.5	40.7	39.6	39.5	40.3
Virginia	41.1	40.8	40.9	40.4	40.5	41.0	41.0	41.7	41.6	41.5	42.2	42.3	42.4	42.3
Washington	39.9	40.1	39.4	40.6	39.9	40.0	40.2	40.5	40.8	40.8	40.6	40.8	40.9	40.7
West Virginia	40.6	40.6	40.7	40.7	40.6	40.6	40.9	41.3	41.8	41.2	41.7	41.6	41.6	41.3
Wisconsin	41.4	41.8	41.5	41.4	41.4	41.8	42.0	42.7	42.1	42.2	42.4	41.8	41.9	41.5
Wyoming	38.8	¹ 38.5	39.8	39.9	38.6	38.6	38.9	40.0	39.4	40.1	40.3	40.4	39.3	38.6
Puerto Rico	38.9	39.1	39.5	39.1	39.0	39.6	39.5	39.9	39.6	38.6	39.6	40.0	41.0	40.6
Virgin Islands	42.2	40.4	41.7	42.4	41.4	42.0	43.5	42.7	41.7	41.5	42.7	40.1	43.8	44.0

¹Data not continuous.

... = Not available.

Table 2-36. Average Hourly Earnings of Production Workers on Manufacturing Payrolls by State, NAICS Basis, 2001–2003

(Dollars.)

State	2001	2002	2003
Alabama	12.76	13.10	13.56
Alaska	11.70	13.24	12.16
Arizona	13.80	14.16	14.38
Arkansas	12.90	13.30	13.55
California	14.69	14.89	15.05
Colorado	14.72	15.44	16.89
Connecticut	16.42	17.24	17.74
Delaware	16.56	16.60	16.90
District of Columbia .....	...	...	...
Florida	12.68	13.30	14.09
Georgia	12.50	13.38	14.08
Hawaii	13.18	13.07	12.90
Idaho	13.85	13.80	13.72
Illinois	14.66	14.99	15.20
Indiana	16.42	17.15	17.84
Iowa	14.67	15.32	15.70
Kansas	15.48	15.98	15.83
Kentucky	15.44	15.73	16.02
Louisiana	16.18	17.03	16.86
Maine	14.71	15.55	16.28
Maryland	14.56	15.21	15.75
Massachusetts	15.75	16.25	16.53
Michigan	19.45	20.51	21.28
Minnesota	14.76	15.06	15.43
Mississippi	11.93	12.32	12.88
Missouri	16.11	16.80	18.21
Montana	14.03	14.43	14.02
Nebraska	13.64	14.05	14.86
Nevada	13.79	14.62	14.63
New Hampshire	13.98	14.21	14.85
New Jersey	14.74	15.19	15.46
New Mexico	13.27	13.41	13.19
New York	16.24	16.75	16.78
North Carolina	12.81	13.18	13.66
North Dakota	12.77	13.17	14.04
Ohio	16.79	17.49	18.00
Oklahoma	13.66	14.11	14.13
Oregon	14.74	15.06	15.20
Pennsylvania	14.37	14.75	14.98
Rhode Island	12.68	12.75	12.88
South Carolina	13.79	14.00	14.19
South Dakota	12.11	12.60	13.13
Tennessee	12.88	13.15	13.56
Texas	14.04	13.93	13.94
Utah	13.76	14.12	14.90
Vermont	14.18	14.33	14.54
Virginia	14.49	15.25	15.88
Washington	17.96	18.15	18.03
West Virginia	14.80	15.40	16.05
Wisconsin	15.44	15.86	16.12
Wyoming	17.26	17.72	16.74
Puerto Rico	9.84	10.30	10.47
Virgin Islands	22.57	22.98	23.37

... = Not available.

Table 2-37. Average Hourly Earnings of Production Workers on Manufacturing Payrolls by State, SIC Basis, 1973–2000

(Dollars.)

State	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	3.42	3.73	4.10	4.46	4.89	5.40	5.95	6.49	7.01	7.33	7.58	7.97	8.48	8.64
Alaska	5.97	7.10	8.09	7.82	9.12	8.86	9.14	10.22	11.42	11.74	12.33	12.25	¹ 12.19	11.62
Arizona	4.03	4.40	4.85	5.19	5.55	6.03	6.62	7.29	8.02	8.73	8.99	9.09	¹ 9.48	9.88
Arkansas	2.99	3.30	3.69	3.91	4.30	4.72	5.19	5.71	6.26	6.69	7.05	7.31	7.57	7.76
California	4.44	4.76	5.22	5.59	6.00	6.43	7.03	7.70	8.56	9.24	9.52	9.77	10.12	10.36
Colorado	...	...	...	...	5.80	6.21	6.93	7.63	8.28	8.63	¹ 8.97	9.24	9.52	9.82
Connecticut	4.14	4.42	4.78	5.12	5.56	5.96	6.43	7.08	7.67	8.23	8.76	9.22	9.57	10.07
Delaware	4.29	4.62	5.02	5.51	5.94	6.58	7.04	7.58	8.28	8.64	9.19	9.28	9.86	10.05
Florida	3.45	3.76	4.11	4.36	4.63	5.07	5.48	5.98	6.53	7.02	7.33	7.62	7.86	8.02
Georgia	3.25	3.50	3.80	4.10	4.46	4.88	5.30	5.77	6.37	6.75	7.13	7.58	8.10	8.35
Hawaii	3.93	4.24	4.68	5.14	5.51	5.90	6.38	6.83	7.53	7.97	8.23	8.35	8.65	8.86
Idaho	4.05	4.41	4.77	5.29	5.82	6.53	6.92	7.55	8.23	8.62	8.98	9.34	9.41	9.66
Illinois	4.57	4.97	5.53	5.85	6.28	6.76	7.30	8.02	8.91	9.31	9.70	10.08	10.37	10.67
Indiana	0.00	0.00	...	...	...	...	...	...	...	...	...	...	...	...
Iowa	...	...	...	5.85	6.43	7.02	7.75	8.67	9.60	10.01	10.09	10.24	10.32	10.35
Kansas	...	...	...	...	...	...	6.71	7.37	8.05	8.80	9.23	9.38	9.45	9.76
Kentucky	4.00	4.36	4.77	5.15	5.69	6.26	6.77	7.34	7.86	8.38	8.79	9.28	9.53	9.86
Louisiana	3.98	4.40	4.88	5.33	5.75	6.42	6.97	7.74	8.58	9.38	9.79	10.06	10.43	10.60
Maine	3.23	3.51	3.81	4.16	4.52	4.91	5.42	6.00	6.66	7.22	7.61	8.05	8.40	8.65
Maryland	4.22	4.62	5.04	5.52	6.05	6.46	7.09	7.61	8.39	8.78	9.02	9.45	9.73	9.91
Massachusetts	3.89	4.16	4.48	4.79	5.13	5.54	5.98	6.51	7.01	7.58	8.01	8.50	9.00	9.24
Michigan	...	...	...	6.81	7.54	8.13	8.73	9.52	10.53	11.18	11.62	12.18	12.64	12.80
Minnesota	4.22	4.67	5.10	5.53	5.97	6.44	6.93	7.61	8.40	9.11	9.56	9.75	10.05	10.20
Mississippi	2.95	3.19	3.58	3.83	4.15	4.56	4.95	5.44	6.01	6.41	6.70	6.95	7.22	7.46
Missouri	4.05	4.39	4.80	5.20	5.75	6.21	6.70	7.26	7.90	8.46	8.89	9.31	9.57	9.83
Montana	4.53	5.05	5.53	5.93	6.53	7.81	8.44	8.78	9.09	9.86	10.44	10.76	10.95	10.94
Nebraska	3.75	4.15	4.63	4.93	5.39	5.83	6.53	7.38	8.01	8.47	8.76	8.93	9.02	9.26
Nevada	4.71	4.89	5.26	5.61	6.10	6.54	6.95	7.72	8.42	8.80	9.02	9.12	9.15	9.36
New Hampshire	3.39	3.65	3.97	4.26	4.56	4.94	5.37	¹ 5.87	6.41	6.94	7.42	7.86	8.39	8.77
New Jersey	4.26	4.57	4.99	5.33	5.82	6.28	6.71	7.31	8.05	8.66	9.11	9.50	9.86	10.12
New Mexico	3.08	3.31	3.63	4.07	4.43	4.79	5.36	5.79	6.54	7.22	7.60	7.97	8.41	8.75
New York	4.20	4.53	4.91	5.27	5.67	6.08	6.57	7.18	7.84	8.35	8.84	9.22	9.67	9.92
North Carolina	2.99	3.28	3.52	3.79	4.10	4.47	4.87	5.37	5.94	6.35	6.68	7.01	7.29	7.54
North Dakota	3.55	3.83	4.31	4.75	5.19	5.55	5.98	6.56	7.12	7.50	7.73	7.86	8.05	8.19
Ohio	4.76	5.13	5.57	6.10	6.74	7.29	7.84	8.57	9.53	10.07	10.56	10.96	11.38	11.56
Oklahoma	3.69	4.01	4.45	4.83	5.31	5.81	6.53	7.36	8.20	8.69	9.21	9.64	9.86	9.80
Oregon	4.60	5.01	5.53	6.07	6.67	7.23	7.92	8.65	9.47	10.02	10.25	10.44	10.50	10.57
Pennsylvania	4.16	4.57	4.98	5.36	¹ 5.85	6.37	6.97	7.59	8.30	8.63	8.95	9.28	9.57	9.74
Rhode Island	3.37	3.62	3.84	4.15	4.39	4.71	5.10	5.59	6.10	6.61	6.92	7.33	7.59	7.90
South Carolina	3.03	3.32	3.59	3.91	4.28	4.66	5.10	5.59	6.18	6.68	7.03	7.28	7.61	7.92
South Dakota	3.37	3.77	4.21	4.51	4.84	5.19	5.70	6.50	7.12	7.36	7.31	7.14	7.43	7.75
Tennessee	3.29	3.62	3.93	4.24	4.68	5.13	5.56	6.08	6.72	7.16	7.49	7.93	8.29	8.58
Texas	5.42	5.88	6.46	7.15	7.95	8.60	8.88	9.04	9.41	9.65	9.85	9.97	10.25	10.47
Utah	3.83	4.19	4.61	4.89	5.18	5.68	6.29	7.02	7.74	8.40	8.69	8.92	9.64	9.98
Vermont	3.50	3.78	4.07	4.40	4.70	5.10	5.53	6.14	6.79	7.35	7.66	8.03	8.41	8.83
Virginia	3.34	3.65	3.99	4.30	4.69	5.11	5.58	6.22	6.84	7.37	7.79	8.10	8.51	8.83
Washington	4.83	5.24	5.82	6.36	6.83	7.56	8.39	9.41	10.44	11.23	11.42	11.57	11.63	11.65
West Virginia	4.14	4.53	4.93	5.42	6.06	6.68	7.41	8.08	8.80	9.40	9.74	9.93	10.24	10.38
Wisconsin	4.45	4.81	5.26	5.69	6.16	6.69	7.27	8.03	8.80	9.37	9.78	10.03	10.26	10.35
Wyoming	4.03	4.52	4.92	5.43	5.70	6.18	6.68	7.01	7.89	8.62	8.73	9.14	9.64	9.68
Puerto Rico	...	...	...	...	...	...	...	4.02	4.39	4.64	4.83	5.02	5.19	5.31
Virgin Islands	...	...	...	...	...	6.12	6.70	7.18	8.50	9.76	10.03	9.51	9.44	9.60

¹Data not continuous.

... = Not available.

Table 2-37. Average Hourly Earnings of Production Workers on Manufacturing Payrolls by State, SIC Basis, 1973–2000—Continued

(Dollars.)

State	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Alabama	8.76	8.95	9.10	9.39	9.72	9.99	10.35	10.75	11.14	11.55	11.86	12.11	12.54	12.96
Alaska	11.79	11.98	12.01	12.46	11.40	10.75	11.14	10.96	11.00	11.14	11.78	11.09	12.16	12.46
Arizona	9.97	9.85	9.92	10.21	10.70	10.96	11.06	11.17	11.16	11.49	11.67	12.17	12.70	12.78
Arkansas	7.88	8.07	8.26	8.51	8.81	9.05	9.36	9.65	10.05	10.41	10.78	11.12	11.55	11.97
California	10.75	10.80	11.16	11.48	11.87	12.19	12.38	12.44	12.55	12.84	13.24	13.66	13.95	14.26
Colorado	10.05	10.38	10.44	10.94	11.33	11.32	12.01	12.26	12.51	12.83	13.31	13.74	14.19	14.82
Connecticut	10.46	10.78	11.21	11.53	11.99	12.46	13.01	13.53	13.71	14.01	14.46	14.83	15.33	15.70
Delaware	10.67	11.49	12.36	12.39	12.20	12.35	13.29	13.92	14.20	14.02	14.81	15.36	15.91	16.53
Florida	8.16	8.39	8.67	8.98	9.30	9.59	9.76	9.97	10.18	10.55	10.95	11.43	11.83	12.28
Georgia	8.49	8.65	8.87	9.17	9.56	9.86	10.09	10.34	10.71	11.19	11.64	12.03	12.48	12.99
Hawaii	9.30	9.84	10.37	10.99	11.39	11.61	11.98	12.22	12.82	12.79	13.11	13.16	13.49	13.59
Idaho	9.75	10.00	10.21	10.60	11.11	11.42	11.88	11.88	11.46	12.15	12.46	12.80	13.42	14.17
Illinois	10.85	10.98	11.21	11.44	11.68	11.84	12.04	12.25	12.64	13.03	13.35	13.75	14.05	14.36
Indiana .....	...	...	11.70	12.03	12.43	12.79	13.17	13.55	13.91	14.33	14.79	14.97	15.26	15.83
Iowa	10.62	10.56	10.82	11.27	11.62	11.92	12.22	12.45	12.73	13.13	13.57	13.91	14.20	14.66
Kansas	9.97	10.24	10.68	10.94	11.24	11.60	11.99	12.15	12.39	12.88	13.45	13.84	14.44	14.98
Kentucky	10.02	10.16	10.37	10.70	11.00	11.28	11.47	11.81	12.22	12.70	13.17	13.82	14.27	14.83
Louisiana	10.90	10.94	11.13	11.61	11.86	12.19	12.66	13.11	13.43	13.65	14.14	14.63	15.18	15.56
Maine	8.77	9.31	9.92	10.59	11.08	11.40	11.63	11.91	12.39	12.71	13.12	13.49	13.94	14.28
Maryland	10.11	10.71	11.19	11.57	11.92	12.50	12.83	13.15	13.49	13.73	14.14	14.31	14.62	14.98
Massachusetts	9.77	10.40	10.87	11.39	11.81	12.15	12.36	12.59	12.79	13.05	13.42	13.80	14.24	14.66
Michigan	12.97	13.31	13.51	13.86	14.52	14.81	15.36	16.13	16.31	16.67	17.18	17.61	18.38	19.26
Minnesota	10.37	10.59	10.95	11.23	11.52	11.92	12.23	12.58	12.79	13.16	13.63	13.92	14.34	14.99
Mississippi	7.59	7.83	8.03	8.37	8.67	8.91	9.16	9.41	9.76	10.18	10.41	10.73	11.17	11.64
Missouri	10.00	10.24	10.49	10.74	10.86	11.24	11.55	11.77	12.17	12.57	12.98	13.38	13.93	14.34
Montana	10.61	10.68	11.15	11.51	11.57	12.18	12.40	12.49	12.94	13.00	13.29	13.76	14.17	14.34
Nebraska	9.33	9.38	9.53	9.66	9.84	10.22	10.46	10.94	11.19	11.51	12.10	12.32	12.77	12.94
Nevada	9.76	10.08	10.33	11.05	11.04	11.55	11.65	11.83	12.62	13.59	14.17	14.42	13.92	13.85
New Hampshire	9.29	9.97	10.37	10.83	10.84	11.22	11.62	11.74	11.94	12.23	12.55	12.79	13.17	13.39
New Jersey	10.40	10.86	11.17	11.76	12.17	12.57	12.98	13.36	13.56	13.85	14.24	14.58	15.11	15.47
New Mexico	8.74	8.87	8.74	9.04	9.40	9.68	9.74	10.13	10.68	10.99	11.74	12.47	12.53	13.26
New York	10.09	10.43	10.67	11.11	11.43	11.72	11.97	12.19	12.50	12.78	13.19	13.47	13.87	14.24
North Carolina	7.84	8.12	8.42	8.79	9.19	9.49	9.81	10.19	10.56	10.97	11.41	11.84	12.32	12.80
North Dakota	8.43	8.36	8.80	9.27	9.25	9.60	9.86	10.19	10.75	10.95	11.29	11.40	11.94	12.64
Ohio	11.73	12.00	12.26	12.64	13.12	13.49	14.05	14.40	14.42	14.70	15.30	15.79	16.26	16.71
Oklahoma	10.14	10.35	10.48	10.73	11.09	11.38	11.42	11.42	11.52	11.78	12.36	12.61	12.70	13.17
Oregon	10.56	10.60	10.81	11.15	11.53	11.97	12.18	12.31	12.75	13.01	13.39	14.07	14.61	15.08
Pennsylvania	9.98	10.33	10.66	11.04	11.46	11.78	12.11	12.49	12.81	13.40	13.78	14.06	14.19	14.60
Rhode Island	8.20	8.64	9.06	9.45	9.73	9.92	10.20	10.35	10.62	10.95	11.31	11.61	11.98	12.17
South Carolina	8.10	8.30	8.54	8.84	9.17	9.48	9.80	10.00	10.16	10.25	10.35	10.52	10.67	10.97
South Dakota	7.92	8.09	8.30	8.48	8.79	8.84	8.89	9.19	9.36	9.59	9.96	10.22	10.58	10.70
Tennessee	8.78	8.96	9.22	9.55	9.92	10.13	10.33	10.50	10.78	11.30	11.71	12.06	12.50	12.92
Texas	10.84	10.92	11.02	11.13	11.47	11.81	12.03	12.14	12.25	12.38	12.57	...	...	...
Utah	9.96	10.11	10.14	10.32	10.77	11.09	11.10	11.28	11.62	12.21	12.85	13.07	13.39	13.68
Vermont	9.12	9.47	9.99	10.52	11.00	11.52	12.09	11.96	12.21	12.42	12.70	13.03	13.65	14.23
Virginia	9.14	9.37	9.69	10.07	10.43	10.62	10.85	11.24	11.72	12.19	12.51	12.90	13.37	13.82
Washington	11.73	11.90	12.12	12.61	13.13	13.59	14.01	14.86	14.73	14.73	15.16	15.76	16.14	16.75
West Virginia	10.55	10.81	11.17	11.53	11.77	12.11	12.27	12.60	12.64	12.96	13.17	13.72	14.09	14.61
Wisconsin	10.55	10.61	10.77	11.11	11.47	11.85	12.17	12.41	12.76	13.14	13.66	14.02	14.50	14.85
Wyoming	9.75	10.27	10.58	10.83	10.98	11.10	11.53	11.79	11.96	13.17	14.54	14.93	15.40	16.18
Puerto Rico	5.43	5.56	5.77	6.04	6.32	6.63	6.98	7.22	7.41	7.70	7.99	8.41	8.93	9.39
Virgin Islands	9.40	9.86	10.87	11.85	12.52	13.68	14.97	15.16	15.82	17.00	18.09	18.60	18.89	21.88

Note: Data include Alaska and Hawaii beginning in 1959.

¹Data not continuous.
... = Not available.

Table 2-38. Average Weekly Earnings of Production Workers on Manufacturing Payrolls by State, NAICS Basis, 2001–2003

(Dollars.)

State	2001	2002	2003
Alabama	523.16	542.34	555.96
Alaska	504.27	495.18	520.45
Arizona	556.14	566.40	580.95
Arkansas	514.71	528.01	536.58
California	581.72	589.64	597.49
Colorado	599.10	626.86	682.36
Connecticut	684.71	717.18	734.44
Delaware	657.43	664.00	681.07
District of Columbia .....	...	...	...
Florida	514.81	559.93	577.69
Georgia	505.00	547.24	560.38
Hawaii	474.48	465.29	479.88
Idaho	541.54	546.48	566.64
Illinois	601.06	620.59	617.12
Indiana	673.22	727.16	751.06
Iowa	600.00	632.72	654.69
Kansas	630.04	651.98	639.53
Kentucky	640.76	663.81	668.03
Louisiana	697.36	747.62	743.53
Maine	585.46	620.45	651.20
Maryland	567.84	608.40	622.13
Massachusetts	634.73	663.00	671.12
Michigan	814.96	875.78	895.89
Minnesota	584.50	597.88	620.29
Mississippi	473.62	500.19	513.91
Missouri	649.23	660.24	737.51
Montana	544.36	551.23	538.37
Nebraska	561.97	588.70	618.18
Nevada	533.67	567.26	570.57
New Hampshire	567.59	565.56	594.00
New Jersey	598.44	621.27	633.86
New Mexico	517.53	535.06	519.69
New York	646.35	675.03	671.20
North Carolina	504.71	529.84	543.67
North Dakota	522.29	529.43	561.60
Ohio	691.75	724.09	738.00
Oklahoma	538.20	553.11	555.31
Oregon	576.33	588.85	597.36
Pennsylvania	580.55	594.43	599.20
Rhode Island	499.59	493.43	506.18
South Carolina	568.15	589.40	586.05
South Dakota	504.99	532.98	559.34
Tennessee	501.03	527.32	539.69
Texas	584.06	572.52	577.12
Utah	528.38	533.74	591.53
Vermont	561.53	573.20	581.60
Virginia	581.05	622.20	647.90
Washington	718.40	727.82	712.19
West Virginia	608.28	637.56	662.87
Wisconsin	620.69	642.33	649.64
Wyoming	666.24	696.40	672.95
Puerto Rico	392.62	418.18	429.27
Virgin Islands	990.82	1 004.23	1 000.24

... = Not available.

Table 2-39. Average Weekly Earnings of Production Workers on Manufacturing Payrolls by State, SIC Basis, 1973–2000

(Dollars.)

State	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986
Alabama	140.22	151.06	161.95	181.08	198.04	219.24	242.16	260.25	279.70	282.20	308.51	326.77	345.98	355.10
Alaska	239.40	287.55	296.09	316.71	394.90	375.66	401.25	436.49	456.80	453.16	446.35	481.42	¹ 496.1	477.58
Arizona	160.39	172.48	189.15	205.00	222.56	243.01	268.77	292.33	317.59	339.60	364.10	370.87	¹ 387.7	405.08
Arkansas	119.30	129.36	143.17	154.84	170.71	185.50	205.52	224.40	246.64	258.23	282.71	296.06	304.31	313.50
California	178.93	188.97	205.67	221.92	240.60	257.84	280.50	304.15	338.98	362.21	380.80	393.73	406.82	417.51
Colorado .....	...	...	...	...	228.52	244.05	273.74	303.67	329.54	338.30	¹ 357.90	377.92	382.70	391.82
Connecticut	174.29	182.99	193.59	208.90	230.74	250.32	270.06	295.94	319.07	333.32	361.79	391.85	400.98	420.93
Delaware	172.89	182.03	197.29	220.40	235.22	263.20	278.08	306.99	333.68	338.69	373.11	385.12	405.25	415.07
Florida	141.45	151.15	164.40	176.14	188.44	207.36	221.94	243.98	265.12	280.10	298.33	313.94	324.62	327.22
Georgia	131.63	139.30	150.10	164.41	180.63	195.69	214.12	231.95	255.44	260.55	293.04	310.78	328.86	341.52
Hawaii	156.81	167.06	182.99	200.46	209.38	227.74	244.35	258.17	289.90	302.06	317.68	318.14	323.51	344.65
Idaho	157.14	171.99	185.08	204.72	228.73	253.36	265.04	280.11	311.09	316.35	335.85	351.18	355.70	369.01
Illinois	187.85	200.69	219.13	236.11	254.91	271.42	296.66	319.20	356.23	364.86	393.59	409.35	421.02	436.40
Indiana .....	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iowa .....	...	...	...	233.42	257.84	281.50	313.88	343.33	379.20	387.39	401.58	411.65	414.86	420.21
Kansas .....	...	...	...	...	...	...	273.10	297.75	325.22	344.96	360.89	376.14	373.28	393.33
Kentucky	161.20	172.66	184.60	202.91	224.75	247.90	266.74	286.99	308.90	321.79	344.57	363.78	370.72	386.51
Louisiana	164.77	176.44	208.86	220.13	240.35	267.07	287.86	318.89	362.08	384.58	391.60	418.50	434.93	443.08
Maine	131.78	141.45	152.02	165.98	179.90	197.38	217.34	240.00	269.06	288.80	303.64	321.20	336.00	351.19
Maryland	170.91	184.34	197.06	218.59	241.40	257.75	283.60	301.36	334.76	344.18	360.80	387.45	392.12	401.36
Massachusetts	157.55	165.98	175.17	190.16	204.69	222.71	239.80	257.80	280.40	297.14	319.60	340.85	366.30	381.61
Michigan .....	...	...	...	290.97	326.27	349.50	359.72	381.87	426.27	449.33	494.02	526.18	544.78	545.28
Minnesota	173.02	186.33	199.92	220.09	238.80	258.89	277.20	299.83	330.96	356.20	379.53	392.93	405.02	414.12
Mississippi	118.89	125.37	140.69	153.20	166.42	181.94	196.02	213.79	236.19	244.22	268.67	282.17	293.13	299.89
Missouri	161.19	172.53	187.20	206.96	231.15	248.40	264.65	284.59	318.37	326.56	354.71	377.06	384.71	398.12
Montana	178.03	195.94	210.14	236.01	272.95	333.49	362.08	379.30	372.69	387.50	414.47	421.79	428.15	431.04
Nebraska	156.78	170.98	187.66	202.57	219.91	239.61	269.69	299.63	322.80	337.95	353.03	361.67	363.51	374.10
Nevada	188.40	189.73	200.93	218.23	236.68	251.79	267.58	294.90	325.01	328.24	349.98	362.98	369.66	376.27
New Hampshire	134.92	143.44	155.23	168.70	182.40	199.08	215.34	² 233.63	255.76	274.82	300.51	322.26	341.47	361.32
New Jersey	176.41	186.11	199.68	215.71	239.20	256.22	276.45	297.07	327.16	345.53	369.87	390.45	402.29	416.94
New Mexico	121.35	127.10	141.57	160.77	171.88	187.77	211.72	230.44	258.33	283.02	301.72	318.00	334.72	345.63
New York	167.58	178.48	191.00	207.64	224.53	241.98	260.17	282.89	308.90	323.98	347.41	366.96	384.87	395.81
North Carolina	119.90	128.25	135.17	149.33	162.36	177.91	192.85	211.04	232.25	236.86	267.20	279.70	288.68	306.88
North Dakota	143.42	153.97	171.97	185.73	200.33	220.34	233.82	246.00	271.27	282.00	293.74	301.82	310.73	312.86
Ohio	201.35	211.36	224.47	252.54	283.08	306.91	325.36	347.94	389.78	403.81	437.18	463.61	477.96	486.68
Oklahoma	149.81	162.40	178.00	194.65	214.52	233.56	264.46	295.14	328.82	343.26	373.01	401.02	407.22	404.74
Oregon	180.78	194.39	212.35	236.12	257.46	281.97	304.92	329.57	355.13	379.76	398.73	409.25	406.35	412.23
Pennsylvania	167.23	180.97	193.22	210.11	¹ 231.08	254.80	278.10	294.49	325.36	331.39	350.84	373.06	381.84	391.55
Rhode Island	132.44	141.90	149.04	163.93	171.65	183.22	199.41	219.69	239.73	255.16	269.88	299.80	305.11	319.16
South Carolina	122.72	132.14	141.45	157.96	173.77	190.13	208.08	225.28	249.67	255.18	285.30	297.07	307.44	325.51
South Dakota	143.56	157.21	171.35	179.95	190.21	216.42	238.83	265.85	296.19	302.50	304.10	300.59	310.57	326.28
Tennessee	132.92	144.44	156.41	170.87	188.14	203.15	220.73	241.38	268.13	276.38	303.34	324.34	339.72	353.50
Texas .....	...	...	...	203.68	222.76	242.84	265.51	294.58	328.34	344.00	363.19	376.97	387.69	399.51
Utah	148.62	162.02	175.77	191.69	207.15	224.36	245.31	274.48	307.28	323.40	342.39	355.91	386.56	399.20
Vermont	145.25	155.36	164.43	180.40	191.76	209.10	225.62	249.28	271.60	286.65	306.40	326.02	342.29	359.38
Virginia	135.60	145.27	156.41	171.57	187.13	203.38	221.53	244.45	271.55	283.01	309.26	326.43	341.25	356.73
Washington	189.34	203.84	225.23	248.68	267.74	297.11	323.85	361.34	405.07	432.36	444.24	448.92	453.57	459.01
West Virginia	165.60	179.39	192.27	212.46	239.37	264.53	293.44	316.74	346.72	364.72	385.70	400.18	408.58	418.31
Wisconsin	183.99	197.43	212.25	230.91	250.06	274.21	297.00	323.10	352.55	370.87	398.05	412.23	421.69	427.46
Wyoming	155.58	171.71	190.36	218.11	226.82	238.55	251.17	272.69	315.60	329.28	322.21	361.03	394.28	377.52
Puerto Rico .....	...	...	...	...	...	...	...	152.76	167.77	174.00	186.92	194.27	199.82	207.09
Virgin Islands .....	...	...	...	...	...	250.31	274.03	295.10	359.55	412.85	415.24	405.41	393.65	402.24

¹Data not continuous.

... = Not available.

Table 2-39. Average Weekly Earnings of Production Workers on Manufacturing Payrolls by State, SIC Basis, 1973–2000—Continued

(Dollars.)

State	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Alabama	362.66	370.53	374.92	384.99	396.58	411.59	426.42	450.43	463.42	481.64	496.93	511.04	527.93	543.02
Alaska	503.43	504.36	533.24	559.45	528.96	489.13	501.30	519.50	525.80	518.01	550.13	553.39	¹ 550.85	554.47
Arizona	404.78	404.84	408.70	415.55	435.49	447.17	450.14	472.49	474.30	491.77	483.14	491.67	¹ 513.08	516.31
Arkansas	323.08	330.06	337.01	348.91	362.97	374.67	387.50	403.37	412.05	432.02	446.29	463.70	481.64	490.77
California	433.23	439.56	454.21	466.09	481.92	494.91	506.34	515.02	517.06	532.86	554.76	570.99	581.72	594.64
Colorado	404.01	419.35	419.69	450.73	457.73	458.46	494.81	506.34	512.91	528.60	¹ 556.36	570.21	588.89	589.84
Connecticut	440.37	454.92	473.06	484.26	501.18	519.58	547.72	579.08	586.79	595.43	616.00	633.24	649.99	668.82
Delaware	434.27	459.60	512.94	511.71	497.76	503.88	559.50	595.78	582.20	567.81	620.54	649.73	684.13	715.75
Florida	332.93	341.47	354.60	365.49	378.51	392.23	402.11	412.76	421.45	437.83	457.71	476.63	494.49	514.53
Georgia	353.18	358.11	364.56	375.05	391.96	408.20	420.75	438.42	453.03	473.34	493.54	502.85	522.91	537.79
Hawaii	366.42	393.60	414.80	442.90	453.32	464.40	476.80	468.03	480.75	487.30	496.87	490.87	530.16	520.50
Idaho	371.48	381.00	397.16	412.34	434.40	447.66	476.39	475.20	450.38	479.93	499.65	490.24	528.75	555.46
Illinois	451.36	464.45	469.70	473.62	481.22	485.44	499.66	513.28	527.09	543.35	563.37	574.75	588.70	591.63
Indiana	...	...	486.72	496.84	512.12	537.18	562.36	586.72	587.00	613.32	638.93	642.21	654.65	666.44
Iowa	438.61	437.18	441.46	456.44	470.61	492.30	508.35	527.88	533.39	551.46	578.08	582.83	587.88	609.86
Kansas	406.78	416.77	429.34	440.88	452.97	474.44	498.78	505.44	509.23	546.11	568.94	579.90	593.48	608.19
Kentucky	405.81	411.48	414.80	429.07	443.30	454.58	464.54	487.75	504.69	521.97	550.51	573.53	595.06	624.34
Louisiana	455.62	464.95	474.14	498.07	506.42	519.29	538.05	568.97	580.18	603.33	623.57	643.72	657.29	665.97
Maine	363.96	381.71	398.78	424.66	443.20	458.28	474.50	483.55	493.12	507.13	532.67	547.69	568.75	589.76
Maryland	412.49	444.47	459.91	472.06	483.95	510.00	527.31	545.73	559.84	562.93	585.40	595.30	605.27	609.69
Massachusetts	400.57	423.28	442.41	463.57	484.21	498.15	510.47	523.74	533.34	545.49	567.67	579.60	598.08	614.25
Michigan	547.33	576.32	579.58	579.35	602.58	619.06	662.02	724.24	722.53	731.81	757.64	762.51	812.40	841.66
Minnesota	424.13	432.07	443.48	452.57	465.41	486.34	502.65	523.33	530.79	544.82	565.65	574.90	590.81	611.59
Mississippi	305.88	315.55	321.20	329.78	344.20	359.07	375.56	392.40	400.16	420.43	432.02	444.22	461.32	473.75
Missouri	406.00	417.79	426.94	437.12	438.74	456.34	478.17	494.34	502.62	521.66	539.97	555.27	578.10	592.24
Montana	409.55	413.32	437.08	448.89	452.39	473.80	478.64	490.86	509.84	508.30	530.27	540.77	552.63	552.09
Nebraska	377.87	385.52	387.87	394.13	397.54	420.04	434.09	460.57	464.39	478.82	499.73	516.21	535.06	535.72
Nevada	393.33	400.18	422.50	449.74	448.22	470.09	482.31	486.21	522.47	565.34	607.89	605.64	574.90	587.24
New Hampshire	382.75	405.78	427.24	441.86	446.61	466.75	489.20	¹ 496.60	496.70	511.21	527.10	528.23	534.70	550.33
New Jersey	428.48	445.26	457.97	486.86	503.84	521.66	538.67	558.45	566.81	578.93	598.08	609.44	630.09	649.74
New Mexico	346.98	359.24	349.60	367.93	376.94	387.20	398.37	414.32	426.13	441.80	467.25	481.34	488.67	503.88
New York	402.59	416.16	426.80	439.96	454.91	468.80	483.59	499.79	511.25	521.42	543.43	553.62	571.44	585.26
North Carolina	323.01	328.86	339.33	350.72	368.52	386.24	400.25	418.81	428.74	443.19	470.09	486.62	505.12	529.92
North Dakota	326.24	323.53	350.24	368.95	368.15	387.84	406.23	431.04	437.53	462.09	457.25	454.86	477.60	506.86
Ohio	499.70	516.00	523.50	535.94	553.66	569.28	604.15	632.16	625.83	636.51	667.08	677.39	697.55	716.86
Oklahoma	417.77	425.39	435.97	441.00	454.69	468.86	478.50	492.20	482.69	494.76	524.06	523.32	524.51	538.65
Oregon	413.95	416.58	425.91	438.20	454.28	472.82	481.11	497.32	511.28	523.00	547.65	572.65	590.24	603.20
Pennsylvania	408.18	424.56	437.06	449.33	¹ 462.98	480.62	498.93	519.58	529.05	552.08	578.76	589.11	593.14	616.12
Rhode Island	328.00	343.01	356.06	375.17	389.20	397.79	405.96	417.11	430.11	438.00	462.58	471.37	478.00	491.67
South Carolina	337.77	341.13	352.70	362.44	378.72	395.32	407.68	418.00	425.70	428.45	436.77	448.15	454.54	466.23
South Dakota	330.26	343.83	346.94	344.29	362.15	364.21	367.16	385.98	391.25	397.99	417.32	435.37	453.88	461.17
Tennessee	365.25	372.74	376.18	368.63	392.83	408.24	421.46	429.45	435.51	458.78	482.45	488.43	507.50	519.38
Texas	409.76	415.75	428.45	437.65	456.36	464.10	471.66	479.70	490.92	507.83	523.31	530.52	532.88	536.05
Utah	393.42	407.43	405.60	410.74	429.72	446.93	439.56	457.97	462.48	492.06	516.57	528.03	535.60	544.46
Vermont	370.27	382.59	408.59	429.22	448.80	472.32	501.74	489.16	494.51	503.01	516.89	515.99	539.18	573.47
Virginia	375.65	382.30	396.32	406.83	422.42	435.42	444.85	468.71	487.55	505.89	527.92	545.67	566.89	584.59
Washington	468.03	477.19	477.53	511.97	523.89	543.60	563.20	601.83	600.98	600.98	615.50	643.01	660.13	681.73
West Virginia	428.33	438.89	454.62	469.27	477.86	491.67	501.84	520.38	528.35	533.95	549.19	570.75	586.14	603.39
Wisconsin	436.77	443.50	446.96	459.95	474.86	495.33	511.14	529.91	537.20	554.51	579.18	586.04	607.55	616.28
Wyoming	378.30	395.40	421.08	432.12	423.83	428.46	448.52	471.60	471.22	528.12	585.96	603.17	605.22	624.55
Puerto Rico	211.23	217.40	227.92	236.16	246.48	262.55	275.71	288.08	293.44	297.22	316.40	336.40	366.13	381.23
Virgin Islands	396.68	398.34	453.28	502.44	518.33	574.56	651.20	647.33	659.69	705.50	772.44	745.86	827.38	962.72

¹Data not continuous.

... = Not available.

NOTES AND DEFINITIONS

QUARTERLY CENSUS OF EMPLOYMENT AND WAGES

Collection and Coverage

The Quarterly Census of Employment and Wages (QCEW) program, also commonly called the ES 202 program is a cooperative endeavor of the Bureau of Labor Statistics and the employment security agencies of the states. Using quarterly data submitted by the agencies, BLS summarizes the employment and wage data for workers covered by state unemployment insurance laws and for civilian workers covered by the program of Unemployment Compensation for Federal Employees.

These tables provide the data from this program that uses the 2002 version of the North American Industry Classification System (NAICS) as the basis for the assignment and tabulation of economic data by industry. The NAICS structure is significantly different from that of the 1987 Standard Industrial Classification (SIC), system that had been used for industry classification purposes until this year. This difference results in NAICS-based data that are not comparable with historical SIC-based data. The NAICS classification system was described in the sixth edition of this Handbook.

The QCEW data series is the most complete universe of employment and wage information by industry, county, and state. These data serve as the basic source of benchmark information for employment by industry in the Current Employment Statistics (CES) program, which is shown in the first section of part 2 of this Handbook. Therefore the entire employment series is not presented here. The wage series is presented because the CES provides earnings only for production and non-supervisory employees and the QCEW is more comprehensive.

Total wages

Annual pay data are compiled from reports submitted by employers subject to state and federal unemployment insurance (UI) laws, covering 129.7 million full- and part-time workers. Average annual pay is computed by dividing total annual payrolls of employees covered by UI programs by the average monthly number of these

employees. Pay differences among states reflect the varying composition of employment by occupation, industry, and hours of work, as well as other factors. Pay differences among industries are similarly affected. For example, the relatively large share of part-time workers reduces average annual pay levels in retail trade industries. Correspondingly, pay levels in construction industries reflect the prevalence of part-year employment due to weather and seasonal factors. Over-the-year pay changes may reflect shifts in the composition of employment, as well as changes in the level of average pay.

Total wages, for purposes of the quarterly UI reports submitted by employers in private industry in most states, include gross wages and salaries, bonuses, stock options, tips and other gratuities, and the value of meals and lodging, where supplied. In some of the states, employer contributions to certain deferred compensation plans, such as 401(k) plans, are included in total wages. Total wages, however, do not include employer contributions to Old-Age, Survivors, and Disability Insurance (OASDI); health insurance; unemployment insurance; workers' compensation; and private pension and welfare funds.

In most states, firms report the total wages paid during the calendar quarter, regardless of the timing of the services performed. Under laws of a few states, however, the employers report total wages earned during the quarter (payable) rather than actual amounts paid.

For federal workers, wages represent the gross amount of all payrolls for all pay periods paid within the quarter. This gross amount includes cash allowances and the cash equivalent of any type of remuneration. It includes all lump-sum payments for terminal leave, withholding taxes, and retirement deductions. Federal employee remuneration generally covers the same types of services as those for workers in private industry.

Sources of Additional Information

Additional information about the QCEW program and NAICS is available from the BLS annual publication *Employment and Wages, the Monthly Labor Review*, December 2001, and the BLS Web site.

Table 2-40. Employment and Average Annual Pay for All Covered Workers¹, by State, 2001–2002

(Number, dollars.)

State	2001		2002	
	Employment	Average annual wages	Employment	Average annual wages
United States	129 635 800	\$36 219	128 233 919	\$36 764
Alabama	1 854 462	30 102	1 830 620	31 163
Alaska	283 033	36 170	287 231	37 134
Arizona	2 243 652	33 411	2 240 234	34 036
Arkansas	1 127 151	27 260	1 119 428	28 074
California	14 981 757	41 327	14 837 334	41 419
Colorado	2 201 379	37 952	2 153 857	38 005
Connecticut	1 665 607	46 993	1 648 547	46 852
Delaware	406 736	38 427	401 971	39 684
District of Columbia	635 734	55 909	650 513	57 914
Florida	7 153 589	31 553	7 164 523	32 426
Georgia	3 871 763	35 136	3 807 915	35 734
Hawaii	557 146	31 253	558 651	32 671
Idaho	571 314	27 768	571 869	28 163
Illinois	5 886 248	39 083	5 771 132	39 688
Indiana	2 871 236	31 779	2 832 553	32 603
Iowa	1 429 543	28 837	1 412 203	29 668
Kansas	1 319 667	30 153	1 303 114	30 825
Kentucky	1 736 575	30 021	1 717 975	30 904
Louisiana	1 869 966	29 131	1 847 754	30 115
Maine	593 166	28 815	591 052	29 736
Maryland	2 421 899	38 253	2 427 257	39 382
Massachusetts	3 276 224	44 975	3 202 323	44 954
Michigan	4 476 659	37 391	4 390 209	38 135
Minnesota	2 609 669	36 587	2 585 650	37 458
Mississippi	1 111 255	25 923	1 104 225	26 665
Missouri	2 652 876	32 421	2 627 082	33 118
Montana	383 905	25 195	388 161	26 001
Nebraska	883 920	28 377	874 063	29 448
Nevada	1 043 748	33 121	1 045 012	33 993
New Hampshire	610 192	35 481	603 234	36 176
New Jersey	3 876 194	44 320	3 855 419	45 182
New Mexico	729 422	28 702	737 418	29 431
New York	8 423 312	46 727	8 272 274	46 328
North Carolina	3 805 498	32 024	3 751 648	32 689
North Dakota	311 632	25 707	311 800	26 550
Ohio	5 434 769	33 283	5 332 891	34 214
Oklahoma	1 463 622	28 016	1 439 701	28 654
Oregon	1 596 753	33 204	1 573 057	33 684
Pennsylvania	5 552 366	34 978	5 504 553	35 808
Rhode Island	468 952	33 603	468 557	34 810
South Carolina	1 786 899	29 255	1 765 717	30 003
South Dakota	364 715	25 601	363 292	26 360
Tennessee	2 625 746	31 520	2 601 518	32 531
Texas	9 350 770	36 045	9 261 089	36 248
Utah	1 050 674	30 077	1 041 707	30 585
Vermont	298 020	30 238	295 443	31 041
Virginia	3 436 172	36 733	3 404 760	37 222
Washington	2 689 507	37 459	2 643 754	38 242
West Virginia	685 754	27 981	683 183	28 612
Wisconsin	2 717 660	31 540	2 690 830	32 464
Wyoming	237 278	28 043	239 615	28 975
Puerto Rico	1 007 919	19 728	992 529	20 662
Virgin Islands	44 330	29 210	43 070	30 506

¹Includes workers covered by Unemployment Insurance (UI) and Unemployment Compensation for Federal Employees (UCFE) programs.

Table 2-41. NAICS Industry Employment and Average Annual Pay for All Covered Workers, United States, 2001–2002

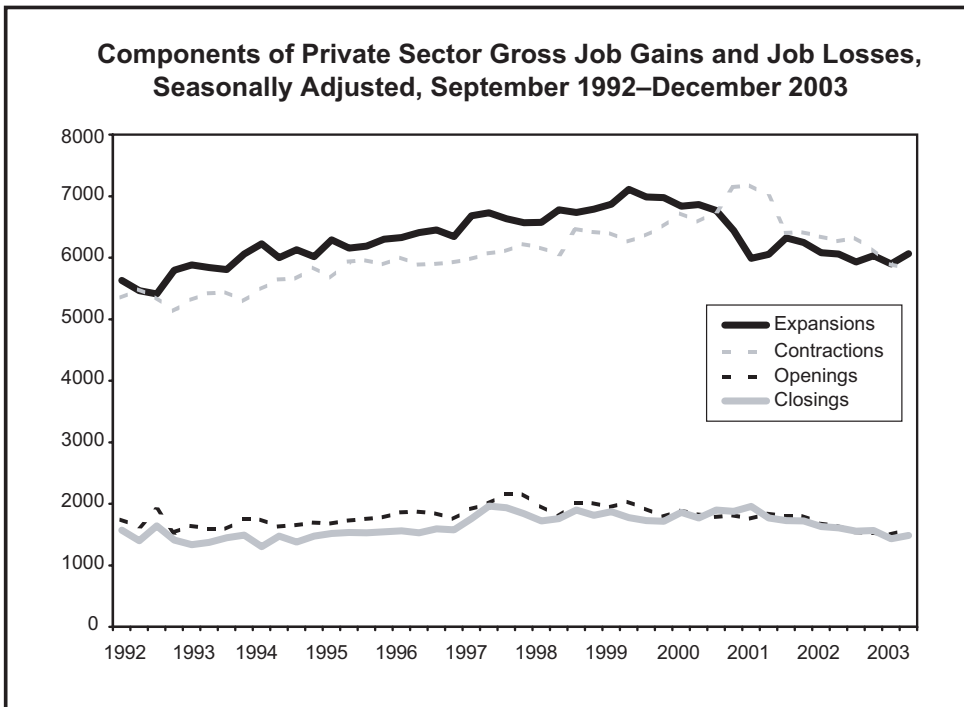
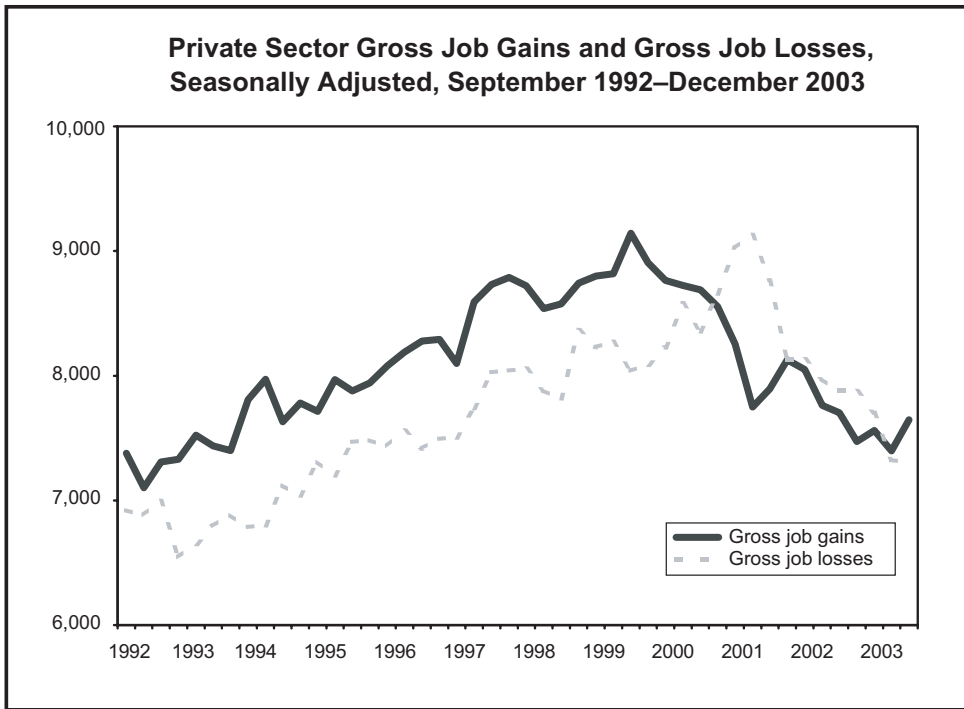
Industry	2001		2002	
	Employment	Average annual pay	Employment	Average annual pay
TOTAL PRIVATE, ALL INDUSTRIES	109 304 802	\$36 157	107 577 281	\$36 539
Agriculture, forestry, fishing, and hunting	1 170 570	20 188	1 155 890	20 890
Mining	535 189	59 686	505 979	60 392
Construction	6 773 512	38 412	6 683 553	39 027
Manufacturing	16 386 001	42 969	15 209 192	44 097
Wholesale trade	5 730 294	48 791	5 617 456	49 241
Retail trade	15 179 753	22 667	15 018 588	23 232
Transportation and warehousing	4 138 146	36 189	3 989 116	36 823
Utilities	599 899	65 561	592 152	67 374
Information	3 591 995	57 288	3 364 485	56 103
Financial activities	7 678 974	55 515	7 706 265	55 172
Professional and business services	16 324 890	43 566	15 939 596	43 899
Education and health services	14 849 666	32 718	15 346 718	33 931
Leisure and hospitality	11 884 966	15 426	11 995 950	15 777
Other services	4 206 345	23 220	4 246 011	23 784
TOTAL GOVERNMENT	20 330 998	36 549	20 656 638	37 935
Federal	2 752 619	48 940	2 758 627	52 050
State	4 452 237	37 814	4 485 071	39 212
Local	13 126 143	33 521	13 412 941	34 605

Table 2-42. SIC Industry Employment and Average Annual Pay for All Covered Workers¹, United States, Old Series, 1997–2000

Industry	1997		1998		1999		2000	
	Employment	Average annual pay	Employment	Average annual pay	Employment	Average annual pay	Employment	Average annual pay
PRIVATE								
Agriculture, forestry, and fishing	1 766 273	\$17 484	1 813 093	\$18 611	1 861 280	\$19 411	1 910 776	\$20 283
Mining	595 837	49 998	587 912	52 066	535 352	54 636	536 044	58 084
Construction	5 637 876	31 744	5 951 890	33 386	6 341 444	34 812	6 623 902	36 622
Manufacturing	18 654 350	38 306	18 800 265	40 092	18 538 996	41 941	18 420 144	44 776
Transportation and public utilities	6 164 800	37 658	6 366 597	39 345	6 581 586	41 786	6 789 193	43 623
Wholesale trade	6 655 608	39 449	6 817 818	41 831	6 902 441	44 185	7 001 995	46 740
Retail trade	21 927 096	15 878	22 279 033	16 810	22 820 731	17 602	23 298 757	18 430
Finance, insurance, and real estate	6 952 803	44 884	7 224 984	48 641	7 405 144	50 910	7 430 790	56 029
Services	33 679 016	28 466	35 066 554	30 053	36 392 096	31 509	37 666 657	33 678
PUBLIC ADMINISTRATION								
Federal	1 408 752	46 835	1 382 158	48 041	1 378 753	48 780	1 477 873	49 840
State	1 787 173	33 741	1 800 690	34 706	1 832 647	35 778	1 840 913	37 792
Local	3 453 703	30 771	3 517 505	32 023	3 573 435	33 184	3 648 745	34 417

¹Includes workers covered by Unemployment Insurance (UI) and Unemployment Compensation for Federal Employees (UCFE) programs.

BUSINESS EMPLOYMENT DYNAMICS



Beginning in September 2003, the net change in jobs in the private sector turned positive, about 72,000 after 10 quarters of being negative. The net change is the difference between total gross jobs gains and total gross job losses. The December net change was even more substantial, 344,000. Gross job gains increased 250,000 and job losses decreased somewhat. Over the quarter, expanding establishments added almost 6.1 million jobs while opening establishments added nearly 1.6 million jobs. The data also shows that the 2001 recession is characterized by a decline in gross job gains accompanied by an increase in gross job losses, and the several quarters following the end of the recession are characterized by a gross job loss rate that returned to pre-recession levels and a gross job gain that did not return to pre-recession levels. (Table 2-43)

Table 2-43. Private Sector Gross Job Gains and Job Losses, Seasonally Adjusted, 1992–2003

(In thousands.)

Year	3 months ended	Net change ¹	Gross job gains			Total	Gross job losses		
			Total	Expanding establishments	Opening establishments		Total	Contracting establishments	Closing establishments
1992	September	455	7 377	5 632	1 745	6 922	6 922	5 351	1 571
	December	216	7 101	5 465	1 636	6 885	6 885	5 487	1 398
1993	March	313	7 309	5 410	1 899	6 996	6 996	5 354	1 642
	June	786	7 330	5 794	1 536	6 544	6 544	5 136	1 408
	September	874	7 523	5 881	1 642	6 649	6 649	5 316	1 333
	December	641	7 436	5 840	1 596	6 795	6 795	5 420	1 375
1994	March	517	7 400	5 807	1 593	6 883	6 883	5 435	1 448
	June	1 021	7 807	6 060	1 747	6 786	6 786	5 295	1 491
	September	1 175	7 972	6 227	1 745	6 797	6 797	5 493	1 304
	December	507	7 630	5 998	1 632	7 123	7 123	5 647	1 476
1995	March	746	7 782	6 129	1 653	7 036	7 036	5 660	1 376
	June	402	7 714	6 017	1 697	7 312	7 312	5 839	1 473
	September	771	7 970	6 291	1 679	7 199	7 199	5 680	1 519
	December	407	7 877	6 153	1 724	7 470	7 470	5 934	1 536
1996	March	460	7 943	6 190	1 753	7 483	7 483	5 957	1 526
	June	642	8 080	6 302	1 778	7 438	7 438	5 894	1 544
	September	632	8 189	6 326	1 863	7 557	7 557	5 998	1 559
	December	861	8 278	6 409	1 869	7 417	7 417	5 889	1 528
1997	March	799	8 292	6 448	1 844	7 493	7 493	5 900	1 593
	June	594	8 098	6 342	1 756	7 504	7 504	5 925	1 579
	September	854	8 593	6 680	1 913	7 739	7 739	5 981	1 758
	December	702	8 731	6 727	2 004	8 029	8 029	6 068	1 961
1998	March	747	8 788	6 633	2 155	8 041	8 041	6 107	1 934
	June	666	8 722	6 569	2 153	8 056	8 056	6 218	1 838
	September	659	8 539	6 574	1 965	7 880	7 880	6 161	1 719
	December	759	8 576	6 778	1 798	7 817	7 817	6 060	1 757
1999	March	380	8 744	6 733	2 011	8 364	8 364	6 466	1 898
	June	569	8 800	6 788	2 012	8 231	8 231	6 419	1 812
	September	548	8 817	6 871	1 946	8 269	8 269	6 397	1 872
	December	1 105	9 144	7 112	2 032	8 039	8 039	6 264	1 775
2000	March	818	8 906	6 988	1 918	8 088	8 088	6 361	1 727
	June	541	8 764	6 975	1 789	8 223	8 223	6 509	1 714
	September	146	8 724	6 834	1 890	8 578	8 578	6 719	1 859
	December	336	8 690	6 862	1 828	8 354	8 354	6 582	1 772
2001	March	-101	8 555	6 768	1 787	8 656	8 656	6 756	1 900
	June	-771	8 254	6 439	1 815	9 025	9 025	7 149	1 876
	September	-1 380	7 749	5 990	1 759	9 129	9 129	7 174	1 955
	December	-871	7 893	6 055	1 838	8 764	8 764	6 995	1 769
2002	March	-1	8 128	6 324	1 804	8 129	8 129	6 400	1 729
	June	-80	8 050	6 246	1 804	8 130	8 130	6 411	1 719
	September	-211	7 763	6 083	1 680	7 974	7 974	6 345	1 629
	December	-175	7 702	6 059	1 643	7 877	7 877	6 267	1 610
2003	March	-404	7 472	5 932	1 540	7 876	7 876	6 321	1 555
	June	-142	7 560	6 033	1 527	7 702	7 702	6 138	1 564
	September	72	7 396	5 897	1 499	7 324	7 324	5 893	1 431
	December	344	7 646	6 063	1 583	7 302	7 302	5 816	1 486

¹Net change is the difference between total gross job gains and total gross job losses.

Table 2-44. Private Sector Gross Job Gains and Job Losses, as a Percent of Employment,¹ Seasonally Adjusted, 1992–2003

(Percent.)

Year	3 months ended	Net change ²	Total	Gross job gains		Total	Gross job losses	
				Expanding establishments	Opening establishments		Expanding establishments	Closing establishments
1992	September	0.5	8.3	6.3	2.0	7.8	6.0	1.8
	December	0.2	7.9	6.1	1.8	7.7	6.1	1.6
1993	March	0.3	8.1	6.0	2.1	7.8	6.0	1.8
	June	0.8	8.1	6.4	1.7	7.3	5.7	1.6
	September	0.9	8.2	6.4	1.8	7.3	5.8	1.5
	December	0.6	8.0	6.3	1.7	7.4	5.9	1.5
1994	March	0.5	8.0	6.3	1.7	7.5	5.9	1.6
	June	1.1	8.4	6.5	1.9	7.3	5.7	1.6
	September	1.2	8.4	6.6	1.8	7.2	5.8	1.4
	December	0.6	8.0	6.3	1.7	7.4	5.9	1.5
1995	March	0.8	8.1	6.4	1.7	7.3	5.9	1.4
	June	0.5	8.0	6.2	1.8	7.5	6.0	1.5
	September	0.8	8.2	6.5	1.7	7.4	5.8	1.6
	December	0.4	8.1	6.3	1.8	7.7	6.1	1.6
1996	March	0.4	8.1	6.3	1.8	7.7	6.1	1.6
	June	0.6	8.2	6.4	1.8	7.6	6.0	1.6
	September	0.7	8.3	6.4	1.9	7.6	6.0	1.6
	December	0.9	8.3	6.4	1.9	7.4	5.9	1.5
1997	March	0.7	8.2	6.4	1.8	7.5	5.9	1.6
	June	0.5	7.9	6.2	1.7	7.4	5.8	1.6
	September	0.8	8.4	6.5	1.9	7.6	5.9	1.7
	December	0.6	8.4	6.5	1.9	7.8	5.9	1.9
1998	March	0.7	8.5	6.4	2.1	7.8	5.9	1.9
	June	0.6	8.4	6.3	2.1	7.8	6.0	1.8
	September	0.7	8.2	6.3	1.9	7.5	5.9	1.6
	December	0.7	8.1	6.4	1.7	7.4	5.7	1.7
1999	March	0.3	8.2	6.3	1.9	7.9	6.1	1.8
	June	0.6	8.3	6.4	1.9	7.7	6.0	1.7
	September	0.5	8.2	6.4	1.8	7.7	6.0	1.7
	December	1.1	8.5	6.6	1.9	7.4	5.8	1.6
2000	March	0.8	8.2	6.4	1.8	7.4	5.8	1.6
	June	0.4	7.9	6.3	1.6	7.5	5.9	1.6
	September	0.1	7.9	6.2	1.7	7.8	6.1	1.7
	December	0.3	7.9	6.2	1.7	7.6	6.0	1.6
2001	March	-0.1	7.7	6.1	1.6	7.8	6.1	1.7
	June	-0.8	7.4	5.8	1.6	8.2	6.5	1.7
	September	-1.3	7.1	5.5	1.6	8.4	6.6	1.8
	December	-0.8	7.3	5.6	1.7	8.1	6.5	1.6
2002	March	0.1	7.6	5.9	1.7	7.5	5.9	1.6
	June	-0.1	7.5	5.8	1.7	7.6	6.0	1.6
	September	-0.1	7.3	5.7	1.6	7.4	5.9	1.5
	December	-0.2	7.1	5.6	1.5	7.3	5.8	1.5
2003	March	-0.5	6.9	5.5	1.4	7.4	5.9	1.5
	June	-0.2	7.0	5.6	1.4	7.2	5.7	1.5
	September	0.1	6.9	5.5	1.4	6.8	5.5	1.3
	December	0.4	7.2	5.7	1.5	6.8	5.4	1.4

¹The rates measure gross job gains and job losses as a percentage of the average of the previous and current employment.²Net change is the difference between total gross job gains and total gross job losses.

Table 2-45. Three-Month Private Sector Job Gains and Losses by Industry, Seasonally Adjusted, 2002–2003

(In thousands.)

Year	Gross job gains (3 months ended)					Gross job losses (3 months ended)				
	December 2002	March 2003	June 2003	September 2003	December 2003	December 2002	March 2003	June 2003	September 2003	December 2003
TOTAL PRIVATE ¹	7 702	7 472	7 560	7 396	7 646	7 877	7 876	7 702	7 324	7 302
Goods-producing	1 652	1 692	1 657	1 605	1 665	1 889	1 932	1 897	1 755	1 697
Natural resources and mining	294	310	299	272	286	297	309	294	292	285
Construction	778	782	811	784	793	800	829	822	762	761
Manufacturing	580	600	547	549	586	792	794	781	701	651
Service-providing ¹	6 050	5 780	5 903	5 791	5 981	5 988	5 944	5 805	5 569	5 605
Wholesale trade	321	320	314	308	317	348	348	334	323	320
Retail trade	1 057	962	1 039	1 019	1 061	1 109	1 060	996	989	1 016
Transportation and warehousing	239	227	230	235	227	270	237	283	239	237
Utilities	13	15	14	16	14	23	15	19	19	16
Information	174	166	153	149	172	208	201	194	185	166
Financial activities	488	442	455	444	436	451	428	418	417	462
Professional and business services	1 422	1 406	1 367	1 356	1 438	1 450	1 469	1 416	1 287	1 302
Education and health services	776	760	745	731	744	659	680	698	670	659
Leisure and hospitality	1 151	1 083	1 166	1 125	1 161	1 126	1 161	1 105	1 095	1 097
Other services	300	296	303	286	288	308	305	305	309	293

¹Includes unclassified sector, not shown separately.

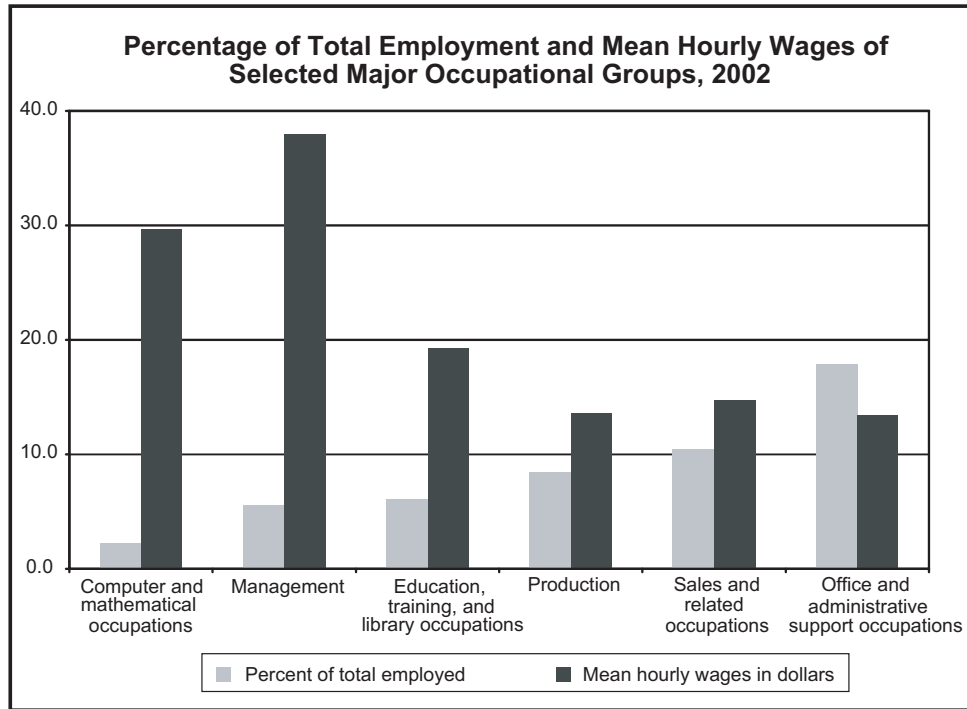
PART THREE

OCCUPATIONAL EMPLOYMENT AND WAGES

OCCUPATIONAL EMPLOYMENT AND WAGES

HIGHLIGHTS

This chapter presents employment and wages for over 400 occupations from the Occupational Employment Statistics (OES) program.



As would be expected, the higher paying occupations constitute a smaller proportion of total employment than the lower paid occupations. (Table 3-1)

OTHER HIGHLIGHTS:

- All the major categories of occupations moved up in the wage range scale having fewer employees in the lowest wages in 2002 than in 2001 and a somewhat higher proportion in the higher ranges. (Table 3-2)
- In 2001 and 2002 management and legal occupations had the most employees in the highest wage range. Although legal occupations still had a greater percentage of employees in the highest wage range in 2002, management closed the gap. From 2001 to 2002, management increased its proportion in the highest wage range by nearly 3 percentage points while legal increased its proportion by less than 1 percent. (Table 3-2)
- Computer and mathematical occupations were a distant third with 12.8 percent of employees in the highest wage range. Farming, fishing, and forestry had the lowest percentage of employees in the highest wage range with 0.1 percent in 2002. (Table 3-2)
- The gap between the wages of the highest and the lowest paid major occupations increased from 423 percent to 459 percent from 2001 to 2002. (Table 3-1)
- Wide variations exist even within the major occupations. For example, the mean hourly wage in management ranges from \$14.62 to \$64.89. (Table 3-3)

NOTES AND DEFINITIONS

Collection and Coverage

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments, by industry. The OES is a federal-state cooperative program between BLS and State Workforce Agencies (SWA). BLS funds the survey and provides the procedures and technical support, while SWA collects the data.

Scope of the Survey

The OES survey is an annual mail survey measuring occupational employment and wage rates for wage and salary workers in nonfarm establishments, by industry. The OES survey samples and contacts approximately 400,000 establishments each year and, over three years, contacts approximately 1.2 million establishments. The reference period for each year's survey is the fourth quarter of that year. The nationwide response rate for the 2001 survey was 78 percent for establishment units and 71 percent for employment. While estimates can be made from a single year or two years of data, achieving the desired precision for OES survey estimates requires the full three years of sample. The full sample allows the production of estimates at fine levels of geographical, industrial, and occupational detail. Estimates from the 2001 survey are based on data collected from establishments for 1999, 2000, and 2001.

In 1999, the OES survey began using the Office of Management and Budget's occupational classification system—the Standard Occupational Classification System (SOC). The SOC system is the first OMB-required occupational classification system for federal agencies. The OES survey categorizes workers in one of about 770 detailed occupations. Together, these detailed occupations comprise 22 major occupational groups. The SOC is described in an article in the third edition of this Handbook.

Concepts

Employment is the estimate of total wage and salary employment in an occupation across the industries in which it was reported. The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees, including workers on paid vacations or other types of leave; workers on unpaid short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom

the reporting unit is their permanent duty station regardless of whether that unit prepares their paycheck.

The OES survey form sent to an establishment contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size class of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected primarily from establishments within industries that are the predominant employers of labor in these occupations. Each survey form is structured, however, to allow a respondent to provide information for each detailed occupation employed at the establishment; that is, unlisted occupations can be added to the survey form.

Wages for the OES survey are straight-time, gross pay, exclusive of premium pay. Base rate, cost-of-living allowances, guaranteed pay, hazardous-duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay are included. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, nonproduction bonuses, employer cost of supplementary benefits, and tuition reimbursements.

Mean wage is the estimated total wages for an occupation divided by its weighted survey employment. With the exception of the upper open-ended wage interval, interval L (\$70.00 an hour and over in 2000), a mean wage value is calculated for each wage interval based on occupational wage data collected by the BLS Office of Compensation and Working Conditions. The mean wage value for the upper open-ended wage interval is its lower bound (Winsorized mean). These interval mean wage values are then attributed to all workers reported in the interval. For each occupation, total weighted wages in each interval are summed across all intervals and divided by the occupation's weighted survey employment. The median wage is the wage at the midpoint of the distribution of wages.

An *establishment* is defined as an economic unit that processes goods or provides services, such as a factory, store, or mine. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity. The OES survey currently uses the North American Industrial Classification System (NAICS) to classify all establishments.

Additional Information

For additional data including area data see BLS news release UDL, 03-701, and BLS Bulletin 559, June 2003.

Table 3-1. Employment and Wages by Major Occupational Group, 2001–2002

(Number, percent, dollars.)

Occupational group	2001					2002				
	Occupations		Employment		Mean hourly wage	Occupations		Employment		Mean hourly wage
	Number	Percent	Number	Percent		Number	Percent	Number	Percent	
TOTAL	770	100.0	127980430	100.0		770	100.0	127523740	100.0	
Management	30	3.9	7 212 130	5.6	\$34.04	30	3.9	7 092 460	5.6	\$37.92
Business and financial operations	28	3.6	4 676 690	3.7	24.32	28	3.6	4 772 120	3.7	25.65
Computer and mathematical	16	2.1	2 825 820	2.2	29.02	16	2.1	2 772 620	2.2	29.63
Architecture and engineering	35	4.5	2 489 040	1.9	27.08	35	4.5	2 411 260	1.9	27.89
Life, physical, and social science	39	5.1	1 067 750	0.8	23.90	39	5.1	1 078 630	0.8	25.19
Community and social services	14	1.8	1 523 940	1.2	16.44	14	1.8	1 576 980	1.2	16.65
Legal	9	1.2	909 360	0.7	33.19	9	1.2	934 850	0.7	37.18
Education, training, and library	58	7.5	7 658 800	6.0	18.81	58	7.5	7 772 470	6.1	19.31
Arts, design, entertainment, sports, and media	37	4.8	1 508 730	1.2	19.12	37	4.8	1 503 680	1.2	20.03
Healthcare practitioner and technical	46	6.0	6 118 880	4.8	24.01	46	6.0	6 185 020	4.9	25.96
Healthcare support	15	1.9	3 123 160	2.4	10.53	15	1.9	3 173 400	2.5	10.77
Protective service	20	2.6	2 958 050	2.3	15.64	20	2.6	2 993 490	2.3	16.02
Food preparation and serving related	16	2.1	9 917 790	7.7	8.04	16	2.1	10 067 080	7.9	8.26
Building and grounds cleaning and maintenance	9	1.2	4 275 660	3.3	9.80	9	1.2	4 262 880	3.3	10.02
Personal care and service	33	4.3	2 801 640	2.2	10.10	33	4.3	2 919 280	2.3	10.27
Sales and related	21	2.7	13 418 770	10.5	13.91	21	2.7	13 339 570	10.5	14.72
Office and administrative support	56	7.3	22 798 460	17.8	13.09	56	7.3	22 754 570	17.8	13.42
Farming, fishing, and forestry	13	1.7	453 010	0.4	9.44	13	1.7	451 140	0.4	9.72
Construction and extraction	58	7.5	6 239 250	4.9	17.05	58	7.5	6 124 600	4.8	17.47
Installation, maintenance, and repair	53	6.9	5 322 980	4.2	16.81	53	6.9	5 215 970	4.1	17.20
Production	112	14.5	11 270 180	8.8	13.27	112	14.5	10 726 670	8.4	13.55
Transportation and material moving	52	6.8	9 410 340	7.4	12.77	52	6.8	9 395 000	7.4	13.09

Table 3-2. Distribution of Employment by Wage Range and Occupational Group, 2001–2002

(Percentage distribution.)

Occupational group	Total	Wage range (2001)								
		Under \$8.50	\$8.50 to \$10.74	\$10.75 to \$13.49	\$13.50 to \$16.99	\$17.00 to \$21.49	\$21.50 to \$27.24	\$27.25 to \$34.49	\$34.50 to \$43.74	\$43.75 and over
Management	100.0	1.7	2.0	4.1	7.6	11.3	14.9	16.3	15.7	26.4
Business and financial operations	100.0	2.1	2.9	7.5	14.9	20.6	20.9	15.7	8.8	6.6
Computer and mathematical	100.0	0.9	1.9	4.1	8.2	13.8	19.5	21.6	17.7	12.3
Architecture and engineering	100.0	0.8	2.2	5.0	9.7	16.2	21.6	21.0	15.0	8.6
Life, physical, and social science	100.0	3.0	4.7	8.8	14.8	18.5	18.8	14.8	9.2	7.3
Community and social services	100.0	8.5	12.3	18.9	21.4	18.3	12.5	5.7	1.7	0.8
Legal	100.0	1.7	3.1	7.2	11.8	14.3	12.4	10.2	11.0	28.4
Education, training, and library	100.0	13.3	9.0	10.3	15.6	18.6	16.3	9.9	4.4	2.6
Arts, design, entertainment, sports, and media	100.0	15.5	10.7	12.4	14.9	15.0	13.2	8.5	4.8	5.0
Healthcare practitioner and technical	100.0	3.5	5.8	9.3	14.9	20.8	19.7	11.3	5.6	9.0
Healthcare support	100.0	31.3	30.3	21.1	11.3	4.5	1.0	0.3	0.1	0.1
Protective service	100.0	20.3	14.7	14.3	14.2	14.4	12.0	6.9	2.5	0.7
Food preparation and serving related	100.0	71.3	15.5	7.7	3.4	1.4	0.4	0.1	...	...
Building and grounds cleaning and maintenance	100.0	46.9	23.4	14.7	8.7	4.4	1.3	0.4	0.1	...
Personal care and service	100.0	53.3	20.0	10.4	6.7	4.8	2.5	1.1	0.7	0.5
Sales and related	100.0	41.4	15.3	10.7	9.2	7.7	5.7	3.9	2.6	3.4
Office and administrative support	100.0	17.6	21.2	22.7	18.6	12.9	4.8	1.6	0.5	0.2
Farming, fishing, and forestry	100.0	60.0	15.8	10.1	6.9	4.3	1.8	0.7	0.3	0.1
Construction and extraction	100.0	8.4	13.2	17.2	18.7	17.4	14.0	8.1	2.5	0.7
Installation, maintenance, and repair	100.0	8.5	11.8	16.0	19.7	20.5	15.4	6.1	1.5	0.4
Production	100.0	20.8	20.7	20.1	16.6	11.1	7.2	2.5	0.7	0.2
Transportation and material moving	100.0	28.9	19.5	17.4	14.5	10.8	5.6	1.9	0.6	0.9

Occupational group	Total	Wage range (2002)								
		Under \$8.50	\$8.50 to \$10.74	\$10.75 to \$13.49	\$13.50 to \$16.99	\$17.00 to \$21.49	\$21.50 to \$27.24	\$27.25 to \$34.49	\$34.50 to \$43.74	\$43.75 and over
Management	100.0	1.6	1.7	3.5	6.8	10.6	14.4	16.2	16.0	29.2
Business and financial operations	100.0	1.9	2.5	6.6	13.7	19.9	21.1	16.6	9.7	7.9
Computer and mathematical	100.0	0.9	1.8	3.8	7.7	13.5	19.4	21.7	18.4	12.8
Architecture and engineering	100.0	0.7	2.0	4.7	9.2	15.3	21.2	20.9	16.1	9.8
Life, physical, and social science	100.0	2.5	4.3	8.1	14.0	18.0	19.0	15.2	10.0	8.8
Community and social services	100.0	8.1	12.0	18.9	21.3	18.2	12.8	6.2	1.9	0.8
Legal	100.0	1.8	2.7	6.3	10.8	14.3	12.9	11.4	10.6	29.3
Education, training, and library	100.0	12.6	8.8	10.2	15.2	18.5	16.7	10.5	4.7	2.9
Arts, design, entertainment, sports, and media	100.0	13.7	10.5	12.4	15.0	15.1	13.5	9.1	5.4	5.3
Healthcare practitioner and technical	100.0	3.2	5.5	8.9	14.0	20.4	20.2	12.2	6.3	9.4
Healthcare support	100.0	27.7	30.5	22.6	12.7	4.8	1.2	0.3	0.1	...
Protective service	100.0	18.3	14.4	15.6	14.2	13.8	12.7	7.4	2.9	0.8
Food preparation and serving related	100.0	68.2	17.0	8.5	3.9	1.7	0.5	0.2	0.1	...
Building and grounds cleaning and maintenance	100.0	43.9	24.3	15.7	9.2	4.7	1.6	0.4	0.1	...
Personal care and service	100.0	50.9	20.8	11.3	7.0	4.7	2.6	1.2	0.7	0.6
Sales and related	100.0	38.4	16.2	11.1	9.4	8.0	6.1	4.2	2.9	3.8
Office and administrative support	100.0	16.0	20.2	22.8	19.1	13.8	5.4	1.8	0.6	0.3
Farming, fishing, and forestry	100.0	57.1	17.3	10.6	7.2	4.4	2.0	0.8	0.3	0.1
Construction and extraction	100.0	7.8	12.4	16.6	18.6	17.6	14.4	8.8	3.0	0.8
Installation, maintenance, and repair	100.0	7.9	11.0	15.6	19.4	20.4	16.2	7.0	1.8	0.5
Production	100.0	19.4	20.4	20.1	16.8	11.5	7.7	3.0	0.8	0.2
Transportation and material moving	100.0	27.5	19.4	17.7	14.6	11.0	6.2	2.1	0.7	0.9

... = Not available.

Table 3-3. Employment and Wages by Occupation, 2002

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
MANAGEMENT OCCUPATIONS				
Chief executives	452 400	64.89	134 960	60.70
General and operations managers	1 998 350	40.19	83 590	32.80
Legislators	64 650	14.62	30 420	7.32
Advertising and promotions managers	81 090	33.27	69 200	27.47
Marketing managers	192 080	41.91	87 170	37.62
Sales managers	328 060	41.40	86 110	36.08
Public relations managers	62 640	33.59	69 870	29.15
Administrative services managers	306 370	28.54	59 350	25.24
Computer and information systems managers	264 790	43.48	90 440	40.98
Financial managers	563 020	39.94	83 080	35.26
Human resources managers	193 360	34.12	70 960	31.11
Industrial production managers	173 960	35.09	72 980	32.37
Purchasing managers	105 010	31.85	66 250	28.79
Transportation, storage, and distribution managers	107 400	31.29	65 070	28.68
Farm, ranch, and other agricultural managers	5 630	23.65	49 200	21.03
Construction managers	208 360	34.24	71 210	30.53
Education administrators, preschool, and child care center/program	52 700	18.84	39 190	16.03
Education administrators, elementary, and secondary school	204 340	(2)	74 050	(2)
Education administrators, postsecondary	96 910	34.44	71 630	31.08
Engineering managers	205 390	46.03	95 750	43.71
Food service managers	249 710	19.75	41 090	17.21
Funeral directors	21 740	24.83	51 650	20.85
Gaming managers	3 760	29.29	60 910	26.12
Lodging managers	31 170	18.32	38 110	16.33
Medical and health services managers	228 290	33.35	69 370	29.50
Natural sciences managers	42 470	43.46	90 400	39.54
Postmasters and mail superintendents	26 470	23.36	48 590	23.34
Property, real estate, and community association managers	156 290	22.30	46 390	17.73
Social and community service managers	111 480	22.55	46 900	20.71
BUSINESS AND FINANCIAL OPERATIONS OCCUPATIONS				
Agents and business managers of artists, performers, and athletes	11 590	33.16	68 970	26.79
Purchasing agents and buyers, farm products	16 570	22.56	46 930	19.66
Wholesale and retail buyers, except farm products	138 380	22.43	46 650	19.60
Purchasing agents, except wholesale, retail, and farm products	231 490	23.21	48 270	21.68
Claims adjusters, examiners, and investigators	211 960	22.11	45 990	20.68
Insurance appraisers, auto damage	13 270	20.97	43 620	20.50
Compliance officers, except agriculture, construction, health and safety, and transportation	146 670	23.29	48 450	21.54
Cost estimators	185 080	24.67	51 310	22.86
Emergency management specialists	10 700	22.75	47 320	20.94
Employment, recruitment, and placement specialists	168 550	22.14	46 050	18.95
Compensation, benefits, and job analysis specialists	85 880	23.04	47 920	21.68
Training and development specialists	198 910	22.11	46 000	20.58
Management analysts	392 670	33.73	70 160	29.01
Meeting and convention planners	32 380	19.72	41 020	17.99
Accountants and auditors	888 690	25.59	53 230	22.60
Appraisers and assessors of real estate	57 160	22.18	46 120	20.08
Budget analysts	58 900	26.67	55 470	25.23
Credit analysts	65 700	23.81	49 530	20.63
Financial analysts	159 920	32.30	67 180	27.45
Personal financial advisors	77 010	37.72	78 460	27.25
Insurance underwriters	95 620	24.49	50 940	21.92
Financial examiners	23 890	29.60	61 570	27.03
Loan counselors	29 780	17.52	36 450	15.39
Loan officers	218 470	25.08	52 160	21.15
Tax examiners, collectors, and revenue agents	69 320	21.99	45 730	20.31
Tax preparers	54 330	15.21	31 630	12.32
COMPUTER AND MATHEMATICAL OPERATIONS OCCUPATIONS				
Computer and information scientists, research	24 410	38.71	80 510	37.38
Computer programmers	457 320	30.62	63 690	28.98
Computer software engineers, applications	356 760	35.48	73 800	34.09
Computer software engineers, systems software	255 040	36.46	75 840	35.60
Computer support specialists	478 560	20.35	42 320	18.80
Computer systems analysts	467 750	31.20	64 890	30.24
Database administrators	102 090	28.41	59 080	26.68
Network and computer systems administrators	232 560	27.70	57 620	26.35
Network systems and data communications analysts	133 460	29.51	61 390	28.09
Actuaries	14 440	38.84	80 780	33.64

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

²Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Mathematicians	2 600	36.35	75 610	36.77
Operations research analysts	56 310	29.27	60 890	27.36
Statisticians	17 820	28.85	60 000	27.44
Mathematical technicians	1 970	20.64	42 920	17.56
ARCHITECTURE AND ENGINEERING OCCUPATIONS				
Architects, except landscape and naval	87 700	30.06	62 530	27.22
Landscape architects	17 460	25.02	52 050	22.79
Cartographers and photogrammetrists	8 040	21.72	45 180	20.61
Surveyors	53 340	20.50	42 630	19.22
Aerospace engineers	74 210	35.63	74 110	34.97
Agricultural engineers	2 500	26.79	55 730	24.38
Biomedical engineers	7 130	30.97	64 420	29.04
Chemical engineers	32 110	36.06	75 010	34.85
Civil engineers	207 480	30.29	63 010	28.88
Computer hardware engineers	67 180	36.61	76 150	34.69
Electrical engineers	146 180	33.88	70 480	32.78
Electronics engineers, except computer	126 020	34.43	71 600	33.62
Environmental engineers	45 720	30.50	63 440	29.52
Health and safety engineers, except mining safety engineers and inspectors	34 160	28.77	59 830	27.89
Industrial engineers	151 760	30.57	63 590	29.88
Marine engineers and naval architects	4 810	32.83	68 280	32.04
Materials engineers	22 780	30.92	64 310	30.09
Mechanical engineers	203 620	31.33	65 170	30.23
Mining and geological engineers, including mining safety engineers	5 050	31.14	64 770	29.70
Nuclear engineers	15 180	39.57	82 300	39.11
Petroleum engineers	11 130	41.13	85 540	40.08
Architectural and civil drafters	101 190	18.78	39 060	17.95
Electrical and electronics drafters	35 470	21.16	44 020	19.76
Mechanical drafters	68 280	20.71	43 080	19.58
Aerospace engineering and operations technicians	14 700	25.48	52 990	24.83
Civil engineering technicians	88 380	18.71	38 910	18.13
Electrical and electronic engineering technicians	194 960	21.26	44 210	20.65
Electro-mechanical technicians	30 360	19.20	39 930	18.33
Environmental engineering technicians	18 770	18.93	39 380	17.72
Industrial engineering technicians	59 700	21.79	45 310	20.15
Mechanical engineering technicians	53 630	20.60	42 850	19.85
Surveying and mapping technicians	55 670	15.27	31 760	14.05
LIFE, PHYSICAL, AND SOCIAL SCIENCE OCCUPATIONS				
Agricultural and food scientists	14 920	25.38	52 800	23.40
Biochemists and biophysicists	15 190	31.55	65 620	29.03
Microbiologists	14 730	26.78	55 700	24.53
Zoologists and wildlife biologists	12 970	23.68	49 250	22.95
Conservation scientists	13 600	24.43	50 820	24.20
Foresters	9 760	23.11	48 060	22.47
Epidemiologists	3 760	27.98	58 190	25.89
Medical scientists, except epidemiologists	53 840	31.83	66 200	27.40
Astronomers	900	38.71	80 510	39.27
Physicists	11 480	42.08	87 530	40.88
Atmospheric and space scientists	7 210	29.33	61 000	28.94
Chemists	82 050	27.72	57 670	25.43
Materials scientists	7 090	32.33	67 240	31.05
Environmental scientists and specialists, including health	60 380	24.51	50 970	22.88
Geoscientists, except hydrologists and geographers	26 130	37.83	78 690	32.44
Hydrologists	7 390	28.28	58 820	27.18
Economists	13 290	36.62	76 180	32.96
Market research analysts	122 000	28.97	60 260	25.87
Survey researchers	18 350	14.60	30 360	10.67
Clinical, counseling, and school psychologists	100 560	27.18	56 540	24.60
Industrial-organizational psychologists	1 360	33.49	69 670	30.63
Sociologists	2 630	27.17	56 520	25.56
Urban and regional planners	30 460	24.98	51 960	23.98
Anthropologists and archeologists	4 410	20.38	42 380	18.57
Geographers	740	26.10	54 290	25.68
Historians	2 110	21.68	45 090	20.21
Political scientists	5 300	38.48	80 040	38.73
Agricultural and food science technicians	15 990	14.91	31 010	13.74
Biological technicians	45 630	16.65	34 630	15.73
Chemical technicians	67 230	18.70	38 890	18.00

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Geological and petroleum technicians	10 690	19.94	41 470	18.96
Nuclear technicians	5 620	29.43	61 220	28.84
Environmental science and protection technicians, including health	26 380	17.96	37 370	16.98
Forensic science technicians	7 830	20.81	43 280	19.73
Forest and conservation technicians	17 160	15.72	32 700	14.90
COMMUNITY AND SOCIAL SERVICE OCCUPATIONS				
Substance abuse and behavioral disorder counselors	63 310	15.32	31 860	14.51
Educational, vocational, and school counselors	208 340	22.19	46 160	21.20
Marriage and family therapists	22 130	18.45	38 370	17.11
Mental health counselors	81 030	15.77	32 800	14.39
Rehabilitation counselors	110 580	13.75	28 590	12.43
Child, family, and school social workers	259 990	17.14	35 640	15.94
Medical and public health social workers	103 180	18.71	38 920	17.97
Mental health and substance abuse social workers	91 240	16.76	34 860	15.79
Health educators	43 240	18.84	39 190	17.43
Probation officers and correctional treatment specialists	78 990	19.81	41 210	18.44
Social and human service assistants	291 410	12.04	25 040	11.24
Clergy	36 450	17.35	36 080	15.92
Directors, religious activities and education	13 120	15.54	32 330	13.47
LEGAL OCCUPATIONS				
Lawyers	504 370	50.91	105 890	43.41
Administrative law judges, adjudicators, and hearing officers	16 700	32.76	68 130	31.03
Arbitrators, mediators, and conciliators	5 090	26.91	55 970	22.75
Judges, magistrate judges, and magistrates	25 100	40.97	85 210	45.23
Paralegals and legal assistants	193 300	19.51	40 590	18.25
Court reporters	15 270	21.59	44 910	19.98
Law clerks	41 760	15.42	32 070	14.65
Title examiners, abstractors, and searchers	48 060	17.93	37 300	15.68
EDUCATION, TRAINING, AND LIBRARY OCCUPATIONS				
Business teachers, postsecondary	66 520	(2)	61 400	(2)
Computer science teachers, postsecondary	32 990	(2)	55 330	(2)
Mathematical science teachers, postsecondary	41 140	(2)	55 060	(2)
Architecture teachers, postsecondary	5 290	(2)	61 930	(2)
Engineering teachers, postsecondary	29 310	(2)	73 100	(2)
Agricultural sciences teachers, postsecondary	11 070	(2)	67 660	(2)
Biological science teachers, postsecondary	47 150	(2)	67 750	(2)
Forestry and conservation science teachers, postsecondary	2 350	(2)	68 030	(2)
Atmospheric, earth, marine, and space sciences teachers, postsecondary	8 270	(2)	67 320	(2)
Chemistry teachers, postsecondary	17 670	(2)	60 800	(2)
Environmental science teachers, postsecondary	3 760	(2)	63 380	(2)
Physics teachers, postsecondary	11 940	(2)	66 960	(2)
Anthropology and archeology teachers, postsecondary	4 490	(2)	62 910	(2)
Area, ethnic, and cultural studies teachers, postsecondary	6 040	(2)	61 180	(2)
Economics teachers, postsecondary	11 560	(2)	68 370	(2)
Geography teachers, postsecondary	3 920	(2)	59 790	(2)
Political science teachers, postsecondary	11 910	(2)	62 110	(2)
Psychology teachers, postsecondary	25 790	(2)	58 680	(2)
Sociology teachers, postsecondary	13 580	(2)	56 510	(2)
Health specialties teachers, postsecondary	85 770	(2)	72 820	(2)
Nursing instructors and teachers, postsecondary	36 500	(2)	52 970	(2)
Education teachers, postsecondary	42 300	(2)	52 240	(2)
Library science teachers, postsecondary	3 760	(2)	54 480	(2)
Criminal justice and law enforcement teachers, postsecondary	8 870	(2)	48 890	(2)
Law teachers, postsecondary	10 260	(2)	88 020	(2)
Social work teachers, postsecondary	6 480	(2)	56 070	(2)
Art, drama, and music teachers, postsecondary	58 130	(2)	52 350	(2)
Communications teachers, postsecondary	19 660	(2)	52 050	(2)
English language and literature teachers, postsecondary	55 150	(2)	51 310	(2)
Foreign language and literature teachers, postsecondary	19 730	(2)	50 410	(2)
History teachers, postsecondary	17 500	(2)	56 200	(2)
Philosophy and religion teachers, postsecondary	14 480	(2)	53 760	(2)
Graduate teaching assistants	128 470	(2)	25 420	(2)
Home economics teachers, postsecondary	4 490	(2)	53 650	(2)
Recreation and fitness studies teachers, postsecondary	14 650	(2)	46 480	(2)
Vocational education teachers, postsecondary	119 350	20.35	42 340	18.71
Preschool teachers, except special education	367 300	10.45	21 730	9.26
Kindergarten teachers, except special education	162 560	(2)	42 040	(2)
Elementary school teachers, except special education	1 443 160	(2)	44 080	(2)
Middle school teachers, except special and vocational education	582 620	(2)	44 110	(2)

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

²Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Vocational education teachers, middle school	17 730	(2)	44 650	(2)
Secondary school teachers, except special and vocational education	984 600	(2)	46 010	(2)
Vocational education teachers, secondary school	106 920	(2)	45 850	(2)
Special education teachers, preschool, kindergarten, and elementary school	211 530	(2)	45 510	(2)
Special education teachers, middle school	89 350	(2)	44 150	(2)
Special education teachers, secondary school	134 870	(2)	47 270	(2)
Adult literacy, remedial education, and GED teachers and instructors	61 440	19.94	41 470	17.50
Self-enrichment education teachers	136 780	15.82	32 910	14.09
Archivists, curators, and museum technicians	20 100	19.11	39 750	16.96
Librarians	156 920	21.36	44 430	20.72
Library technicians	111 240	12.16	25 280	11.58
Audio-visual collections specialists	9 040	17.01	35 370	15.56
Farm and home management advisors	12 760	20.12	41 850	18.96
Instructional coordinators	90 350	23.80	49 510	22.77
Teacher assistants	1 227 220	(2)	19 930	(2)
ART, DESIGN, ENTERTAINMENT, SPORTS, AND MEDIA OCCUPATIONS				
Art directors	23 200	33.55	69 790	29.74
Fine artists, including painters, sculptors, and illustrators	10 280	21.03	43 750	16.95
Multi-media artists and animators	34 150	24.45	50 860	21.14
Commercial and industrial designers	35 270	26.04	54 160	25.12
Fashion designers	10 310	28.93	60 160	24.66
Floral designers	66 480	9.90	20 600	9.37
Graphic designers	141 830	19.89	41 380	17.64
Interior designers	40 670	21.04	43 770	18.84
Merchandise displayers and window trimmers	53 350	12.25	25 470	10.84
Set and exhibit designers	8 280	17.91	37 250	16.28
Actors	52 560	(2)	42 820	(2)
Producers and directors	50 780	(2)	61 500	(2)
Athletes and sports competitors	10 400	(2)	92 540	(2)
Coaches and scouts	87 720	(2)	34 170	(2)
Umpires, referees, and other sports officials	9 190	(2)	27 010	(2)
Dancers	16 580	13.17	27 390	10.14
Choreographers	15 320	16.24	33 790	14.17
Music directors and composers	8 980	(2)	39 270	(2)
Musicians and singers	53 940	(2)	48 240	(2)
Announcers	49 790	14.03	29 190	9.91
News analysts, reporters and correspondents	61 100	18.83	39 160	14.67
Public relations specialists	136 360	22.40	46 590	20.05
Editors	106 520	22.60	47 010	19.79
Technical writers	44 780	25.63	53 310	24.32
Writers and authors	41 990	24.18	50 300	20.57
Interpreters and translators	18 600	16.78	34 900	15.67
Audio and video equipment technicians	35 770	17.57	36 550	14.96
Broadcast technicians	31 520	16.44	34 200	13.35
Radio operators	2 510	16.53	34 380	15.16
Sound engineering technicians	11 110	22.00	45 750	17.77
Photographers	63 140	13.85	28 810	11.56
Camera operators, television, video, and motion picture	21 370	17.73	36 880	15.73
Film and video editors	15 180	21.42	44 540	18.40
HEALTHCARE PRACTITIONERS AND TECHNICAL OCCUPATIONS				
Chiropractors	20 630	40.12	83 440	31.41
Dentists	92 460	64.11	133 350	59.24
Dietitians and nutritionists	45 150	20.16	41 920	19.79
Optometrists	23 040	45.89	95 440	41.39
Pharmacists	219 390	36.13	75 140	37.04
Anesthesiologists	24 780	87.22	181 420	(3)
Family and general practitioners	115 020	65.51	136 260	62.79
Internists, general	50 380	76.13	158 350	(3)
Obstetricians and gynecologists	19 970	86.37	179 640	(3)
Pediatricians, general	27 320	68.44	142 360	64.11
Psychiatrists	19 750	65.01	135 220	62.95
Surgeons	51 580	91.15	189 590	(3)
Physician assistants	61 910	30.53	63 490	31.09
Podiatrists	7 490	51.65	107 430	45.61
Registered nurses	2 239 530	23.96	49 840	23.12
Audiologists	10 180	24.92	51 840	23.27
Occupational therapists	78 580	25.50	53 040	24.99
Physical therapists	130 290	28.93	60 180	27.56
Radiation therapists	13 510	28.90	60 110	24.35
Recreational therapists	26 130	15.23	31 670	14.68

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.²Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.³Median hourly wage is equal to or greater than \$70.00 per hour.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Respiratory therapists	85 350	19.57	40 700	19.34
Speech-language pathologists	87 030	24.75	51 490	23.77
Veterinarians	42 900	35.44	73 720	30.33
Medical and clinical laboratory technologists	146 480	21.00	43 670	20.63
Medical and clinical laboratory technicians	144 120	14.58	30 330	13.96
Dental hygienists	148 530	27.78	57 790	26.59
Cardiovascular technologists and technicians	42 870	18.12	37 680	17.52
Diagnostic medical sonographers	36 530	23.90	49 710	23.40
Nuclear medicine technologists	17 090	25.13	52 260	23.44
Radiologic technologists and technicians	173 540	19.30	40 150	18.74
Emergency medical technicians and paramedics	178 700	12.78	26 570	11.55
Dietetic technicians	28 910	11.59	24 100	10.81
Pharmacy technicians	207 380	11.15	23 200	10.70
Psychiatric technicians	58 600	13.49	28 060	12.36
Respiratory therapy technicians	26 220	16.79	34 930	16.41
Surgical technologists	72 040	15.36	31 960	15.00
Veterinary technologists and technicians	54 040	11.56	24 050	11.03
Licensed practical and licensed vocational nurses	692 290	15.53	32 300	15.12
Medical records and health information technicians	145 270	12.49	25 980	11.49
Opticians, dispensing	61 790	13.38	27 830	12.31
Orthotists and prosthetists	4 480	25.68	53 410	22.24
Occupational health and safety specialists and technicians	39 060	22.85	47 530	22.12
Athletic trainers	13 500	(2)	36 070	(2)
HEALTHCARE SUPPORT OCCUPATIONS				
Home health aides	569 670	9.16	19 050	8.70
Nursing aides, orderlies, and attendants	1 329 310	9.87	20 540	9.59
Psychiatric aides	56 260	11.42	23 760	11.04
Occupational therapist assistants	17 970	17.76	36 950	17.62
Occupational therapist aides	8 040	11.78	24 510	10.60
Physical therapist assistants	50 430	17.48	36 360	17.34
Physical therapist aides	37 330	10.63	22 120	9.94
Massage therapists	27 160	16.21	33 720	13.75
Dental assistants	268 220	13.42	27 910	13.10
Medical assistants	361 960	11.93	24 810	11.51
Medical equipment preparers	35 490	11.50	23 910	11.04
Medical transcriptionists	99 160	13.33	27 730	13.05
Pharmacy aides	58 020	9.47	19 700	8.86
Veterinary assistants and laboratory animal caretakers	62 740	9.07	18 870	8.55
PROTECTIVE SERVICE OCCUPATIONS				
First-line supervisors, managers of correctional officers	31 210	22.59	47 000	21.60
First-line supervisors, managers of police and detectives	109 530	29.64	61 650	29.33
First-line supervisors, managers of fire fighting and prevention workers	60 900	27.28	56 750	26.66
Fire fighters	273 850	18.04	37 530	17.42
Fire inspectors and investigators	12 140	22.11	46 000	21.64
Forest fire inspectors and prevention specialists	1 450	19.58	40 720	18.04
Bailiffs	14 390	16.47	34 250	15.73
Correctional officers and jailers	400 190	16.66	34 650	15.71
Detectives and criminal investigators	88 460	25.46	52 960	24.71
Fish and game wardens	7 080	21.12	43 920	19.72
Parking enforcement workers	10 180	14.07	29 260	13.52
Police and sheriff's patrol officers	597 650	20.86	43 390	20.32
Transit and railroad police	6 010	22.00	45 750	21.01
Animal control workers	10 420	12.49	25 980	11.91
Private detectives and investigators	31 170	16.47	34 250	14.09
Gaming surveillance officers and gaming investigators	8 760	11.79	24 520	11.11
Security guards	977 650	10.13	21 060	9.20
Crossing guards	73 020	9.79	20 370	8.98
FOOD PREPARATION AND SERVING-RELATED OCCUPATIONS				
Chefs and head cooks	120 430	15.38	32 000	13.43
First-line supervisors, managers of food preparation and serving workers	661 050	12.78	26 590	11.73
Cooks, fast food	582 630	7.18	14 930	6.90
Cooks, institution and cafeteria	416 710	9.23	19 190	8.72
Cooks, restaurant	715 520	9.54	19 850	9.16
Cooks, short order	223 030	8.24	17 130	7.82
Food preparation workers	836 540	8.27	17 200	7.85
Bartenders	453 390	8.12	16 900	7.21
Combined food preparation and serving workers, including fast food	2 000 070	7.28	15 150	6.97
Counter attendants, cafeteria, food concession, and coffee shop	466 270	7.74	16 090	7.32

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

²Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Waiters and waitresses	2 086 120	7.58	15 770	6.80
Food servers, nonrestaurant	193 980	8.21	17 070	7.52
Dining room and cafeteria attendants and bartender helpers	404 210	7.37	15 330	6.99
Dishwashers	499 070	7.41	15 410	7.15
Hosts and hostesses, restaurant, lounge, and coffee shop	295 170	7.76	16 130	7.36
BUILDING AND GROUNDS CLEANING AND MAINTENANCE OCCUPATIONS				
First-line supervisors, managers of housekeeping and janitorial workers	204 710	14.63	30 430	13.53
First-line supervisors, managers of landscaping, lawn service, and groundskeeping workers	95 600	17.41	36 220	15.89
Janitors and cleaners, except maids and housekeeping cleaners	2 052 090	9.69	20 150	8.77
Maids and housekeeping cleaners	912 340	8.33	17 330	7.90
Pest control workers	57 370	12.58	26 180	11.90
Landscaping and groundskeeping workers	792 170	10.33	21 490	9.51
Pesticide handlers, sprayers, and applicators, vegetation	22 000	12.48	25 960	11.94
Tree trimmers and pruners	43 530	12.92	26 870	12.07
PERSONAL CARE AND SERVICE OCCUPATIONS				
Gaming supervisors	25 610	19.32	40 180	18.89
Slot key persons	14 380	11.80	24 540	11.00
First-line supervisors, managers of personal service workers	106 680	15.45	32 130	13.92
Animal trainers	6 780	13.08	27 210	11.03
Nonfarm animal caretakers	86 700	9.01	18 750	8.21
Gaming dealers	75 690	7.82	16 270	6.78
Gaming and sports book writers and runners	13 820	9.95	20 700	8.97
Motion picture projectionists	9 600	9.82	20 420	7.97
Ushers, lobby attendants, and ticket takers	106 050	7.93	16 490	7.02
Amusement and recreation attendants	225 100	7.87	16 360	7.18
Costume attendants	3 660	12.93	26 890	11.62
Locker room, coatroom, and dressing room attendants	21 660	8.55	17 780	8.14
Embalmers	6 790	17.38	36 160	16.46
Funeral attendants	25 950	9.52	19 800	8.75
Barbers	18 350	10.77	22 390	9.40
Hairdressers, hairstylists, and cosmetologists	330 730	10.63	22 110	9.12
Makeup artists, theatrical and performance	830	15.44	32 120	11.89
Manicurists and pedicurists	31 350	9.04	18 810	8.33
Shampooers	15 410	7.30	15 190	6.91
Skin care specialists	15 580	12.33	25 650	10.80
Baggage porters and bellhops	57 650	10.79	22 440	8.58
Concierges	16 770	11.39	23 680	10.44
Tour guides and escorts	28 480	9.63	20 040	8.90
Travel guides	4 960	14.25	29 640	12.55
Flight attendants	104 360	(2)	50 460	(2)
Transportation attendants, except flight attendants and baggage porters	26 580	10.07	20 940	9.00
Child care workers	456 260	8.32	17 310	7.86
Personal and home care aides	451 040	8.07	16 790	7.81
Fitness trainers and aerobics instructors	169 920	14.38	29 910	11.51
Recreation workers	267 930	9.89	20 580	8.69
Residential advisors	48 530	10.77	22 410	9.95
SALES AND RELATED OCCUPATIONS				
First-line supervisors, managers of retail sales workers	1 197 190	16.72	34 770	14.28
First-line supervisors, managers of non-retail sales workers	325 450	30.90	64 270	25.49
Cashiers	3 375 510	8.02	16 680	7.41
Gaming change persons and booth cashiers	32 930	9.66	20 090	9.42
Counter and rental clerks	425 380	9.64	20 040	8.31
Parts salespersons	243 170	12.82	26 670	11.51
Retail salespersons	3 894 760	10.46	21 750	8.51
Advertising sales agents	141 360	22.89	47 610	18.11
Insurance sales agents	274 830	25.86	53 800	19.59
Securities, commodities, and financial services sales agents	254 600	41.21	85 710	29.32
Travel agents	104 550	13.64	28 370	12.80
Sales representatives, wholesale and manufacturing, technical and scientific products	371 580	30.51	63 460	26.80
Sales representatives, wholesale and manufacturing, except technical and scientific products	1 375 380	24.58	51 130	20.54
Demonstrators and product promoters	101 420	12.19	25 360	9.80
Models	2 260	12.15	25 280	10.29
Real estate brokers	40 810	34.68	72 130	24.20
Real estate sales agents	125 960	20.42	42 470	14.87
Sales engineers	79 300	33.27	69 200	30.61
Telemarketers	419 740	10.74	22 330	9.40
Door-to-door sales workers, news and street vendors, and related workers	25 780	14.48	30 120	12.18

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

²Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
OFFICE AND ADMINISTRATIVE SUPPORT OCCUPATIONS				
First-line supervisors, managers of office and administrative support workers	1 400 240	20.22	42 060	18.66
Switchboard operators, including answering service	226 890	10.56	21 970	10.19
Telephone operators	46 420	14.11	29 340	13.75
Bill and account collectors	407 280	13.62	28 330	12.88
Billing and posting clerks and machine operators	491 000	13.04	27 120	12.55
Bookkeeping, accounting, and auditing clerks	1 728 730	13.77	28 650	13.16
Gaming cage workers	18 320	10.77	22 400	10.47
Payroll and timekeeping clerks	191 500	14.50	30 150	13.94
Procurement clerks	73 570	14.61	30 380	14.23
Tellers	526 750	9.97	20 750	9.81
Brokerage clerks	75 480	17.09	35 540	15.97
Correspondence clerks	32 160	13.01	27 060	12.48
Court, municipal, and license clerks	99 010	14.04	29 210	13.12
Credit authorizers, checkers, and clerks	79 400	13.92	28 960	12.83
Customer service representatives	1 854 750	13.58	28 240	12.62
Eligibility interviewers, government programs	89 400	15.59	32 440	14.91
File clerks	258 680	10.19	21 190	9.63
Hotel, motel, and resort desk clerks	176 140	8.71	18 110	8.35
Interviewers, except eligibility and loan	190 390	11.07	23 020	10.43
Library assistants, clerical	113 760	10.04	20 880	9.35
Loan interviewers and clerks	163 660	14.09	29 300	13.38
New accounts clerks	97 770	12.80	26 620	12.11
Order clerks	327 120	12.67	26 350	11.93
Human resources assistants, except payroll and timekeeping	167 480	15.16	31 530	14.62
Receptionists and information clerks	1 063 020	10.56	21 970	10.17
Reservation and transportation ticket agents and travel clerks	174 170	13.78	28 670	12.19
Cargo and freight agents	59 440	16.03	33 350	15.10
Couriers and messengers	120 900	9.96	20 720	9.32
Police, fire, and ambulance dispatchers	89 280	13.89	28 900	13.30
Dispatchers, except police, fire, and ambulance	168 380	15.70	32 660	14.56
Meter readers, utilities	52 510	14.74	30 660	13.86
Postal service clerks	79 760	18.72	38 930	19.08
Postal service mail carriers	347 420	18.80	39 110	19.00
Postal service mail sorters, processors, and processing machine operators	262 440	16.86	35 080	18.34
Production, planning, and expediting clerks	279 640	16.87	35 080	16.18
Shipping, receiving, and traffic clerks	792 470	12.02	24 990	11.26
Stock clerks and order fillers	1 608 230	10.21	21 240	9.26
Weighers, measurers, checkers, and samplers, recordkeeping	77 050	12.85	26 740	11.62
Executive secretaries and administrative assistants	1 407 950	16.85	35 050	16.06
Legal secretaries	259 010	17.59	36 580	16.84
Medical secretaries	336 200	12.83	26 690	12.23
Secretaries, except legal, medical, and executive	1 796 480	12.69	26 390	12.16
Computer operators	172 640	15.21	31 640	14.26
Data entry keyers	376 970	11.15	23 190	10.77
Word processors and typists	209 200	13.38	27 830	12.85
Desktop publishers	34 280	16.21	33 730	15.20
Insurance claims and policy processing clerks	252 590	14.95	31 090	13.88
Mail clerks and mail machine operators, except postal service	161 850	10.64	22 130	10.19
Office clerks, general	2 857 300	11.32	23 540	10.71
Office machine operators, except computer	93 340	11.25	23 400	10.47
Proofreaders and copy markers	25 310	12.62	26 240	11.68
Statistical assistants	22 330	15.00	31 190	14.17
FARMING, FISHING, AND FORESTRY OCCUPATIONS				
First-line supervisors, managers of farming, fishing, and forestry workers	20 910	17.78	36 970	16.43
Farm labor contractors	5 830	12.61	26 220	7.39
Agricultural inspectors	13 760	15.09	31 380	13.76
Animal breeders	1 590	14.11	29 340	12.06
Graders and sorters, agricultural products	54 500	8.50	17 670	7.67
Agricultural equipment operators	21 830	9.25	19 240	8.31
Farmworkers and laborers, crop, nursery, and greenhouse	218 020	7.86	16 340	7.24
Farmworkers, farm and ranch animals	38 260	8.93	18 560	8.22
Forest and conservation workers	9 140	10.93	22 730	9.12
Fallers	10 180	15.43	32 090	13.54
Logging equipment operators	29 060	13.39	27 850	12.88
Log graders and scalers	4 730	13.87	28 840	13.08

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
CONSTRUCTION AND EXTRACTION OCCUPATIONS				
First-line supervisors, managers of construction trades, and extraction workers	508 620	24.50	50 960	22.92
Boilermakers	24 560	20.46	42 550	20.17
Brickmasons and blockmasons	109 900	20.48	42 600	20.11
Stonemasons	12 870	17.08	35 530	16.36
Carpenters	856 750	17.71	36 840	16.44
Carpet installers	38 320	16.79	34 920	15.67
Floor layers, except carpet, wood, and hard tiles	14 840	16.82	34 990	16.15
Floor sanders and finishers	7 740	14.51	30 180	13.22
Tile and marble setters	33 550	18.15	37 740	17.20
Cement masons and concrete finishers	177 930	16.25	33 800	14.74
Terrazzo workers and finishers	6 130	14.82	30 830	13.42
Construction laborers	830 860	13.73	28 570	11.90
Paving, surfacing, and tamping equipment operators	58 760	15.62	32 490	13.87
Pile-driver operators	4 670	22.10	45 980	21.84
Operating engineers and other construction equipment operators	343 710	18.42	38 320	16.94
Drywall and ceiling tile installers	111 600	17.48	36 350	16.21
Tapers	33 320	19.49	40 550	18.75
Electricians	593 010	21.11	43 910	19.90
Glaziers	46 950	16.67	34 660	15.20
Insulation workers	51 740	15.63	32 500	13.91
Painters, construction, and maintenance	257 140	15.20	31 620	13.98
Paperhangers	9 450	16.21	33 720	15.22
Pipelayers	52 380	15.26	31 740	13.70
Plumbers, pipefitters, and steamfitters	438 560	20.49	42 630	19.31
Plasterers and stucco masons	54 290	17.07	35 500	15.91
Reinforcing iron and rebar workers	29 540	19.54	40 640	17.66
Roofers	117 140	15.88	33 020	14.51
Sheet metal workers	197 110	18.08	37 620	16.62
Structural iron and steel workers	74 700	20.37	42 360	19.55
Helpers-brickmasons, blockmasons, stonemasons, and tile and marble setters	60 740	13.06	27 170	11.73
Helpers-carpenters	97 900	10.90	22 670	10.34
Helpers-electricians	97 690	11.80	24 540	11.10
Helpers-painters, paperhangers, plasterers, and stucco masons	31 320	10.70	22 260	9.66
Helpers-pipelayers, plumbers, pipefitters, and steamfitters	78 570	11.30	23 510	10.69
Helpers-roofers	21 940	10.47	21 780	9.85
Construction and building inspectors	75 190	20.71	43 070	20.01
Elevator installers and repairers	20 920	25.74	53 540	25.99
Fence erectors	21 730	12.10	25 170	10.65
Hazardous materials removal workers	37 350	17.12	35 610	15.61
Highway maintenance workers	146 290	14.06	29 250	13.65
Rail-track laying and maintenance equipment operators	10 450	16.75	34 840	16.90
Septic tank servicers and sewer pipe cleaners	15 530	14.30	29 750	13.43
Segmental pavers	2 100	14.25	29 630	12.95
Derrick operators, oil and gas	14 120	15.28	31 780	14.34
Rotary drill operators, oil and gas	13 110	17.46	36 320	16.23
Service unit operators, oil, gas, and mining	12 310	15.13	31 480	13.78
Earth drillers, except oil and gas	19 830	16.56	34 450	15.62
Explosives workers, ordnance handling experts, and blasters	4 850	17.33	36 050	16.88
Continuous mining machine operators	8 100	17.06	35 490	16.75
Mine cutting and channeling machine operators	5 060	18.02	37 490	18.07
Rock splitters, quarry	2 610	13.49	28 070	12.58
Roof bolters, mining	3 980	18.28	38 020	18.47
Roustabouts, oil and gas	31 960	11.62	24 160	10.71
Helpers-extraction workers	28 690	12.86	26 750	12.12
INSTALLATION, MAINTENANCE, AND REPAIR OCCUPATIONS				
First-line supervisors, managers of mechanics, installers, and repairers	433 640	24.05	50 030	22.87
Computer, automated teller, and office machine workers	135 380	16.73	34 810	15.98
Radio mechanics	6 960	18.37	38 210	17.42
Telecommunications equipment installers and repairers, except line installers	195 680	21.90	45 550	22.78
Avionics technicians	21 710	20.39	42 410	20.21
Electric motor, power tool, and related repairers	28 720	16.36	34 030	15.49
Electrical and electronics installers and repairers, transportation equipment	17 320	18.56	38 590	18.56
Electrical and electronics repairers, commercial and industrial equipment	82 320	19.60	40 760	19.77
Electrical and electronics repairers, powerhouse, substation, and relay	20 040	24.02	49 970	24.85
Electronic equipment installers and repairers, motor vehicles	15 200	13.27	27 600	12.51
Electronic home entertainment equipment installers and repairers	30 600	14.01	29 150	13.08
Security and fire alarm systems installers	43 310	16.53	34 390	15.56
Aircraft mechanics and service technicians	125 850	20.97	43 620	20.71
Automotive body and related repairers	175 370	16.93	35 200	15.71
Automotive glass installers and repairers	19 710	13.49	28 050	12.93

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Automotive service technicians and mechanics	687 380	15.79	32 830	14.71
Bus and truck mechanics and diesel engine specialists	254 470	17.01	35 380	16.53
Farm equipment mechanics	32 330	13.44	27 950	13.03
Mobile heavy equipment mechanics, except engines	113 340	17.69	36 790	17.29
Rail car repairers	13 520	18.35	38 170	18.78
Motorboat mechanics	18 550	14.57	30 310	13.97
Motorcycle mechanics	13 030	13.80	28 690	13.03
Outdoor power equipment and other small engine mechanics	25 170	12.47	25 950	11.93
Bicycle repairers	7 000	9.62	20 000	9.25
Recreational vehicle service technicians	12 490	13.72	28 530	13.02
Tire repairers and changers	81 560	10.45	21 730	9.69
Mechanical door repairers	10 730	15.42	32 080	14.03
Control and valve installers and repairers, except mechanical door	36 720	20.54	42 730	20.90
Heating, air conditioning, and refrigeration mechanics and installers	206 870	17.51	36 430	16.78
Home appliance repairers	34 750	15.47	32 180	14.61
Industrial machinery mechanics	179 640	18.95	39 410	18.26
Maintenance and repair workers, general	1 212 620	14.91	31 010	14.12
Maintenance workers, machinery	90 500	16.23	33 750	15.63
Millwrights	67 900	20.50	42 630	20.19
Refractory materials repairers, except brickmasons	3 330	17.43	36 240	16.88
Electrical power-line installers and repairers	96 040	22.68	47 170	23.33
Telecommunications line installers and repairers	156 160	19.02	39 560	19.06
Camera and photographic equipment repairers	5 220	15.57	32 390	15.09
Medical equipment repairers	21 770	18.39	38 250	17.49
Musical instrument repairers and tuners	4 870	15.97	33 210	14.15
Watch repairers	3 710	14.09	29 310	12.77
Coin, vending, and amusement machine servicers and repairers	33 520	13.58	28 250	13.16
Commercial divers	2 930	21.93	45 620	16.69
Fabric menders, except garment	2 030	13.74	28 580	12.35
Locksmiths and safe repairers	18 970	14.54	30 250	13.67
Manufactured building and mobile home installers	13 780	11.51	23 940	11.14
Riggers	13 770	17.03	35 420	16.25
Signal and track switch repairers	7 990	20.98	43 640	20.85
Helpers—installation, maintenance, and repair workers	148 770	11.33	23 560	10.31
PRODUCTION OCCUPATIONS				
First-line supervisors, managers of production and operating workers	700 490	22.08	45 920	20.64
Aircraft structures, surfaces, rigging, and systems assemblers	25 690	18.18	37 810	18.71
Coil winders, tapers, and finishers	34 710	11.88	24 700	11.07
Electrical and electronic equipment assemblers	267 030	11.84	24 640	11.03
Electromechanical equipment assemblers	57 500	12.75	26 510	12.15
Engine and other machine assemblers	49 280	14.93	31 050	14.02
Structural metal fabricators and fitters	87 020	14.42	29 990	13.76
Fiberglass laminators and fabricators	36 470	12.61	26 220	11.83
Team assemblers	1 139 360	11.88	24 710	10.90
Timing device assemblers, adjusters, and calibrators	6 230	12.58	26 160	11.63
Bakers	161 820	10.64	22 120	9.89
Butchers and meat cutters	129 840	13.06	27 160	12.26
Meat, poultry, and fish cutters and trimmers	150 920	9.03	18 790	8.57
Slaughterers and meat packers	126 460	9.81	20 410	9.79
Food and tobacco roasting, baking, and drying machine operators and tenders	19 180	12.06	25 080	11.18
Food batchmakers	71 930	11.17	23 240	10.54
Food cooking machine operators and tenders	34 140	11.13	23 160	10.51
Computer-controlled machine tool operators, metal and plastic	128 400	14.57	30 310	13.97
Numerical tool and process control programmers	18 910	18.80	39 100	18.04
Extruding and drawing machine setters, operators, and tenders, metal and plastic	96 270	12.83	26 690	12.44
Forging machine setters, operators, and tenders, metal and plastic	44 920	13.90	28 910	12.64
Rolling machine setters, operators, and tenders, metal and plastic	42 270	14.19	29 510	13.62
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	277 410	12.47	25 940	11.81
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	51 730	14.14	29 400	13.23
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	99 580	13.49	28 070	12.56
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	72 270	15.12	31 450	14.55
Milling and planing machine setters, operators, and tenders, metal and plastic	30 340	14.57	30 300	14.04
Machinists	368 320	16.06	33 410	15.66
Metal-refining furnace operators and tenders	17 120	15.37	31 970	14.79
Pourers and casters, metal	12 900	14.05	29 230	13.40
Model makers, metal and plastic	8 360	18.92	39 360	18.27
Patternmakers, metal and plastic	6 300	17.03	35 420	16.09
Foundry mold and coremakers	21 960	13.14	27 340	12.55
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	147 060	12.12	25 200	11.17
Multiple machine tool setters, operators, and tenders, metal and plastic	96 560	14.93	31 050	13.79

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
Tool and die makers	105 210	20.98	43 630	20.54
Welders, cutters, solderers, and brazers	361 970	14.82	30 820	14.02
Welding, soldering, and brazing machine setters, operators, and tenders	56 280	15.20	31 620	13.90
Heat treating equipment setters, operators, and tenders, metal and plastic	28 410	14.35	29 860	13.56
Lay-out workers, metal and plastic	12 490	15.67	32 600	14.79
Plating and coating machine setters, operators, and tenders, metal and plastic	41 580	12.87	26 780	12.22
Tool grinders, filers, and sharpeners	22 700	14.94	31 080	14.14
Bindery workers	88 740	11.53	23 970	10.51
Bookbinders	7 170	14.27	29 680	13.31
Job printers	49 080	15.34	31 910	14.47
Prepress technicians and workers	89 370	15.88	33 040	14.98
Printing machine operators	189 590	14.80	30 780	13.95
Laundry and dry-cleaning workers	213 840	8.53	17 750	8.07
Pressers, textile, garment, and related materials	87 130	8.54	17 770	8.21
Sewing machine operators	277 800	8.99	18 710	8.39
Shoe and leather workers and repairers	9 860	9.84	20 460	9.14
Shoe machine operators and tenders	6 320	10.19	21 180	9.90
Sewers, hand	19 180	9.91	20 610	8.69
Tailors, dressmakers, and custom sewers	29 560	11.75	24 450	10.68
Textile bleaching and dyeing machine operators and tenders	25 950	10.21	21 230	10.00
Textile cutting machine setters, operators, and tenders	32 970	10.35	21 530	9.77
Textile knitting and weaving machine setters, operators, and tenders	49 410	11.16	23 210	11.05
Textile winding, twisting, and drawing out machine setters, operators, and tenders	62 800	10.96	22 810	10.54
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	26 620	13.32	27 710	13.22
Fabric and apparel patternmakers	10 800	15.33	31 890	12.67
Upholsterers	40 380	12.78	26 580	11.86
Cabinetmakers and bench carpenters	125 220	12.32	25 630	11.54
Furniture finishers	30 110	11.59	24 110	10.92
Model makers, wood	4 350	13.35	27 770	11.90
Patternmakers, wood	4 130	14.99	31 170	14.32
Sawing machine setters, operators, and tenders, wood	53 520	11.12	23 130	10.62
Woodworking machine setters, operators, and tenders, except sawing	89 860	11.13	23 160	10.59
Nuclear power reactor operators	3 400	29.76	61 910	29.36
Power distributors and dispatchers	11 670	26.08	54 240	26.02
Power plant operators	34 390	23.61	49 110	24.00
Stationary engineers and boiler operators	52 510	21.26	44 220	20.79
Water and liquid waste treatment plant and system operators	96 970	16.64	34 620	16.05
Chemical plant and system operators	55 910	21.00	43 680	21.12
Gas plant operators	11 940	23.24	48 340	23.24
Petroleum pump system operators, refinery operators, and gaugers	38 500	22.85	47 520	23.69
Chemical equipment operators and tenders	56 610	18.29	38 040	18.00
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	35 550	15.39	32 010	14.59
Crushing, grinding, and polishing machine setters, operators, and tenders	44 370	13.46	28 000	12.83
Grinding and polishing workers, hand	43 370	11.99	24 940	11.04
Mixing and blending machine setters, operators, and tenders	103 940	13.70	28 500	13.23
Cutters and trimmers, hand	30 910	11.84	24 630	10.59
Cutting and slicing machine setters, operators, and tenders	75 430	12.86	26 760	12.35
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	71 500	13.49	28 070	12.76
Furnace, kiln, oven, drier, and kettle operators and tenders	29 400	14.27	29 690	13.56
Inspectors, testers, sorters, samplers, and weighers	500 250	14.31	29 760	13.01
Jewelers and precious stone and metal workers	28 970	14.11	29 350	12.63
Dental laboratory technicians	40 440	15.17	31 560	13.70
Medical appliance technicians	11 870	15.07	31 340	13.31
Ophthalmic laboratory technicians	32 920	11.18	23 260	10.46
Packaging and filling machine operators and tenders	390 380	11.18	23 260	10.20
Coating, painting, and spraying machine setters, operators, and tenders	91 950	12.85	26 730	12.16
Painters, transportation equipment	45 670	17.17	35 700	16.13
Painting, coating, and decorating workers	30 830	11.07	23 020	10.19
Photographic process workers	27 360	11.07	23 020	9.72
Photographic processing machine operators	52 290	10.13	21 080	9.05
Semiconductor processors	43 630	14.01	29 140	13.14
Cementing and gluing machine operators and tenders	26 880	11.81	24 560	11.15
Cleaning, washing, and metal pickling equipment operators and tenders	18 010	11.91	24 780	10.99
Cooling and freezing equipment operators and tenders	7 280	11.41	23 730	10.21
Etchers and engravers	9 130	12.15	25 270	10.79
Molders, shapers, and casters, except metal and plastic	36 240	12.65	26 320	11.87
Paper goods machine setters, operators, and tenders	114 390	14.07	29 260	13.59
Tire builders	13 020	17.30	35 990	18.67
Helpers-production workers	464 390	9.97	20 730	9.25

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

Table 3-3. Employment and Wages by Occupation, 2002—Continued

(Number of persons, dollars.)

Occupational division and occupation	Employment	Mean hourly wages	Mean annual wages ¹	Median hourly wages
TRANSPORTATION AND MATERIAL MOVING OCCUPATIONS				
Aircraft cargo handling supervisors	8 920	19.82	41 220	17.90
First-line supervisors, managers of helpers, laborers, and material movers, hand	147 180	18.96	39 430	17.87
First-line supervisors, managers of transportation and material-moving machine and vehicle operators	207 280	21.96	45 670	20.63
Airline pilots, copilots, and flight engineers	78 810	(2)	122 230	(2)
Commercial pilots	19 570	(2)	58 000	(2)
Air traffic controllers	23 410	42.35	88 090	44.04
Airfield operations specialists	5 910	19.64	40 850	17.31
Ambulance drivers and attendants, except emergency medical technicians	17 280	10.02	20 840	9.18
Bus drivers, transit and intercity	197 090	14.81	30 810	14.22
Bus drivers, school	468 790	11.01	22 890	10.77
Driver, sales workers	368 730	11.43	23 780	9.92
Truck drivers, heavy and tractor-trailer	1 520 880	16.52	34 350	15.97
Truck drivers, light or delivery services	977 920	12.65	26 320	11.48
Taxi drivers and chauffeurs	125 720	10.01	20 830	8.91
Locomotive engineers	28 250	24.66	51 280	23.28
Locomotive firers	710	21.58	44 880	22.02
Rail yard engineers, dinky operators, and hostlers	4 600	19.52	40 600	18.07
Railroad brake, signal, and switch operators	15 030	21.99	45 750	20.93
Railroad conductors and yardmasters	38 070	23.69	49 280	21.39
Subway and streetcar operators	7 250	22.51	46 810	23.54
Sailors and marine oilers	25 360	14.69	30 550	13.64
Captains, mates, and pilots of water vessels	22 530	24.73	51 430	23.97
Motorboat operators	3 600	14.71	30 590	12.71
Ship engineers	8 020	25.09	52 190	24.61
Bridge and lock tenders	3 900	15.17	31 560	16.98
Parking lot attendants	108 460	8.30	17 270	7.84
Service station attendants	102 550	8.54	17 770	7.97
Traffic technicians	5 370	16.50	34 320	15.22
Transportation inspectors	28 340	23.06	47 970	23.30
Conveyor operators and tenders	59 240	12.40	25 790	11.66
Crane and tower operators	49 060	18.42	38 320	17.47
Dredge operators	2 850	14.30	29 740	13.33
Excavating and loading machine and dragline operators	67 210	16.77	34 880	15.58
Loading machine operators, underground mining	3 200	15.62	32 480	15.35
Hoist and winch operators	8 970	17.29	35 960	15.09
Industrial truck and tractor operators	586 660	13.34	27 740	12.54
Cleaners of vehicles and equipment	311 070	9.05	18 830	8.20
Laborers and freight, stock, and material movers, hand	2 217 590	10.32	21 460	9.48
Machine feeders and offbearers	162 670	11.23	23 360	10.50
Packers and packagers, hand	927 740	8.73	18 160	8.03
Gas compressor and gas pumping station operators	6 920	20.64	42 920	20.44
Pump operators, except wellhead pumpers	12 360	18.58	38 640	17.53
Wellhead pumpers	10 280	16.48	34 290	16.24
Refuse and recyclable material collectors	132 290	12.55	26 090	11.60
Shuttle car operators	3 070	17.81	37 050	18.44
Tank car, truck, and ship loaders	16 960	17.03	35 420	15.63

¹Annual wages have been calculated by multiplying the hourly mean wage by a "year-round, full-time" hours figure of 2,080 hours; for those occupations where there is not an hourly mean wage published, the annual wage has been directly calculated from the reported survey data.

²Hourly wage rates for occupations where workers typically work fewer than 2,080 hours per year are not available.

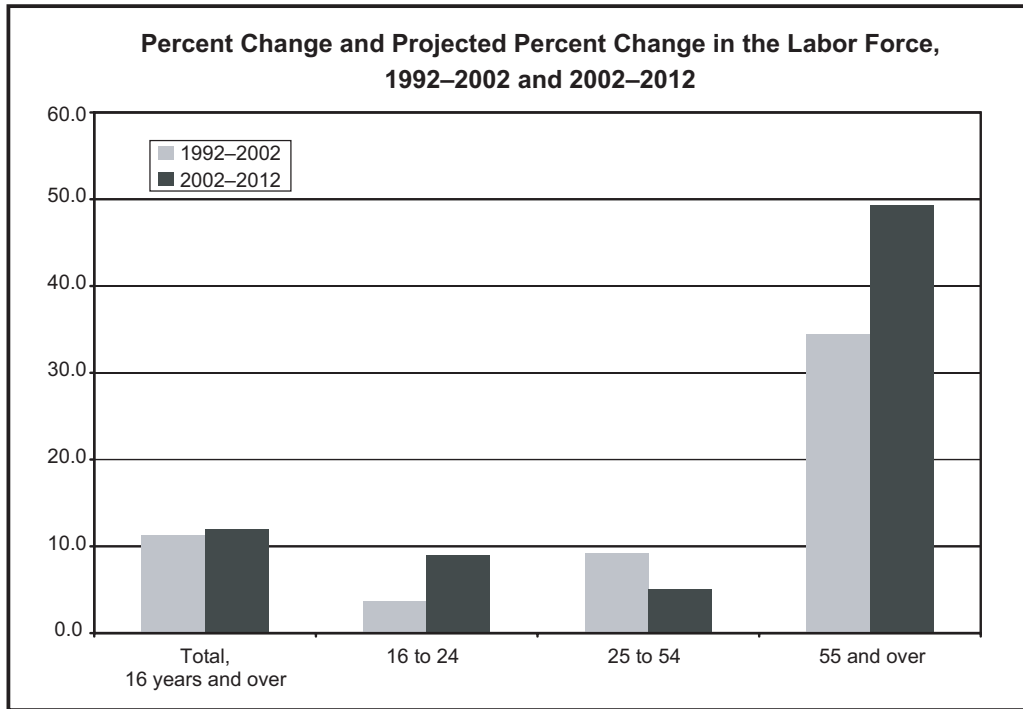
PART FOUR

PROJECTIONS OF LABOR FORCE AND EMPLOYMENT BY INDUSTRY AND OCCUPATION

PROJECTIONS OF LABOR FORCE AND EMPLOYMENT BY INDUSTRY AND OCCUPATION

HIGHLIGHTS

BLS develops projections of industry output, employment, and occupations every two years. The next publication is scheduled for 2006. The employment outlook presented in this chapter is for the period 2002–2012. These projections are based on a set of explicit assumptions and application of a model of economic relationships.



Total labor force is expected to grow slowly, 12 percent or 1.1 percent per year. Growth of 9 percent or less than one percent per year is projected for the 16–24 age group. The expectation of an almost 50 percent increase, 4.1 percent per year, in the 55 and older group reflects the movement of the aging baby boomer population into this age group. (Table 4-1)

OTHER HIGHLIGHTS:

- While still relatively small, only 4.1 percent of the total labor force in 2000, the Asian labor force is expected to grow rapidly between 2002 and 2012 at 50.8 percent. The labor force for blacks is expected to increase by 19.3 percent and for whites, 8.5 percent. (Table 4-1)
- Persons of Hispanic origin may be white or black. The growth of the labor force for that group is expected to grow rapidly, 32.6 percent, but more slowly than the previous decade. (Table 4-1)
- The labor force of women is projected to continue to increase faster than that of men, 14.3 percent compared with 10.0 percent. (Table 4-1)

NOTES AND DEFINITIONS

Concepts, Definitions, and Procedures

Long-term projections of likely employment conditions in the U.S. economy have been developed by the Bureau of Labor Statistics since 1957. These projections cover the future size and composition of the labor force, the aggregate economy, detailed estimates of industrial production, and industrial and occupational employment. The resulting data serve many users who need information on likely patterns of economic growth and their effects on employment. Beginning with the projections for 1996–2006, projections have been developed for a 10-year period and published every two years. This is the first set of BLS projections that use the North American Industry Classification System (NAICS).

To carry out the projection process, the BLS makes many underlying assumptions concerning general economic and social conditions and sets ranges of acceptability for the key results of the various stages of the projection process.

Projecting employment in industry and occupational detail requires an integrated projection of the total economy and its various sectors. BLS projections are developed in a series of six steps, each of which is based on separate projections procedures and models and various related assumptions. The six steps or analytical phases are: (1) labor force, (2) aggregate economy, (3) final demand (GDP) by sector and product, (4) inter-industry relationships (input-output), (5) industry output and employment, and (6) occupational employment. Each phase is solved separately, with the results of each used as input for the next phase, and with some results feeding back to earlier steps. In each phase, many iterations are made to ensure internal consistency as assumptions and results are reviewed and revised.

(1) *Labor force projections* are determined by projections of the future age, sex and racial composition of the population and by trends in labor force participation rates—the percent of the specified group in the population who will be working or seeking work. The population projections, prepared by the U.S. Census Bureau, are based on trends in birth rates, death rates, and net migration. With the population projections in hand, BLS analyzes and projects changes in labor force participation rates for more than 130 age, sex, and race or Hispanic origin groups.

Projections of labor force participation rates for each group are developed by first estimating a trend rate of change based on participation rate behavior during the prior eight-year period. Second, the rate is modi-

fied when the time-series projections for the specific group appear inconsistent with the results of cross-sectional and cohort analyses. This second step ensures consistency in the projections across various groups. Finally, the size of the labor force is derived by applying the participation rates to the population projections. The results are again reviewed for consistency.

(2) *Aggregate economic performance*—the second phase of the BLS projections process—develops projections of the gross domestic product (GDP) and major categories of demand and income. These results provide control totals that are consistent with each other and with the various assumptions and conditions of the projection scenario. The values generated for each demand sector and subsector are then used in the next phase in developing detailed projections for personal consumption, business investment, foreign trade, and government.

These projections are accomplished using a macro-economic model. The model basically consists of sets of equations that correlate various aspects of the economy with each other. It provides internally consistent, moderately detailed projections for each set of given assumptions and goals. The 2000–2010 projections were based upon a long-term macro model developed by DRI-WEFA, Inc. This model has approximately 1,300 equations, which determine those factors affecting growth in the U.S. economy. This model is driven by a set of about 300 exogenous variables, which are specified by BLS.

(3) *Final demand*. The BLS projection then proceeds from the aggregate to the industrial level. For the industry output projections, the economy is disaggregated into about 190 producing sectors that cover the U.S. industrial structure, both public and private. The framework for this procedure is an input-output model. The initial input-output data used by BLS are prepared by the Bureau of Economic Analysis, U.S. Department of Commerce.

The development of projections of industry output begins with aggregate demand projections from the DRI-WEFA model. In this model, projections are made for 27 major categories of consumption, 15 categories of investment, 19 end-use categories of foreign trade, and 13 categories of government spending. A further disaggregation of the values from the model is then undertaken. For example, personal consumption expenditures are estimated for 158 detailed categories.

Provision is made to allow for shifts in the commodity makeup of a given demand category. This is accomplished by projecting “bridge tables” relating individual types of demand to the actual industries supplying the goods. The bridge table is a percent distribution for each given demand category, such as the personal consumption or investment category, among each of the sectors in the BLS input-output model. In projecting changes in these bridge tables, expected changes in technology, consumer tastes or buying patterns, the commodity pattern of exports and imports, the future composition of business investment, and other structural factors are considered.

- (4) *Input-output.* The next stage in the projections process is the estimation of the intermediate flow of goods and services required to produce the projected GDP. Only final sales are counted in the GDP to avoid repeated counting of intermediate inputs. An industry’s total employment, however, depends on its total output, whether sold to another industry, or used as a final good. The total output of each industry is projected using an inter-industry or input-output model. This model mathematically solves for all levels of intermediate inputs given industry relationships and final demand.

The BLS input-output model consists of two basic matrices for each year, a “use” and a “make” table. The principal table is the “use” table. This table shows the purchase of commodities by each industry as inputs into its production process. Projecting this table must take into account changes in the input pattern or the way in which goods or services are produced by each industry. In general, two types of changes in these input patterns are made in developing a future input-output table: (a) Those made to the inputs of a specific industry (as, for example, the changes in inputs in the publishing industry); and, (b) those made to the inputs of a specific commodity in all or most industries (as for example increased use of business services across a wide spectrum of industries). The “make” table shows the commodity output of each industry. It allocates commodity output to the industry to which it is primary and to all other industries where the commodity is produced as a secondary product. The “use” table is the basis for the direct requirements table of coefficients showing the inputs required to produce one dollar of that industry’s output. The “make” table is used to create a “market shares” table, which shows the values of the “make” table as coefficients. The coefficient tables are used to calculate the total requirements tables, which show the direct and indirect requirements to produce a dollar’s worth of final demand. Projection tables are based on historical tables and on studies of specific industries.

- (5) *Industry Employment.* The projected level of industry employment is based on the projected levels of industry output as well as other factors such as expected technological changes and their impact on labor productivity. After the initial industry output is calculated, employment is derived from a model of the industry-level employment requirements. The employment projections by industry are constrained by the requirement that they sum to the aggregate employment level as determined by the aggregate projections. Employment for wage and salary workers is based on the Current Employment Statistics (payroll) survey, which counts jobs, whereas self-employed, unpaid family worker, agricultural, and private household data are based on the Current Population Survey (household survey), which counts workers. Employment totals for historical periods, therefore, differ from the official employment estimates of the Bureau of Labor Statistics.

- (6) *Employment by Occupation.* The model used to develop the occupational employment projections is an industry-occupation matrix showing the distribution of 2000–2010 employment for 262 industries and for 695 detailed occupations. Occupational staffing patterns for the industries are based on data collected by state employment security agencies and analyzed by the BLS and reflect the 2000 standard occupational classification system. The titles and content of major occupational groups and many detailed occupations are substantially different from those used in previous projections.

Staffing patterns of industries in the base-year industry-occupation matrix are projected to the target year to account for changes expected to occur in technology, shifts in production mix, and other factors. For example, one would expect greater employment of computer specialists as computer technology spreads across industries. In projecting the staffing patterns, the changes introduced into the input-output model for expected change are also analyzed to account for the impact of that technological change on future occupational staffing patterns of industries. The projected industry total employment data are applied to the projected industry staffing patterns, yielding employment by occupation for each industry. These data are aggregated across all industries to yield total occupational employment for the projected year.

Final Review. An important element of the projection system is its comprehensive structure. To ensure the internal consistency of this large structure, the BLS procedure encompasses detailed review and analysis of the results at each stage for reasonableness and for consistency with the results from other stages of the BLS projections. The final results reflect innumerable interactions among staff members who focus on particular variables

in the model. Because of this review, the projection process at BLS converges to an internally consistent set of employment projections across a substantial number of industries and occupations.

Sources of Additional Information

A complete presentation of the projections including analysis of results and additional tables and a compre-

hensive description of the methodology is found in the *Monthly Labor Review*, February 2004. A more detailed description of methods is contained in the *BLS Handbook of Methods*, BLS Bulletin 2490, April 1997, Chapter 13 and BLS Bulletin 2572, *Occupational Projections and Training Data*, August 2004. Once the target year is reached, BLS evaluates the projections. An article assessing the year 2000 projections appears in *Occupational Outlook Quarterly*, Spring 2003.

Table 4-1. Civilian Labor Force by Sex, Age, Race, and Hispanic Origin, 1982, 1992, 2002 and Projected 2012

Sex, age, race, and Hispanic origin	Level (thousands)					Change (thousands)			Percent change		
	1982	1992	1990 census	2000 census	2012	1982-1992	1992-2002	2002-2012	1982-1992	1992-2002	2002-2012
TOTAL, 16 YEARS AND OVER	110 204	128 105	142 534	144 863	162 269	17 901	14 429	17 406	16.2	11.3	12.0
16 to 24	24 608	21 617	22 425	22 366	24 377	-2 991	808	2 011	-12.2	3.7	9.0
16 to 19	8 526	7 096	7 723	7 586	7 636	-1 430	627	50	-16.8	8.8	0.7
20 to 24	16 082	14 521	14 702	14 780	16 740	-1 561	181	1 960	-9.7	1.2	13.3
25 to 54	70 506	91 429	99 865	101 720	106 866	20 923	8 436	5 146	29.7	9.2	5.1
25 to 34	31 186	35 369	30 831	32 196	35 406	4 183	-4 538	3 210	13.4	-12.8	10.0
35 to 44	22 431	33 899	36 998	36 927	34 434	11 468	3 099	-2 493	51.1	9.1	-6.8
45 to 54	16 889	22 160	32 036	32 597	37 026	5 271	9 876	4 429	31.2	44.6	13.6
55 and over	15 092	15 060	20 244	20 777	31 026	-32	5 184	10 249	-0.2	34.4	49.3
55 to 64	12 062	11 587	15 863	16 308	24 616	-475	4 276	8 308	-3.9	36.9	50.9
65 and over	3 030	3 473	4 381	4 469	6 410	443	908	1 941	14.6	26.2	43.4
65 to 74	2 566	2 932	3 593	3 665	5 411	366	661	1 746	14.3	22.5	47.6
75 and over	464	542	789	804	1 000	78	247	196	16.8	45.5	24.3
Men, 16 Years And Over	62 450	69 964	76 052	77 500	85 252	7 514	6 088	7 751	12.0	8.7	10.0
16 to 24	13 074	11 521	11 619	11 639	12 461	-1 553	98	822	-11.9	0.8	7.1
16 to 19	4 470	3 751	3 926	3 870	3 791	-719	175	-79	-16.1	4.7	-2.0
20 to 24	8 604	7 770	7 693	7 769	8 670	-834	-77	901	-9.7	-1.0	11.6
25 to 54	40 357	49 882	53 439	54 568	56 435	9 525	3 557	1 866	23.6	7.1	3.4
25 to 34	17 793	19 495	16 635	17 596	19 069	1 702	-2 860	1 473	9.6	-14.7	8.4
35 to 44	12 781	18 347	19 946	19 829	18 244	5 566	1 599	-1 585	43.5	8.7	-8.0
45 to 54	9 784	12 040	16 858	17 143	19 122	2 256	4 818	1 978	23.1	40.0	11.5
55 and over	9 019	8 561	10 995	11 293	16 356	-458	2 434	5 063	-5.1	28.4	44.8
55 to 64	7 174	6 551	8 486	8 750	12 714	-623	1 935	3 964	-7.7	29.5	45.3
65 and over	1 845	2 010	2 509	2 543	3 641	165	499	1 098	8.9	24.8	43.2
65 to 74	1 548	1 681	2 045	2 079	3 077	133	364	998	8.6	21.6	48.0
75 and over	297	329	464	464	564	32	135	100	10.8	41.1	21.6
Women, 16 Years And Over	47 755	58 141	66 481	67 363	77 017	10 386	8 340	9 654	21.7	14.3	14.3
16 to 24	11 533	10 096	10 806	10 727	11 916	-1 437	710	1 189	-12.5	7.0	11.1
16 to 19	4 056	3 345	3 797	3 716	3 845	-711	452	129	-17.5	13.5	3.5
20 to 24	7 477	6 750	7 009	7 011	8 070	-727	259	1 059	-9.7	3.8	15.1
25 to 54	30 149	41 547	46 426	47 152	50 431	11 398	4 879	3 279	37.8	11.7	7.0
25 to 34	13 393	15 875	14 196	14 600	16 337	2 482	-1 679	1 737	18.5	-10.6	11.9
35 to 44	9 651	15 552	17 052	17 098	16 189	5 901	1 500	-909	61.1	9.6	-5.3
45 to 54	7 105	10 120	15 178	15 454	17 905	3 015	5 058	2 451	42.4	50.0	15.9
55 and over	6 073	6 499	9 250	9 485	14 671	426	2 751	5 186	7.0	42.3	54.7
55 to 64	4 888	5 035	7 377	7 558	11 902	147	2 342	4 344	3.0	46.5	57.5
65 and over	1 185	1 464	1 873	1 927	2 769	279	409	842	23.5	27.9	43.7
65 to 74	1 018	1 251	1 548	1 586	2 333	233	297	747	22.9	23.7	47.1
75 and over	167	213	325	340	436	46	112	96	27.5	52.4	28.1
White, 16 Years And Over	96 143	108 837	118 569	120 150	130 358	12 694	9 732	10 208	13.2	8.9	8.5
Men	55 133	60 168	64 241	65 308	70 592	5 035	5 284	6 291	9.1	6.8	8.1
Women	41 010	48 669	54 328	54 842	59 766	7 659	4 448	3 917	18.7	11.6	9.0
Black, 16 Years And Over	11 331	14 162	16 834	16 564	19 765	2 831	2 672	3 201	25.0	18.9	19.3
Men	5 804	6 997	7 745	7 793	9 318	1 193	748	1 525	20.6	10.7	19.6
Women	5 527	7 166	9 089	8 771	10 447	1 639	1 923	1 676	29.7	26.8	19.1
Asian, 16 Years And Over ¹	2 770	5 109	7 130	5 949	8 971	2 339	2 021	3 022	84.4	39.6	50.8
Men	1 513	2 800	3 839	3 215	4 941	1 287	1 039	1 726	85.1	37.1	53.7
Women	1 257	2 309	3 291	2 734	4 030	1 052	982	1 296	83.7	42.5	47.4
All Other Groups, 16 Years And Over ² .....	...	...	...	2 200	3 175	...	...	975	...	...	44.3
Men .....	...	...	...	1 189	1 732	...	...	543	...	...	45.7
Women .....	...	...	...	1 011	1 443	...	...	432	...	...	42.7
Hispanic Origin, 16 Years And Over	6 734	16 200	16 200	17 942	23 785	4 604	4 862	5 843	68.4	42.9	32.6
Men	4 148	9 273	9 273	10 609	13 674	2 752	2 373	3 065	66.3	34.4	28.9
Women	2 586	6 927	6 927	7 332	10 111	1 853	2 488	2 779	71.7	56.0	37.9
Other Than Hispanic Origin, 16 Years And Over	103 470	116 767	126 334	126 921	138 484	13 297	9 567	11 562	12.9	8.2	9.1
Men	58 302	63 064	66 779	66 891	71 577	4 762	3 715	4 686	8.2	5.9	7.0
Women	45 169	53 702	59 555	60 031	66 906	8 533	5 853	6 875	18.9	10.9	11.5
White Non-Hispanic, 16 Years And Over	89 630	98 724	103 360	103 348	106 237	9 094	4 636	2 889	10.1	4.7	2.8
Men	51 121	53 984	55 489	55 340	56 849	2 862	1 509	5 340	5.6	2.8	2.7
Women	38 508	44 740	47 871	48 008	49 388	6 232	3 130	1 380	16.2	7.0	2.9

¹Data for 1982 and 1992 represent the "Asian and other" category with 1990 census weights. Data for 2002 with 1990 census weights represent the "Asian and other" category. Data for 2002 with 2000 census weights represent the "Asian only" category. Data for 2012 represent the "Asian only" category with 2000 census weights.

²The "All other groups" category includes those reporting the racial categories of (1a) American Indian and Alaska Native or (1b) Native Hawaiian and Other Pacific Islanders and those reporting two or more races. The category was not defined prior to 2003. Data for 2002 were calculated by BLS.
 ... = Not available.

Table 4-1. Civilian Labor Force by Sex, Age, Race, and Hispanic Origin, 1982, 1992, 2002 and Projected 2012—Continued

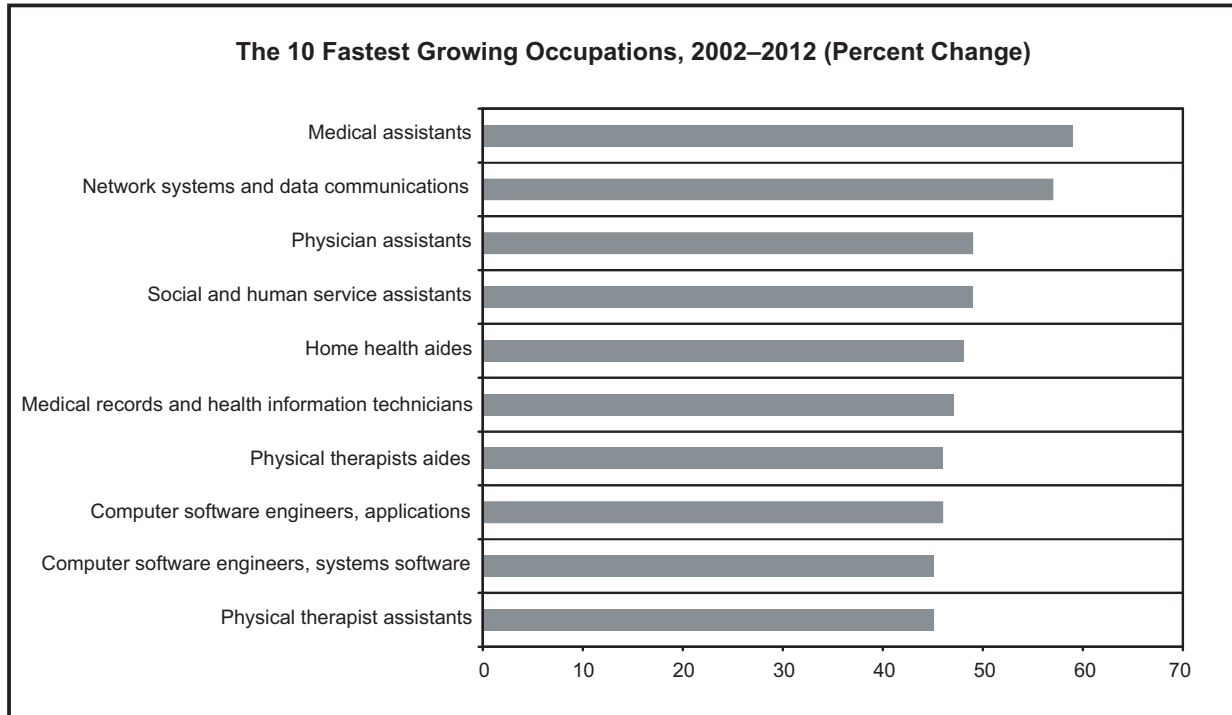
Sex, age, race, and Hispanic origin	Percent distribution					Annual growth rate (percent)		
	1982	1992	1990 census	2000 census	2012	1982–1992	1992–2002	2002–2012
TOTAL, 16 YEARS AND OVER	100.0	100.0	100.0	100.0	100.0	1.5	1.1	1.1
16 to 24	22.3	16.9	15.7	15.4	15.0	-1.3	0.4	0.9
16 to 19	7.7	5.5	5.4	5.2	4.7	-1.8	0.9	0.1
20 to 24	14.6	11.3	10.3	10.2	10.3	-1.0	0.1	1.3
25 to 54	64.0	71.4	70.1	70.2	65.9	2.6	0.9	0.5
25 to 34	28.3	27.6	21.6	22.2	21.8	1.3	-1.4	1.0
35 to 44	20.4	26.5	26.0	25.5	21.2	4.2	0.9	-0.7
45 to 54	15.3	17.3	22.5	22.5	22.8	2.8	3.8	1.3
55 and over	13.7	11.8	14.2	14.3	19.1	0.0	3.0	4.1
55 to 64	10.9	9.0	11.1	11.3	15.2	-0.4	3.2	4.2
65 and over	2.7	2.7	3.1	3.1	4.0	1.4	2.4	3.7
65 to 74	2.3	2.3	2.5	2.5	3.3	1.3	2.1	4.0
75 and over	0.4	0.4	0.6	0.6	0.6	1.6	3.8	2.2
Men, 16 Years And Over	56.7	54.6	53.4	53.5	52.5	1.1	0.8	1.0
16 to 24	11.9	9.0	8.2	8.0	7.7	-1.3	0.1	0.7
16 to 19	4.1	2.9	2.8	2.7	2.3	-1.7	0.5	-0.2
20 to 24	7.8	6.1	5.4	5.4	5.3	-1.0	-0.1	1.1
25 to 54	36.6	38.9	37.5	37.7	34.8	2.1	0.7	0.3
25 to 34	16.1	15.2	11.7	12.1	11.8	0.9	-1.6	0.8
35 to 44	11.6	14.3	14.0	13.7	11.2	3.7	0.8	-0.8
45 to 54	8.9	9.4	11.8	11.8	11.8	2.1	3.4	1.1
55 and over	8.2	6.7	7.7	7.8	10.1	-0.5	2.5	3.8
55 to 64	6.5	5.1	6.0	6.0	7.8	-0.9	2.6	3.8
65 and over	1.7	1.6	1.8	1.8	2.2	0.9	2.2	3.7
65 to 74	1.4	1.3	1.4	1.4	1.9	0.8	2.0	4.0
75 and over	0.3	0.3	0.3	0.3	0.3	1.0	3.5	2.0
Women, 16 Years And Over	43.3	45.4	46.6	46.5	47.5	2.0	1.3	1.3
16 to 24	10.5	7.9	7.6	7.4	7.3	-1.3	0.7	1.1
16 to 19	3.7	2.6	2.7	2.6	2.4	-1.9	1.3	0.3
20 to 24	6.8	5.3	4.9	4.8	5.0	-1.0	0.4	1.4
25 to 54	27.4	32.4	32.6	32.5	31.1	3.3	1.1	0.7
25 to 34	12.2	12.4	10.0	10.1	10.1	1.7	-1.1	1.1
35 to 44	8.8	12.1	12.0	11.8	10.0	4.9	0.9	-0.5
45 to 54	6.4	7.9	10.6	10.7	11.0	3.6	4.1	1.5
55 and over	5.5	5.1	6.5	6.5	9.0	0.7	3.6	4.5
55 to 64	4.4	3.9	5.2	5.2	7.3	0.3	3.9	4.6
65 and over	1.1	1.1	1.3	1.3	1.7	2.1	2.5	3.7
65 to 74	0.9	1.0	1.1	1.1	1.4	2.1	2.2	3.9
75 and over	0.2	0.2	0.2	0.2	0.3	2.5	4.3	2.5
White, 16 Years And Over	87.2	85.0	83.2	82.9	80.3	1.2	0.9	0.8
Men	50.0	47.0	45.1	45.1	43.5	0.9	0.7	0.8
Women	37.2	38.0	38.1	37.9	36.8	1.7	1.1	0.9
Black, 16 Years And Over	10.3	11.1	11.8	11.4	12.2	2.3	1.7	1.8
Men	5.3	5.5	5.4	5.4	5.7	1.9	1.0	1.8
Women	5.0	5.6	6.4	6.1	6.4	2.6	2.4	1.8
Asian, 16 Years And Over ¹	2.5	4.0	5.0	4.1	5.5	6.3	3.4	4.2
Men	1.4	2.2	2.7	2.2	3.0	6.3	3.2	4.4
Women	1.1	1.8	2.3	1.9	2.5	6.3	3.6	4.0
All Other Groups, 16 Years And Over ² .....	...	...	...	1.5	2.0	...	...	3.7
Men .....	...	...	...	0.8	1.1	...	...	3.8
Women .....	...	...	...	0.7	0.9	...	...	3.6
Hispanic Origin, 16 Years And Over	6.1	8.9	11.4	12.4	14.7	5.3	3.6	2.9
Men	3.8	5.4	6.5	7.3	8.4	5.2	3.0	2.6
Women	2.3	3.5	4.9	5.1	6.2	5.6	4.5	3.3
Other Than Hispanic Origin, 16 Years And Over	93.9	91.1	88.6	87.6	85.3	1.2	0.8	0.9
Men	52.9	49.2	46.9	46.2	44.1	0.8	0.6	0.7
Women	41.0	41.9	41.8	41.4	41.2	1.7	1.0	1.1
White Non-Hispanic, 16 Years And Over	81.3	77.1	72.5	71.3	65.5	1.0	0.5	0.3
Men	46.4	42.1	38.9	38.2	35.0	0.5	0.3	0.3
Women	34.9	34.9	33.6	33.1	30.4	1.5	0.7	0.3

¹Data for 1982 and 1992 represent the "Asian and other" category with 1990 census weights. Data for 2002 with 1990 census weights represent the "Asian and other" category. Data for 2002 with 2000 census weights represent the "Asian only" category. Data for 2012 represent the "Asian only" category with 2000 census weights.

²The "All other groups" category includes those reporting the racial categories of (1a) American Indian and Alaska Native or (1b) Native Hawaiian and Other Pacific Islanders and those reporting two or more races. The category was not defined prior to 2003. Data for 2002 were calculated by BLS.

... = Not available.

PROJECTED EMPLOYMENT



Only 3 of the 10 fastest growing occupations are associated directly with computers. Six are related to medical services and one is more general; social and human services assistants. (Table 4-2)

OTHER HIGHLIGHTS:

- Of the 30 fastest growing occupations, more than half require an associate or higher degree of education. (Table 4-2)
- The fastest growing occupations are not necessarily the ones that are projected to provide the largest number of additional jobs. Of the 10 occupations with the largest job growth, only three, registered nurses, post secondary teachers and general and operations managers are in the professional category. None are associated with computers. Most are in lower level wage categories such as food preparation and nursing aides. (Table 4-6)
- The same relationship between rate of growth and size appears in the industry employment data. Three of the industries with the fastest growing projected wage and salary employment are computer related. None of the industries projected to provide the largest increase in jobs are computer related. The largest are retail trade, state and local governments, and service providers. (Table 4-5)
- Total job openings result from growth and net replacement. Of the total job openings of about 56 million, almost two thirds or 35 million are projected to be replacements. Among the major sectors, only professional related occupations add more jobs as a result of growth than replacement. (Table 4-6)
- Among the major occupational groups, employment in the two largest in 2002, professional and related occupations and service occupations, will increase the fastest and add the most jobs. These major groups, which are the highest and lowest in educational requirements and earnings, are expected to provide more than half the total job growth from 2002 to 2003. (Table 4-6)

Table 4-2. Fastest Growing Occupations, 2002–2012

(Number, percent.)

Occupation	Employment		Change		Quartile rank by 2002 median annual earnings ¹	Most significant source of postsecondary education or training ²
	2002	2012	Number	Percent		
Medical assistants	365	579	215	59	3	Moderate-term on-the-job training
Network systems and data communications	186	292	106	57	1	Bachelor's degree
Physician assistants	63	94	31	49	1	Bachelor's degree
Social and human service assistants	305	454	149	49	3	Moderate-term on-the-job training
Home health aides	580	859	279	48	4	Short-term on-the-job training
Medical records and health information technicians	147	216	69	47	3	Associate degree
Physical therapist aides	37	54	17	46	3	Short-term on-the-job training
Computer software engineers, applications	394	573	179	46	1	Bachelor's degree
Computer software engineers, systems software	281	409	128	45	1	Bachelor's degree
Physical therapist assistants	50	73	22	45	2	Associate degree
Fitness trainers and aerobics instructors	183	264	81	44	3	Postsecondary vocational award
Database administrators	110	159	49	44	1	Bachelor's degree
Veterinary technologists and technicians	53	76	23	44	3	Associate degree
Hazardous materials removal workers	38	54	16	43	2	Moderate-term on-the-job training
Dental hygienists	148	212	64	43	1	Associate degree
Occupational therapist aides	8	12	4	43	3	Short-term on-the-job training
Dental assistants	266	379	113	42	3	Moderate-term on-the-job training
Personal and home care aides	608	854	246	40	4	Short-term on-the-job training
Self-enrichment education teachers	200	281	80	40	2	Work experience in a related occupation
Computer systems analysts	468	653	184	39	1	Bachelor's degree
Occupational therapist assistants	18	26	7	39	2	Associate degree
Environmental engineers	47	65	18	38	1	Bachelor's degree
Postsecondary teachers	1 581	2 184	603	38	1	Doctoral degree
Network and computer systems administrators	251	345	94	37	1	Bachelor's degree
Environmental science and protection technicians, including health	28	38	10	37	2	Associate degree
Preschool teachers, except special education	424	577	153	36	4	Postsecondary vocational award
Computer and information systems managers	284	387	103	36	1	Bachelor's or higher degree, plus work experience
Physical therapists	137	185	48	35	1	Master's degree
Occupational therapists	82	110	29	35	1	Bachelor's degree
Respiratory therapists	86	116	30	35	2	Associate degree

¹The quartile rankings of Occupational Employment Statistics annual earnings data are presented in the following categories: 1 = very high (\$41,820 and over), 2 = high (\$27,500 to \$41,780), 3 = low (\$19,710 to \$27,380), and 4 = very low (up to \$19,600.) The rankings were based on quartiles using one-fourth of total employment to define each quartile. Earnings are for wage and salary workers.

²An occupation is placed into one of 11 categories that best describes the education or training needed by most workers to become fully qualified.

Table 4-3. Industries with the Largest Output Growth and Declines, 2000–2012

(Dollars, percent.)

Industry description	Billions of chained 1996 dollars		Change 2000–2012	Average annual rate of change 2000–2012
	2000	2012		
LARGEST GROWTH				
Computer and peripheral equipment manufacturing	262.8	2 292.7	2 029.9	24.2
Wholesale trade	1 025.3	1 622.5	597.2	4.7
Retail trade	1 013.1	1 420.0	406.9	3.4
Credit intermediation and related activities, monetary authorities, and funds, trusts, and other financial vehicles	794.3	1 114.4	320.1	3.4
Telecommunications, except cable and other programming distribution	400.6	644.7	244.0	4.9
Retail trade exc. eating and drinking places	659.6	873.1	213.5	2.8
Management of companies and enterprises	468.3	668.9	200.6	3.6
Owner-occupied dwellings	710.3	906.9	196.6	2.5
Monetary authorities and depository credit intermediation	408.2	584.5	176.3	3.7
Securities, commodity contracts, and other financial investments and related activities	350.1	525.9	175.8	4.2
Computer systems design and related services	127.1	302.2	175.1	9.0
Communications equipment manufacturing	100.0	268.1	168.1	10.4
Internet services, data processing, and other information services	86.9	232.6	145.7	10.3
Nondepository credit intermediation and related support activities, funds, trusts, and lessors of nonfinancial intangible assets (except copyright works)	386.4	530.4	144.1	3.2
Offices of health practitioners	332.3	468.9	136.6	3.5
Construction	718.7	851.8	133.1	1.7
Software publishers	102.2	228.8	126.6	8.4
Scientific research and development and other professional, scientific, and technical services	166.4	283.7	117.3	5.5
Truck transportation and couriers and messengers	239.5	349.1	109.6	3.8
Hospitals	334.3	424.4	90.1	2.4
LARGEST DECLINES				
Cut and sew apparel manufacturing	39.8	17.1	-22.7	-8.1
Basic chemical manufacturing	97.5	75.6	-21.9	-2.5
Oil and gas extraction	87.4	79.6	-7.8	-0.9
Textile and fabric finishing and fabric coating mills	12.2	6.5	-5.6	-6.0
Apparel knitting mills	6.4	2.3	-4.1	-9.7
Pulp, paper, and paperboard mills	67.7	64.7	-3.0	-0.5
Coal mining	26.2	23.4	-2.8	-1.1
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	56.4	54.0	-2.4	-0.4
Fiber, yarn, and thread mills	10.5	8.2	-2.4	-0.5
Leather and hide tanning and finishing	2.6	1.2	-1.4	-7.7
Other leather and allied product manufacturing	2.1	1.0	-1.2	-7.7
Tobacco manufacturing	34.2	33.1	-1.0	-0.3
Fabric mills	22.1	21.1	-0.9	-0.4
Nonmetallic mineral mining and quarrying	17.5	16.7	-0.8	-0.5
Nonferrous metal (except aluminum) production and processing	21.8	21.1	-0.6	-0.3
Apparel accessories and other apparel manufacturing	3.8	3.3	-0.6	-1.5

Table 4-4. Percentage of Employees and Projected Net Employment Change in Selected Occupations, by Age Group¹

(Percent, thousands.)

Occupation	Percent distribution of employees by age group			Employment (thousands)		Change		Total job openings due to growth and net replacements (thousands)
	16-24	25-54	55 and older	2002	2012	Number	Percent	
ALL OCCUPATIONS	14.7	71.4	13.9	144 015	165 319	21 305	14.8	56 305
Bus drivers	9.8	45.4	44.8	654	781	106	16.2	249
Ushers, lobby attendants, and ticket takers	7.5	60.1	32.4	105	121	16	15.5	76
Loan counselors and officers	4.8	62.8	32.3	255	302	48	18.7	89
Sales representatives, services, all other	4.7	64.0	31.2	577	717	140	24.3	250
Social workers	3.5	66.4	30.1	477	604	127	26.7	209
Environmental scientists and geoscientists	4.1	67.8	28.1	101	121	20	20.1	38
Network systems and data communications analysts	8.0	64.7	27.3	186	292	106	57.0	128
Aircraft pilots and flight engineers	2.5	70.8	26.7	100	118	18	17.8	45
Transportation, storage, and distribution managers	5.5	68.0	26.5	111	133	22	19.7	44
Clergy	11.2	62.5	26.3	400	463	62	15.5	144
Television, video, and motion picture camera operators, and editors	0.3	74.3	25.4	48	56	9	18.7	19
Market and survey researchers	8.4	66.2	25.4	155	193	38	24.7	78
Ambulance drivers and attendants, except emergency medical technicians	5.8	68.9	25.3	17	22	5	26.7	6
Sales engineers	11.7	63.4	24.9	82	98	16	19.9	41
Chief executives	0.6	74.9	24.4	553	645	93	16.7	197
Special education teachers	5.4	70.9	23.7	433	563	130	30.0	233
Chiropractors	2.7	73.8	23.4	49	60	11	23.3	21
Human resources, training, and labor relations specialists	3.7	73.3	23.0	474	606	131	27.7	204
Transit and railroad police	18.0	59.6	22.4	6	7	1	15.9	2
Public relations specialists	5.5	72.8	21.7	158	210	52	32.9	75
Motor vehicle operators, all other	7.9	71.0	21.1	111	139	28	25.2	44
Personal and home care aides	34.8	44.1	21.0	608	854	246	40.5	343
Public relations managers	2.8	76.2	21.0	69	85	16	23.4	28
Food preparation and serving related workers, all other	13.3	66.2	20.5	117	134	18	15.2	54
Human resources assistants, except payroll and timekeeping	9.9	69.8	20.3	174	207	33	19.3	71

¹ Total job openings are given by the sum of net employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

Table 4-5. Employment and Output by Industry, 1992, 2002, and Projected 2012

Industry	Employment							Output				
	Thousands of jobs			Change		Average annual rate of change (percent)		Billions of chained (1996) dollars			Average annual rate of change (percent)	
	1992	2002	2012	1992-2002	2002-2012	1992-2002	2002-2012	1992	2002	2012	1992-2002	2002-2012
TOTAL ^{1,2}	123 325	144 014	165 319	20 689	21 305	1.6	1.4	12 272	16 822	23 250	3.2	3.3
Nonagriculture wage and salary ³	109 526	131 063	152 690	21 537	21 627	1.8	1.5	11 448	15 818	21 973	3.3	3.3
Mining	610	512	451	-98	-61	-1.7	-1.3	155	166	156	0.7	-0.6
Oil and gas extraction	182	123	88	-60	-34	-3.9	-3.2	94	87	80	-0.7	-0.9
Mining (except oil and gas)	272	212	180	-60	-32	-2.5	-1.6	47	54	52	1.4	-0.5
Coal mining	118	75	52	-43	-23	-4.4	-3.5	22	26	23	1.8	-1.1
Metal ore mining	50	29	18	-21	-11	-5.2	-4.8	11	10	11	-0.6	0.8
Nonmetallic mineral mining and quarrying	104	108	110	3	2	0.3	0.2	14	18	17	2.1	-0.5
Support activities for mining	156	177	183	22	6	1.3	0.3	14	24	26	5.3	0.9
Utilities	726	600	565	-126	-34	-1.9	-0.6	278	267	320	-0.4	1.8
Electric power generation, transmission, and distribution	537	436	405	-101	-31	-2.1	-0.7	207	207	254	0.0	2.0
Natural gas distribution	154	116	90	-38	-26	-2.8	-2.5	66	53	58	-2.1	0.9
Water, sewage, and other systems	35	49	71	13	23	3.2	3.9	5	6	8	2.2	2.7
Construction	4 608	6 732	7 745	2 124	1 014	3.9	1.4	547	719	852	2.8	1.7
Manufacturing	16 799	15 307	15 149	-1 492	-158	-0.9	-0.1	3 067	3 840	5 361	2.3	3.4
Food manufacturing	1 518	1 525	1 597	7	72	0.0	0.5	384	437	517	1.3	1.7
Animal food manufacturing	55	52	52	-4	1	0.0	0.1	25	30	38	2.1	2.0
Grain and oilseed milling	71	62	61	-9	-1	-1.3	-0.1	49	57	70	1.6	2.0
Sugar and confectionery product manufacturing	103	83	80	-20	-3	-2.1	-0.3	22	26	30	1.7	1.6
Fruit and vegetable preserving and specialty food manufacturing	218	182	180	-36	-2	-1.8	-0.1	44	50	59	1.4	1.7
Dairy product manufacturing	143	137	124	-6	-13	-0.4	-1.0	57	56	58	-0.3	0.4
Animal slaughtering and processing	438	520	601	83	80	1.7	1.4	98	118	144	1.9	2.0
Seafood product preparation and packaging	55	44	40	-11	-4	-2.3	-0.8	8	7	8	-1.2	1.2
Bakeries and tortilla manufacturing	290	295	303	4	9	0.1	0.3	39	43	53	1.1	2.0
Other food manufacturing	146	152	155	5	4	0.4	0.2	44	51	59	1.5	1.5
Beverage and tobacco product manufacturing	209	206	179	-3	-27	-0.1	-1.4	96	98	105	0.3	0.7
Beverage manufacturing	165	172	158	7	-14	0.4	-0.8	59	64	74	0.8	1.3
Tobacco manufacturing	44	33	20	-10	-13	-2.7	...	36	34	33	-0.5	-0.3
Textile mills	479	293	157	-186	-136	-4.8	-6.1	51	45	36	-1.4	-2.2
Fiber, yarn, and thread mills	97	64	37	-33	-27	-4.1	-5.3	12	11	8	-1.0	-2.5
Fabric mills	256	147	80	-109	-67	-5.4	-5.9	22	21	21	-1.7	-0.4
Textile and fabric finishing and fabric coating mills	126	82	40	-44	-42	-4.2	-6.9	13	12	7	-1.0	-6.0
Textile product mills	202	196	181	-6	-16	-0.3	-0.8	26	30	35	1.4	1.3
Textile furnishings mills	120	119	111	-1	-8	-0.1	-0.7	18	21	23	1.8	1.0
Other textile product mills	82	78	70	-5	-8	-0.6	-1.1	9	9	11	0.6	2.1
Apparel manufacturing	905	358	112	-548	-246	-8.9	-11.0	64	50	23	-2.4	-7.6
Apparel knitting mills	110	50	20	-60	-30	-7.7	-8.7	10	6	2	-4.3	-9.7
Cut and sew apparel manufacturing	752	282	77	-470	-205	-9.4	-12.2	50	40	17	-2.2	-8.1
Apparel accessories and other apparel manufacturing	43	26	15	-17	-11	-4.8	-5.4	4	4	3	-1.3	-1.5
Leather and allied product manufacturing	121	50	33	-71	-17	-8.5	-4.0	10	8	6	-2.5	-2.6
Leather and hide tanning and finishing	15	9	5	-7	-4	-5.7	-6.3	3	3	1	-1.5	-7.7
Footwear manufacturing	72	21	18	-51	-4	-11.5	-1.8	5	3	4	-3.6	2.1
Other leather and allied product manufacturing	33	20	11	-13	-9	-5.0	-5.9	3	2	1	-1.6	-7.7
Wood product manufacturing	502	557	634	55	77	1.0	1.3	73	83	112	1.2	3.0
Sawmills and wood preservation	134	121	110	-13	-11	-1.0	-1.0	25	26	34	0.6	2.7
Veneer, plywood, and engineered wood product	88	116	138	28	21	2.8	1.7	17	20	26	1.8	2.6
Other wood product manufacturing	280	320	386	39	67	1.3	1.9	32	37	52	1.5	3.4
Paper manufacturing	640	550	477	-90	-72	-1.5	-1.4	146	141	144	-0.4	0.2
Pulp, paper, and paperboard mills	232	168	126	-63	-42	-3.1	-2.8	73	68	65	-0.8	-0.5
Converted paper product manufacturing	408	382	351	-26	-31	-0.7	-0.8	73	73	79	0.0	0.8
Printing and related support activities	780	710	734	-70	24	-0.9	0.3	92	91	94	-0.1	0.3
Petroleum and coal products manufacturing	152	119	102	-33	-18	-2.4	-1.6	161	181	199	1.2	1.0
Chemical manufacturing	1 029	930	891	-99	-38	-1.0	-0.4	363	401	450	1.0	1.2
Basic chemical manufacturing	246	171	140	-76	-31	-3.6	-2.0	117	98	76	-1.8	-2.5
Resin, synthetic rubber, and artificial synthetic fibers and filaments manufacturing	151	114	89	-37	-26	-2.8	-2.5	54	56	54	0.4	-0.4
Pesticide, fertilizer, and other agricultural chemical manufacturing	54	45	35	-10	-10	-1.9	-2.4	23	19	22	-2.1	1.9
Pharmaceutical and medicine manufacturing	225	293	361	68	68	2.7	2.1	72	112	157	4.5	3.5
Paint, coating, and adhesive manufacturing	81	72	62	-8	-11	-1.1	-1.6	22	24	30	0.8	2.1
Soap, cleaning compound, and toilet preparation manufacturing	127	122	125	-5	3	-0.4	0.3	43	52	64	1.8	2.0
Other chemical product and preparation manufacturing	144	112	79	-32	-33	-2.4	-3.4	34	36	42	0.6	1.3

¹Wage and salary data are from the Current Employment Statistics survey, which counts jobs, whereas self-employed, unpaid family workers, and agriculture, forestry, and fishing, and hunting are from the Current Population Survey which counts workers.

²Output subcategories do not necessarily add to higher categories as a product of chainweighting.

³Includes agriculture, forestry, fishing, and hunting data from the Current Population Survey, except logging, which is from the Current Employment Survey and government wage and salary workers, which are excluded.

... = Not available.

Table 4-5. Employment and Output by Industry, 1992, 2002, and Projected 2012—Continued

Industry	Employment							Output				
	Thousands of jobs			Change		Average annual rate of change (percent)		Billions of chained (1996) dollars			Average annual rate of change (percent)	
	1992	2002	2012	1992–2002	2002–2012	1992–2002	2002–2012	1992	2002	2012	1992–2002	2002–2012
Plastics and rubber products manufacturing	819	854	991	35	138	0.4	1.5	122	164	245	3.0	4.1
Plastics product manufacturing	620	668	797	48	128	0.8	1.8	95	133	198	3.4	4.1
Rubber product manufacturing	199	185	195	-14	10	-0.7	0.5	27	31	47	1.4	4.0
Nonmetallic mineral product manufacturing	487	519	579	32	60	0.6	1.1	69	85	114	2.1	2.9
Clay product and refractory manufacturing	79	72	80	-7	9	-0.9	1.1	7	8	10	0.2	3.2
Glass and glass product manufacturing	145	126	125	-19	-1	-1.4	-0.1	19	22	33	1.6	3.9
Cement and concrete product manufacturing	178	230	278	52	48	2.6	1.9	27	38	49	3.4	2.5
Lime and gypsum product manufacturing	14	19	21	5	2	3.0	0.9	4	5	6	1.6	2.1
Other nonmetallic mineral product manufacturing	72	72	75	0	3	0.1	0.4	12	13	16	1.0	2.3
Primary metal manufacturing	630	511	494	-119	-17	-2.1	-0.3	140	137	160	-0.2	1.5
Iron and steel mills ferroalloy manufacturing	168	107	76	-61	-31	-4.4	-3.4	47	49	56	0.4	1.4
Steel product manufacturing from purchased steel	66	63	60	-3	-3	-0.4	-0.5	16	15	18	-0.7	1.5
Alumina and aluminum production and processing	100	80	79	-19	-1	-2.1	-0.2	29	25	26	-1.5	0.3
Nonferrous metal (except aluminum) production and processing	102	81	80	-20	-1	-2.2	-0.2	26	22	21	-1.9	-0.3
Foundries	196	180	199	-16	20	-0.9	1.0	21	25	38	2.1	4.2
Fabricated metal product manufacturing	1 497	1 548	1 645	51	97	0.3	0.6	186	226	315	2.0	3.4
Forging and stamping	122	114	132	-9	18	-0.7	1.5	18	23	36	2.6	4.5
Cutlery and handtool manufacturing	73	65	70	-8	6	-1.2	0.8	8	10	15	1.9	3.7
Architectural and structural metals manufacturing	327	400	478	74	77	2.1	1.8	41	55	81	3.1	3.9
Boiler, tank, and shipping container manufacturing	108	95	90	-13	-5	-1.3	-0.5	21	20	26	-0.6	2.6
Hardware manufacturing	54	43	45	-11	3	-2.3	0.6	9	10	14	0.8	3.9
Spring and wire product manufacturing	74	71	59	-4	-12	-0.5	-1.8	6	8	9	2.2	1.2
Machine shops; turned product; and screw, nut, and bolt manufacturing	287	318	333	32	15	1.1	0.5	29	41	62	3.7	4.2
Coating, engraving, heat treating, and allied activities	137	148	151	11	4	0.8	0.2	12	16	25	2.8	4.4
Other fabricated metal product manufacturing	316	296	287	-20	-9	-0.7	-0.3	42	43	49	0.3	1.2
Machinery manufacturing	1 309	1 237	1 357	-72	120	-0.6	0.9	186	230	341	2.1	4.0
Agriculture, construction, and mining machinery manufacturing	201	201	212	1	10	0.0	0.5	33	42	60	2.5	3.5
Industrial machinery manufacturing	142	132	125	-10	-6	-0.7	-0.5	22	31	47	3.3	4.4
Commercial and service industry machinery manufacturing	138	132	141	-6	9	-0.5	0.6	22	19	27	-1.3	3.6
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	161	167	189	7	22	0.4	1.2	22	29	40	2.8	3.2
Metalworking machinery manufacturing	241	217	251	-24	34	-1.0	1.5	21	23	38	0.9	4.9
Engine, turbine, and power transmission equipment manufacturing	111	100	100	-11	0	-1.0	0.0	23	34	44	4.1	2.7
Other general purpose machinery manufacturing	317	288	339	-29	51	-0.9	1.6	43	51	84	1.7	5.2
Computer and electronic product manufacturing	1 707	1 521	1 333	-186	-189	-1.1	-1.3	225	557	1 705	9.5	11.8
Computer and peripheral equipment manufacturing	329	250	182	-79	-68	-2.7	-3.1	28	263	2 293	24.9	24.2
Communications equipment manufacturing	210	191	201	-19	10	-0.9	0.5	45	100	268	8.2	10.4
Audio and video equipment manufacturing	58	42	38	...	-3	-3.2	-0.8	8	9	10	1.0	1.2
Semiconductor and other electronic component manufacturing	519	531	452	12	-79	0.2	-1.6	67	134	149	7.2	1.1
Navigational, measuring, electromedical, and control instruments manufacturing	549	451	396	...	-55	-1.9	-1.3	79	92	126	1.4	3.2
Manufacturing and reproducing magnetic and optical media	44	57	63	13	6	2.7	1.1	8	7	9	-1.4	2.1
Electrical equipment, appliance, and component manufacturing	580	499	486	...	-13	-1.5	-0.3	88	103	142	1.6	3.3
Electric lighting equipment manufacturing	74	72	70	...	-2	-0.2	-0.3	10	12	14	1.8	1.4
Household appliance manufacturing	106	98	84	...	-14	-0.8	-1.5	18	22	29	2.2	2.8
Electrical equipment manufacturing	219	176	180	...	4	-2.1	0.2	26	29	46	0.8	4.7
Other electrical equipment and component manufacturing	180	152	151	...	-1	-1.7	-0.1	33	41	54	1.9	2.9
Transportation equipment manufacturing	1 977	1 829	1 787	...	-41	-0.8	-0.2	462	600	802	2.6	3.0
Motor vehicle manufacturing	260	267	251	7	-16	0.3	-0.6	166	236	319	3.6	3.1
Motor vehicle body and trailer manufacturing	126	154	172	28	18	2.0	1.1	15	22	39	3.7	5.7
Motor vehicle parts manufacturing	661	731	758	70	27	1.0	0.4	115	187	275	5.0	3.9
Aerospace product and parts manufacturing	711	468	386	...	-83	-4.1	-1.9	138	116	117	-1.7	0.1
Railroad rolling stock manufacturing	27	23	24	...	1	-1.7	0.6	5	8	12	4.0	4.2
Ship and boat building	157	146	157	...	11	-0.7	0.7	16	19	27	1.6	3.8
Other transportation equipment manufacturing	36	40	40	4	0	1.0	0.1	7	12	16	5.9	2.4
Furniture and related product manufacturing	563	605	666	42	62	0.7	1.0	51	66	89	2.7	3.0
Household and institutional furniture and kitchen cabinet manufacturing	373	400	450	28	49	0.7	1.2	30	39	53	2.7	3.0
Office furniture (including fixtures) manufacturing	146	151	155	5	5	0.3	0.3	16	20	27	2.2	3.1
Other furniture related product manufacturing	44	54	61	10	7	2.0	1.3	5	7	10	4.1	2.8
Miscellaneous manufacturing	693	692	715	-1	24	0.0	0.3	85	114	151	3.0	2.9
Medical equipment and supplies manufacturing	297	309	329	12	20	0.4	0.6	37	55	91	4.1	5.2

... = Not available.

Table 4-5. Employment and Output by Industry, 1992, 2002, and Projected 2012—Continued

Industry	Employment							Output				
	Thousands of jobs			Change		Average annual rate of change (percent)		Billions of chained (1996) dollars			Average annual rate of change (percent)	
	1992	2002	2012	1992–2002	2002–2012	1992–2002	2002–2012	1992	2002	2012	1992–2002	2002–2012
Other miscellaneous manufacturing	395	383	387	-12	4	-0.3	0.1	49	59	60	2.0	0.1
Wholesale trade	5 110	5 641	6 279	531	638	1.0	1.1	600	1 025	1 622	5.5	4.7
Retail trade	12 828	15 047	17 129	2 219	2 082	1.6	1.3	667	1 013	1 420	4.3	3.4
Transportation and warehousing	3 462	4 205	5 120	744	914	2.0	2.0	436	576	820	2.8	3.6
Air transportation	520	559	626	40	67	0.7	1.1	100	142	229	3.6	4.9
Rail transportation	248	218	197	-30	-21	-1.3	-1.0	37	44	58	1.8	-2.7
Water transportation	57	52	50	-5	-1	-0.9	-0.3	21	21	28	-0.1	2.8
Truck transportation and couriers and messengers	1 496	1 897	2 404	401	507	2.4	2.4	170	240	349	3.5	3.8
Transit and ground passenger transportation	288	372	488	84	116	2.6	2.8	21	26	30	2.2	1.2
Pipeline transportation	60	42	42	-19	0	-3.6	0.0	30	27	29	-1.0	0.7
Scenic and sightseeing transportation and support activities for transportation	388	553	652	165	100	3.6	1.7	36	44	57	2.1	2.6
Warehousing and storage	406	514	660	108	147	2.4	2.5	21	31	42	4.1	3.1
Information	2 641	3 420	4 052	779	632	2.6	1.7	481	891	1 498	6.4	5.3
Publishing industries	854	970	1 133	115	163	1.3	1.6	134	222	334	5.1	4.2
Newspaper, periodical, book and directory publishers	740	714	703	-27	-11	-0.4	-0.1	105	122	132	1.5	0.8
Software publishers	114	256	430	142	174	8.4	5.3	31	102	229	12.6	8.4
Internet services, data processing, and other information services	307	529	773	222	244	5.6	3.9	25	87	233	13.1	10.3
Motion picture and sound recording industries	254	387	503	133	116	4.3	2.7	50	93	178	6.3	6.7
Broadcasting and telecommunications	1 226	1 535	1 643	309	109	2.3	0.7	272	491	745	6.1	4.3
Radio and television broadcasting	226	241	235	15	-6	0.6	-0.2	34	40	46	1.7	1.5
Cable and other subscription programming and program distribution	126	221	300	95	79	5.7	3.1	36	53	64	3.9	1.9
Telecommunications, except cable and other programming distribution	873	1 073	1 108	200	35	2.1	0.3	202	401	645	7.1	4.9
Financial activities	6 540	7 843	8 806	1 303	964	1.8	1.2	1 525	2 230	3 038	3.9	3.1
Credit intermediation, and related activities, monetary authorities, and funds, trusts, and other financial vehicles	2 414	2 819	3 126	405	308	1.6	1.0	527	794	1 114	4.2	3.4
Monetary authorities and depository credit intermediation	1 793	1 761	1 873	-31	112	-0.2	0.6	281	408	584	3.8	3.7
Nondepository credit intermediation and related support activities, funds, trusts, and lessors of nonfinancial intangible (except copyrighted works)	621	1 058	1 253	436	196	5.5	1.7	246	386	530	4.6	3.2
Securities, commodity, contracts, and other financial investments and related activities	476	801	925	325	124	5.3	1.5	97	350	526	13.6	4.2
Insurance carriers and related activities	2 040	2 223	2 391	184	168	0.9	0.7	313	347	419	1.0	1.9
Insurance carriers	1 367	1 402	1 451	35	49	0.3	0.3	237	237	288	0.0	2.0
Agencies, brokerages, and other insurance related activities	672	821	940	149	119	2.0	1.4	76	112	133	3.9	1.7
Real estate	1 115	1 348	1 513	233	165	1.9	1.2	542	660	873	2.0	2.8
Rental and leasing services	496	652	852	156	200	2.8	2.7	52	88	127	5.3	3.8
Automotive equipment, rental, and leasing	151	197	225	46	28	2.7	1.3	14	34	51	9.4	4.2
Consumer goods rental and general rental centers	267	353	484	86	131	2.8	3.2	15	20	27	3.2	2.7
Commercial and industrial machinery and equipment, rental, and leasing	78	102	143	24	41	2.7	3.4	24	34	50	3.5	3.9
Professional, scientific, and technical services	4 594	6 715	8 579	2 122	1 864	3.9	2.5	568	881	1 370	4.5	4.5
Legal services	950	1 112	1 330	162	218	1.6	1.8	142	151	171	0.6	1.3
Accounting, tax preparation, bookkeeping, and payroll services	658	867	1 082	209	215	2.8	2.2	58	80	98	3.2	2.1
Architectural, engineering, and related services	902	1 251	1 306	349	54	3.3	0.4	110	157	217	3.7	3.3
Specialized design services	81	123	161	42	38	4.2	2.7	13	21	29	5.0	3.6
Computer systems design and related services	445	1 163	1 798	718	635	10.1	4.5	55	127	302	8.8	9.0
Management, scientific, and technical consulting services	358	732	1 137	374	406	7.4	4.5	59	114	169	6.7	4.1
Scientific research and development and other technical services	830	1 026	1 241	196	215	2.1	1.9	90	166	284	6.3	5.5
Advertising and related services	370	442	525	72	84	1.8	1.7	42	67	111	4.8	5.2
Management of companies and enterprises	1 623	1 711	1 906	88	195	0.5	1.1	256	468	669	6.2	3.6
Administrative and support and waste management and remediation services	4 753	7 584	10 391	2 831	2 807	4.8	3.2	240	433	638	6.1	4.0
Administrative support services	4 516	7 267	9 987	2 751	2 720	4.9	3.2	206	384	572	6.4	4.1
Office administrative and facilities support services	275	390	508	116	117	3.6	2.7	27	58	87	8.1	4.2
Employment services	1 593	3 249	5 012	1 656	1 764	7.4	4.4	47	104	172	8.3	5.1
Business support and investigation and security services and support services, n.e.c.	1 244	1 772	2 261	528	489	3.6	2.5	64	114	165	6.0	3.7
Travel arrangement and reservation services	245	258	226	13	-32	0.5	-1.3	21	25	36	1.8	3.7
Services to buildings and dwellings	1 160	1 597	1 980	438	383	3.3	2.2	47	81	109	5.5	3.1

n.e.c. = not elsewhere classified.

Table 4-5. Employment and Output by Industry, 1992, 2002, and Projected 2012—Continued

Industry	Employment						Output					
	Thousands of jobs			Change		Average annual rate of change (percent)		Billions of chained (1996) dollars			Average annual rate of change (percent)	
	1992	2002	2012	1992–2002	2002–2012	1992–2002	2002–2012	1992	2002	2012	1992–2002	2002–2012
Waste management and remediation services	237	317	404	80	87	3.0	2.5	34	49	66	3.7	3.0
Educational services	1 713	2 651	3 410	938	759	4.5	2.6	95	125	149	2.8	1.8
Health care and social assistance	10 178	13 533	17 919	3 355	4 386	2.9	2.8	719	962	1 326	3.0	3.3
Ambulatory health care services	3 200	4 634	6 532	1 434	1 899	3.8	3.5	332	452	656	3.1	3.8
Offices of health practitioners	2 267	3 190	4 419	923	1 229	3.5	3.3	251	332	469	2.9	3.5
Ambulatory health care services except offices of health practitioners	933	1 444	2 113	511	670	4.5	3.9	82	120	...	...	...
Hospitals	3 711	4 153	4 785	442	632	1.1	1.4	256	334	424	2.7	2.4
Nursing and residential care facilities	2 044	2 743	3 685	700	942	3.0	3.0	71	88	114	2.1	2.6
Nursing care and residential and mental health facilities	1 578	2 048	2 607	470	559	2.6	2.4	56	65	82	1.5	2.4
Community care facilities for the elderly and residential care facilities, n.e.c.	465	695	1 078	230	382	4.1	4.5	16	23	33	4.2	3.4
Social assistance	1 223	2 004	2 917	780	913	5.1	3.8	59	88	132	4.1	4.1
Individual, family, community, and vocational rehabilitation services	777	1 269	1 867	493	597	5.0	3.9	34	52	78	4.2	4.1
Child day care services	447	734	1 050	288	316	5.1	3.6	24	37	55	4.3	4.0
Arts, entertainment, and recreation	1 236	1 778	2 275	542	497	3.7	2.5	95	143	200	4.2	3.4
Performing arts, spectator sports, and related industries	290	358	421	68	63	2.1	1.6	41	53	65	2.4	2.2
Performing arts companies, promoters, agents, managers, and independent artists	195	240	277	45	37	2.1	1.4	27	34	43	2.4	2.3
Spectator sports	95	118	144	23	26	2.2	2.0	15	19	22	2.3	1.9
Museums, historical sites and similar institutions	75	113	136	38	24	4.1	1.9	4	7	9	5.9	2.7
Amusement, gambling, and recreation industries	872	1 308	1 717	436	410	4.1	2.8	49	83	126	5.5	4.2
Accommodation and food services	8 201	10 191	11 829	1 991	1 638	2.2	1.5	347	449	597	2.6	2.9
Accommodation	1 562	1 780	2 080	218	301	1.3	1.6	90	116	173	2.5	4.1
Traveler accommodation	1 517	1 726	2 019	209	293	1.3	1.6	88	113	169	2.5	4.1
RV parks, recreational camps, and rooming and boarding houses	44	53	62	9	8	1.9	1.5	2	3	4	2.1	3.2
Food services and drinking places	6 639	8 412	9 749	1 773	1 337	2.4	1.5	256	333	423	2.7	2.4
Other services	5 120	6 105	7 065	985	960	1.8	1.5	298	382	506	2.5	2.9
Repair and maintenance	964	1 241	1 418	277	177	2.6	1.3	118	158	205	2.9	2.7
Automotive repair and maintenance	636	897	1 046	261	149	3.5	1.6	69	93	124	3.1	2.9
Electronic and precision equipment repair and maintenance	99	105	101	7	-5	0.6	-0.5	17	17	18	0.5	0.2
Commercial and industrial equipment (except automotive and electric) repair and maintenance	149	156	185	8	29	0.5	1.7	16	28	42	5.4	4.1
Personal and household goods repair and maintenance	80	82	86	2	3	0.2	0.4	17	20	22	2.0	0.7
Personal and laundry services	1 099	1 247	1 485	148	238	1.3	1.8	76	98	125	2.6	2.4
Personal care services	434	523	667	89	144	1.9	2.5	20	27	35	2.8	2.6
Death care services	116	139	155	22	16	1.8	1.1	12	12	13	0.5	0.8
Drycleaning and laundry services	359	366	393	7	27	0.2	0.7	18	21	25	1.5	1.7
Other personal services	190	219	270	29	51	1.4	2.1	26	38	53	4.0	3.3
Religious, grantmaking, civic, professional, and similar organizations	2 177	2 861	3 460	684	600	2.8	1.9	94	117	166	2.2	3.6
Religious, grantmaking, and giving services, and social advocacy organizations	1 403	1 944	2 372	541	428	3.3	2.0	49	66	107	3.1	4.9
Civic, social, business, and similar organizations	774	917	1 088	143	172	1.7	1.7	45	50	59	1.2	1.5
Private households	880	757	703	-123	-54	-1.5	-0.7	10	9	11	-0.8	1.1

n.e.c. = not elsewhere classified.

... = Not available.

Table 4-5. Employment and Output by Industry, 1992, 2002, and Projected 2012—Continued

Industry	Employment							Output				
	Thousands of jobs			Change		Average annual rate of change (percent)		Billions of chained (1996) dollars			Average annual rate of change (percent)	
	1992	2002	2012	1992–2002	2002–2012	1992–2002	2002–2012	1992	2002	2012	1992–2002	2002–2012
Federal government	3 111	2 767	2 779	-344	12	-1.2	0.0	394	378	443	-0.4	1.6
Postal Service	800	845	807	45	-38	0.5	-0.5	51	61	76	1.7	2.2
Federal electric utilities	28	28	24	1	-4	0.2	-1.7	7	9	11	2.5	2.0
Federal government enterprises	138	52	32	-86	-20	-9.3	-4.6	6	7	11	1.4	4.1
Federal general government	2 145	1 842	1 915	-303	73	-1.5	0.4	252	209	216	-1.9	0.4
Federal government capital services .....	...	...	...	...	...	...	...	78	93	133	1.7	3.7
Local government passenger transit	210	231	260	21	29	1.0	1.2	7	9	10	2.6	0.4
State and local government	15 675	18 722	21 240	3 047	2 518	1.8	1.3	685	839	980	2.0	1.6
State and local electric utilities	85	93	108	9	14	1.0	1.4	18	24	29	2.5	2.2
State and local government enterprises	532	689	734	157	46	2.6	0.6	78	104	131	2.9	2.4
State and local government hospitals	1 083	995	1 024	-89	29	-0.9	0.3	41	48	56	1.5	1.5
State and local government education	7 875	9 876	11 606	2 002	1 730	2.3	1.6	276	321	375	1.5	1.5
State and local general government, n.e.c.	5 890	6 838	7 508	948	670	1.5	0.9	207	241	260	1.5	0.8
State and local government capital services .....	...	...	...	...	...	...	...	58	93	122	4.9	2.8
Owner-occupied dwellings³ .....	...	...	...	...	...	...	...	552	710	907	2.6	2.5
Agriculture	2 639	2 245	1 905	-394	-340	-1.6	-1.6	274	300	352	0.9	1.6
Agricultural products	2 318	1 955	1 632	-362	-324	-1.7	-1.8	221	246	286	1.1	1.5
Forestry, fishing, hunting, and trapping	96	68	50	-28	-17	-3.4	-2.9	12	12	14	-0.4	1.7
Logging	120	98	90	-23	-7	-2.1	-0.8	29	31	36	0.8	1.4
Support activities for agriculture and forestry	105	124	133	19	9	1.6	0.7	11	11	16	-0.3	3.4
Nonagriculture self-employed and unpaid family workers⁴	9 009	9 018	9 162	10	144	0.0	0.2	...	...	...	...	...
Secondary wage and salary jobs in agriculture production, forestry, fishing, and private household industries⁵	178	143	128	-35	-15	-2.2	-1.1	...	...	...	...	...
Secondary jobs as a self-employed or unpaid family worker⁶	1 973	1 545	1 434	-428	-111	-2.4	-0.7	...	...	...	...	...

n.e.c. = not elsewhere classified.

³Includes agriculture, forestry, fishing, and hunting data from the Current Population Survey, except logging, which is from the Current Employment Survey and government wage and salary workers, which are excluded.

⁴Comparable estimate of output growth is not available.

⁵Workers who hold a secondary wage and salary job in agricultural production, forestry, fishing, and private household industries.

⁶Wage and salary workers who hold a secondary wage and salary job as a self-employed or unpaid family worker.

... = Not available.

Table 4-6. Employment by Occupation, 2002 and Projected 2012

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
TOTAL, ALL OCCUPATIONS	144 014	165 319	100.0	100.0	21 305	14.8	56 305
Management, business, and financial occupations	15 501	17 883	10.8	10.8	2 382	15.4	5 319
Management occupations	10 056	11 277	7.0	6.8	1 221	12.1	3 192
Top executives	2 669	3 138	1.9	1.9	469	17.6	969
Chief executives	553	645	0.4	0.4	93	16.7	197
General and operations managers	2 049	2 425	1.4	1.5	376	18.4	762
Legislators	67	68	0.0	0.0	1	1.1	9
Advertising, marketing, promotions, public relations, and sales managers	700	885	0.5	0.5	185	26.5	313
Advertising and promotions managers	85	107	0.1	0.1	21	25.0	37
Marketing and sales managers	546	693	0.4	0.4	148	27.1	249
Marketing managers	203	246	0.1	0.1	43	21.3	81
Sales managers	343	448	0.2	0.3	105	30.5	168
Public relations managers	69	85	0.0	0.1	16	23.4	28
Operations specialties managers	1 807	2 163	1.3	1.3	356	19.7	671
Administrative services managers	321	384	0.2	0.2	63	19.8	126
Computer and information systems managers	284	387	0.2	0.2	103	36.1	154
Financial managers	599	709	0.4	0.4	109	18.3	195
Human resources managers	202	242	0.1	0.1	39	19.4	73
Industrial production managers	182	197	0.1	0.1	14	7.9	50
Purchasing managers	108	113	0.1	0.1	5	4.8	29
Transportation, storage, and distribution managers	111	133	0.1	0.1	22	19.7	44
Other management occupations	4 880	5 090	3.4	3.1	210	4.3	1 240
Agricultural managers	1 376	1 149	1.0	0.7	-227	-16.5	117
Farm, ranch, and other agricultural managers	218	229	0.2	0.1	11	5.1	49
Farmers and ranchers	1 158	920	0.8	0.6	-238	-20.6	68
Construction managers	389	435	0.3	0.3	47	12.0	117
Education administrators	427	527	0.3	0.3	101	23.6	207
Education administrators, preschool and child care center/program	58	77	0.0	0.0	19	32.0	33
Education administrators, elementary and secondary school	217	262	0.2	0.2	45	20.7	99
Education administrators, postsecondary	125	157	0.1	0.1	32	25.9	63
Education administrators, all other	27	32	0.0	0.0	5	19.1	12
Engineering managers	212	231	0.1	0.1	20	9.2	62
Food service managers	386	430	0.3	0.3	44	11.5	107
Funeral directors	24	26	0.0	0.0	2	6.6	9
Gaming managers	6	7	0.0	0.0	1	12.4	2
Lodging managers	69	73	0.0	0.0	5	6.6	16
Medical and health services managers	244	315	0.2	0.2	71	29.3	119
Natural sciences managers	45	51	0.0	0.0	5	11.3	14
Postmasters and mail superintendents	25	25	0.0	0.0	0	-0.5	5
Property, real estate, and community association managers	293	330	0.2	0.2	37	12.8	92
Social and community service managers	129	164	0.1	0.1	36	27.7	60
All other managers	1 256	1 325	0.9	0.8	69	5.5	314
Business and financial operations occupations	5 445	6 606	3.8	4.0	1 162	21.3	2 127
Business operations specialists	3 177	3 910	2.2	2.4	733	23.1	1 295
Agents and business managers of artists, performers, and athletes	15	19	0.0	0.0	4	27.8	7
Buyers and purchasing agents	419	455	0.3	0.3	36	8.6	144
Purchasing agents and buyers, farm products	19	21	0.0	0.0	2	10.2	8
Wholesale and retail buyers, except farm products	155	162	0.1	0.1	7	4.3	47
Purchasing agents, except wholesale, retail, and farm products	245	273	0.2	0.2	27	11.2	88
Claims adjusters, appraisers, examiners, and investigators	241	275	0.2	0.2	34	14.0	64
Claims adjusters, examiners, and investigators	227	260	0.2	0.2	32	14.2	60
Insurance appraisers, auto damage	14	16	0.0	0.0	2	11.7	3
Compliance officers, except agriculture, construction, health and safety, and transportation	158	173	0.1	0.1	15	9.8	52
Cost estimators	188	223	0.1	0.1	35	18.6	77
Emergency management specialists	11	14	0.0	0.0	3	28.2	6
Human resources, training, and labor relations specialists ²	474	606	0.3	0.4	131	27.7	204
Employment, recruitment, and placement specialists	175	223	0.1	0.1	48	27.3	75
Compensation, benefits, and job analysis specialists	91	116	0.1	0.1	25	28.0	39
Training and development specialists	209	267	0.1	0.2	58	27.9	90
Management analysts	577	753	0.4	0.5	176	30.4	255
Meeting and convention planners	37	45	0.0	0.0	8	21.3	16
All other business operations specialists ³	1 056	1 346	0.7	0.8	290	27.5	470
Financial specialists	2 268	2 696	1.6	1.6	429	18.9	832
Accountants and auditors	1 055	1 261	0.7	0.8	205	19.5	405
Appraisers and assessors of real estate	88	104	0.1	0.1	16	17.6	34
Budget analysts	62	71	0.0	0.0	9	14.0	19
Credit analysts	66	78	0.0	0.0	12	18.7	23
Financial analysts and advisors	400	486	0.3	0.3	86	21.5	146
Financial analysts	172	204	0.1	0.1	32	18.7	58
Personal financial advisors	126	170	0.1	0.1	44	34.6	60
Insurance underwriters	102	112	0.1	0.1	10	10.0	28
Financial examiners	25	27	0.0	0.0	2	8.9	8
Loan counselors and officers	255	302	0.2	0.2	48	18.7	89
Loan counselors	31	37	0.0	0.0	6	17.8	11
Loan officers	223	266	0.2	0.2	42	18.8	78
Tax examiners, collectors, preparers, and revenue agents	154	176	0.1	0.1	22	14.4	52
Tax examiners, collectors, and revenue agents	75	79	0.1	0.0	4	5.0	21
Tax preparers	79	98	0.1	0.1	18	23.2	32
All other financial specialists	162	190	0.1	0.1	28	17.6	57

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.²Information about the detailed residual occupation for this broad occupation is not included.³This occupation contains two or more detailed SOC occupations.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Professional and related occupations	27 687	34 147	19.2	20.7	6 459	23.3	11 794
Computer and mathematical science occupations	3 018	4 069	2.1	2.5	1 051	34.8	1 465
Computer specialists	2 911	3 954	2.0	2.4	1 043	35.8	1 429
Computer and information scientists, research	23	30	0.0	0.0	7	29.9	10
Computer programmers	499	571	0.3	0.3	73	14.6	190
Computer software engineers	675	982	0.5	0.6	307	45.5	374
Computer software engineers, applications	394	573	0.3	0.3	179	45.5	218
Computer software engineers, systems software	281	409	0.2	0.2	128	45.5	156
Computer support specialists	507	660	0.4	0.4	153	30.3	216
Computer systems analysts	468	653	0.3	0.4	184	39.4	237
Database administrators	110	159	0.1	0.1	49	44.2	60
Network and computer systems administrators	251	345	0.2	0.2	94	37.4	122
Network systems and data communications analysts	186	292	0.1	0.2	106	57.0	128
All other computer specialists	192	262	0.1	0.2	70	36.5	92
Mathematical science occupations	107	115	0.1	0.1	8	7.4	36
Actuaries	15	18	0.0	0.0	2	14.9	9
Mathematicians	3	3	0.0	0.0	0	-1.0	1
Operations research analysts	62	66	0.0	0.0	4	6.2	17
Statisticians	20	21	0.0	0.0	1	4.8	6
Miscellaneous mathematical science occupations	7	8	0.0	0.0	1	11.8	2
Architecture and engineering occupations	2 587	2 809	1.8	1.7	222	8.6	802
Architects, surveyors, and cartographers	204	233	0.1	0.1	29	14.1	67
Architects, except naval	136	161	0.1	0.1	25	18.1	40
Architects, except landscape and naval	113	133	0.1	0.1	20	17.3	32
Landscape architects	23	28	0.0	0.0	5	22.2	8
Surveyors, cartographers, and photogrammetrists	64	68	0.0	0.0	4	5.6	26
Cartographers and photogrammetrists	9	10	0.0	0.0	1	15.1	4
Surveyors	56	58	0.0	0.0	2	4.2	21
All other architects, surveyors, and cartographers ⁴	3	4	0.0	0.0	0	10.9	1
Engineers	1 478	1 587	1.0	1.0	109	7.3	431
Aerospace engineers	78	74	0.1	0.0	-4	-5.2	19
Agricultural engineers	3	3	0.0	0.0	0	10.3	1
Biomedical engineers	8	10	0.0	0.0	2	26.1	3
Chemical engineers	33	33	0.0	0.0	0	0.4	10
Civil engineers	228	246	0.2	0.1	18	8.0	55
Computer hardware engineers	74	78	0.1	0.0	5	6.1	17
Electrical and electronics engineers	292	309	0.2	0.2	17	5.7	74
Electrical engineers	156	160	0.1	0.1	4	2.5	34
Electronics engineers, except computer	136	149	0.1	0.1	13	9.4	40
Environmental engineers	47	65	0.0	0.0	18	38.2	26
Industrial engineers, including health and safety	194	213	0.1	0.1	20	10.1	67
Health and safety engineers, except mining safety engineers and inspectors	36	38	0.0	0.0	3	7.9	11
Industrial engineers	158	175	0.1	0.1	17	10.6	55
Marine engineers and naval architects	5	5	0.0	0.0	0	-5.0	2
Materials engineers	24	25	0.0	0.0	1	4.1	7
Mechanical engineers	215	225	0.1	0.1	10	4.8	69
Mining and geological engineers, including mining safety engineers	5	5	0.0	0.0	0	-2.7	6
Nuclear engineers	16	16	0.0	0.0	0	-0.1	5
Petroleum engineers	14	12	0.0	0.0	-1	-9.8	4
All other engineers	243	267	0.2	0.2	24	9.7	70
Drafters, engineering, and mapping technicians	905	990	0.6	0.6	85	9.4	304
Drafters ²	216	222	0.2	0.1	6	2.8	67
Architectural and civil drafters	106	110	0.1	0.1	4	4.2	34
Electrical and electronics drafters	38	38	0.0	0.0	0	0.7	11
Mechanical drafters	72	74	0.1	0.0	1	1.9	22
Engineering technicians, except drafters ²	478	526	0.3	0.3	48	10.1	148
Aerospace engineering and operations technicians	15	15	0.0	0.0	0	1.5	3
Civil engineering technicians	92	99	0.1	0.1	7	7.6	26
Electrical and electronic engineering technicians	204	224	0.1	0.1	20	10.0	63
Electro-mechanical technicians	31	35	0.0	0.0	4	11.5	10
Environmental engineering technicians	19	24	0.0	0.0	5	28.4	9
Industrial engineering technicians	62	67	0.0	0.0	5	8.7	18
Mechanical engineering technicians	55	61	0.0	0.0	6	11.0	18
Surveying and mapping technicians	60	74	0.0	0.0	14	23.1	36
All other drafters, engineering, and mapping technicians ⁴	150	167	0.1	0.1	17	11.3	53
Life, physical, and social science occupations	1 237	1 450	0.9	0.9	212	17.2	511
Life scientists	214	253	0.1	0.2	39	18.2	91
Agricultural and food scientists	18	20	0.0	0.0	2	9.1	5
Biological scientists	75	90	0.1	0.1	14	19.0	38
Biochemists and biophysicists	17	21	0.0	0.0	4	22.9	9
Microbiologists	16	20	0.0	0.0	3	20.0	8
Zoologists and wildlife biologists	15	16	0.0	0.0	1	7.7	6
Biological scientists, all other	27	33	0.0	0.0	6	22.3	15
Conservation scientists and foresters	33	34	0.0	0.0	1	4.4	11
Conservation scientists	19	20	0.0	0.0	1	4.1	6
Foresters	14	14	0.0	0.0	1	4.7	5

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

²Information about the detailed residual occupation for this broad occupation is not included.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Medical scientists	62	79	0.0	0.0	17	27.3	28
Epidemiologists	4	5	0.0	0.0	1	32.5	2
Medical scientists, except epidemiologists	58	73	0.0	0.0	16	26.9	26
All other life scientists	26	31	0.0	0.0	5	18.3	9
Physical scientists	251	287	0.2	0.2	36	14.4	100
Astronomers and physicists	14	15	0.0	0.0	1	6.8	6
Astronomers	1	1	0.0	0.0	0	4.9	0
Physicists	13	14	0.0	0.0	1	6.9	5
Atmospheric and space scientists	8	9	0.0	0.0	1	16.2	4
Chemists and materials scientists	91	103	0.1	0.1	11	12.4	41
Chemists	84	95	0.1	0.1	11	12.7	38
Materials scientists	7	8	0.0	0.0	1	8.5	3
Environmental scientists and geoscientists	101	121	0.1	0.1	20	20.1	38
Environmental scientists and specialists, including health	65	80	0.0	0.0	15	23.7	27
Geoscientists, except hydrologists and geographers	28	31	0.0	0.0	3	11.5	8
Hydrologists	8	10	0.0	0.0	2	21.0	3
All other physical scientists	37	39	0.0	0.0	2	6.5	11
Social scientists and related occupations	426	512	0.3	0.3	86	20.1	190
Economists	16	18	0.0	0.0	2	13.4	7
Market and survey researchers	155	193	0.1	0.1	38	24.7	78
Market research analysts	134	166	0.1	0.1	31	23.4	66
Survey researchers	20	27	0.0	0.0	7	33.6	12
Psychologists ⁵	139	173	0.1	0.1	34	24.3	64
Clinical, counseling, and school psychologists	137	171	0.1	0.1	34	24.4	63
Industrial-organizational psychologists	2	2	0.0	0.0	0	16.0	1
Sociologists	3	3	0.0	0.0	0	13.4	1
Urban and regional planners	32	36	0.0	0.0	3	10.7	14
Miscellaneous social scientists and related workers ⁵	14	15	0.0	0.0	1	9.2	4
Anthropologists and archeologists	5	5	0.0	0.0	1	12.8	2
Geographers	1	1	0.0	0.0	0	19.5	0
Historians	2	2	0.0	0.0	0	6.6	1
Political scientists	6	6	0.0	0.0	0	5.9	2
All other social scientists and related workers ³	68	74	0.0	0.0	7	9.7	21
Life, physical, and social science technicians	346	397	0.2	0.2	51	14.8	130
Agricultural and food science technicians	20	22	0.0	0.0	2	9.3	6
Biological technicians	48	57	0.0	0.0	9	19.4	17
Chemical technicians	69	72	0.0	0.0	3	4.7	20
Geological and petroleum technicians	11	11	0.0	0.0	0	1.3	3
Nuclear technicians	6	6	0.0	0.0	0	1.5	2
Other life, physical, and social science technicians ⁵	55	67	0.0	0.0	12	22.8	25
Environmental science and protection technicians, including health	28	38	0.0	0.0	10	36.8	17
Forensic science technicians	8	10	0.0	0.0	2	18.9	4
Forest and conservation technicians	19	20	0.0	0.0	1	4.0	5
All other life, physical, and social science technicians ³	137	161	0.1	0.1	24	17.5	56
Community and social services occupations	2 190	2 764	1.5	1.7	574	26.2	992
Counselors, social workers, and other community and social service specialists ²	1 436	1 853	1.0	1.1	417	29.0	695
Counselors ²	526	645	0.4	0.4	119	22.6	239
Substance abuse and behavioral disorder counselors	67	83	0.0	0.1	16	23.3	31
Educational, vocational, and school counselors	228	262	0.2	0.2	34	15.0	86
Marriage and family therapists	23	29	0.0	0.0	5	22.4	11
Mental health counselors	85	107	0.1	0.1	23	26.7	42
Rehabilitation counselors	122	164	0.1	0.1	41	33.8	69
Social workers ²	477	604	0.3	0.4	127	26.7	209
Child, family, and school social workers	274	338	0.2	0.2	64	23.2	111
Medical and public health social workers	107	138	0.1	0.1	31	28.6	49
Mental health and substance abuse social workers	95	128	0.1	0.1	33	34.5	49
Miscellaneous community and social service specialists ²	434	605	0.3	0.4	171	39.4	247
Health educators	45	54	0.0	0.0	10	21.9	18
Probation officers and correctional treatment specialists	84	97	0.1	0.1	12	14.7	27
Social and human service assistants	305	454	0.2	0.3	149	48.7	202
Religious workers ²	506	593	0.4	0.4	87	17.3	181
Clergy	400	463	0.3	0.3	62	15.5	144
Directors, religious activities and education	105	131	0.1	0.1	25	24.1	37
All other counselors, social, and religious workers ⁴	248	318	0.2	0.2	70	28.3	116
Legal occupations	1 168	1 357	0.8	0.8	190	16.2	327
Lawyers, judges, and related workers	747	869	0.5	0.5	122	16.4	218
Lawyers	695	813	0.5	0.5	118	17.0	207
Judges, magistrates, and other judicial workers	51	56	0.0	0.0	4	8.3	11
Administrative law judges, adjudicators, and hearing officers	19	20	0.0	0.0	1	5.8	3
Arbitrators, mediators, and conciliators	6	7	0.0	0.0	1	13.7	2
Judges, magistrate judges, and magistrates	27	29	0.0	0.0	2	8.7	6
Legal support workers	320	380	0.2	0.2	60	18.7	91
Paralegals and legal assistants	200	257	0.1	0.2	57	28.7	73
Miscellaneous legal support workers ²	121	123	0.1	0.1	3	2.1	17
Court reporters	18	20	0.0	0.0	2	12.7	4
Law clerks	48	50	0.0	0.0	2	3.7	7
Title examiners, abstractors, and searchers	55	53	0.0	0.0	-1	-2.7	6

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

²Information about the detailed residual occupation for this broad occupation is not included.

³This occupation contains two or more detailed SOC occupations.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

⁵This minor occupation group contains a detailed occupation from another minor occupation group.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
All other legal and related workers ⁴	101	109	0.1	0.1	8	7.6	19
Education, training, and library occupations	8 530	10 639	5.9	6.4	2 109	24.7	3 890
Postsecondary teachers	1 581	2 184	1.1	1.3	603	38.1	960
Primary, secondary, and special education teachers	4 187	4 983	2.9	3.0	795	19.0	1 733
Preschool and kindergarten teachers	592	791	0.4	0.5	199	33.6	270
Preschool teachers, except special education	424	577	0.3	0.3	153	36.2	204
Kindergarten teachers, except special education	168	214	0.1	0.1	46	27.2	66
Elementary and middle school teachers	2 070	2 347	1.4	1.4	277	13.4	734
Elementary school teachers, except special education	1 467	1 690	1.0	1.0	223	15.2	547
Middle school teachers, except special and vocational education	585	637	0.4	0.4	52	9.0	182
Vocational education teachers, middle school	18	19	0.0	0.0	2	9.0	5
Secondary school teachers	1 093	1 282	0.8	0.8	189	17.3	497
Secondary school teachers, except special and vocational education	988	1 167	0.7	0.7	180	18.2	458
Vocational education teachers, secondary school	105	115	0.1	0.1	10	9.0	39
Special education teachers	433	563	0.3	0.3	130	30.0	233
Other teachers and instructors	960	1 285	0.7	0.8	325	33.9	444
Adult literacy, remedial education, and GED teachers and instructors	80	96	0.1	0.1	16	20.4	26
Self-enrichment education teachers	200	281	0.1	0.2	80	40.1	105
All other teachers, primary, secondary, and adult ⁴	679	908	0.5	0.5	229	33.7	312
Librarians, curators, and archivists	309	349	0.2	0.2	41	13.2	129
Archivists, curators, and museum technicians	22	26	0.0	0.0	4	17.0	9
Librarians	167	184	0.1	0.1	17	10.1	57
Library technicians	119	139	0.1	0.1	20	16.8	64
Other education, training, and library occupations	1 493	1 838	1.0	1.1	345	23.1	624
Audio-visual collections specialists	10	11	0.0	0.0	2	16.3	3
Farm and home management advisors	16	17	0.0	0.0	1	6.9	3
Instructional coordinators	98	123	0.1	0.1	25	25.4	40
Teacher assistants	1 277	1 571	0.9	1.0	294	23.0	541
All other library, museum, training, and other education workers ⁴	93	116	0.1	0.1	23	24.6	37
Arts, design, entertainment, sports, and media occupations	2 377	2 769	1.7	1.7	393	16.5	847
Art and design occupations	775	900	0.5	0.5	125	16.1	245
Artists and related workers	149	170	0.1	0.1	21	14.4	54
Art directors	51	56	0.0	0.0	6	11.4	17
Fine artists, including painters, sculptors, and illustrators	23	27	0.0	0.0	4	16.5	9
Multi-media artists and animators	75	87	0.1	0.1	12	15.8	28
Designers	532	625	0.4	0.4	93	17.4	164
Commercial and industrial designers	52	59	0.0	0.0	8	14.7	15
Fashion designers	15	16	0.0	0.0	2	10.6	4
Floral designers	104	117	0.1	0.1	13	12.4	27
Graphic designers	212	258	0.1	0.2	46	21.9	75
Interior designers	60	73	0.0	0.0	13	21.7	21
Merchandise displayers and window trimmers	77	86	0.1	0.1	9	11.3	19
Set and exhibit designers	12	15	0.0	0.0	3	20.9	4
All other art and design workers ³	95	106	0.1	0.1	11	11.5	28
Entertainers and performers, sports and related occupations	606	709	0.4	0.4	103	17.0	228
Actors, producers, and directors	139	164	0.1	0.1	25	18.0	44
Actors	63	74	0.0	0.0	11	17.7	19
Producers and directors	76	90	0.1	0.1	14	18.3	25
Athletes, coaches, umpires, and related workers	158	187	0.1	0.1	29	18.3	59
Athletes and sports competitors	15	18	0.0	0.0	3	19.2	6
Coaches and scouts	130	153	0.1	0.1	24	18.3	49
Umpires, referees, and other sports officials	14	16	0.0	0.0	2	16.9	5
Dancers and choreographers	37	42	0.0	0.0	5	13.3	28
Dancers	20	22	0.0	0.0	2	11.1	15
Choreographers	17	20	0.0	0.0	3	15.8	13
Musicians, singers, and related workers	215	250	0.1	0.2	35	16.2	80
Music directors and composers	54	62	0.0	0.0	7	13.5	19
Musicians and singers	161	189	0.1	0.1	27	17.1	61
All other entertainers and performers, sports and related workers	56	65	0.0	0.0	9	16.4	16
Media and communication occupations	700	815	0.5	0.5	115	16.4	260
Announcers	76	68	0.1	0.0	-8	-10.1	19
News analysts, reporters and correspondents	66	70	0.0	0.0	4	6.2	20
Public relations specialists	158	210	0.1	0.1	52	32.9	75
Writers and editors	319	370	0.2	0.2	51	16.0	121
Editors	130	145	0.1	0.1	15	11.8	47
Technical writers	50	63	0.0	0.0	13	27.1	28
Writers and authors	139	161	0.1	0.1	22	16.1	46
Miscellaneous media and communications workers	82	97	0.1	0.1	15	18.6	25
Interpreters and translators	24	29	0.0	0.0	5	22.1	8
All other media and communication workers	58	68	0.0	0.0	10	17.2	17
Media and communication equipment occupations	295	345	0.2	0.2	50	16.9	115
Broadcast and sound engineering technicians and radio operators	93	111	0.1	0.1	18	19.6	41
Audio and video equipment technicians	42	53	0.0	0.0	11	26.7	21
Broadcast technicians	35	39	0.0	0.0	4	11.3	13
Radio operators	3	3	0.0	0.0	0	-6.2	1
Sound engineering technicians	13	16	0.0	0.0	3	25.5	6

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

³This occupation contains two or more detailed SOC occupations.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Photographers	130	148	0.1	0.1	18	13.6	44
Television, video, and motion picture camera operators and editors	48	56	0.0	0.0	9	18.7	19
Camera operators, television, video, and motion picture	28	32	0.0	0.0	4	13.4	10
Film and video editors	19	25	0.0	0.0	5	26.4	9
All other media and communication equipment workers	24	29	0.0	0.0	5	20.1	10
Healthcare practitioners and technical occupations	6 580	8 288	4.6	5.0	1 708	26.0	2 959
Health diagnosing and treating practitioners	4 071	5 125	2.8	3.1	1 054	25.9	1 849
Chiropractors	49	60	0.0	0.0	11	23.3	21
Dentists	153	159	0.1	0.1	6	4.1	32
Dietitians and nutritionists	49	58	0.0	0.0	9	17.8	21
Optometrists	32	38	0.0	0.0	5	17.1	14
Pharmacists	230	299	0.2	0.2	69	30.1	114
Physicians and surgeons	583	697	0.4	0.4	114	19.5	191
Physician assistants	63	94	0.0	0.1	31	48.9	40
Podiatrists	13	15	0.0	0.0	2	15.0	5
Registered nurses	2 284	2 908	1.6	1.8	623	27.3	1 101
Therapists ²	450	592	0.3	0.4	142	31.7	231
Audiologists	11	14	0.0	0.0	3	29.0	6
Occupational therapists	82	110	0.1	0.1	29	35.2	40
Physical therapists	137	185	0.1	0.1	48	35.3	62
Radiation therapists	14	18	0.0	0.0	4	31.6	7
Recreational therapists	27	29	0.0	0.0	2	9.1	9
Respiratory therapists	86	116	0.1	0.1	30	34.8	58
Speech-language pathologists	94	120	0.1	0.1	26	27.2	49
Veterinarians	58	72	0.0	0.0	14	25.1	28
All other health diagnosing and treating practitioners ³	107	134	0.1	0.1	26	24.5	50
Health technologists and technicians ²	2 263	2 857	1.6	1.7	593	26.2	1 002
Clinical laboratory technologists and technicians	297	355	0.2	0.2	58	19.4	138
Medical and clinical laboratory technologists	150	179	0.1	0.1	29	19.3	69
Medical and clinical laboratory technicians	147	176	0.1	0.1	29	19.4	68
Dental hygienists	148	212	0.1	0.1	64	43.1	76
Diagnostic related technologists and technicians	271	338	0.2	0.2	67	24.8	118
Cardiovascular technologists and technicians	43	58	0.0	0.0	15	33.5	23
Diagnostic medical sonographers	37	45	0.0	0.0	9	24.0	16
Nuclear medicine technologists	17	21	0.0	0.0	4	23.6	7
Radiologic technologists and technicians	174	214	0.1	0.1	40	22.9	72
Emergency medical technicians and paramedics	179	238	0.1	0.1	59	33.1	80
Health diagnosing and treating practitioner support technicians	451	574	0.3	0.3	123	27.2	181
Dietetic technicians	29	35	0.0	0.0	6	20.2	10
Pharmacy technicians	211	271	0.1	0.2	61	28.8	88
Psychiatric technicians	60	63	0.0	0.0	4	5.9	11
Respiratory therapy technicians	26	35	0.0	0.0	9	34.2	12
Surgical technologists	72	92	0.1	0.1	20	27.9	30
Veterinary technologists and technicians	53	76	0.0	0.0	23	44.1	30
Licensed practical and licensed vocational nurses	702	844	0.5	0.5	142	20.2	295
Medical records and health information technicians	147	216	0.1	0.1	69	46.8	90
Opticians, dispensing	63	75	0.0	0.0	11	18.2	23
Miscellaneous health technologists and technicians ²	6	6	0.0	0.0	1	18.9	2
Orthotists and prosthetists	5	6	0.0	0.0	1	18.9	2
Other healthcare practitioners and technical occupations ²	56	65	0.0	0.0	10	17.4	22
Occupational health and safety specialists and technicians	41	47	0.0	0.0	5	13.2	14
Miscellaneous health practitioners and technical workers ²	14	19	0.0	0.0	4	29.9	7
Athletic trainers	14	19	0.0	0.0	4	29.9	7
All other health practitioners and technical workers ³	190	241	0.1	0.1	52	27.2	86
Service occupations	26 569	31 905	18.4	19.3	5 336	20.1	12 962
Healthcare support occupations	3 310	4 452	2.3	2.7	1 143	34.5	1 669
Nursing, psychiatric, and home health aides	2 014	2 645	1.4	1.6	630	31.3	894
Home health aides	580	859	0.4	0.5	279	48.1	355
Nursing aides, orderlies, and attendants	1 375	1 718	1.0	1.0	343	24.9	523
Psychiatric aides	59	68	0.0	0.0	9	14.5	16
Occupational and physical therapist assistants and aides	114	164	0.1	0.1	50	44.2	68
Occupational therapist assistants and aides	27	38	0.0	0.0	11	40.2	14
Occupational therapist assistants	18	26	0.0	0.0	7	39.2	10
Occupational therapist aides	8	12	0.0	0.0	4	42.6	5
Physical therapist assistants and aides	87	127	0.1	0.1	40	45.4	54
Physical therapist assistants	50	73	0.0	0.0	22	44.6	31
Physical therapist aides	37	54	0.0	0.0	17	46.4	23
Other healthcare support occupations	1 182	1 644	0.8	1.0	462	39.1	706
Massage therapists	92	117	0.1	0.1	25	27.1	43
Miscellaneous healthcare support occupations	1 090	1 527	0.8	0.9	437	40.1	664
Dental assistants	266	379	0.2	0.2	113	42.5	187
Medical assistants	365	579	0.3	0.4	215	58.9	282
Medical equipment preparers	36	43	0.0	0.0	7	18.1	13
Medical transcriptionists	101	124	0.1	0.1	23	22.6	41
Pharmacy aides	60	71	0.0	0.0	11	17.6	22
Veterinary assistants and laboratory animal caretakers	63	79	0.0	0.0	16	26.2	28
All other healthcare support workers	198	251	0.1	0.2	53	26.6	89

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.²Information about the detailed residual occupation for this broad occupation is not included.³This occupation contains two or more detailed SOC occupations.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Protective service occupations	3 116	3 885	2.2	2.4	769	24.7	1 649
First-line supervisors/managers, protective service workers	266	315	0.2	0.2	49	18.3	136
First-line supervisors/managers, law enforcement workers	147	171	0.1	0.1	24	16.1	71
First-line supervisors/managers of correctional officers	33	40	0.0	0.0	6	19.0	16
First-line supervisors/managers of police and detectives	114	131	0.1	0.1	17	15.3	55
First-line supervisors/managers of fire fighting and prevention workers	63	74	0.0	0.0	12	18.7	37
All other first-line supervisors/managers, protective service workers	56	70	0.0	0.0	13	23.9	28
Fire fighting and prevention workers	296	356	0.2	0.2	60	20.3	146
Fire fighters	282	340	0.2	0.2	58	20.7	140
Fire inspectors	14	16	0.0	0.0	2	11.6	6
Law enforcement workers	1 179	1 460	0.8	0.9	281	23.9	563
Bailiffs, correctional officers, and jailers	442	547	0.3	0.3	105	23.7	197
Bailiffs	15	16	0.0	0.0	1	9.5	5
Correctional officers and jailers	427	531	0.3	0.3	103	24.2	192
Detectives and criminal investigators	94	115	0.1	0.1	21	22.4	46
Fish and game wardens	8	8	0.0	0.0	1	7.1	2
Parking enforcement workers	11	12	0.0	0.0	1	11.5	3
Police officers	625	779	0.4	0.5	154	24.6	315
Police and sheriff's patrol officers	619	772	0.4	0.5	153	24.7	313
Transit and railroad police	6	7	0.0	0.0	1	15.9	2
Other protective service workers	1 374	1 753	1.0	1.1	379	27.6	804
Animal control workers	11	12	0.0	0.0	1	12.6	9
Private detectives and investigators	48	60	0.0	0.0	12	25.3	22
Security guards and gaming surveillance officers	1 004	1 324	0.7	0.8	319	31.8	538
Gaming surveillance officers and gaming investigators	9	11	0.0	0.0	2	24.6	4
Security guards	995	1 313	0.7	0.8	317	31.9	534
Crossing guards	74	86	0.1	0.1	12	16.5	36
All other protective service workers ³	237	271	0.2	0.2	34	14.3	199
Food preparation and serving related occupations	10 200	11 807	7.1	7.1	1 607	15.8	5 659
Supervisors, food preparation and serving workers	824	952	0.6	0.6	128	15.6	332
Chefs and head cooks	132	153	0.1	0.1	21	15.8	60
First-line supervisors/managers of food preparation and serving workers	692	800	0.5	0.5	107	15.5	272
Cooks and food preparation workers ²	2 836	3 182	2.0	1.9	346	12.2	1 262
Cooks ²	1 986	2 160	1.4	1.3	174	8.8	789
Cooks, fast food	588	617	0.4	0.4	29	4.9	211
Cooks, institution and cafeteria	436	445	0.3	0.3	9	2.1	144
Cooks, private household	8	8	0.0	0.0	0	-5.4	3
Cooks, restaurant	727	843	0.5	0.5	116	15.9	341
Cooks, short order	227	247	0.2	0.1	20	9.0	91
Food preparation workers	850	1 022	0.6	0.6	172	20.2	473
Food and beverage serving workers	5 211	6 171	3.6	3.7	960	18.4	3 454
Bartenders	463	503	0.3	0.3	40	8.6	223
Fast food and counter workers	2 457	2 989	1.7	1.8	532	21.7	1 699
Combined food preparation and serving workers, including fast food	1 990	2 444	1.4	1.5	454	22.8	1 317
Counter attendants, cafeteria, food concession, and coffee shop	467	545	0.3	0.3	78	16.7	383
Waiters and waitresses	2 097	2 464	1.5	1.5	367	17.5	1 446
Food servers, nonrestaurant	195	215	0.1	0.1	20	10.4	85
Other food preparation and serving related workers ²	1 328	1 502	0.9	0.9	173	13.0	611
Dining room and cafeteria attendants and bartender helpers	409	470	0.3	0.3	61	14.9	198
Dishwashers	505	551	0.4	0.3	46	9.0	216
Hosts and hostesses, restaurant, lounge, and coffee shop	298	347	0.2	0.2	49	16.4	143
All other food preparation and serving related workers ³	117	134	0.1	0.1	18	15.2	54
Building and grounds cleaning and maintenance occupations	5 485	6 386	3.8	3.9	901	16.4	2 000
Supervisors, building and grounds cleaning and maintenance workers	380	449	0.3	0.3	70	18.4	138
First-line supervisors/managers of housekeeping and janitorial workers	230	267	0.2	0.2	37	16.2	92
First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	150	182	0.1	0.1	32	21.6	46
Building cleaning and pest control workers	3 820	4 381	2.7	2.7	561	14.7	1 314
Building cleaning workers ²	3 759	4 309	2.6	2.6	550	14.6	1 294
Janitors and cleaners, except maids and housekeeping cleaners	2 267	2 681	1.6	1.6	414	18.3	844
Maids and housekeeping cleaners	1 492	1 629	1.0	1.0	137	9.2	450
Pest control workers	62	72	0.0	0.0	10	17.0	20
Grounds maintenance workers ²	1 285	1 555	0.9	0.9	270	21.0	548
Grounds maintenance workers	1 160	1 410	0.8	0.9	250	21.5	503
Landscaping and groundskeeping workers	1 074	1 311	0.7	0.8	237	22.0	470
Pesticide handlers, sprayers, and applicators, vegetation	27	30	0.0	0.0	3	9.7	9
Tree trimmers and pruners	59	69	0.0	0.0	11	18.6	24
All other building and grounds cleaning and maintenance workers ³	125	145	0.1	0.1	20	16.1	46
Personal care and service occupations	4 458	5 375	3.1	3.3	917	20.6	1 985
Supervisors, personal care and service workers	276	305	0.2	0.2	29	10.7	96
First-line supervisors/managers of gaming workers	60	69	0.0	0.0	9	15.4	22
Gaming supervisors	39	45	0.0	0.0	6	15.7	14
Slot key persons	21	24	0.0	0.0	3	14.8	8
First-line supervisors/managers of personal service workers	216	236	0.1	0.1	20	9.4	74
Animal care and service workers	151	183	0.1	0.1	32	20.8	68
Animal trainers	26	30	0.0	0.0	4	14.3	9
Nonfarm animal caretakers	125	153	0.1	0.1	28	22.2	59

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

²Information about the detailed residual occupation for this broad occupation is not included.

³This occupation contains two or more detailed SOC occupations.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Entertainment attendants and related workers	507	626	0.4	0.4	119	23.6	300
Gaming services workers ²	92	115	0.1	0.1	23	24.7	52
Gaming dealers	78	97	0.1	0.1	19	24.7	44
Gaming and sports book writers and runners	14	18	0.0	0.0	3	24.4	8
Motion picture projectionists	9	9	0.0	0.0	0	0.4	5
Ushers, lobby attendants, and ticket takers	105	121	0.1	0.1	16	15.5	76
Miscellaneous entertainment attendants and related workers ²	261	333	0.2	0.2	72	27.6	147
Amusement and recreation attendants	234	299	0.2	0.2	65	27.8	132
Costume attendants	4	5	0.0	0.0	1	25.1	1
Locker room, coatroom, and dressing room attendants	23	29	0.0	0.0	6	26.5	2
All other gaming service workers ⁴	40	49	0.0	0.0	9	21.3	21
Funeral service workers	33	38	0.0	0.0	5	16.7	12
Embalmers	7	7	0.0	0.0	1	8.3	2
Funeral attendants	26	31	0.0	0.0	5	18.9	10
Personal appearance workers	754	865	0.5	0.5	111	14.7	262
Barbers and cosmetologists	651	741	0.5	0.4	90	13.8	221
Barbers	66	70	0.0	0.0	4	6.5	23
Hairdressers, hairstylists, and cosmetologists	585	671	0.4	0.4	86	14.7	199
Miscellaneous personal appearance workers	103	124	0.1	0.1	21	20.3	41
Makeup artists, theatrical and performance	2	2	0.0	0.0	0	18.2	1
Manicurists and pedicurists	51	63	0.0	0.0	12	22.7	21
Shampooers	25	29	0.0	0.0	4	16.6	9
Skin care specialists	25	30	0.0	0.0	5	19.4	10
Transportation, tourism, and lodging attendants	248	284	0.2	0.2	36	14.7	84
Baggage porters, bellhops, and concierges	75	86	0.1	0.1	11	14.6	31
Baggage porters and bellhops	58	67	0.0	0.0	8	14.4	24
Concierges	17	20	0.0	0.0	3	15.3	7
Tour and travel guides	43	47	0.0	0.0	4	9.3	15
Tour guides and escorts	36	40	0.0	0.0	4	11.0	14
Travel guides	6	6	0.0	0.0	0	-0.3	2
Transportation attendants	130	152	0.1	0.1	22	16.5	38
Flight attendants	104	121	0.1	0.1	17	15.9	30
Transportation attendants, except flight attendants and baggage porters	26	31	0.0	0.0	5	18.9	8
Other personal care and service workers	2 490	3 073	1.7	1.9	583	23.4	1 161
Child care workers	1 211	1 353	0.8	0.8	142	11.7	471
Personal and home care aides	608	854	0.4	0.5	246	40.5	343
Recreation and fitness workers	485	628	0.3	0.4	143	29.5	254
Fitness trainers and aerobics instructors	183	264	0.1	0.2	81	44.5	123
Recreation workers	302	364	0.2	0.2	62	20.5	131
Residential advisors	53	71	0.0	0.0	18	33.6	29
Personal care and service workers, all other	134	168	0.1	0.1	35	25.9	63
Sales and related occupations	15 260	17 231	10.6	10.4	1 971	12.9	6 904
Supervisors, sales workers	2 395	2 599	1.7	1.6	204	8.5	640
First-line supervisors/managers of retail sales workers	1 798	1 962	1.2	1.2	163	9.1	486
First-line supervisors/managers of non-retail sales workers	597	637	0.4	0.4	41	6.8	153
Retail sales workers	8 224	9 392	5.7	5.7	1 167	14.2	4 578
Cashiers	3 465	3 927	2.4	2.4	462	13.3	2 148
Cashiers, except gaming	3 432	3 886	2.4	2.4	454	13.2	2 124
Gaming change persons and booth cashiers	33	41	0.0	0.0	8	24.1	24
Counter and rental clerks and parts salespersons	683	793	0.5	0.5	109	16.0	352
Counter and rental clerks	436	550	0.3	0.3	114	26.3	281
Parts salespersons	248	243	0.2	0.1	-5	-2.0	71
Retail salespersons	4 076	4 672	2.8	2.8	596	14.6	2 077
Sales representatives, services ²	957	1 033	0.7	0.6	76	7.9	274
Advertising sales agents	157	178	0.1	0.1	21	13.4	52
Insurance sales agents	381	413	0.3	0.3	32	8.4	123
Securities, commodities, and financial services sales agents	300	339	0.2	0.2	39	13.0	73
Travel agents	118	102	0.1	0.1	-16	-13.8	27
Sales representatives, wholesale and manufacturing	1 857	2 213	1.3	1.3	356	19.2	844
Sales representatives, wholesale and manufacturing, technical and scientific products	398	475	0.3	0.3	77	19.3	182
Sales representatives, wholesale and manufacturing, except technical and scientific products	1 459	1 738	1.0	1.1	279	19.1	662
Other sales and related workers	1 827	1 994	1.3	1.2	167	9.2	568
Models, demonstrators, and product promoters	179	210	0.1	0.1	30	16.9	70
Demonstrators and product promoters	175	204	0.1	0.1	30	17.0	68
Models	5	5	0.0	0.0	1	14.5	2
Real estate brokers and sales agents	407	427	0.3	0.3	20	4.9	101
Real estate brokers	99	101	0.1	0.1	2	2.4	22
Real estate sales agents	308	325	0.2	0.2	18	5.7	79
Sales engineers	82	98	0.1	0.1	16	19.9	41
Telemarketers	428	406	0.3	0.2	-21	-4.9	70
Door-to-door sales workers, news and street vendors, and related workers	155	137	0.1	0.1	-18	-11.8	37
All other sales and related workers ³	577	717	0.4	0.4	140	24.3	250
Office and administrative support occupations	23 851	25 464	16.6	15.4	1 613	6.8	7 499
Supervisors, office and administrative support workers	1 459	1 555	1.0	0.9	96	6.6	409
First-line supervisors/managers of office and administrative support workers	1 459	1 555	1.0	0.9	96	6.6	409
Communications equipment operators	304	272	0.2	0.2	-32	-10.5	78
Switchboard operators, including answering service	236	236	0.2	0.1	1	0.3	61
Telephone operators	50	22	0.0	0.0	-28	-56.3	13

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

²Information about the detailed residual occupation for this broad occupation is not included.

³This occupation contains two or more detailed SOC occupations.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
All other communications equipment operators	19	14	0.0	0.0	-5	-24.6	4
Financial clerks	3 726	3 987	2.6	2.4	261	7.0	1 143
Bill and account collectors	413	514	0.3	0.3	101	24.5	179
Billing and posting clerks and machine operators	507	547	0.4	0.3	40	7.9	126
Bookkeeping, accounting, and auditing clerks	1 983	2 042	1.4	1.2	59	3.0	431
Gaming cage workers	18	21	0.0	0.0	3	14.5	12
Payroll and timekeeping clerks	198	211	0.1	0.1	13	6.5	65
Procurement clerks	77	72	0.1	0.0	-5	-6.7	20
Tellers	530	580	0.4	0.4	50	9.4	311
Information and record clerks ²	5 394	6 310	3.7	3.8	916	17.0	2 134
Brokerage clerks	78	67	0.1	0.0	-11	-14.7	10
Correspondence clerks	33	33	0.0	0.0	0	-1.4	10
Court, municipal, and license clerks	106	119	0.1	0.1	13	12.3	36
Credit authorizers, checkers, and clerks	80	74	0.1	0.0	-5	-6.7	15
Customer service representatives	1 894	2 354	1.3	1.4	460	24.3	741
Eligibility interviewers, government programs	94	83	0.1	0.1	-11	-11.6	25
File clerks	265	264	0.2	0.2	-1	-0.3	78
Hotel, motel, and resort desk clerks	178	220	0.1	0.1	42	23.9	122
Interviewers, except eligibility and loan	193	247	0.1	0.1	54	28.0	104
Library assistants, clerical	120	146	0.1	0.1	26	21.5	75
Loan interviewers and clerks	170	146	0.1	0.1	-24	-14.3	23
New accounts clerks	99	110	0.1	0.1	11	11.2	36
Order clerks	330	311	0.2	0.2	-19	-5.7	74
Human resources assistants, except payroll and timekeeping	174	207	0.1	0.1	33	19.3	71
Receptionists and information clerks	1 100	1 425	0.8	0.9	325	29.5	595
Reservation and transportation ticket agents and travel clerks	177	199	0.1	0.1	22	12.2	68
All other financial, information, and record clerks ⁴	304	306	0.2	0.2	2	0.5	49
Material recording, scheduling, dispatching, and distributing occupations	4 005	4 025	2.8	2.4	20	0.5	1 306
Cargo and freight agents	59	68	0.0	0.0	9	15.5	22
Couriers and Messengers	132	138	0.1	0.1	5	4.0	36
Dispatchers	262	298	0.2	0.2	36	13.8	92
Police, fire, and ambulance dispatchers	92	104	0.1	0.1	12	12.7	32
Dispatchers, except police, fire, and ambulance	170	194	0.1	0.1	24	14.4	61
Meter readers, utilities	54	46	0.0	0.0	-8	-14.1	17
Postal service workers	664	636	0.5	0.4	-28	-4.3	192
Postal service clerks	77	77	0.1	0.0	0	-0.5	20
Postal service mail carriers	334	333	0.2	0.2	-2	-0.5	105
Postal service mail sorters, processors, and processing machine operators	253	226	0.2	0.1	-26	-10.5	67
Production, planning, and expediting clerks	288	328	0.2	0.2	40	14.1	110
Shipping, receiving, and traffic clerks	803	827	0.6	0.5	24	3.0	189
Stock clerks and order fillers	1 628	1 560	1.1	0.9	-68	-4.2	602
Weighers, measurers, checkers, and samplers, recordkeeping	81	93	0.1	0.1	12	14.6	32
All other material recording, scheduling, dispatching, and distributing workers ⁴	34	32	0.0	0.0	-2	-6.9	13
Secretaries and administrative assistants	4 104	4 288	2.8	2.6	184	4.5	1 026
Executive secretaries and administrative assistants	1 526	1 658	1.1	1.0	132	8.7	424
Legal secretaries	264	313	0.2	0.2	50	18.8	100
Medical secretaries	339	398	0.2	0.2	58	17.2	123
Secretaries, except legal, medical, and executive	1 975	1 918	1.4	1.2	-57	-2.9	378
Other office and administrative support workers	4 858	5 027	3.4	3.0	169	3.5	1 404
Computer operators	182	151	0.1	0.1	-30	-16.7	39
Data entry and information processing workers ²	633	519	0.4	0.3	-114	-18.1	146
Data entry keyers	392	371	0.3	0.2	-21	-5.4	93
Word processors and typists	241	148	0.2	0.1	-93	-38.6	53
Desktop publishers	35	45	0.0	0.0	10	29.2	18
Insurance claims and policy processing clerks	266	276	0.2	0.2	10	3.6	53
Mail clerks and mail machine operators, except postal service	170	165	0.1	0.1	-5	-2.9	51
Office clerks, general	2 991	3 301	2.1	2.0	310	10.4	972
Office machine operators, except computer	96	91	0.1	0.1	-4	-4.6	24
Proofreaders and copy markers	27	26	0.0	0.0	-1	-4.8	6
Statistical assistants	23	22	0.0	0.0	-2	-7.2	4
All other secretaries, administrative assistants, and other office workers	435	431	0.3	0.3	-4	-0.9	92
Farming, fishing, and forestry occupations	1 072	1 107	0.7	0.7	35	3.3	335
Supervisors, farming, fishing, and forestry workers	52	58	0.0	0.0	6	11.4	18
Agricultural workers	804	840	0.6	0.5	36	4.5	261
Agricultural inspectors	16	17	0.0	0.0	1	6.7	5
Animal breeders	9	10	0.0	0.0	1	6.1	2
Graders and sorters, agricultural products	49	52	0.0	0.0	3	6.7	16
Miscellaneous agricultural workers ²	731	762	0.5	0.5	31	4.3	238
Agricultural equipment operators	61	65	0.0	0.0	4	7.3	22
Farmworkers and laborers, crop, nursery, and greenhouse	617	641	0.4	0.4	24	4.0	199
Farmworkers, farm and ranch animals	53	56	0.0	0.0	2	4.4	17
Fishing and hunting workers	38	28	0.0	0.0	-10	-25.5	11
Fishers and related fishing workers	36	27	0.0	0.0	-10	-26.8	10
Hunters and trappers	1	2	0.0	0.0	0	6.5	1
Forest, conservation, and logging workers	81	80	0.1	0.0	-2	-1.9	16
Forest and conservation workers	14	15	0.0	0.0	1	4.5	4
Logging workers ²	67	65	0.0	0.0	-2	-3.2	12
Fallers	14	14	0.0	0.0	0	-3.4	3
Logging equipment operators	43	41	0.0	0.0	-2	-3.7	8
Log graders and scalers	10	10	0.0	0.0	0	-1.2	2

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

²Information about the detailed residual occupation for this broad occupation is not included.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
All other farming, fishing, and forestry workers ³	96	101	0.1	0.1	4	4.5	28
Construction and extraction occupations	7 292	8 388	5.1	5.1	1 096	15.0	2 548
Supervisors, construction and extraction workers	633	722	0.4	0.4	89	14.1	197
First-line supervisors/managers of construction trades and extraction workers	633	722	0.4	0.4	89	14.1	197
Construction trades and related workers	5 596	6 452	3.9	3.9	857	15.3	1 887
Boilermakers	25	25	0.0	0.0	0	1.7	9
Brickmasons, blockmasons, and stonemasons	165	188	0.1	0.1	23	14.2	48
Brickmasons and blockmasons	148	169	0.1	0.1	21	14.2	43
Stonemasons	17	19	0.0	0.0	2	14.1	5
Carpenters	1 209	1 331	0.8	0.8	122	10.1	319
Carpet, floor, and tile installers and finishers	164	191	0.1	0.1	27	16.8	53
Carpet installers	82	96	0.1	0.1	14	16.8	27
Floor layers, except carpet, wood, and hard tiles	31	35	0.0	0.0	4	13.4	9
Floor sanders and finishers	17	18	0.0	0.0	1	4.2	3
Tile and marble setters	33	42	0.0	0.0	9	26.5	14
Cement masons, concrete finishers, and terrazzo workers	188	236	0.1	0.1	48	25.7	86
Cement masons and concrete finishers	182	229	0.1	0.1	47	26.1	84
Terrazzo workers and finishers	6	7	0.0	0.0	1	15.2	2
Construction laborers	938	1 070	0.7	0.6	133	14.2	258
Construction equipment operators	416	460	0.3	0.3	45	10.7	144
Paving, surfacing, and tamping equipment operators	58	65	0.0	0.0	7	12.6	16
Pile-driver operators	5	6	0.0	0.0	0	8.2	1
Operating engineers and other construction equipment operators	353	389	0.2	0.2	37	10.4	127
Drywall installers, ceiling tile installers, and tapers	176	214	0.1	0.1	37	21.3	76
Drywall and ceiling tile installers	135	164	0.1	0.1	29	21.4	58
Tapers	41	49	0.0	0.0	8	20.8	17
Electricians	659	814	0.5	0.5	154	23.4	285
Glaziers	49	57	0.0	0.0	8	17.2	19
Insulation workers	53	62	0.0	0.0	8	15.8	25
Painters and paperhangers	468	521	0.3	0.3	53	11.4	124
Painters, construction and maintenance	448	500	0.3	0.3	52	11.6	120
Paperhangers	20	21	0.0	0.0	1	5.9	4
Pipelayers, plumbers, pipefitters, and steamfitters	550	649	0.4	0.4	99	18.0	225
Pipelayers	58	65	0.0	0.0	7	11.8	20
Plumbers, pipefitters, and steamfitters	492	584	0.3	0.4	92	18.7	205
Plasterers and stucco masons	59	67	0.0	0.0	8	13.5	19
Reinforcing iron and rebar workers	29	33	0.0	0.0	5	16.7	10
Roofers	166	197	0.1	0.1	31	18.6	70
Sheet metal workers	205	246	0.1	0.1	41	19.8	90
Structural iron and steel workers	78	90	0.1	0.1	12	15.9	28
Helpers, construction trades	431	490	0.3	0.3	59	13.7	238
Helpers, construction trades	431	490	0.3	0.3	59	13.7	238
Helpers—Brickmasons, blockmasons, stonemasons, and tile and marble setters	59	61	0.0	0.0	1	2.2	26
Helpers—Carpenters	97	111	0.1	0.1	14	14.0	54
Helpers—Electricians	99	117	0.1	0.1	18	17.9	59
Helpers—Painters, paperhangers, plasterers, and stucco masons	31	36	0.0	0.0	5	15.9	18
Helpers—Pipelayers, plumbers, pipefitters, and steamfitters	79	88	0.1	0.1	9	10.9	42
Helpers—Roofers	21	25	0.0	0.0	4	19.3	13
All other helpers, construction trades	44	53	0.0	0.0	9	19.4	27
Other construction and related workers ²	354	408	0.2	0.2	54	15.2	123
Construction and building inspectors	84	95	0.1	0.1	12	13.8	30
Elevator installers and repairers	21	25	0.0	0.0	4	17.1	9
Fence erectors	27	31	0.0	0.0	4	13.4	8
Hazardous materials removal workers	38	54	0.0	0.0	16	43.1	26
Highway maintenance workers	154	170	0.1	0.1	16	10.4	38
Rail-track laying and maintenance equipment operators	11	9	0.0	0.0	-1	-11.5	2
Septic tank servicers and sewer pipe cleaners	18	22	0.0	0.0	4	21.2	9
Miscellaneous construction and related workers ²	2	3	0.0	0.0	0	16.5	1
Segmental pavers	2	3	0.0	0.0	0	16.5	1
All other construction trades and related workers ⁴	110	146	0.1	0.1	35	32.0	53
Extraction workers	167	169	0.1	0.1	2	1.2	51
Derrick, rotary drill, and service unit operators, oil, gas, and mining	41	41	0.0	0.0	0	0.5	12
Derrick operators, oil and gas	15	15	0.0	0.0	0	0.8	4
Rotary drill operators, oil and gas	14	14	0.0	0.0	0	1.5	4
Service unit operators, oil, gas, and mining	13	13	0.0	0.0	0	-0.8	4
Earth drillers, except oil and gas	23	25	0.0	0.0	2	7.7	7
Explosives workers, ordnance handling experts, and blasters	5	5	0.0	0.0	0	2.0	2
Mining machine operators	18	16	0.0	0.0	-2	-13.3	5
Continuous mining machine operators	8	7	0.0	0.0	-2	-18.5	2
Mine cutting and channeling machine operators	5	5	0.0	0.0	0	-7.1	1
All other mining machine operators	4	4	0.0	0.0	0	-10.8	1
Rock splitters, quarry	3	3	0.0	0.0	0	14.3	1
Roof bolters, mining	4	3	0.0	0.0	-1	-27.7	1
Roustabouts, oil and gas	32	34	0.0	0.0	2	6.4	11
Helpers—Extraction workers	29	30	0.0	0.0	1	3.9	9
Extraction workers, all other	12	12	0.0	0.0	0	-0.8	3
Installation, maintenance, and repair occupations	5 696	6 472	4.0	3.9	776	13.6	2 087
Supervisors of installation, maintenance, and repair workers	444	512	0.3	0.3	68	15.4	180
First-line supervisors/managers of mechanics, installers, and repairers	444	512	0.3	0.3	68	15.4	180
Electrical and electronic equipment mechanics, installers, and repairers	689	746	0.5	0.5	57	8.3	193
Computer, automated teller, and office machine repairers	156	180	0.1	0.1	24	15.1	43

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

²Information about the detailed residual occupation for this broad occupation is not included.

³This occupation contains two or more detailed SOC occupations.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Radio and telecommunications equipment installers and repairers	226	222	0.2	0.1	-4	-1.6	47
Radio mechanics	7	5	0.0	0.0	-2	-29.3	2
Telecommunications equipment installers and repairers, except line installers	219	217	0.2	0.1	-1	-0.6	45
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	284	317	0.2	0.2	33	11.5	95
Avionics technicians	23	24	0.0	0.0	1	3.4	6
Electric motor, power tool, and related repairers	31	33	0.0	0.0	2	5.3	9
Electrical and electronics installers and repairers, transportation equipment	18	19	0.0	0.0	1	7.1	6
Electrical and electronics repairers, commercial and industrial equipment	85	94	0.1	0.1	9	10.3	27
Electrical and electronics repairers, powerhouse, substation, and relay	21	21	0.0	0.0	0	-0.6	5
Electronic equipment installers and repairers, motor vehicles	18	21	0.0	0.0	3	14.8	7
Electronic home entertainment equipment installers and repairers	43	46	0.0	0.0	4	8.6	12
Security and fire alarm systems installers	46	60	0.0	0.0	14	30.2	23
All other electrical and electronic equipment mechanics, installers, and repairers ⁴	22	26	0.0	0.0	4	19.6	9
Vehicle and mobile equipment mechanics, installers, and repairers	1 817	2 043	1.3	1.2	226	12.4	695
Aircraft mechanics and service technicians	131	145	0.1	0.1	14	11.0	45
Automotive technicians and repairers	1 038	1 168	0.7	0.7	130	12.5	392
Automotive body and related repairers	198	225	0.1	0.1	26	13.2	67
Automotive glass installers and repairers	22	24	0.0	0.0	2	10.7	6
Automotive service technicians and mechanics	818	919	0.6	0.6	101	12.4	319
Bus and truck mechanics and diesel engine specialists	267	305	0.2	0.2	38	14.2	107
Heavy vehicle and mobile equipment service technicians and mechanics	176	191	0.1	0.1	15	8.8	54
Farm equipment mechanics	35	38	0.0	0.0	3	7.7	10
Mobile heavy equipment mechanics, except engines	126	138	0.1	0.1	12	9.6	39
Rail car repairers	15	15	0.0	0.0	1	4.5	4
Small engine mechanics	67	79	0.0	0.0	12	18.7	29
Motorboat mechanics	22	26	0.0	0.0	4	18.3	9
Motorcycle mechanics	15	18	0.0	0.0	3	18.7	7
Outdoor power equipment and other small engine mechanics	30	36	0.0	0.0	6	18.9	13
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	102	113	0.1	0.1	11	10.4	54
Bicycle repairers	7	8	0.0	0.0	1	18.8	4
Recreational vehicle service technicians	13	15	0.0	0.0	3	21.8	8
Tire repairers and changers	83	89	0.1	0.1	7	8.0	42
All other vehicle and mobile equipment mechanics, installers, and repairers ⁴	36	41	0.0	0.0	6	15.4	15
Other installation, maintenance, and repair occupations	2 746	3 171	1.9	1.9	424	15.5	1 019
Control and valve installers and repairers	49	55	0.0	0.0	7	14.1	19
Mechanical door repairers	11	13	0.0	0.0	2	21.8	5
Control and valve installers and repairers, except mechanical door	38	42	0.0	0.0	5	12.0	14
Heating, air conditioning, and refrigeration mechanics and installers	249	328	0.2	0.2	79	31.8	112
Home appliance repairers	42	44	0.0	0.0	2	5.5	12
Industrial machinery installation, repair, and maintenance workers	1 628	1 855	1.1	1.1	227	13.9	548
Industrial machinery mechanics	197	208	0.1	0.1	11	5.5	51
Maintenance and repair workers, general	1 266	1 472	0.9	0.9	207	16.3	450
Maintenance workers, machinery	92	97	0.1	0.1	5	5.9	26
Millwrights	69	73	0.0	0.0	4	5.3	21
Refractory materials repairers, except brickmasons	4	4	0.0	0.0	0	5.6	1
Line installers and repairers	268	301	0.2	0.2	33	12.3	111
Electrical power-line installers and repairers	101	103	0.1	0.1	2	1.6	34
Telecommunications line installers and repairers	167	199	0.1	0.1	31	18.8	77
Precision instrument and equipment repairers	64	69	0.0	0.0	6	8.6	24
Camera and photographic equipment repairers	7	6	0.0	0.0	0	-7.1	2
Medical equipment repairers	29	33	0.0	0.0	4	14.8	12
Musical instrument repairers and tuners	6	7	0.0	0.0	0	6.3	2
Watch repairers	5	5	0.0	0.0	0	3.5	2
All other precision instrument and equipment repairers	17	18	0.0	0.0	1	7.0	6
Miscellaneous installation, maintenance, and repair workers	447	518	0.3	0.3	71	15.8	193
Coin, vending, and amusement machine servicers and repairers	43	49	0.0	0.0	6	15.2	17
Commercial divers	4	5	0.0	0.0	0	10.6	1
Fabric menders, except garment	2	2	0.0	0.0	0	-2.2	1
Locksmiths and safe repairers	23	28	0.0	0.0	5	21.0	12
Manufactured building and mobile home installers	18	22	0.0	0.0	4	23.3	9
Riggers	14	16	0.0	0.0	2	14.3	5
Signal and track switch repairers	8	8	0.0	0.0	0	-3.1	3
Helpers—Installation, maintenance, and repair workers	150	181	0.1	0.1	30	20.3	81
Installation, maintenance, and repair workers, all other	185	207	0.1	0.1	23	12.2	65
Production occupations	11 258	11 612	7.8	7.0	354	3.1	3 361
Supervisors, production workers	733	803	0.5	0.5	70	9.5	224
First-line supervisors/managers of production and operating workers	733	803	0.5	0.5	70	9.5	224
Assemblers and fabricators	2 122	2 044	1.5	1.2	-77	-3.6	547
Aircraft structure, surfaces, rigging, and systems assemblers	27	24	0.0	0.0	-2	-9.4	7
Electrical, electronics, and electromechanical assemblers	377	316	0.3	0.2	-61	-16.3	89
Coil winders, tapers, and finishers	36	31	0.0	0.0	-5	-13.9	9
Electrical and electronic equipment assemblers	281	230	0.2	0.1	-51	-18.3	66
Electromechanical equipment assemblers	60	55	0.0	0.0	-5	-8.3	14
Engine and other machine assemblers	50	49	0.0	0.0	-1	-1.9	14
Structural metal fabricators and fitters	89	94	0.1	0.1	6	6.2	26
Miscellaneous assemblers and fabricators	1 579	1 561	1.1	0.9	-18	-1.1	410
Fiberglass laminators and fabricators	37	39	0.0	0.0	2	5.6	12

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Team assemblers	1 174	1 155	0.8	0.7	-19	-1.6	304
Timing device assemblers, adjusters, and calibrators	7	6	0.0	0.0	0	-3.0	2
All other assemblers and fabricators	361	360	0.3	0.2	-1	-0.2	93
Food processing occupations	757	836	0.5	0.5	79	10.5	254
Bakers	173	192	0.1	0.1	19	11.2	59
Butchers and other meat, poultry, and fish processing workers	414	459	0.3	0.3	45	10.9	139
Butchers and meat cutters	132	129	0.1	0.1	-3	-2.5	29
Meat, poultry, and fish cutters and trimmers	154	179	0.1	0.1	25	16.4	59
Slaughterers and meat packers	128	151	0.1	0.1	23	18.1	51
Miscellaneous food processing workers	127	137	0.1	0.1	9	7.2	41
Food and tobacco roasting, baking, and drying machine operators and tenders	19	20	0.0	0.0	1	4.2	6
Food batchmakers	74	79	0.1	0.0	5	7.2	23
Food cooking machine operators and tenders	34	37	0.0	0.0	3	8.8	11
All other food processing workers ⁴	42	48	0.0	0.0	6	13.4	15
Metal workers and plastic workers ²	2 367	2 544	1.6	1.5	177	7.5	754
Computer control programmers and operators	151	166	0.1	0.1	15	9.8	40
Computer-controlled machine tool operators, metal and plastic	132	144	0.1	0.1	12	9.3	34
Numerical tool and process control programmers	19	22	0.0	0.0	3	13.0	6
Forming machine setters, operators, and tenders, metal and plastic	188	198	0.1	0.1	11	5.6	60
Extruding and drawing machine setters, operators, and tenders, metal and plastic	98	105	0.1	0.1	7	7.1	40
Forging machine setters, operators, and tenders, metal and plastic	45	48	0.0	0.0	3	5.9	9
Rolling machine setters, operators, and tenders, metal and plastic	44	45	0.0	0.0	1	2.0	11
Machine tool cutting setters, operators, and tenders, metal and plastic	546	569	0.4	0.3	24	4.3	144
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	283	302	0.2	0.2	19	6.8	85
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	53	54	0.0	0.0	1	2.1	17
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	104	106	0.1	0.1	3	2.4	22
Lathe and turning machine tool setters, operators, and tenders, metal and plastic	75	75	0.1	0.0	1	0.8	15
Milling and planing machine setters, operators, and tenders, metal and plastic	31	31	0.0	0.0	0	0.8	6
Machinists	387	419	0.3	0.3	32	8.2	122
Metal furnace and kiln operators and tenders	31	30	0.0	0.0	0	-1.3	7
Metal-refining furnace operators and tenders	18	17	0.0	0.0	0	-0.8	4
Pourers and casters, metal	13	13	0.0	0.0	0	-2.0	3
Model makers and patternmakers, metal and plastic	15	16	0.0	0.0	1	9.8	6
Model makers, metal and plastic	9	10	0.0	0.0	1	14.6	4
Patternmakers, metal and plastic	6	7	0.0	0.0	0	3.6	2
Molders and molding machine setters, operators, and tenders, metal and plastic	174	189	0.1	0.1	14	8.2	58
Foundry mold and coremakers	23	24	0.0	0.0	1	3.6	7
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	151	165	0.1	0.1	14	8.9	51
Multiple machine tool setters, operators, and tenders, metal and plastic	99	107	0.1	0.1	8	8.3	35
Tool and die makers	109	110	0.1	0.1	0	0.4	25
Welding, soldering, and brazing workers	452	518	0.3	0.3	67	14.8	194
Welders, cutters, solderers, and brazers	391	457	0.3	0.3	66	17.0	177
Welding, soldering, and brazing machine setters, operators, and tenders	61	62	0.0	0.0	1	0.9	18
Miscellaneous metalworkers and plastic workers	215	221	0.1	0.1	6	2.6	62
Heat treating equipment setters, operators, and tenders, metal and plastic	29	29	0.0	0.0	0	-0.6	9
Lay-out workers, metal and plastic	13	15	0.0	0.0	2	15.6	4
Plating and coating machine setters, operators, and tenders, metal and plastic	44	42	0.0	0.0	-1	-2.6	10
Tool grinders, filers, and sharpeners	26	24	0.0	0.0	-2	-7.7	8
All other metal workers and plastic workers	104	111	0.1	0.1	7	6.6	31
Printing occupations	465	466	0.3	0.3	1	0.3	128
Bookbinders and bindery workers	98	93	0.1	0.1	-5	-4.7	26
Bindery workers	91	86	0.1	0.1	-5	-5.2	24
Bookbinders	7	7	0.0	0.0	0	1.3	2
Printers	346	350	0.2	0.2	4	1.2	95
Job printers	56	61	0.0	0.0	5	9.2	18
Prepress technicians and workers	91	81	0.1	0.0	-10	-11.2	21
Printing machine operators	199	208	0.1	0.1	9	4.6	55
All other printing workers ⁴	21	23	0.0	0.0	2	9.3	7
Textile, apparel, and furnishings occupations	1 085	932	0.8	0.6	-152	-14.1	240
Laundry and dry-cleaning workers	231	260	0.2	0.2	29	12.3	91
Pressers, textile, garment, and related materials	91	91	0.1	0.1	0	-0.2	14
Sewing machine operators	315	216	0.2	0.1	-99	-31.5	39
Shoe and leather workers	23	18	0.0	0.0	-4	-19.0	6
Shoe and leather workers and repairers	16	14	0.0	0.0	-3	-16.1	5
Shoe machine operators and tenders	7	5	0.0	0.0	-2	-26.1	1
Tailors, dressmakers, and sewers	90	77	0.1	0.0	-13	-14.0	16
Sewers, hand	36	29	0.0	0.0	-8	-21.2	6
Tailors, dressmakers, and custom sewers	53	48	0.0	0.0	-5	-9.1	9
Textile machine setters, operators, and tenders	179	124	0.1	0.1	-56	-31.0	33
Textile bleaching and dyeing machine operators and tenders	27	19	0.0	0.0	-8	-28.7	7
Textile cutting machine setters, operators, and tenders	34	26	0.0	0.0	-8	-22.6	8
Textile knitting and weaving machine setters, operators, and tenders	53	33	0.0	0.0	-20	-38.6	6
Textile winding, twisting, and drawing out machine setters, operators, tenders	66	46	0.0	0.0	-20	-30.3	12
Miscellaneous textile, apparel, and furnishings workers	156	147	0.1	0.1	-9	-5.9	41
Extruding and forming machine setters, operators, and tenders, synthetic and glass fibers	27	24	0.0	0.0	-4	-13.1	5

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.²Information about the detailed residual occupation for this broad occupation is not included.⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Fabric and apparel patternmakers	11	8	0.0	0.0	-3	-24.6	5
Upholsterers	56	51	0.0	0.0	-5	-8.7	14
All other textile, apparel, and furnishings workers	61	63	0.0	0.0	2	3.3	16
Woodworkers	374	393	0.3	0.2	19	5.1	115
Cabinetmakers and bench carpenters	147	160	0.1	0.1	14	9.4	50
Furniture finishers	39	41	0.0	0.0	1	3.3	9
Model makers and patternmakers, wood	9	10	0.0	0.0	1	11.1	3
Model makers, wood	4	5	0.0	0.0	0	10.3	2
Patternmakers, wood	4	5	0.0	0.0	0	11.8	2
Woodworking machine setters, operators, and tenders	151	153	0.1	0.1	3	1.8	44
Sawing machine setters, operators, and tenders, wood	56	56	0.0	0.0	0	-0.2	16
Woodworking machine setters, operators, and tenders, except sawing	95	98	0.1	0.1	3	3.0	28
All other woodworkers	29	29	0.0	0.0	0	1.7	9
Plant and system operators	346	353	0.2	0.2	7	2.0	120
Power plant operators, distributors, and dispatchers	51	51	0.0	0.0	0	-0.7	14
Nuclear power reactor operators	3	3	0.0	0.0	0	-3.2	1
Power distributors and dispatchers	12	12	0.0	0.0	0	-3.0	3
Power plant operators	35	36	0.0	0.0	0	0.3	10
Stationary engineers and boiler operators	55	56	0.0	0.0	0	0.3	10
Water and liquid waste treatment plant and system operators	99	115	0.1	0.1	16	16.0	50
Miscellaneous plant and system operators	141	132	0.1	0.1	-9	-6.2	46
Chemical plant and system operators	58	51	0.0	0.0	-7	-12.3	18
Gas plant operators	12	13	0.0	0.0	1	6.7	5
Petroleum pump system operators, refinery operators, and gaugers	39	35	0.0	0.0	-4	-11.0	12
All other plant and system operators	32	33	0.0	0.0	2	5.6	12
Other production occupations	3 010	3 240	2.1	2.0	230	7.7	977
Chemical processing machine setters, operators, and tenders	94	92	0.1	0.1	-2	-2.0	30
Chemical equipment operators and tenders	58	56	0.0	0.0	-2	-3.8	19
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	36	36	0.0	0.0	0	0.8	12
Crushing, grinding, polishing, mixing, and blending workers	196	192	0.1	0.1	-4	-2.1	55
Crushing, grinding, and polishing machine setters, operators, and tenders	45	44	0.0	0.0	-1	-2.8	12
Grinding and polishing workers, hand	45	49	0.0	0.0	4	9.0	16
Mixing and blending machine setters, operators, and tenders	106	99	0.1	0.1	-7	-6.5	28
Cutting workers	109	116	0.1	0.1	7	6.9	30
Cutters and trimmers, hand	31	33	0.0	0.0	2	7.6	9
Cutting and slicing machine setters, operators, and tenders	77	83	0.1	0.0	5	6.6	21
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	73	73	0.1	0.0	0	-0.1	19
Furnace, kiln, oven, drier, and kettle operators and tenders	31	29	0.0	0.0	-2	-4.9	7
Inspectors, testers, sorters, samplers, and weighers	515	539	0.4	0.3	24	4.7	141
Jewelers and precious stone and metal workers	40	42	0.0	0.0	2	4.5	10
Medical, dental, and ophthalmic laboratory technicians	94	101	0.1	0.1	7	7.4	27
Dental laboratory technicians	47	49	0.0	0.0	2	3.6	12
Medical appliance technicians	14	16	0.0	0.0	2	16.1	5
Ophthalmic laboratory technicians	33	36	0.0	0.0	3	9.2	10
Packaging and filling machine operators and tenders	387	468	0.3	0.3	82	21.1	159
Painting workers	187	211	0.1	0.1	24	13.0	73
Coating, painting, and spraying machine setters, operators, and tenders	103	112	0.1	0.1	10	9.4	36
Painters, transportation equipment	50	59	0.0	0.0	9	17.5	22
Painting, coating, and decorating workers	34	40	0.0	0.0	6	17.6	15
Photographic process workers and processing machine operators	82	89	0.1	0.1	6	7.9	27
Photographic process workers	28	30	0.0	0.0	2	5.4	9
Photographic processing machine operators	54	59	0.0	0.0	5	9.2	18
Semiconductor processors	46	42	0.0	0.0	-5	-10.6	10
Miscellaneous production workers	1 155	1 245	0.8	0.8	90	7.8	388
Cementing and gluing machine operators and tenders	27	28	0.0	0.0	0	1.1	8
Cleaning, washing, and metal pickling equipment operators and tenders	18	19	0.0	0.0	1	6.9	7
Cooling and freezing equipment operators and tenders	7	8	0.0	0.0	1	7.1	3
Etchers and engravers	10	10	0.0	0.0	1	6.1	3
Molders, shapers, and casters, except metal and plastic	46	49	0.0	0.0	3	6.4	14
Paper goods machine setters, operators, and tenders	117	114	0.1	0.1	-3	-2.8	25
Tire builders	14	15	0.0	0.0	1	6.6	4
Helpers—Production workers	467	503	0.3	0.3	36	7.7	167
All other production workers	449	500	0.3	0.3	51	11.3	158
Transportation and material moving occupations	9 828	11 111	6.8	6.7	1 282	13.0	3 496
Supervisors, transportation and material moving workers	364	411	0.3	0.2	47	12.9	132
Aircraft cargo handling supervisors	9	10	0.0	0.0	1	15.6	3
First-line supervisors/managers of helpers, laborers, and material movers, hand	147	168	0.1	0.1	21	14.0	55
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	207	232	0.1	0.1	25	12.1	74
Air transportation occupations	144	168	0.1	0.1	24	17.0	62
Aircraft pilots and flight engineers	100	118	0.1	0.1	18	17.8	45
Airline pilots, copilots, and flight engineers	79	94	0.1	0.1	15	18.5	36
Commercial pilots	21	24	0.0	0.0	3	14.9	9
Air traffic controllers and airfield operations specialists	32	36	0.0	0.0	4	13.5	12
Air traffic controllers	26	29	0.0	0.0	3	12.6	10
Airfield operations specialists	6	7	0.0	0.0	1	17.2	3
All other air transportation workers ⁴	12	14	0.0	0.0	2	19.4	5

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

Table 4-6. Employment by Occupation, 2002 and Projected 2012—Continued

(Thousands of jobs, percent.)

Occupation	Employment				Change 2002–2012		Total job openings due to growth and replacement 2002–2012 ¹
	Number		Percent distribution		Number	Percent	
	2002	2012	2002	2012			
Motor vehicle operators	4 136	4 896	2.9	3.0	760	18.4	1 385
Ambulance drivers and attendants, except emergency medical technicians	17	22	0.0	0.0	5	26.7	6
Bus drivers	654	761	0.5	0.5	106	16.2	249
Bus drivers, transit and intercity	202	233	0.1	0.1	31	15.2	75
Bus drivers, school	453	528	0.3	0.3	76	16.7	174
Driver/sales workers and truck drivers	3 221	3 813	2.2	2.3	592	18.4	1 045
Driver/sales workers	431	450	0.3	0.3	19	4.3	89
Truck drivers, heavy and tractor-trailer	1 767	2 104	1.2	1.3	337	19.0	625
Truck drivers, light or delivery services	1 022	1 259	0.7	0.8	237	23.2	331
Taxi drivers and chauffeurs	132	161	0.1	0.1	29	21.7	41
All other motor vehicle operators	111	139	0.1	0.1	28	25.2	44
Rail transportation occupations	101	96	0.1	0.1	-5	-5.3	28
Locomotive engineers and operators	33	31	0.0	0.0	-2	-7.2	10
Railroad brake, signal, and switch operators	15	12	0.0	0.0	-3	-22.8	2
Railroad conductors and yardmasters	38	36	0.0	0.0	-2	-4.2	10
Subway, streetcar operators and all other rail transportation workers ³	15	17	0.0	0.0	2	13.2	7
Water transportation occupations	68	70	0.0	0.0	2	3.4	25
Sailors and marine oilers	27	28	0.0	0.0	1	4.0	11
Ship and boat captains and operators	29	30	0.0	0.0	1	2.4	9
Captains, mates, and pilots of water vessels	25	26	0.0	0.0	1	2.4	8
Motorboat operators	4	4	0.0	0.0	0	2.7	1
Ship engineers	8	9	0.0	0.0	0	4.5	4
All other water transportation workers	4	4	0.0	0.0	0	5.6	1
Other transportation workers	294	326	0.2	0.2	32	11.0	135
Bridge and lock tenders	4	3	0.0	0.0	-1	-17.4	1
Parking lot attendants	107	128	0.1	0.1	21	19.2	52
Service station attendants	107	111	0.1	0.1	4	3.3	52
Traffic technicians	6	6	0.0	0.0	1	9.3	2
Transportation inspectors	29	32	0.0	0.0	2	7.7	9
All other related transportation workers ⁴	40	47	0.0	0.0	6	15.1	18
Material moving occupations	4 722	5 144	3.3	3.1	422	8.9	1 729
Conveyor operators and tenders	58	65	0.0	0.0	7	-14.1	24
Crane and tower operators	50	55	0.0	0.0	5	13.0	16
Dredge, excavating, and loading machine operators	87	94	0.1	0.1	7	11.1	31
Dredge operators	3	3	0.0	0.0	0	8.4	1
Excavating and loading machine and dragline operators	80	87	0.1	0.1	7	8.7	29
Loading machine operators, underground mining	4	3	0.0	0.0	-1	-14.1	1
Hoist and winch operators	9	10	0.0	0.0	1	13.0	4
Industrial truck and tractor operators	594	659	0.4	0.4	66	11.1	178
Laborers and material movers, hand	3 659	3 967	2.5	2.4	308	8.4	1 376
Cleaners of vehicles and equipment	344	374	0.2	0.2	30	8.7	150
Laborers and freight, stock, and material movers, hand	2 231	2 378	1.5	1.4	147	6.6	876
Machine feeders and offbearers	164	162	0.1	0.1	-2	-1.4	45
Packers and packagers, hand	920	1 052	0.6	0.6	132	14.4	305
Pumping station operators	32	30	0.0	0.0	-2	-6.0	7
Gas compressor and gas pumping station operators	7	7	0.0	0.0	0	1.0	2
Pump operators, except wellhead pumpers	13	13	0.0	0.0	-1	-5.0	3
Wellhead pumpers	11	10	0.0	0.0	-1	-11.7	3
Refuse and recyclable material collectors	134	158	0.1	0.1	24	17.6	58
Shuttle car operators	3	2	0.0	0.0	-1	-31.3	1
Tank car, truck, and ship loaders	17	17	0.0	0.0	0	-2.1	5
Material moving workers, all other	78	86	0.1	0.1	8	10.0	29

¹Total job openings represent the sum of employment increases and net replacements. If employment change is negative, job openings due to growth are zero and total job openings equal net replacements.

³This occupation contains two or more detailed SOC occupations.

⁴This occupation was created by the OES survey. There is no SIC equivalent.

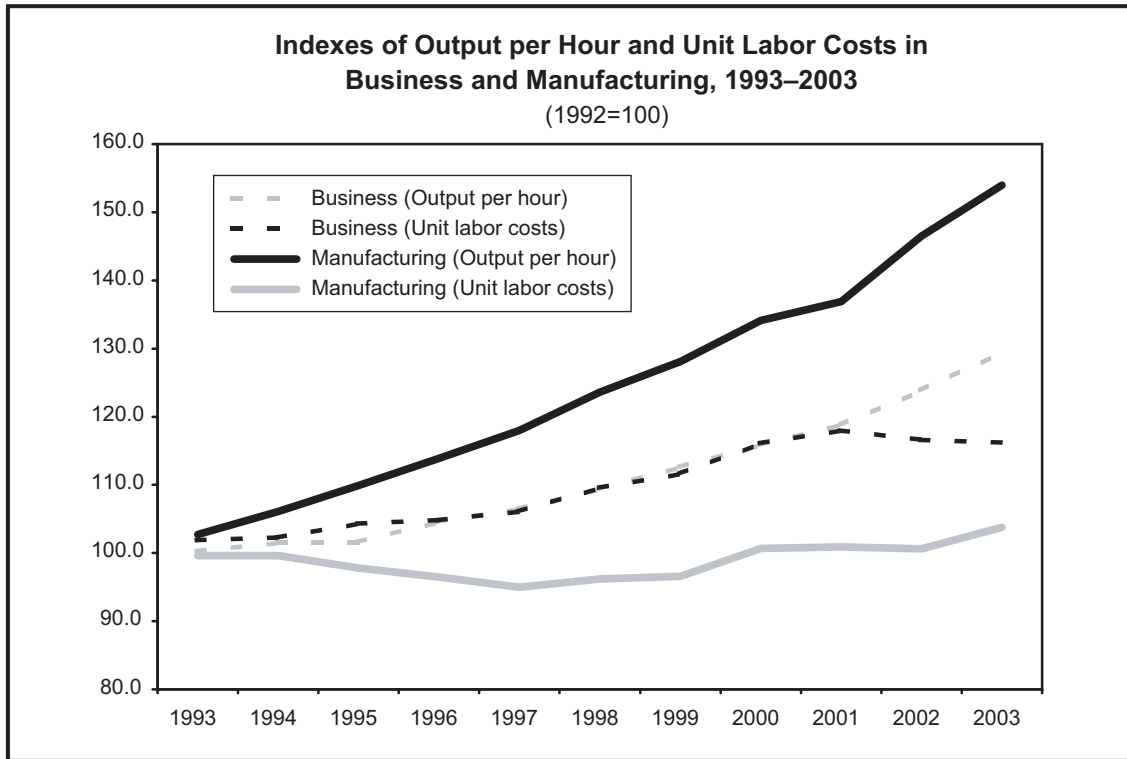
PART FIVE

PRODUCTIVITY AND COSTS

PRODUCTIVITY AND COSTS

HIGHLIGHTS

This chapter covers the two kinds of productivity measures produced by the BLS, output per hour, or labor productivity and multifactor productivity. Multifactor productivity is designed to ensure the joint influence on economic growth of technological change, efficiency improvements, returns to scale, and other factors. For some measures, there is a lag in available data. Industries are presented with the NAICS classification.



Output per hour continued to rise in 2003 in both the total business and manufacturing sectors with manufacturing rising somewhat faster, 5.1 percent compared with 4.5 percent. However, unit labor costs in manufacturing rose 3.2 percent after staying fairly steady the previous three years. Unit labor costs in the business sector continued to decline but more slowly than in 2002, -.3 percent compared with -1.2 percent. (Table 5-1)

OTHER HIGHLIGHTS:

- Output in the business sector rose 3.8 percent as hours dropped slightly, -.6 percent leading to the increase of 4.5 percent in output per hour. (Table 5-1)
- In the manufacturing sector, the increase in output per man-hour resulted from different trends than in business. Output was virtually unchanged but hours dropped 4.7 percent. (Table 5-1)
- In wholesale trade, labor productivity rose an average of 3.5 percent per year from 1987 to 2003. During the same time period, output increased 4.0 percent and employee hours increased 0.5 percent. Hours actually declined -1.3 percent from 2002 to 2003. (Table 5-3)
- From 2002 to 2003, labor productivity in wholesale trade grew the fastest in business-to-business electronic markets (29.1 percent), druggists' goods (11.5 percent) and Electric Goods (8.1 percent). (Table 5-3)
- Labor productivity also grew in the majority of retail trade industries in the past year. From 2002 to 2003, productivity rose the fastest in electronics and appliance stores and in electronic shopping and mail-order houses with increases of 25.3 and 15.8 respectively. (Table 5-3)
- All industries in food services and drinking places had productivity gains in 2003. Output per hour rose 3.3 percent in 2003, however, the average annual productivity increase from 1987 to 2003 was only 0.8 percent. (Table 5-3)

NOTES AND DEFINITIONS

Concepts and Definitions

Quarterly measures of output per hour for the business, nonfarm business, and manufacturing sectors describe the relationship between real output and the labor time involved in its production. The output measures for the business sectors and nonfinancial corporations are based on series prepared by the Bureau of Economic Analysis (BEA) of the U.S. Department of Commerce as part of the national income and product accounts (NIPA). The BLS derives manufacturing output indexes by combining data from the U.S. Census Bureau, the BEA, and the Federal Reserve Board. All of the output measures are chain-type annual-weighted indexes. This means that the relative prices (weights) used to combine output changes into an aggregate output measure are changed each year, minimizing the bias that arises from using fixed weights over long periods of time.

Business sector output is constructed by excluding from gross domestic product (GDP) the following outputs: general government, nonprofit institutions, paid employees of private households, and the rental value of owner-occupied dwellings. Corresponding exclusions also are made in labor inputs. These activities are excluded because theoretical or practical difficulties make the computation of meaningful productivity measures based on them impossible. Business output accounted for about 77 percent of GDP in 1996 and nonfinancial corporations about 53 percent. Manufacturing indexes are constructed by deflating current-dollar industry value of production data with deflators from the BEA. These deflators are based on data from the BLS producer price program and other sources. To avoid duplication, intrasector transactions are removed when industry shipments are aggregated.

Productivity measures show the changes from period to period in the amount of goods and services produced per hour. Although these measures relate output to hours of persons engaged in a sector, they do not measure the specific contributions of labor, capital, or any other factor of production. Rather, they reflect the joint effects of many influences, including changes in technology; capital; economies of scale; utilization of capacity; the substitution of capital or intermediates for labor; the organization of production; managerial skill; and the characteristics and effort of the work force.

Measures of labor input are based mainly on the monthly BLS survey of nonagricultural establishments. From this are drawn measures of employment and average weekly hours paid for employees of these establishments. Weekly hours paid are adjusted to hours at work using information from the National Compensation Survey program for 2000 forward and the annual Hours at Work Survey for years prior to 2000. The BLS Hours at Work survey was terminated in 2000. Supplementary information for

farm workers, the self-employed, and unpaid family workers is obtained from the monthly survey of households, the Current Population Survey.

The *indexes of hourly compensation* are based mainly on the BLS hours data, discussed above, and employee compensation data from the NIPA. Compensation includes wages and salaries and supplemental payments such as contributions by employers to Social Security and private health and pension funds. The all persons' compensation data include estimates of proprietors' salaries and contributions for supplementary benefits. Real compensation per hour is derived by adjusting the compensation data to reflect changes in purchasing power using the CPI-U-RS.

The *indexes of unit labor costs* are computed by dividing compensation per hour by output per hour. *Nonlabor payments* are calculated by subtracting total compensation from current dollar output, and thus include profits, depreciation, interest, and indirect taxes.

The *implicit deflator* reflects changes in all of the costs of production and distribution (unit labor costs plus unit non-labor payments). To construct the implicit price deflator, the current-dollar measure of output in a sector is divided by the real output series.

Multifactor Productivity

Annual measures of output per unit of combined labor and capital input (multifactor productivity) and related measures are produced for the private business and private nonfarm business sectors. The *private business* and *private nonfarm business* sectors for which multifactor productivity indexes also are prepared exclude government enterprises, and thus differ from the business and nonfarm business sectors described above.

Multifactor productivity measures refer to the ratio of an output index to an index of combined labor and capital services inputs. *Multifactor productivity growth* reflects the amount of output growth that cannot be accounted for by the growth of weighted labor and capital inputs. The weights are associated cost shares; *labor's* share is the ratio of compensation to current-dollar output. *Capital's* share is equal to the ratio of capital cost to current-dollar output. As is the case with the output measures, the weights are updated annually.

Capital services measure the services derived from the stock of physical assets and software. Physical assets included are fixed business equipment, structures, inventories, and land. Structures include nonresidential structures and residential capital that is rented out by profit-making firms or persons. Software includes pre-packaged, custom and own-account software. Financial assets are excluded, as are owner-occupied residential structures. The aggregate capital measures are obtained by weighting the capital stocks for each asset type within each of 53 industries

using capital income shares based on estimated rental prices for each asset type. Data on investments in physical assets and gross product originating by industry, used in measuring the rental prices, are obtained from BEA.

Labor input in private business and private nonfarm business is obtained by weighting the hours worked by all persons, classified by education, work experience, and gender, by their shares of labor compensation. Additional information concerning data sources and methods of measuring labor composition can be found in BLS Bulletin 2426 (December 1993), "Labor Composition and U.S. Productivity Growth, 1948–90."

The *manufacturing multifactor productivity index* is derived by dividing an output index by a weighted index of combined hours, capital services, energy, materials and purchased business services. Weights (shares of total costs) are updated annually. The labor hours for the manufacturing measure are directly added and thus do not include the effect of changing labor composition, unlike those used for business multifactor productivity. The manufacturing sector coverage is the same in the multifactor and labor productivity series.

Output per Hour and Related Series in Selected Industries

The BLS industry productivity program produces annual indexes of labor productivity, labor compensation, and unit labor costs for selected 4-, 5- and 6-digit NAICS industries. These data series cover 60 percent of employment in the private, non-farm business sector, and 100 percent of manufacturing, retail trade, and wholesale trade. The data sources used in the industry measures differ from those used in the productivity and cost measures for the major sectors.

Output per hour and related indexes for manufacturing and nonmanufacturing industries are updated annually and published in a news release and on the BLS World Wide Web site at <http://stats.bls.gov>.

Output per hour indexes are obtained by dividing an output index by an index of aggregate hours. Although the measures relate output to one input—labor time—they do not measure the specific contribution of labor or any other factor of production. Rather, they reflect the joint effect of a number of interrelated influences, such as changes in technology, capital investment per worker, and capacity utilization. Caution is necessary when analyzing year-to-year changes in output per hour; the annual changes can be irregular and therefore not necessarily indicative of long-term trends. Conversely, long-term trends are not necessarily applicable to any one year or period in the future.

An *output index* for an industry is calculated with a Tornqvist index formula that aggregates the growth rates of the industry products between two periods with weights based on the products' shares in industry value of produc-

tion. The weight for each product equals its average value share in the two periods. The formula yields the ratio of output in a given period to that in the previous period. The ratios for successive years must be chained together to form a time series. The quantities of products used in the output index are measured either with deflated values of production or with actual quantities. For most industries, output indexes are developed in two stages. First, comprehensive data from the economic censuses conducted by the Census Bureau every five years are used to develop benchmark indexes for the census years. Second, less comprehensive data are used to prepare annual indexes. The latter indexes are adjusted to the benchmark indexes by means of linear interpolation. For the period following the last census year, annual indexes are linked to the most recent benchmark index.

Indexes of labor input are employee hours indexes or all person hours indexes. In manufacturing industries, employee hours are used. In nonmanufacturing industries where self-employed workers play a significant role, all person hours are used. For most industries, the hours series are based on hours paid. Total hours are calculated by multiplying the number of workers by average weekly hours. Employee hours are treated as homogenous and additive with no distinction made between hours of different groups. Annual indexes are developed by dividing the aggregate hours for each year by the base period aggregate.

Indexes of unit labor costs are calculated as the ratio of total labor compensation to real output, or equivalently, as the ratio of hourly compensation to labor productivity (output per hour). Unit labor costs measure the cost of labor input required to produce one unit of output.

Indexes of total compensation measure the change in the total costs to the employer of securing the services of labor. Compensation is defined as payroll plus supplemental payments. Payroll includes salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind. Supplemental payments are divided into legally required expenditures and payments for voluntary programs. The legally required expenditures include employers' contributions to Social Security, unemployment insurance taxes, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation, such as the employer portion of private health insurance and pension plans.

Sources of Additional Information

Productivity concepts and methodology are described in the BLS *Handbook of Methods*, BLS Bulletin 2490, April 1997. Additional information on productivity is found in BLS news release USDL 03-466 for output per hour, 03-158 for multifactor productivity, 03-490 for the new wholesale trade industry and Report 979 for new service industry measures.

Table 5-1. Indexes of Productivity and Related Data, 1947–2003

(1992 = 100.)

Year	Business											
	Output per hour	Output	Hours	Compensation per hour	Real compensation per hour	Unit labor costs	Unit nonlabor payments	Implicit price deflator	Employment	Output per person	Compensation in current dollars	Nonlabor payments in current dollars
1947	32.4	20.4	63.0	7.0	40.9	21.7	18.7	20.6	54.2	37.7	4.4	3.8
1948	33.9	21.5	63.5	7.6	41.0	22.5	20.7	21.8	54.9	39.2	4.8	4.5
1949	34.7	21.3	61.4	7.7	42.1	22.3	20.5	21.6	53.7	39.7	4.8	4.4
1950	37.5	23.4	62.3	8.3	44.5	22.1	21.6	21.9	54.3	43.0	5.2	5.0
1951	38.7	24.9	64.4	9.1	45.2	23.5	23.7	23.6	56.0	44.5	5.8	5.9
1952	39.7	25.7	64.6	9.6	47.0	24.2	23.2	23.8	56.3	45.6	6.2	6.0
1953	41.1	26.9	65.4	10.2	49.6	24.9	22.6	24.0	57.2	47.0	6.7	6.1
1954	42.0	26.6	63.2	10.6	50.8	25.1	22.6	24.2	55.8	47.6	6.7	6.0
1955	43.8	28.7	65.6	10.8	52.3	24.8	24.0	24.5	57.5	49.9	7.1	6.9
1956	43.8	29.1	66.6	11.5	55.0	26.4	23.5	25.3	58.7	49.6	7.7	6.8
1957	45.1	29.6	65.7	12.3	56.7	27.2	24.2	26.1	58.7	50.5	8.1	7.2
1958	46.4	29.1	62.7	12.8	57.5	27.7	24.8	26.6	56.4	51.5	8.1	7.2
1959	48.1	31.4	65.4	13.4	59.5	27.8	25.2	26.8	58.3	54.0	8.7	7.9
1960	48.9	32.0	65.5	13.9	60.9	28.4	24.9	27.1	58.6	54.7	9.1	8.0
1961	50.6	32.7	64.5	14.5	62.6	28.5	25.3	27.3	58.0	56.3	9.3	8.3
1962	52.9	34.8	65.7	15.1	64.7	28.5	26.1	27.6	58.8	59.1	9.9	9.1
1963	55.0	36.4	66.2	15.6	66.1	28.4	26.6	27.7	59.2	61.4	10.3	9.7
1964	56.8	38.7	68.1	16.2	67.7	28.5	27.3	28.1	60.4	64.1	11.0	10.6
1965	58.8	41.4	70.4	16.8	69.1	28.6	28.4	28.5	62.2	66.6	11.8	11.7
1966	61.2	44.2	72.3	17.9	71.7	29.3	29.0	29.2	64.2	68.9	13.0	12.8
1967	62.5	45.1	72.1	19.0	73.5	30.3	29.5	30.0	65.1	69.2	13.7	13.3
1968	64.6	47.3	73.2	20.5	76.3	31.7	30.4	31.2	66.5	71.2	15.0	14.4
1969	64.9	48.8	75.1	21.9	77.4	33.8	30.8	32.6	68.6	71.1	16.5	15.0
1970	66.2	48.7	73.6	23.6	78.8	35.6	31.4	34.1	68.4	71.2	17.4	15.3
1971	69.0	50.6	73.3	25.1	80.2	36.3	34.1	35.5	68.4	74.0	18.4	17.3
1972	71.2	53.9	75.6	26.7	82.6	37.4	35.7	36.8	70.5	76.4	20.2	19.2
1973	73.5	57.6	78.5	28.9	84.4	39.4	37.5	38.7	73.5	78.5	22.7	21.6
1974	72.3	56.8	78.6	31.7	83.3	43.9	40.0	42.4	74.7	76.1	24.9	22.7
1975	74.8	56.3	75.3	35.0	84.1	46.7	46.3	46.6	72.4	77.7	26.3	26.0
1976	77.2	60.0	77.7	38.0	86.4	49.2	48.7	49.0	74.7	80.3	29.5	29.2
1977	78.5	63.3	80.7	41.0	87.6	52.2	51.5	52.0	77.8	81.4	33.1	32.6
1978	79.3	67.3	84.8	44.6	89.1	56.2	54.8	55.6	82.1	82.0	37.8	36.9
1979	79.4	69.6	87.7	48.9	89.4	61.6	58.2	60.4	85.3	81.6	42.9	40.5
1980	79.2	68.8	86.9	54.2	89.2	68.4	61.3	65.8	85.5	80.5	47.1	42.2
1981	80.8	70.7	87.5	59.4	89.3	73.5	69.1	71.8	86.4	81.9	52.0	48.9
1982	80.2	68.6	85.5	63.6	90.4	79.3	70.2	75.9	84.9	80.8	54.4	48.2
1983	83.1	72.3	87.0	66.3	90.4	79.7	76.5	78.5	85.7	84.4	57.6	55.3
1984	85.3	78.6	92.1	69.1	90.7	81.0	80.4	80.8	90.0	87.2	63.7	63.1
1985	87.2	82.2	94.2	72.4	91.9	83.0	82.2	82.7	92.3	89.0	68.2	67.5
1986	89.9	85.3	94.9	76.2	94.9	84.8	82.8	84.1	93.9	90.8	72.3	70.6
1987	90.4	88.3	97.7	79.0	95.3	87.5	83.3	85.9	96.4	91.6	77.2	73.5
1988	91.7	92.1	100.3	83.1	96.6	90.6	85.4	88.6	99.3	92.7	83.4	78.6
1989	92.6	95.4	103.0	85.3	95.1	92.1	91.5	91.9	101.4	94.1	87.9	87.3
1990	94.5	96.9	102.5	90.6	96.2	95.9	93.9	95.1	102.1	94.9	92.9	91.0
1991	96.0	96.1	100.2	95.0	97.4	99.0	96.8	98.2	100.4	95.7	95.2	93.1
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	100.3	103.1	102.8	102.2	99.7	101.9	102.5	102.1	102.2	100.9	105.1	105.6
1994	101.5	108.2	106.7	103.8	99.2	102.3	106.6	103.9	105.6	102.5	110.8	115.3
1995	101.6	111.4	109.6	106.0	98.9	104.3	108.2	105.7	108.4	102.8	116.1	120.5
1996	104.6	116.5	111.4	109.6	99.6	104.8	111.8	107.4	110.8	105.1	122.1	130.2
1997	106.5	122.7	115.1	113.1	100.6	106.1	113.8	109.0	113.8	107.8	130.2	139.6
1998	109.4	128.6	117.6	119.9	105.1	109.6	109.8	109.7	116.4	110.5	140.9	141.3
1999	112.6	135.2	120.1	125.6	107.9	111.6	109.2	110.7	118.7	113.9	150.9	147.6
2000	115.9	140.5	121.3	134.5	111.8	116.1	107.2	112.7	120.8	116.3	163.1	150.6
2001	118.8	141.0	118.7	140.1	113.3	118.0	109.9	114.9	120.0	117.3	166.3	154.9
2002	123.9	143.5	115.8	144.5	115.0	116.6	114.9	116.0	117.4	122.2	167.4	164.9
2003	129.5	149.0	115.1	150.5	117.1	116.2	119.6	117.4	117.1	127.3	173.1	178.2

Table 5-1. Indexes of Productivity and Related Data, 1947–2003—Continued

(1992 = 100.)

Year	Nonfarm Business											
	Output per hour	Output	Hours	Compensation per hour	Real compensation per hour	Unit labor costs	Unit nonlabor payments	Implicit price deflator	Employment	Output per person	Compensation in current dollars	Nonlabor payments in current dollars
1947	37.0	20.1	54.2	7.5	43.3	20.2	17.8	19.3	47.3	42.4	4.0	3.6
1948	38.0	20.9	55.1	8.1	43.6	21.3	19.4	20.6	48.3	43.4	4.5	4.1
1949	39.3	20.8	53.0	8.3	45.4	21.2	20.0	20.8	46.9	44.4	4.4	4.2
1950	41.9	22.9	54.7	8.8	47.5	21.1	20.8	21.0	48.0	47.7	4.8	4.8
1951	43.0	24.6	57.3	9.6	47.8	22.3	22.4	22.4	50.3	49.0	5.5	5.5
1952	43.8	25.3	57.9	10.1	49.5	23.2	22.3	22.8	50.9	49.8	5.9	5.6
1953	44.7	26.6	59.4	10.7	51.9	23.9	22.2	23.3	52.4	50.7	6.4	5.9
1954	45.6	26.1	57.3	11.0	53.1	24.2	22.3	23.5	51.0	51.3	6.3	5.8
1955	47.5	28.3	59.7	11.4	55.3	24.1	23.6	23.9	52.5	53.9	6.8	6.7
1956	47.1	28.8	61.1	12.1	57.8	25.8	23.1	24.8	54.0	53.3	7.4	6.6
1957	48.3	29.4	60.8	12.8	59.2	26.6	23.8	25.6	54.3	54.1	7.8	7.0
1958	49.4	28.7	58.2	13.4	59.8	27.1	24.1	26.0	52.4	54.9	7.8	6.9
1959	51.2	31.2	60.9	13.9	61.8	27.1	24.9	26.3	54.3	57.5	8.5	7.8
1960	51.8	31.8	61.3	14.5	63.3	27.9	24.3	26.6	54.9	57.9	8.9	7.7
1961	53.4	32.4	60.6	15.0	64.8	28.0	24.8	26.8	54.4	59.5	9.1	8.0
1962	55.8	34.6	62.0	15.6	66.7	27.9	25.8	27.1	55.5	62.4	9.6	8.9
1963	57.8	36.2	62.7	16.1	68.1	27.8	26.3	27.3	56.1	64.6	10.1	9.5
1964	59.5	38.7	65.0	16.6	69.3	27.9	27.1	27.6	57.5	67.3	10.8	10.5
1965	61.3	41.4	67.5	17.1	70.5	27.9	28.0	28.0	59.5	69.5	11.6	11.6
1966	63.5	44.4	69.8	18.2	72.6	28.6	28.7	28.6	61.9	71.6	12.7	12.7
1967	64.6	45.1	69.8	19.2	74.5	29.7	29.2	29.5	63.0	71.6	13.4	13.2
1968	66.8	47.5	71.1	20.7	77.1	31.0	30.2	30.7	64.5	73.6	14.7	14.3
1969	66.9	48.9	73.1	22.1	78.1	33.1	30.4	32.1	66.8	73.2	16.2	14.9
1970	67.9	48.9	72.0	23.7	79.1	34.9	31.1	33.5	66.8	73.1	17.1	15.2
1971	70.6	50.7	71.8	25.2	80.7	35.7	33.7	35.0	66.9	75.8	18.1	17.1
1972	73.0	54.1	74.1	26.9	83.2	36.8	34.9	36.1	69.0	78.4	19.9	18.9
1973	75.3	58.0	77.1	29.1	84.8	38.6	35.3	37.4	72.1	80.6	22.4	20.5
1974	74.2	57.3	77.2	31.9	83.8	43.0	38.1	41.2	73.3	78.2	24.6	21.8
1975	76.2	56.3	73.9	35.1	84.5	46.1	44.8	45.6	71.1	79.2	25.9	25.2
1976	78.7	60.2	76.5	38.1	86.6	48.4	47.8	48.1	73.5	82.0	29.1	28.8
1977	79.9	63.6	79.6	41.2	88.0	51.5	50.7	51.2	76.7	82.9	32.7	32.2
1978	81.0	67.8	83.7	44.8	89.6	55.3	53.4	54.6	81.1	83.6	37.5	36.2
1979	80.7	70.0	86.6	49.1	89.7	60.8	56.5	59.2	84.4	82.9	42.5	39.5
1980	80.6	69.2	85.9	54.4	89.5	67.5	60.4	64.9	84.6	81.8	46.8	41.8
1981	81.7	70.7	86.5	59.7	89.9	73.1	67.8	71.1	85.5	82.7	51.7	47.9
1982	80.9	68.4	84.6	64.0	90.8	79.1	69.5	75.5	84.1	81.4	54.1	47.5
1983	84.6	72.9	86.2	66.6	90.9	78.8	76.2	77.9	84.8	85.9	57.4	55.6
1984	86.3	78.9	91.4	69.5	91.1	80.5	79.4	80.1	89.4	88.2	63.5	62.6
1985	87.6	82.2	93.8	72.6	92.2	82.9	81.7	82.5	91.9	89.4	68.1	67.2
1986	90.3	85.4	94.6	76.4	95.2	84.6	82.6	83.9	93.6	91.2	72.3	70.5
1987	90.7	88.4	97.5	79.2	95.4	87.3	83.0	85.7	96.2	91.9	77.2	73.3
1988	92.1	92.4	100.3	83.1	96.6	90.2	85.1	88.3	99.2	93.2	83.4	78.7
1989	92.8	95.7	103.1	85.2	95.0	91.9	90.9	91.5	101.5	94.3	87.9	87.0
1990	94.6	97.1	102.7	90.4	96.0	95.6	93.6	94.9	102.2	95.0	92.8	90.9
1991	96.1	96.3	100.2	95.0	97.4	98.8	97.0	98.1	100.4	95.9	95.1	93.4
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	100.4	103.4	103.0	102.0	99.5	101.6	102.9	102.1	102.4	100.9	105.1	106.4
1994	101.5	108.3	106.6	103.8	99.1	102.2	107.1	104.0	105.7	102.4	110.6	116.0
1995	102.0	111.8	109.5	105.9	98.8	103.8	109.2	105.8	108.5	103.0	116.0	122.1
1996	104.8	116.8	111.5	109.5	99.5	104.5	112.0	107.3	111.1	105.1	122.1	130.8
1997	106.5	122.8	115.4	112.9	100.4	106.0	114.5	109.1	114.2	107.5	130.2	140.6
1998	109.3	128.9	117.9	119.6	104.9	109.4	110.8	109.9	116.9	110.2	141.0	142.9
1999	112.3	135.6	120.7	125.1	107.5	111.4	110.7	111.1	119.4	113.5	151.0	150.1
2000	115.5	140.8	121.9	134.0	111.4	116.0	108.7	113.3	121.6	115.7	163.3	153.0
2001	118.3	141.3	119.4	139.3	112.7	117.7	111.5	115.4	120.9	116.9	166.4	157.6
2002	123.5	143.9	116.5	143.8	114.5	116.5	116.8	116.6	118.2	121.7	167.6	168.0
2003	129.0	149.4	115.8	149.7	116.5	116.1	121.1	117.9	118.0	126.6	173.4	180.9

Table 5-1. Indexes of Productivity and Related Data, 1947–2003—Continued

(1992 = 100.)

Year	Nonfinancial corporations												
	Output per hour	Output	Hours	Compensation per hour	Real compensation per hour	Unit labor costs	Unit nonlabor costs	Unit profits	Implicit price deflator	Employment	Output per person	Compensation in current dollars	Nonlabor payments in current dollars
1947	...	...	...	...	...	...	...	...	...	...	...	...	...
1948	...	...	...	...	...	...	...	...	...	...	...	...	...
1949	...	...	...	...	...	...	...	...	...	...	...	...	...
1950	...	...	...	...	...	...	...	...	...	...	...	...	...
1951	...	...	...	...	...	...	...	...	...	...	...	...	...
1952	...	...	...	...	...	...	...	...	...	...	...	...	...
1953	...	...	...	...	...	...	...	...	...	...	...	...	...
1954	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...
1956	...	...	...	...	...	...	...	...	...	...	...	...	...
1957	...	...	...	...	...	...	...	...	...	...	...	...	...
1958	53.6	25.7	48.0	15.0	67.2	28.0	23.2	46.5	28.5	43.6	59.0	7.2	7.6
1959	56.1	28.6	50.9	15.6	69.3	27.7	21.9	55.0	28.7	45.6	62.7	7.9	8.8
1960	57.0	29.5	51.8	16.2	70.8	28.4	23.0	49.5	28.9	46.6	63.3	8.4	8.9
1961	58.8	30.1	51.3	16.7	72.4	28.4	23.5	49.5	29.1	46.3	65.1	8.6	9.2
1962	61.3	32.7	53.3	17.4	74.4	28.3	23.1	53.7	29.3	47.9	68.3	9.3	10.2
1963	63.5	34.6	54.5	17.9	75.7	28.2	23.1	56.5	29.5	48.8	70.9	9.8	11.1
1964	64.5	37.0	57.5	18.2	76.2	28.3	22.9	58.8	29.7	50.7	73.1	10.5	12.1
1965	66.0	40.1	60.7	18.8	77.1	28.4	22.8	63.2	30.2	53.3	75.2	11.4	13.5
1966	67.1	42.9	63.9	19.8	79.2	29.5	23.0	62.7	30.9	56.3	76.2	12.7	14.4
1967	68.1	44.0	64.6	20.9	81.1	30.7	24.3	59.1	31.7	57.9	75.9	13.5	14.8
1968	70.5	46.8	66.4	22.5	83.7	31.9	25.9	59.1	32.9	60.0	78.0	14.9	16.3
1969	70.5	48.6	69.0	24.0	84.8	34.1	28.1	53.3	34.4	62.7	77.5	16.6	16.9
1970	70.8	48.1	67.9	25.7	85.9	36.3	31.7	43.7	35.9	62.8	76.6	17.5	16.8
1971	73.8	50.1	67.9	27.3	87.4	37.0	33.1	49.8	37.2	63.0	79.5	18.5	18.8
1972	75.2	53.8	71.6	28.8	89.2	38.3	33.4	53.3	38.4	66.1	81.4	20.6	20.9
1973	75.9	57.1	75.2	31.0	90.4	40.8	35.2	54.1	40.6	69.8	81.8	23.3	23.0
1974	74.3	56.1	75.5	33.9	89.2	45.7	40.5	47.7	44.6	71.1	78.9	25.6	23.8
1975	77.3	55.4	71.7	37.3	89.7	48.2	45.9	62.2	48.9	68.4	80.9	26.7	27.8
1976	79.7	59.8	75.0	40.3	91.8	50.6	45.7	70.4	51.2	71.5	83.6	30.2	31.3
1977	81.8	64.2	78.4	43.5	93.0	53.2	47.7	76.2	53.9	75.1	85.4	34.1	35.5
1978	82.8	68.3	82.5	47.6	95.1	57.5	50.5	78.0	57.6	79.4	86.1	39.2	39.5
1979	82.0	70.4	85.8	51.9	94.9	63.3	55.1	73.1	62.2	83.3	84.5	44.6	42.2
1980	81.3	69.2	85.2	57.2	94.1	70.4	64.5	66.5	68.6	83.6	82.8	48.7	45.0
1981	82.7	71.4	86.4	62.4	93.9	75.5	73.6	81.2	75.5	85.0	84.0	53.9	54.0
1982	83.1	69.9	84.1	66.5	94.4	79.9	81.3	75.1	79.8	83.1	84.1	55.9	55.7
1983	86.2	73.5	85.3	68.9	94.0	80.0	81.2	90.7	81.2	83.5	88.0	58.8	61.6
1984	88.4	80.3	90.8	71.9	94.3	81.3	80.7	106.7	83.4	88.4	90.8	65.3	70.4
1985	90.5	84.0	92.9	75.2	95.4	83.1	82.8	101.3	84.7	90.9	92.4	69.8	73.7
1986	92.4	86.1	93.2	78.9	98.3	85.4	85.3	89.2	85.7	92.2	93.3	73.5	74.4
1987	94.4	90.7	96.1	81.6	98.3	86.4	84.9	99.0	87.2	94.8	95.7	78.4	80.4
1988	96.5	95.7	99.1	84.9	98.7	87.9	86.1	110.6	89.5	97.9	97.7	84.2	88.6
1989	95.1	97.2	102.2	87.0	97.0	91.4	92.8	100.6	92.6	100.4	96.8	88.9	92.2
1990	95.6	98.1	102.5	91.1	96.8	95.3	97.1	96.7	95.9	102.2	96.0	93.4	95.1
1991	97.8	97.4	99.6	95.5	97.9	97.6	102.3	92.8	98.4	100.0	97.4	95.1	97.2
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	100.6	103.0	102.4	101.7	99.3	101.2	99.7	113.9	101.9	102.0	101.0	104.2	106.6
1994	102.6	109.5	106.8	103.6	98.9	101.0	100.5	131.3	103.6	105.7	103.6	110.6	119.1
1995	103.3	114.3	110.6	105.3	98.3	102.0	101.3	136.9	104.9	109.5	104.4	116.5	126.6
1996	107.2	120.7	112.6	108.5	98.6	101.2	99.9	149.9	105.3	112.3	107.5	122.1	136.7
1997	109.9	128.4	116.9	111.7	99.4	101.7	99.8	154.4	105.9	115.8	110.8	130.6	146.9
1998	113.0	135.3	119.7	118.1	103.6	104.5	99.9	137.5	106.3	118.9	113.8	141.4	148.8
1999	116.6	143.2	122.8	123.5	106.1	106.0	101.0	129.8	106.9	121.8	117.6	151.7	155.6
2000	120.8	150.7	124.7	132.0	109.7	109.2	104.8	109.3	108.1	124.6	120.9	164.5	159.7
2001	123.0	149.4	121.5	137.3	111.1	111.7	113.2	82.6	109.5	123.3	121.2	166.9	156.9
2002	128.4	151.6	118.1	141.5	112.7	110.2	113.0	95.4	109.6	120.1	126.3	167.2	164.2
2003	135.4	157.7	116.5	147.3	114.6	108.8	111.5	113.2	109.8	119.0	132.6	171.6	176.6

... = Not available.

Table 5-1. Indexes of Productivity and Related Data, 1947–2003—Continued

(1992 = 100.)

Year	Manufacturing											
	Output per hour	Output	Hours	Compensation per hour	Real compensation per hour	Unit labor costs	Unit nonlabor payments	Implicit price deflator	Employment	Output per person	Compensation in current dollars	Nonlabor payments in current dollars
1947
1948
1949
1950
1951
1952
1953
1954
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1981
1982
1983
1984
1985
1986
1987	88.4	91.7	103.8	80.7	97.3	91.4	88.0	89.3	104.6	87.7	83.8	80.7
1988	90.0	96.3	107.0	83.6	97.2	92.8	91.3	91.9	106.4	90.5	89.4	87.9
1989	90.3	97.2	107.6	86.1	96.0	95.3	96.4	96.0	107.0	90.9	92.7	93.8
1990	92.9	97.6	105.0	90.1	95.7	97.0	101.1	99.5	105.4	92.6	94.6	98.6
1991	95.4	96.0	100.5	95.4	97.8	100.0	99.5	99.7	101.7	94.3	95.9	95.5
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	102.7	104.1	101.4	102.3	99.8	99.6	101.2	100.6	100.1	104.0	103.7	105.4
1994	106.1	110.0	103.8	105.6	100.9	99.6	103.1	101.8	101.5	108.5	109.6	113.4
1995	109.9	115.0	104.6	107.5	100.3	97.8	107.6	103.9	102.8	111.9	112.4	123.7
1996	113.9	118.6	104.2	109.9	99.8	96.5	110.4	105.2	102.6	115.6	114.4	131.0
1997	118.0	125.1	106.0	112.1	99.7	95.0	110.5	104.6	103.7	120.6	118.8	138.2
1998	123.6	130.7	105.7	119.0	104.4	96.2	104.1	101.1	104.6	125.0	125.8	136.1
1999	128.1	134.6	105.1	123.7	106.2	96.6	105.0	101.8	103.0	130.7	129.9	141.2
2000	134.1	138.6	103.4	135.0	112.2	100.7	107.0	104.6	102.5	135.3	139.5	148.3
2001	136.9	132.3	96.6	138.1	111.7	100.9	105.8	103.9	97.8	135.3	133.5	140.0
2002	146.5	131.5	89.7	147.3	117.3	100.6	...	...	90.6	145.1	132.2	...
2003	154.0	131.6	85.5	159.9	124.5	103.8	...	...	86.4	152.3	136.6	...

... = Not available.

Table 5-2. Average Annual Percent Change in Output per Hour and Related Series: Selected Service-Providing and Mining Industries, 1987-2002

Industry	NAICS Code	2002 Employment (thousands)	Average annual percent change 1987-2002				
			Output per hour	Output	Employee hours	Total compensation	Unit labor costs
MINING							
Mining	21	512	1.8	-0.1	-1.9	2.3	2.4
Oil and gas extraction	211	122	2.6	-0.8	-3.4	2.8	3.7
Mining, except oil and gas	212	211	3.2	0.9	-2.2	0.4	-0.5
Coal mining	2 121	74	4.4	0.1	-4.2	-2.0	-2.1
Metal ore mining	2 122	29	4.8	2.7	-2.0	2.0	-0.7
Nonmetallic mineral mining and quarrying	2 123	107	1.1	0.8	-0.3	3.2	2.4
UTILITIES							
Power generation and supply	2 211	434	3.1	1.4	-1.7	2.8	1.4
Natural gas distribution	2 212	115	3.7	1.8	-1.9	3.5	1.7
TRANSPORTATION AND WAREHOUSING							
Air transportation	481	509	1.6	2.9	1.3	4.8	1.8
Line-haul railroads	482 111	180	5.5	2.2	-3.1	0.4	-1.8
General freight trucking, long-distance	48 412	807	2.2	3.4	1.2	4.3	0.9
Postal service	491	842	1.0	1.5	0.5	4.6	3.1
INFORMATION							
Publishing	511	964	3.8	5.4	1.5	7.1	1.7
Newspaper, book, and directory publishers	5 111	711	0.2	0.1	-0.2	4.0	4.0
Software publishers	5 112	253	17.2	28.2	9.4	16.9	-8.8
Motion picture and video exhibition	51 213	173	1.0	3.3	2.3	3.8	0.6
Radio and television broadcasting	5 151	241	0.2	0.5	0.3	4.3	3.8
Cable and other subscription programming	5 152	93	1.7	7.9	6.1	10.9	2.8
Wired telecommunications carriers	5 171	651	5.8	5.3	-0.5	3.4	-1.8
Wireless telecommunications carriers	5 172	197	6.2	23.8	16.5	19.8	-3.2
Cable and other program distribution	5 175	130	-0.6	5.3	6.0	9.0	3.5
FINANCE AND INSURANCE							
Commercial banking	52 211	1 278	2.3	2.0	-0.3	5.5	3.4
REAL ESTATE AND RENTAL AND LEASING							
Passenger car rental	532 111	125	1.5	3.8	2.4	6.2	2.3
Truck, trailer, and RV rental and leasing	53 212	60	2.5	2.7	0.2	3.9	1.2
PROFESSIONAL AND TECHNICAL SERVICES							
Tax preparation services	541 213	101	-0.3	4.0	4.3	9.5	5.3
Advertising agencies	54 181	190	1.7	1.8	0.2	4.9	3.0
ACCOMMODATION AND FOOD SERVICES							
Traveler accommodations	7 211	1 752	1.3	2.4	1.1	5.6	3.1
OTHER SERVICES							
Automotive repair and maintenance	8 111	1 150	1.1	2.8	1.7	5.4	2.4
Hair, nail, and skin care services	81 211	853	1.5	2.8	1.3	5.5	2.6
Funeral homes and funeral services	81 221	105	-0.9	0.5	1.4	5.1	4.6
Drycleaning and laundry services	8 123	409	1.4	1.2	-0.2	3.2	2.0
Photofinishing	81 292	93	1.8	-0.6	-2.4	2.4	3.1

Table 5-3. Average Annual Percent Change in Output per Hour and Related Series: Retail Trade, Wholesale Trade and Food Service and Drinking Places Industries, 1987–2003 and 2002–2003

Industry	NAICS code	2003 Employment (thousands) ¹	Average annual percent change 1987–2003			Average annual percent change 2002–2003		
			Output per hour	Output	Employee hours	Output per hour	Unit labor costs	Hours
WHOLESALE TRADE								
Wholesale trade	42	5 826	3.5	4.0	0.5	3.4	2.1	-1.3
Durable goods	423	3 063	4.9	5.2	0.3	4.8	2.9	-1.8
Motor vehicle and parts	4 231	360	3.4	3.6	0.2	4.2	3.8	-0.3
Furniture and furnishings	4 232	117	2.0	2.3	0.3	7.6	2.3	-4.9
Lumber and construction supplies	4 233	237	0.2	1.6	1.4	7.4	10.2	2.6
Commercial equipment	4 234	673	13.4	14.0	0.6	7.8	7.0	-0.7
Metals and minerals	4 235	121	-0.2	-0.2	-0.1	0.1	-5.3	-5.4
Electric goods	4 236	355	9.3	9.2	-0.2	8.1	4.0	-3.8
Hardware and plumbing	4 237	237	1.9	2.6	0.7	3.2	-0.4	-3.5
Machinery and supplies	4 238	670	2.1	2.0	-0.1	4.9	1.8	-3.0
Miscellaneous durable goods	4 239	293	2.1	2.6	0.4	-3.4	-3.6	-0.3
Nondurable goods	424	2 106	1.4	1.8	0.4	3.4	1.2	-2.2
Paper and paper products	4 241	158	2.3	2.3	0.0	3.4	-0.7	-4.0
Druggists' goods	4 242	215	3.9	6.9	2.9	11.5	9.5	-1.8
Apparel and piece goods	4 243	162	0.8	1.2	0.3	-9.3	-5.8	3.9
Grocery and related products	4 244	714	1.5	2.4	1.0	3.0	1.1	-1.8
Farm product raw materials	4 245	80	3.1	0.2	-2.8	0.3	1.5	1.2
Chemicals	4 246	135	0.0	1.0	1.0	-1.0	-2.7	-1.7
Petroleum	4 247	110	1.7	-0.7	-2.4	1.8	0.2	-1.6
Alcoholic beverages	4 248	138	1.1	2.3	1.1	1.0	4.7	3.7
Miscellaneous nondurable goods	4 249	395	0.3	0.3	0.0	6.4	-1.4	-7.3
Electronic markets and agents and brokers	425	657	4.5	6.2	1.6	-2.6	2.2	4.9
Business to business electronic markets	42 511	70	9.3	8.2	-1.0	29.1	5.0	-18.7
Wholesale trade agents and brokers	42 512	587	2.8	4.8	2.0	-7.5	0.1	8.2
RETAIL TRADE								
Retail trade	44, 45	15 866	2.9	3.9	0.9	5.1	4.5	-0.6
Motor vehicle and parts dealers	441	1 975	1.7	3.0	1.3	1.6	3.1	1.5
Automobile dealers	4 411	1 319	1.2	2.7	1.5	-0.4	1.6	2.1
Other motor vehicle dealers	4 412	158	3.8	6.3	2.4	14.8	26.7	10.4
Auto parts, accessories, and tire stores	4 413	497	3.1	3.6	0.5	6.3	4.0	-2.2
Furniture and home furnishings stores	442	597	3.5	4.5	1.0	7.9	7.0	-0.9
Furniture stores	4 421	304	3.4	4.1	0.7	5.3	3.8	-1.4
Home furnishing stores	4 422	293	3.7	5.0	1.3	11.1	10.8	-0.3
Electronics and appliance stores	443	544	14.0	15.5	1.3	25.3	18.7	-5.3
Building materials and garden supply stores	444	1 242	3.0	5.1	2.0	6.4	9.3	2.7
Building material and supplies dealers	4 441	1 077	3.0	5.4	2.3	6.6	9.1	2.4
Lawn and garden equipment and supplies stores	4 442	165	3.2	3.5	0.4	5.6	10.8	4.9
Food and beverage stores	445	2 953	0.2	0.6	0.3	3.9	1.7	-2.1
Grocery stores	4 451	2 517	0.2	0.6	0.4	2.7	1.5	-1.2
Specialty food stores	4 452	279	-0.2	0.1	0.2	13.9	6.9	-6.2
Beer, wine, and liquor stores	4 453	158	1.6	0.3	-1.3	11.6	2.1	-8.5
Health and personal care stores	446	981	2.5	3.9	1.3	7.0	4.4	-2.4
Gasoline stations	447	905	2.2	1.6	-0.6	-0.5	-1.7	-1.2
Clothing and clothing accessories stores	448	1 391	4.6	4.7	0.1	6.1	6.8	0.7
Clothing stores	4 481	1 003	4.7	5.0	0.3	5.7	6.6	0.9
Shoe stores	4 482	188	4.1	2.7	-1.4	4.0	3.3	-0.7
Jewelry, luggage, and leather goods stores	4 483	200	4.2	4.9	0.7	9.5	10.6	1.0
Sporting goods, hobby, book, and music stores	451	727	3.6	5.2	1.5	-0.7	0.4	1.2
Sporting goods, and musical instrument stores	4 511	490	4.3	5.6	1.3	0.0	2.0	2.1
Book, periodical, and music stores	4 512	238	2.1	4.2	2.1	-1.9	-2.7	-0.8
General merchandise stores	452	2 827	3.9	5.5	1.5	5.0	5.6	0.5
Department stores	4 521	1 621	1.3	2.9	1.6	3.3	-1.3	-4.4
Other general merchandise stores	4 529	1 206	7.9	9.4	1.3	4.9	12.2	7.0
Miscellaneous store retailers	453	1 112	3.7	5.1	1.3	4.1	2.2	-1.8
Florists	4 531	139	3.1	1.9	-1.2	8.7	7.9	-0.7
Office supplies, stationery, and gift stores	4 532	462	5.7	6.8	1.0	3.2	3.4	0.1
Used merchandise stores	4 533	166	3.2	7.5	4.2	2.2	9.6	7.2
Other miscellaneous store retailers	4 539	346	1.8	3.9	2.0	7.4	-1.4	-8.2
Nonstore retailers	454	613	8.9	9.0	0.0	15.4	9.4	-5.2
Electronic shopping and mail-order houses	4 541	247	12.5	16.6	3.6	15.8	13.8	-1.7
Vending machine operators	4 542	64	1.8	-0.1	-1.9	11.0	-4.8	-14.2
Direct selling establishments	4 543	302	3.4	1.6	-1.8	9.5	3.1	-5.8
FOOD SERVICES AND DRINKING PLACES								
Food services and drinking places	722	8 791	0.8	2.4	1.6	3.3	4.9	1.5
Full-service restaurants	7 221	4 189	0.9	2.7	1.8	3.4	6.3	2.7
Limited-service eating places	7 222	3 690	1.0	2.6	1.6	3.5	5.3	1.8
Special food services	7 223	518	0.0	1.8	1.7	2.7	-1.6	-4.2
Drinking places, alcoholic beverages	7 224	395	-1.0	-0.7	0.3	5.4	-0.8	-5.9

¹Industry employment may not sum to aggregate levels due to rounding.

Table 5-4. Indexes of Multifactor Productivity and Related Measures, Selected Years, 1960–2001

(1996 = 100.)

Industry	1960	1965	1970	1975	1980	1985	1986	1987	1988	1989	1990
PRIVATE BUSINESS											
Productivity											
Output per hour of all persons	45.6	55.9	63.0	71.4	75.8	83.9	86.5	87.0	88.1	89.0	90.2
Output per unit of capital	112.0	123.3	113.1	104.1	103.3	99.5	99.0	99.2	100.4	101.0	99.7
Multifactor productivity	65.5	76.6	80.5	85.4	88.8	92.4	93.9	94.2	94.8	95.3	95.5
Output	27.5	35.6	42.0	48.5	59.4	71.0	73.6	76.3	79.6	82.4	83.6
Inputs											
Labor input	54.0	58.0	61.0	62.4	71.9	79.6	80.4	83.1	86.3	88.8	89.4
Capital services	24.6	28.9	37.1	46.6	57.6	71.3	74.4	76.9	79.2	81.6	83.8
Combined units of labor and capital inputs	42.1	46.5	52.2	56.8	67.0	76.8	78.4	81.0	83.9	86.4	87.5
Capital services per hour for all persons	40.7	45.3	55.7	68.6	73.4	84.3	87.4	87.7	87.7	88.1	90.4
PRIVATE NONFARM BUSINESS											
Productivity											
Output per hour of all persons	48.7	58.6	64.9	73.0	77.3	84.4	87.1	87.5	88.6	89.3	90.3
Output per unit of capital	121.9	133.1	120.5	109.1	107.6	101.4	100.7	100.5	101.7	102.0	100.4
Multifactor productivity	69.4	80.0	83.1	87.6	91.0	93.4	94.8	94.9	95.6	95.8	95.8
Output	27.2	35.5	41.9	48.4	59.6	70.8	73.5	76.2	79.7	82.4	83.5
Inputs											
Labor input	50.1	55.4	59.3	60.9	70.7	78.8	79.8	82.5	85.9	88.5	89.2
Capital services	22.3	26.6	34.8	44.3	55.4	69.8	73.0	75.8	78.3	80.8	83.2
Combined units of labor and capital inputs	39.2	44.3	50.5	55.2	65.5	75.8	77.6	80.3	83.4	86.0	87.2
Capital services per hour for all persons	39.9	44.0	53.8	66.9	71.8	83.3	86.5	87.0	87.1	87.6	89.9
MANUFACTURING											
Productivity											
Output per hour of all persons	37.1	43.0	48.1	56.9	62.1	73.0	76.1	78.4	79.9	80.0	82.3
Output per unit of capital	119.9	131.7	112.4	100.0	97.4	96.1	96.3	97.6	100.7	99.2	97.5
Multifactor productivity	68.1	77.5	79.1	78.8	81.2	89.0	90.5	93.3	95.0	93.3	93.1
Output	32.9	42.3	48.3	53.4	64.4	73.6	75.7	78.4	82.2	82.6	83.2
Inputs											
Hours at work of all persons	88.8	98.3	100.6	93.9	103.7	100.8	99.4	100.0	102.8	103.3	101.1
Capital services	27.5	32.1	43.0	53.4	66.2	76.5	78.6	80.3	81.6	83.3	85.3
Energy	48.0	62.6	79.8	82.0	86.3	80.9	81.5	86.6	90.1	90.3	93.2
Non-energy materials	32.5	35.2	38.2	52.4	63.6	72.5	74.2	71.4	72.7	75.8	78.3
Purchased business services	25.9	34.1	44.6	53.1	67.3	62.9	67.0	71.3	77.7	82.7	84.8
Combined units of all inputs	48.3	54.6	61.1	67.8	79.3	82.6	83.6	84.0	86.5	88.6	89.4

Table 5-4. Indexes of Multifactor Productivity and Related Measures, Selected Years, 1960–2001—Continued

(1996 = 100.)

Industry	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
PRIVATE BUSINESS											
Productivity											
Output per hour of all persons	91.3	94.8	95.4	96.6	97.3	100.0	102.2	105.0	107.7	111.0	112.4
Output per unit of capital	96.5	98.0	98.7	100.4	99.8	100.0	100.3	99.3	98.2	96.6	92.8
Multifactor productivity	94.5	96.7	97.1	98.2	98.4	100.0	101.2	102.5	103.4	105.0	103.9
Output	82.6	85.7	88.5	92.8	95.8	100.0	105.2	110.5	115.7	120.4	120.2
Inputs											
Labor input	88.3	89.3	91.8	95.6	98.0	100.0	103.5	106.1	109.0	110.1	109.5
Capital services	85.7	87.5	89.7	92.5	96.0	100.0	104.9	111.3	117.9	124.5	129.6
Combined units of labor and capital inputs	87.4	88.7	91.1	94.6	97.3	100.0	104.0	107.9	111.9	114.7	115.7
Capital services per hour for all persons	94.6	96.8	96.6	96.2	97.5	100.0	101.9	105.8	109.7	114.8	121.1
PRIVATE NONFARM BUSINESS											
Productivity											
Output per hour of all persons	91.4	94.8	95.3	96.5	97.5	100.0	102.0	104.7	107.1	110.3	111.6
Output per unit of capital	97.0	98.2	99.0	100.4	100.0	100.0	100.0	99.0	97.6	95.9	92.0
Multifactor productivity	94.8	96.7	97.2	98.2	98.6	100.0	101.0	102.2	102.9	104.4	103.3
Output	82.5	85.5	88.4	92.6	95.8	100.0	105.1	110.5	115.7	120.2	120.1
Inputs											
Labor input	87.9	89.0	91.8	95.4	97.8	100.0	103.6	106.4	109.5	110.6	110.1
Capital services	85.1	87.0	89.4	92.2	95.8	100.0	105.1	111.7	118.5	125.4	130.5
Combined units of labor and capital inputs	87.0	88.4	91.0	94.3	97.2	100.0	104.1	108.1	112.4	115.2	116.3
Capital services per hour for all persons	94.3	96.5	96.3	96.1	97.6	100.0	101.9	105.8	109.7	115.0	121.3
MANUFACTURING											
Productivity											
Output per hour of all persons	84.2	88.6	90.3	93.0	96.6	100.0	104.2	109.3	114.9	119.5	...
Output per unit of capital	93.6	96.0	97.0	99.7	100.6	100.0	101.8	101.9	102.3	101.1	...
Multifactor productivity	92.2	93.8	94.8	97.4	99.2	100.0	103.3	105.4	108.1	110.1	...
Output	81.6	85.5	88.3	93.0	96.9	100.0	106.0	111.0	115.7	118.6	...
Inputs											
Hours at work of all persons	96.9	96.5	97.8	99.9	100.4	100.0	101.8	101.5	100.7	99.3	...
Capital services	87.2	89.1	91.1	93.2	96.4	100.0	104.1	108.9	113.1	117.3	...
Energy	93.4	93.3	96.7	99.9	102.1	100.0	98.5	105.0	101.8	104.6	...
Non-energy materials	79.2	84.6	87.1	90.0	93.0	100.0	102.0	110.0	114.9	115.9	...
Purchased business services	84.4	91.7	94.1	96.2	100.5	100.0	104.5	103.1	104.4	105.5	...
Combined units of all inputs	88.4	91.2	93.1	95.5	97.7	100.0	102.6	105.3	107.0	107.7	...

... = Not available.

Table 5-5. Indexes of Multifactor Productivity and Related Measures, Manufacturing Industries, 1986–2000

(1996 = 100.)

Industry	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
NONDURABLE GOODS															
Output per hour of all persons	82.0	83.6	84.9	84.5	86.5	88.3	92.0	92.5	94.3	97.1	100.0	103.9	106.5	108.4	112.4
Output per unit of capital	102.0	104.3	105.7	103.9	102.9	99.9	102.0	101.4	102.2	101.7	100.0	101.3	99.2	97.1	95.2
Multifactor productivity	99.4	101.0	102.2	99.9	99.0	98.2	98.7	99.0	100.1	100.7	100.0	102.1	102.0	103.1	103.1
Sector output	80.6	84.0	86.5	87.0	88.7	88.6	93.0	94.7	97.3	99.3	100.0	104.0	105.0	105.9	107.0
Hours of all persons at work	98.3	100.4	102.0	103.0	102.5	100.3	101.0	102.3	103.2	102.2	100.0	100.1	98.6	97.7	95.2
Capital services	79.1	80.5	81.9	83.7	86.2	88.7	91.1	93.4	95.2	97.6	100.0	102.7	105.8	109.0	112.4
Energy	77.7	81.0	83.5	85.4	89.7	90.7	92.7	96.6	98.8	102.1	100.0	97.0	101.7	99.7	102.1
Non-energy materials	76.2	77.8	77.6	79.7	82.7	83.4	89.6	90.5	93.8	95.0	100.0	102.4	105.4	103.8	105.7
Purchased business services	62.7	66.2	73.6	80.7	87.2	89.9	97.4	98.7	96.9	101.7	100.0	103.9	101.9	101.7	105.3
Combined units of all inputs	81.1	83.1	84.7	87.1	89.6	90.2	94.2	95.6	97.2	98.6	100.0	101.9	103.0	102.7	103.8
Food and Kindred Products															
Output per hour of all persons	89.0	89.5	91.9	89.4	90.2	93.3	98.2	98.4	98.8	100.9	100.0	102.2	106.2	104.2	105.2
Output per unit of capital	101.2	100.5	102.5	100.8	101.2	100.8	103.6	103.5	103.1	104.2	100.0	101.9	100.1	97.3	94.3
Multifactor productivity	102.4	102.9	106.5	102.3	101.0	101.9	101.4	102.7	100.5	104.5	100.0	101.2	100.6	103.1	102.9
Sector output	83.2	84.6	87.2	86.9	89.3	91.0	95.8	97.5	98.5	101.9	100.0	103.4	106.6	107.0	107.2
Hours of all persons at work	93.4	94.5	94.9	97.2	99.1	97.5	97.6	99.1	99.7	101.0	100.0	101.2	100.4	102.7	101.9
Capital services	82.2	84.2	85.1	86.3	88.3	90.2	92.5	94.2	95.5	97.7	100.0	101.5	106.6	110.0	113.6
Energy	81.7	84.5	87.1	88.0	88.4	91.3	93.4	96.1	100.1	104.8	100.0	101.9	109.9	104.4	109.1
Non-energy materials	79.1	80.6	78.9	81.9	85.6	86.1	92.9	92.6	97.4	95.6	100.0	102.7	108.1	103.5	103.7
Purchased business services	69.4	63.9	71.0	79.9	87.4	93.6	102.6	103.9	101.8	101.4	100.0	101.9	102.8	97.3	95.9
Combined units of all inputs	81.2	82.2	81.9	85.0	88.4	89.3	94.5	95.0	98.0	97.5	100.0	102.2	106.0	103.8	104.2
Textile Mill Products															
Output per hour of all persons	71.3	72.7	73.6	76.5	78.9	79.7	85.7	89.0	91.2	95.1	100.0	100.9	104.0	109.7	112.0
Output per unit of capital	88.5	95.0	94.7	96.5	93.7	93.2	100.4	104.1	105.1	101.8	100.0	98.9	94.1	90.5	87.5
Multifactor productivity	85.6	86.7	89.5	90.1	90.8	91.1	95.0	96.6	97.3	98.7	100.0	101.4	100.9	105.9	108.4
Sector output	80.4	86.6	86.4	88.3	86.2	85.8	93.0	97.7	101.5	100.5	100.0	100.7	99.6	97.1	95.4
Hours of all persons at work	112.8	119.1	117.4	115.5	109.2	107.6	108.5	109.8	111.4	105.7	100.0	99.8	95.7	88.5	85.2
Capital services	90.9	91.1	91.2	91.5	92.0	92.1	92.6	93.9	96.5	98.8	100.0	101.8	105.8	107.3	109.1
Energy	83.0	91.3	91.3	91.9	88.5	90.5	94.5	98.8	104.7	106.2	100.0	95.9	100.7	98.5	94.0
Non-energy materials	88.6	95.2	88.1	90.8	88.3	86.7	91.9	97.0	101.0	99.2	100.0	99.4	100.9	92.3	87.9
Purchased business services	57.7	63.4	71.0	80.5	81.0	86.5	97.4	101.0	105.0	103.6	100.0	95.8	88.5	78.6	71.6
Combined units of all inputs	94.0	99.8	96.6	98.1	95.0	94.2	97.9	101.1	104.3	101.9	100.0	99.3	98.6	91.7	88.0
Apparel and Related Products															
Output per hour of all persons	75.0	76.0	76.2	72.4	75.1	75.6	81.4	85.3	90.0	95.6	100.0	113.9	117.2	129.2	142.1
Output per unit of capital	103.3	106.0	102.6	99.5	97.8	98.1	102.6	101.5	102.9	99.5	100.0	108.1	96.9	95.4	91.0
Multifactor productivity	97.0	98.1	98.0	96.6	96.1	94.3	93.9	94.5	96.8	98.7	100.0	102.5	103.1	103.8	105.9
Sector output	91.0	93.5	92.3	87.8	87.0	86.3	93.5	96.3	100.8	101.6	100.0	107.2	103.1	104.3	102.4
Hours of all persons at work	121.3	123.0	121.1	121.2	115.8	114.1	114.8	112.9	112.1	106.3	100.0	94.1	88.0	80.7	72.1
Capital services	88.1	88.3	89.9	88.3	88.9	87.9	91.1	94.9	98.0	102.1	100.0	99.1	106.4	109.3	112.6
Energy	66.1	68.7	69.2	60.5	59.8	61.1	95.6	105.9	103.4	110.4	100.0	84.0	88.5	83.6	85.4
Non-energy materials	96.3	98.7	94.1	85.3	84.1	84.0	93.1	97.4	101.2	100.7	100.0	112.1	107.4	113.2	112.5
Purchased business services	33.0	31.9	40.2	48.0	59.3	71.7	93.3	97.1	100.6	102.8	100.0	107.4	98.5	99.1	93.4
Combined units of all inputs	93.8	95.3	94.1	90.9	90.5	91.5	99.5	101.9	104.2	102.9	100.0	104.5	100.0	100.5	96.7
Paper and Allied Products															
Output per hour of all persons	86.6	86.5	88.3	88.1	88.3	90.7	93.0	94.8	98.5	99.1	100.0	101.3	104.8	106.2	109.3
Output per unit of capital	105.1	105.7	107.5	105.0	101.1	98.4	100.2	101.3	104.8	103.3	100.0	100.3	98.9	99.2	97.1
Multifactor productivity	100.4	100.0	101.0	98.6	97.7	98.5	99.8	103.4	104.4	97.9	100.0	103.1	102.5	103.8	101.6
Sector output	82.4	84.6	87.8	89.1	89.6	90.2	94.1	96.3	100.6	100.4	100.0	102.3	103.6	105.4	103.8
Hours of all persons at work	95.2	97.8	99.4	101.1	101.4	99.6	101.2	101.6	102.2	101.3	100.0	101.0	98.9	99.3	95.0
Capital services	78.5	80.1	81.7	84.9	88.6	91.8	93.9	95.0	96.0	97.2	100.0	102.0	104.8	106.2	106.9
Energy	81.2	84.9	86.4	88.8	94.2	94.9	96.8	99.2	101.3	104.5	100.0	98.2	102.1	100.0	102.0
Non-energy materials	79.2	81.0	82.6	86.3	86.8	86.2	89.5	86.8	92.8	103.8	100.0	97.5	102.1	103.4	107.1
Purchased business services	63.8	70.0	80.5	90.3	90.5	91.1	95.7	90.8	94.3	113.6	100.0	96.3	96.0	93.1	95.8
Combined units of all inputs	82.1	84.6	86.9	90.4	91.7	91.6	94.3	93.2	96.4	102.6	100.0	99.2	101.1	101.6	102.2

Table 5-5. Indexes of Multifactor Productivity and Related Measures, Manufacturing Industries, 1986–2000—Continued

(1996 = 100.)

Industry	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Printing and Publishing															
Output per hour of all persons	104.3	106.6	101.5	99.5	98.0	96.9	100.4	98.4	97.1	97.2	100.0	101.8	102.2	104.0	105.5
Output per unit of capital	139.5	138.8	131.6	123.1	117.5	108.3	107.4	105.3	104.3	102.1	100.0	97.6	96.0	90.5	83.1
Multifactor productivity	112.9	112.8	110.8	109.5	106.8	104.4	105.6	101.8	102.4	100.6	100.0	99.9	100.1	101.3	101.7
Sector output	96.6	101.1	101.4	100.0	99.7	95.2	97.6	97.9	98.5	99.2	100.0	104.0	103.3	104.8	105.2
Hours of all persons at work	92.6	94.9	99.9	100.5	101.7	98.3	97.2	99.6	101.4	102.1	100.0	102.2	101.1	100.8	99.7
Capital services	69.2	72.8	77.0	81.3	84.8	88.0	90.9	93.0	94.4	97.2	100.0	106.5	107.7	115.8	126.5
Energy	73.4	85.7	91.6	91.9	95.9	94.9	95.8	98.8	97.9	98.9	100.0	94.4	94.0	92.8	91.8
Non-energy materials	88.5	92.7	90.0	86.6	88.8	86.9	88.6	95.2	91.4	93.8	100.0	103.8	102.6	99.7	95.9
Purchased business services	77.5	85.7	85.6	85.6	87.3	83.0	87.4	91.8	91.8	99.8	100.0	108.8	107.2	107.0	108.1
Combined units of all inputs	85.5	89.6	91.5	91.3	93.3	91.2	92.4	96.2	96.1	98.7	100.0	104.2	103.3	103.5	103.5
Chemicals and Allied Products															
Output per hour of all persons	78.3	85.0	86.4	86.1	87.5	87.5	89.0	89.2	94.9	97.9	100.0	107.1	106.5	108.0	113.1
Output per unit of capital	99.5	107.6	111.2	110.3	109.0	103.5	103.7	101.0	102.4	101.6	100.0	103.0	99.2	97.7	97.4
Multifactor productivity	97.3	103.4	102.5	100.3	100.7	97.8	97.4	96.9	100.3	99.7	100.0	103.4	102.1	102.7	102.3
Sector output	74.6	82.1	86.2	87.8	90.2	89.5	92.6	93.0	96.6	98.5	100.0	106.5	106.9	108.5	111.8
Hours of all persons at work	95.3	96.5	99.7	102.0	103.1	102.3	104.0	104.2	101.8	100.6	100.0	99.5	100.4	100.5	98.9
Capital services	75.0	76.3	77.5	79.6	82.8	86.5	89.3	92.0	94.3	96.9	100.0	103.4	107.7	111.1	114.8
Energy	73.6	79.3	82.9	85.4	90.4	90.1	90.9	95.4	97.4	99.4	100.0	92.2	95.1	96.4	97.3
Non-energy materials	72.9	75.8	81.5	84.7	84.9	87.0	91.7	90.9	91.9	96.4	100.0	106.5	106.8	110.0	120.5
Purchased business services	56.2	62.1	74.0	83.0	88.0	91.6	98.4	99.0	98.5	103.8	100.0	105.5	105.2	99.2	101.4
Combined units of all inputs	76.7	79.4	84.1	87.5	89.6	91.6	95.1	96.0	96.3	98.8	100.0	103.1	104.7	105.7	109.3
Petroleum Refining and Related Products															
Output per hour of all persons	76.6	79.4	83.4	84.1	83.8	83.4	85.7	91.1	92.2	97.0	100.0	105.4	107.9	112.4	119.2
Output per unit of capital	99.4	103.1	105.9	106.5	106.4	103.6	102.7	102.7	99.9	99.3	100.0	102.6	106.9	106.4	109.6
Multifactor productivity	98.7	98.7	99.4	99.2	98.6	98.7	99.5	100.3	99.8	99.9	100.0	101.0	102.4	102.4	103.8
Sector output	89.0	91.0	92.9	92.9	93.4	92.6	94.6	97.3	96.6	97.6	100.0	102.7	105.3	103.7	105.2
Hours of all persons at work	116.1	114.5	111.3	110.5	111.4	111.1	110.4	106.9	104.8	100.6	100.0	97.4	97.6	92.2	88.3
Capital services	89.6	88.2	87.7	87.3	87.8	89.4	92.1	94.8	96.7	98.4	100.0	100.0	98.6	97.5	96.0
Energy	102.8	90.3	94.0	94.0	106.5	104.7	100.5	103.5	99.8	103.9	100.0	100.5	108.9	99.3	106.9
Non-energy materials	90.1	92.7	94.6	94.4	94.4	93.2	95.0	97.8	97.0	97.8	100.0	102.5	104.9	103.3	104.3
Purchased business services	55.2	70.9	72.7	82.3	100.1	93.1	86.4	81.6	83.7	88.7	100.0	103.0	98.5	102.9	99.3
Combined units of all inputs	90.2	92.2	93.4	93.6	94.7	93.8	95.0	97.1	96.8	97.7	100.0	101.7	102.8	101.2	101.3
Rubber and Miscellaneous Plastics Products															
Output per hour of all persons	74.0	78.2	78.8	79.6	81.9	83.0	90.3	91.7	94.5	95.7	100.0	104.1	106.8	109.5	113.9
Output per unit of capital	93.8	99.4	100.6	99.5	97.5	92.1	100.6	103.1	106.7	102.6	100.0	99.4	95.6	93.3	90.3
Multifactor productivity	88.6	90.2	90.7	92.5	92.6	93.7	95.8	96.8	98.4	98.3	100.0	102.2	103.8	105.0	106.5
Sector output	62.1	67.5	70.1	71.9	73.4	71.9	81.2	86.7	94.3	96.4	100.0	106.1	109.7	114.0	117.2
Hours of all persons at work	83.9	86.3	89.0	90.4	89.7	86.6	89.9	94.6	99.8	100.7	100.0	101.9	102.7	104.1	102.9
Capital services	66.2	68.0	69.7	72.3	75.3	78.1	80.7	84.1	88.4	94.0	100.0	106.7	114.8	122.2	129.8
Energy	70.0	75.4	78.5	81.0	81.4	79.9	83.5	90.3	96.6	101.9	100.0	101.2	105.4	108.3	111.9
Non-energy materials	66.9	73.0	74.7	73.8	75.7	72.0	83.0	88.1	94.9	96.7	100.0	103.8	106.2	109.4	111.2
Purchased business services	47.3	54.2	60.5	63.9	68.2	69.0	82.7	87.3	95.4	100.5	100.0	106.7	102.9	104.1	104.9
Combined units of all inputs	70.1	74.9	77.3	77.8	79.3	76.7	84.8	89.6	95.8	98.1	100.0	103.7	105.7	108.6	110.0

Table 5-5. Indexes of Multifactor Productivity and Related Measures, Manufacturing Industries, 1986–2000—Continued

(1996 = 100.)

Industry	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
DURABLE GOODS															
Output per hour of all persons	71.7	74.4	76.2	76.2	78.3	79.5	84.6	87.5	91.4	95.7	100.0	105.1	112.7	121.5	126.6
Output per unit of capital	91.8	92.5	96.4	95.0	92.6	87.7	90.9	93.5	98.2	99.9	100.0	102.3	104.0	106.1	105.2
Multifactor productivity	83.8	87.2	89.1	88.0	88.6	87.7	90.2	91.8	95.2	98.0	100.0	104.0	107.7	111.7	115.4
Sector output	71.8	74.2	78.8	78.9	78.4	75.1	79.0	82.8	89.3	94.9	100.0	108.2	116.6	124.7	129.3
Hours of all persons at work	100.1	99.7	103.4	103.5	100.2	94.5	93.3	94.7	97.7	99.1	100.0	102.9	103.5	102.7	102.1
Capital services	78.3	80.2	81.7	83.1	84.6	85.6	86.9	88.5	91.0	95.0	100.0	105.8	112.2	117.5	122.8
Energy	88.3	95.6	100.4	98.0	98.8	97.5	94.6	97.4	101.9	102.4	100.0	100.3	109.4	104.5	107.8
Non-energy materials	74.3	69.5	72.5	74.7	75.2	74.3	79.2	84.2	87.9	92.8	100.0	104.3	116.2	127.5	126.9
Purchased business services	71.4	76.5	81.9	84.8	82.3	78.9	86.0	89.5	95.4	99.2	100.0	105.2	104.3	107.2	105.7
Combined units of all inputs	85.7	85.1	88.5	89.7	88.5	85.6	87.5	90.3	93.8	96.8	100.0	104.0	108.3	111.7	112.0
Lumber and Wood Products															
Output per hour of all persons	106.4	107.9	105.4	102.5	103.8	106.0	106.2	100.0	99.4	99.6	100.0	98.6	99.6	101.8	101.5
Output per unit of capital	93.1	101.9	102.7	101.4	100.1	93.7	98.4	98.6	102.3	102.3	100.0	97.3	99.6	101.6	97.8
Multifactor productivity	105.8	110.6	111.6	110.8	111.6	111.3	110.5	101.7	101.2	102.5	100.0	98.6	98.5	99.1	98.6
Sector output	94.9	102.1	101.0	97.9	96.3	88.9	92.3	92.2	97.2	99.6	100.0	99.8	104.0	108.6	107.2
Hours of all persons at work	89.2	94.6	95.8	95.5	92.8	83.9	86.9	92.2	97.8	100.0	100.0	101.2	104.5	106.7	105.7
Capital services	101.9	100.3	98.4	96.5	96.1	94.9	93.7	93.5	95.0	97.4	100.0	102.6	104.4	106.9	109.7
Energy	77.9	88.1	92.9	90.9	92.0	92.0	85.4	94.9	100.6	98.5	100.0	99.1	101.2	103.8	104.0
Non-energy materials	92.9	94.4	89.2	83.8	80.9	73.6	78.9	86.0	93.6	94.5	100.0	100.2	107.7	114.4	114.3
Purchased business services	55.7	59.7	58.0	62.8	63.0	60.4	69.5	100.3	102.6	98.0	100.0	104.6	103.9	107.4	98.2
Combined units of all inputs	89.7	92.4	90.5	88.3	86.3	79.9	83.5	90.6	96.1	97.2	100.0	101.2	105.6	109.6	108.7
Furniture and Fixtures															
Output per hour of all persons	84.1	86.8	85.5	85.4	87.6	88.0	91.7	93.5	93.8	98.2	100.0	107.2	111.3	113.2	114.7
Output per unit of capital	102.9	104.6	101.0	99.9	96.7	90.5	97.0	99.7	100.4	101.2	100.0	107.0	108.9	108.4	105.5
Multifactor productivity	94.4	95.9	95.4	95.3	95.4	95.6	98.7	100.5	99.3	100.0	100.0	103.2	103.8	104.6	104.9
Sector output	82.5	87.2	87.1	87.7	86.4	80.9	87.4	92.0	95.0	98.7	100.0	110.9	119.0	123.9	127.2
Hours of all persons at work	98.1	100.5	101.9	102.7	98.6	91.9	95.3	98.4	101.3	100.5	100.0	103.5	106.9	109.4	110.9
Capital services	80.2	83.3	86.3	87.8	89.4	89.3	90.2	92.3	94.6	97.5	100.0	103.7	109.4	114.3	120.5
Energy	76.3	89.6	92.7	97.2	91.3	90.4	91.2	96.3	98.5	103.9	100.0	110.5	113.8	111.5	114.3
Non-energy materials	79.9	83.2	83.0	83.9	84.3	78.6	83.6	86.8	92.1	97.3	100.0	109.7	120.0	124.7	128.1
Purchased business services	103.0	111.9	108.5	106.2	101.6	90.4	93.5	95.3	97.8	101.3	100.0	112.3	118.0	120.0	121.4
Combined units of all inputs	87.4	91.0	91.3	92.0	90.6	84.6	88.6	91.6	95.7	98.7	100.0	107.5	114.7	118.4	121.3
Stone, Clay, and Glass															
Output per hour of all persons	89.0	91.2	90.2	89.9	92.1	91.0	95.7	95.8	96.1	97.3	100.0	103.9	108.5	108.7	108.2
Output per unit of capital	84.3	86.5	88.3	87.4	87.0	80.9	86.5	90.0	95.2	96.8	100.0	98.4	97.8	94.4	90.0
Multifactor productivity	93.0	94.6	94.7	95.8	96.6	94.5	98.9	97.5	99.4	99.9	100.0	103.9	103.2	103.4	102.8
Sector output	86.3	88.4	90.2	89.6	88.8	81.8	85.7	87.6	91.9	94.5	100.0	103.5	109.0	110.6	111.1
Hours of all persons at work	97.0	97.0	100.0	99.7	96.4	89.9	89.5	91.4	95.6	97.1	100.0	99.6	100.4	101.7	102.7
Capital services	102.4	102.2	102.2	102.5	102.0	101.0	99.1	97.2	96.5	97.6	100.0	105.2	111.4	117.2	123.5
Energy	100.4	102.6	104.5	101.7	101.6	97.0	99.6	100.6	98.7	104.3	100.0	101.7	112.2	107.3	109.7
Non-energy materials	86.3	86.6	87.5	84.3	83.4	78.2	78.5	84.4	87.3	89.6	100.0	97.2	108.1	109.2	108.5
Purchased business services	78.2	85.3	88.1	87.9	86.8	81.6	85.5	87.9	90.2	94.0	100.0	97.5	101.8	100.1	96.2
Combined units of all inputs	92.8	93.5	95.2	93.6	91.9	86.5	86.7	89.8	92.5	94.5	100.0	99.6	105.5	107.0	108.1
Primary Metal Industries															
Output per hour of all persons	81.2	85.1	87.7	85.2	85.3	86.0	91.4	95.2	96.0	97.7	100.0	100.8	106.3	105.8	104.3
Output per unit of capital	75.2	82.0	90.1	88.6	86.5	82.2	86.1	91.4	97.1	98.4	100.0	101.6	103.5	101.7	99.6
Multifactor productivity	98.0	97.0	96.0	94.5	96.3	96.7	99.9	103.1	101.8	99.0	100.0	100.4	103.5	104.8	103.8
Sector output	80.9	86.4	93.6	91.0	88.5	83.7	86.6	90.9	96.2	97.6	100.0	102.6	106.1	105.6	104.3
Hours of all persons at work	99.6	101.5	106.8	106.8	103.7	97.3	94.8	95.5	100.2	100.0	100.0	101.7	99.8	99.8	100.0
Capital services	107.5	105.3	103.9	102.8	102.3	101.8	100.6	99.5	99.0	99.2	100.0	101.0	102.5	103.8	104.8
Energy	95.5	98.9	111.5	103.2	105.2	107.0	99.7	99.0	110.2	99.9	100.0	94.6	110.8	102.2	105.5
Non-energy materials	69.3	78.3	88.0	86.6	80.7	75.7	78.1	80.6	88.1	96.9	100.0	103.5	103.9	102.6	101.6
Purchased business services	70.9	84.1	100.6	101.2	93.0	81.4	84.0	85.0	93.5	101.6	100.0	103.6	100.1	92.4	90.5
Combined units of all inputs	82.6	89.0	97.6	96.3	91.9	86.5	86.8	88.2	94.5	98.6	100.0	102.2	102.6	100.8	100.5

Table 5-5. Indexes of Multifactor Productivity and Related Measures, Manufacturing Industries, 1986–2000—Continued

(1996 = 100.)

Industry	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Fabricated Metal Products															
Output per hour of all persons	87.6	91.4	90.3	87.2	87.8	87.6	92.8	94.5	96.6	98.2	100.0	103.2	106.5	106.3	108.4
Output per unit of capital	95.5	95.5	98.4	95.7	92.6	87.4	91.9	94.6	100.0	100.2	100.0	103.5	103.5	101.3	101.8
Multifactor productivity	95.7	98.7	99.4	96.7	95.3	93.4	95.1	96.1	99.5	100.1	100.0	101.3	100.8	100.4	101.4
Sector output	83.4	85.1	87.7	85.3	83.4	79.1	83.7	86.9	93.5	96.8	100.0	106.4	110.7	111.5	114.8
Hours of all persons at work	95.1	93.1	97.1	97.9	95.0	90.3	90.2	92.0	96.8	98.6	100.0	103.1	104.0	104.9	105.9
Capital services	87.3	89.1	89.1	89.2	90.1	90.6	91.1	91.9	93.5	96.6	100.0	102.8	107.0	110.0	112.7
Energy	80.7	89.6	93.3	93.0	92.3	91.2	88.4	92.8	96.1	102.7	100.0	102.5	109.2	109.1	111.6
Non-energy materials	82.7	80.7	81.5	81.0	81.4	79.4	85.3	88.9	92.0	94.7	100.0	106.9	115.4	117.3	120.1
Purchased business services	80.3	85.2	90.0	90.7	88.1	83.2	89.6	91.0	94.8	99.2	100.0	107.0	109.3	105.1	107.1
Combined units of all inputs	87.1	86.2	88.3	88.2	87.5	84.7	87.9	90.5	94.0	96.7	100.0	105.0	109.8	111.1	113.2
Industrial and Commercial Machinery															
Output per hour of all persons	53.1	55.8	60.3	61.0	62.6	62.4	69.2	74.2	81.5	89.7	100.0	108.5	120.8	132.6	146.5
Output per unit of capital	73.6	75.1	82.1	81.0	79.2	73.4	77.3	81.8	88.4	95.2	100.0	104.4	105.6	102.1	100.9
Multifactor productivity	71.2	75.9	80.0	80.6	81.5	79.5	83.8	86.1	90.8	95.2	100.0	106.3	114.9	120.4	126.3
Sector output	50.4	52.3	59.2	60.5	60.8	57.6	62.4	68.5	77.8	89.1	100.0	113.1	126.3	132.9	143.7
Hours of all persons at work	94.9	93.7	98.1	99.3	97.1	92.4	90.2	92.2	95.5	99.3	100.0	104.2	104.6	100.2	98.1
Capital services	68.5	69.7	72.0	74.7	76.7	78.5	80.7	83.8	88.0	93.5	100.0	108.3	119.6	130.1	142.4
Energy	86.9	92.0	94.9	99.2	99.1	97.7	89.9	92.7	99.5	102.8	100.0	99.9	104.9	99.5	104.0
Non-energy materials	54.0	50.6	56.5	57.4	57.6	56.9	61.6	69.1	76.9	88.7	100.0	109.2	115.5	119.8	128.6
Purchased business services	74.1	75.2	80.5	80.6	76.2	70.7	74.0	79.8	88.9	95.7	100.0	100.4	96.7	91.8	91.4
Combined units of all inputs	70.8	68.9	74.0	75.1	74.6	72.5	74.5	79.6	85.6	93.6	100.0	106.4	109.9	110.3	113.8
Electrical and Electronic Equipment															
Output per hour of all persons	40.7	44.4	46.4	47.9	51.0	54.9	61.9	67.0	75.5	88.7	100.0	113.6	126.5	153.5	188.7
Output per unit of capital	66.0	66.0	68.3	67.8	66.9	66.7	71.8	76.2	84.6	94.2	100.0	105.4	110.0	122.7	144.7
Multifactor productivity	61.1	65.1	67.1	68.7	70.4	72.2	75.5	78.6	86.0	94.3	100.0	107.4	110.5	122.0	135.0
Sector output	42.6	45.3	48.3	49.3	50.1	50.7	56.0	61.5	71.7	86.4	100.0	115.1	129.2	152.5	191.0
Hours of all persons at work	104.6	102.0	104.1	102.7	98.2	92.5	90.4	91.7	94.9	97.4	100.0	101.3	102.1	99.4	101.2
Capital services	64.6	68.6	70.7	72.7	74.9	76.1	78.0	80.7	84.7	91.7	100.0	109.2	117.5	124.3	132.0
Energy	77.7	87.5	88.5	90.8	92.1	90.8	89.8	95.2	97.8	102.6	100.0	107.9	106.9	103.6	110.8
Non-energy materials	47.2	46.0	48.6	47.8	48.7	50.2	57.6	64.7	70.4	83.8	100.0	110.7	140.7	167.5	228.7
Purchased business services	58.8	62.2	64.5	63.6	60.9	58.0	66.9	70.6	82.0	95.0	100.0	111.9	112.2	128.7	147.2
Combined units of all inputs	69.7	69.5	72.0	71.7	71.2	70.3	74.1	78.2	83.3	91.6	100.0	107.2	117.0	124.9	141.4
Transportation Equipment															
Output per hour of all persons	75.9	78.0	78.8	78.7	80.5	80.3	87.8	92.9	97.8	98.0	100.0	106.4	114.7	123.9	119.1
Output per unit of capital	94.6	93.2	95.8	94.2	91.0	84.5	90.2	94.2	100.6	100.8	100.0	107.0	109.4	115.4	105.2
Multifactor productivity	102.2	103.6	102.8	100.0	98.9	97.7	97.7	100.1	101.6	101.4	100.0	102.2	104.9	106.6	105.1
Sector output	81.6	83.2	88.1	88.2	86.4	81.0	86.5	90.5	97.2	98.3	100.0	111.1	120.0	131.4	122.6
Hours of all persons at work	107.5	106.7	111.9	112.1	107.4	101.0	98.6	97.4	99.3	100.3	100.0	104.4	104.7	106.0	103.0
Capital services	86.2	89.3	92.0	93.6	95.0	95.9	95.9	96.1	96.6	97.5	100.0	103.8	109.7	113.9	116.6
Energy	78.1	100.8	97.3	95.2	95.7	92.6	95.9	101.2	101.7	104.9	100.0	103.9	107.8	105.4	110.1
Non-energy materials	67.1	66.8	72.0	74.3	75.0	70.4	79.6	83.8	91.6	94.0	100.0	112.1	121.7	135.8	126.6
Purchased business services	66.7	71.4	81.3	90.7	91.1	91.4	102.1	100.8	105.5	102.5	100.0	107.5	108.2	118.5	103.2
Combined units of all inputs	79.8	80.3	85.7	88.2	87.4	83.0	88.5	90.4	95.6	96.9	100.0	108.7	114.4	123.3	116.7
Instruments															
Output per hour of all persons	68.7	73.5	74.0	74.3	77.4	80.6	87.1	88.2	91.5	95.5	100.0	99.1	103.6	108.3	116.5
Output per unit of capital	116.6	125.5	126.1	117.0	111.9	106.3	104.5	100.8	99.0	99.1	100.0	96.7	94.9	91.6	92.6
Multifactor productivity	91.4	94.6	98.3	95.8	98.1	98.1	99.1	97.9	98.9	99.2	100.0	98.0	98.7	98.3	101.9
Sector output	79.9	84.9	88.2	87.8	89.1	89.3	92.7	92.5	92.5	94.9	100.0	102.1	105.8	108.5	115.7
Hours of all persons at work	116.3	115.5	119.3	118.1	115.2	110.7	106.4	104.9	101.1	99.3	100.0	103.0	102.1	100.2	99.3
Capital services	68.5	67.7	70.0	75.0	79.6	84.0	88.7	91.8	93.4	95.7	100.0	105.6	111.5	118.4	125.0
Energy	102.0	96.3	100.1	99.7	104.2	100.6	99.4	100.5	99.2	104.5	100.0	99.0	84.1	74.6	73.3
Non-energy materials	66.3	69.8	67.1	70.1	70.7	73.6	80.3	82.1	83.4	89.5	100.0	106.9	116.6	127.8	137.1
Purchased business services	82.3	89.6	89.4	94.8	92.6	92.8	99.9	104.5	103.7	104.3	100.0	99.1	94.8	94.7	95.9
Combined units of all inputs	87.4	89.7	89.7	91.6	90.9	91.0	93.6	94.5	93.5	95.6	100.0	104.2	107.1	110.4	113.6
Miscellaneous Manufacturing															
Output per hour of all persons	85.5	89.3	90.3	87.6	90.9	89.9	90.6	92.1	90.9	97.3	100.0	97.0	99.9	104.4	112.0
Output per unit of capital	89.9	91.8	96.9	93.5	93.7	91.1	92.3	95.7	96.0	98.2	100.0	100.2	99.3	99.3	101.3
Multifactor productivity	97.7	99.7	103.1	101.5	100.6	97.0	94.9	95.3	96.4	99.3	100.0	100.1	99.5	101.7	104.9
Sector output	79.6	83.4	88.8	86.9	87.6	84.5	87.6	92.5	94.2	96.8	100.0	102.1	103.9	106.5	111.4
Hours of all persons at work	93.2	93.4	98.3	99.2	96.4	94.0	96.7	100.4	103.6	99.5	100.0	105.3	104.0	102.0	99.5
Capital services	88.6	90.9	91.7	93.0	93.4	92.7	94.9	96.7	98.1	98.6	100.0	101.9	104.6	107.2	110.0
Energy	73.4	90.1	91.9	94.4	95.6	93.3	84.7	95.6	96.2	107.9	100.0	97.6	102.5	97.0	101.6
Non-energy materials	69.8	71.2	72.6	71.3	76.2	79.4	87.8	94.4	93.7	95.1	100.0	99.9	107.1	110.1	114.1
Purchased business services	83.2	92.1	95.3	91.1	90.3	86.0	92.6	97.6	95.4	97.9	100.0	100.5	97.2	92.8	95.2
Combined units of all inputs	81.5	83.7	86.1	85.6	87.0	87.1	92.3	97.0	97.7	97.5	100.0	102.0	104.4	104.8	106.2

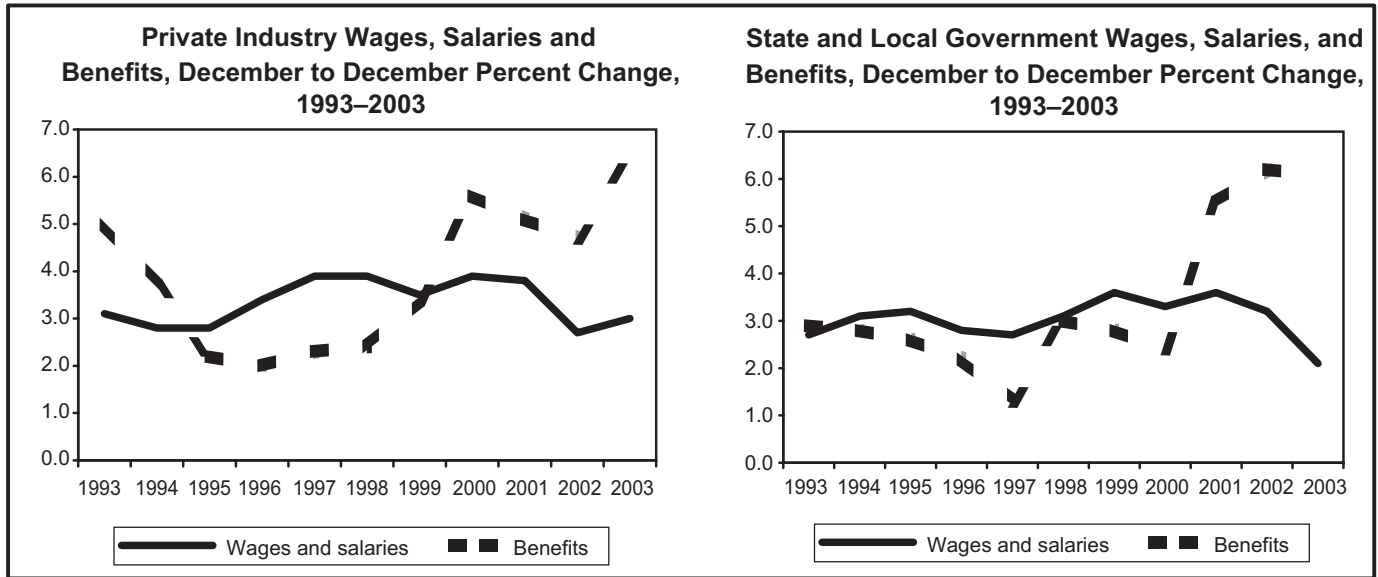
PART SIX

COMPENSATION OF EMPLOYEES

COMPENSATION OF EMPLOYEES

HIGHLIGHTS

This chapter covers the employment cost index (ECI), which shows the change in wages and salaries and benefits, employer costs for employee compensation (ECEC), employee participation in various benefit plans, and mean hourly earnings from the National Compensation Survey (NCS).



Private industry wages rose 3.0 percent in 2003. For state and local governments, the rate of wage change continued to slow from 3.2 percent to 2.1 percent. The change was substantial regarding benefits in the private industry; a 6.4 percent increase up from a 4.7 percent increase the previous year. That increase exceeded the state and local government benefits increase, which remained stable at 6.1 percent. (Tables 6-1, 6-2 and 6-3)

OTHER HIGHLIGHTS:

- Banking and other credit agencies exceeded all industries in wage and salary increase in 2003, 14.3 percent compared with the total private increase of 3 percent and more than double the 2002 increase for that industry. (Table 6-1)
- Many industries, including nursing homes, colleges and universities, and wholesale and retail trade experienced less than average wage and salary increases in 2003, in the 2-3 percent range. (Table 6-1)
- The benefit increases in almost all industries exceeded the wage increase by a wide margin. (Table 6-1 and Table 6-3)
- On a dollar basis, for private industry workers in goods producing industries, wages declined as a proportion of total compensation in 2003 from 67.7 percent to 66.7 percent. (Table 6-5 in the seventh and eighth editions)
- Similarly, for state and local government, the proportion of wages and salaries declined from 70.0 percent to 69.2 percent of total compensation and the benefit share rose from 30.0 percent to 30.8 percent. (Table 6-7 in the seventh and eighth editions)

NOTES AND DEFINITIONS

EMPLOYMENT COST INDEX

NOTE: The Employment Cost Index (ECI) is now part of the National Compensation Survey (NCS). The ECI is expected to convert to the North American Industry Classification System (NAICS) by the end of 2005. The Employer Costs for Employee Compensation (ECEC) converted to NAICS and the Standard Occupational Classification (SOC) System beginning with 2004 estimates.

Collection and Coverage

The ECI is a quarterly measure of the rate of change in compensation per hour worked and includes wages, salaries, and employer costs of employee benefits. It uses a fixed market basket of labor—similar in concept to the Consumer Price Index's fixed market basket of goods and services—to measure change over time in employer costs of employing labor.

Statistical series on total compensation costs, on wages and salaries, and on benefit costs are available for private nonfarm workers excluding proprietors, the self-employed, and household workers. The total compensation costs and wages and salaries series are also available for state and local government workers and for the civilian nonfarm economy, which consists of private industry and state and local government workers combined. Federal workers are excluded.

The ECI probability sample consists of about 9,800 private nonfarm establishments providing about 44,000 occupational observations and 1,000 state and local government establishments providing 6,000 occupational observations selected to represent total employment in each sector. On average, each reporting unit provides wage and compensation information on five well-specified occupations. The occupations are defined narrowly enough so that all workers in the job carry out the same task at roughly the same level of skill. Data are collected each quarter for the pay period including the 12th day of March, June, September, and December.

From June 1986 to March 1995 fixed employment weights from the 1980 Census of Population were used each quarter to calculate the civilian and private indexes and the index for state and local governments. In March 1995, 1990 employment counts were introduced. Prior to June 1986, the employment weights are from the 1970 Census of Population. These fixed weights, also used to derive all of the industry and occupation series indexes, ensure that changes in these indexes reflect only changes in compensation, not employment shifts among industries or occupations with different levels of wages and com-

ensation. For the bargaining status, region, and metropolitan/nonmetropolitan area series, however, employment data by industry and occupation are not available from the census. Instead, the 1980 employment weights are reallocated within these series each quarter based on the current sample. Therefore, these indexes are not strictly comparable to those for the aggregate, industry, and occupation series.

Concepts and Definitions

Total compensation costs include wages, salaries, and the employer's costs for employee benefits.

Wages and salaries consist of earnings before payroll deductions, including production bonuses, incentive earnings, commissions, and cost-of-living adjustments.

Benefits include the cost to employers for paid leave, supplemental pay (including nonproduction bonuses), insurance, retirement and savings plans, and legally required benefits (such as Social Security, workers' compensation, and unemployment insurance).

Excluded from wages and salaries and employee benefit costs are such items as payment-in-kind, free room and board, and tips.

Bonuses. In June 2000, the Bureau of Labor Statistics expanded the definition of nonproduction bonuses in the ECI to better represent the compensation packages offered to employees. In addition to the traditional types of nonproduction bonuses, such as attendance bonuses and lump sum payments, the ECI will include hiring and referral bonuses. Hiring bonuses are payments made by the employer to induce an individual to accept employment; referral bonuses are made by the employer to an employee for recommending an applicant who is hired by the establishment.

Costs per hours worked. The ECEC components are based on data from the ECI. Beginning with the March 2004 estimates, industry estimates are based on NAICS 2002 and the occupational categories are classified according to the 2000 SOC system. These systems replace the 1987 Standard Industrial Classification System (SIC) and the Occupational Classification System (OCS).

Current employment weights are used to calculate cost levels. The March 2004 cost levels were calculated using the March 2004 employment counts from the Bureau of Labor Statistics Current Employment Statistics (CES) program, benchmarked to the 2003 universe of all private nonfarm establishments.

Sources of Additional Information

Additional information on Employment Cost Index methodology and data is available in BLS news releases. The quarterly publication, *Compensation and Working Conditions*, contains articles on The National Compensation Survey and is available on the BLS Web site.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Private industry workers										
1989	98.8	100.0	101.2	102.3	4.8	99.0	100.0	101.2	102.0	4.1
1990	103.9	105.2	106.2	107.0	4.6	103.2	104.5	105.4	106.1	4.0
1991	108.5	109.8	111.0	111.7	4.4	107.3	108.4	109.3	110.0	3.7
1992	113.1	113.9	114.8	115.6	3.5	110.9	111.6	112.2	112.9	2.6
1993	117.1	118.0	119.1	119.8	3.6	113.9	114.6	115.7	116.4	3.1
1994	121.0	122.0	123.0	123.5	3.1	117.2	118.1	119.1	119.7	2.8
1995	124.5	125.4	126.2	126.7	2.6	120.6	121.5	122.4	123.1	2.8
1996	127.9	129.0	129.8	130.6	3.1	124.4	125.6	126.5	127.3	3.4
1997	131.7	132.8	133.9	135.1	3.4	128.6	129.7	131.0	132.3	3.9
1998	136.3	137.5	139.0	139.8	3.5	133.7	134.9	136.6	137.4	3.9
1999	140.4	142.0	143.3	144.6	3.4	138.1	139.7	141.0	142.2	3.5
2000	146.8	148.5	149.9	150.9	4.4	143.9	145.4	146.8	147.7	3.9
2001	153.0	154.5	155.9	157.2	4.2	149.4	150.9	152.1	153.3	3.8
2002	158.9	160.7	161.6	162.3	3.2	154.7	156.3	157.0	157.5	2.7
2003	165.0	166.4	168.1	168.8	4.0	159.3	160.4	161.7	162.3	3.0
Private industry workers, excluding sales occupations										
1989	99.0	100.0	101.2	102.1	4.5	99.1	100.0	101.1	101.9	4.0
1990	103.9	105.1	106.3	107.1	4.9	103.2	104.4	105.4	106.2	4.2
1991	108.6	109.8	111.1	112.0	4.6	107.4	108.4	109.4	110.2	3.8
1992	113.3	114.1	115.1	115.9	3.5	111.1	111.8	112.5	113.2	2.7
1993	117.5	118.5	119.5	120.2	3.7	114.2	115.0	115.9	116.6	3.0
1994	121.4	122.3	123.4	123.9	3.1	117.5	118.3	119.4	120.0	2.9
1995	125.0	125.7	126.5	127.1	2.6	121.0	121.8	122.6	123.4	2.8
1996	128.3	129.2	130.2	130.8	2.9	124.7	125.7	126.8	127.5	3.3
1997	131.9	133.0	134.1	135.2	3.4	128.6	129.9	131.2	132.4	3.8
1998	136.4	137.5	138.8	139.4	3.1	133.7	134.8	136.3	136.9	3.4
1999	140.5	141.9	143.2	144.5	3.7	138.2	139.6	140.8	142.0	3.7
2000	146.5	148.2	149.8	150.9	4.4	143.5	145.1	146.5	147.6	3.9
2001	153.0	154.4	156.0	157.2	4.2	149.5	150.8	152.2	153.3	3.9
2002	159.0	160.5	161.6	162.4	3.3	154.9	156.1	157.0	157.5	2.7
2003	165.1	166.6	168.1	169.0	4.1	159.4	160.5	161.7	162.4	3.1
WORKERS BY OCCUPATIONAL GROUP										
White-collar occupations										
1989	98.9	100.0	101.4	102.4	5.2	99.0	100.0	101.4	102.4	4.7
1990	104.1	105.5	106.7	107.4	4.9	103.6	104.9	106.0	106.6	4.1
1991	109.0	110.3	111.4	112.2	4.5	107.9	109.1	110.1	110.7	3.8
1992	113.4	114.2	115.1	115.9	3.3	111.7	112.3	112.9	113.7	2.7
1993	117.4	118.3	119.4	120.2	3.7	114.7	115.5	116.7	117.5	3.3
1994	121.5	122.5	123.5	124.1	3.2	118.3	119.3	120.2	120.8	2.8
1995	125.3	126.2	127.0	127.6	2.8	121.7	122.7	123.6	124.3	2.9
1996	129.0	130.0	131.1	131.7	3.2	125.8	127.0	128.0	128.7	3.5
1997	133.1	134.1	135.2	136.7	3.8	130.2	131.3	132.7	134.2	4.3
1998	138.1	139.4	141.1	142.0	3.9	135.7	137.0	139.0	139.9	4.2
1999	142.4	144.1	145.6	146.9	3.5	140.3	142.1	143.5	144.8	3.5
2000	149.3	151.1	152.6	153.6	4.6	146.6	148.3	149.7	150.6	4.0
2001	155.7	157.4	158.7	160.1	4.2	152.3	153.8	154.8	156.1	3.7
2002	161.9	163.8	164.6	165.2	3.2	157.7	159.4	160.0	160.4	2.8
2003	168.1	169.4	171.2	172.0	4.1	162.6	163.8	165.3	165.9	3.4
White-collar occupations, excluding sales occupations										
1989	99.0	100.0	101.3	102.2	4.8	99.2	100.0	101.2	102.1	4.2
1990	104.2	105.4	106.9	107.7	5.4	103.7	104.8	106.2	106.9	4.7
1991	109.2	110.4	111.8	112.7	4.6	108.2	109.2	110.5	111.3	4.1
1992	113.8	114.6	115.8	116.6	3.5	112.1	112.8	113.7	114.4	2.8
1993	118.3	119.2	120.2	121.0	3.8	115.7	116.4	117.4	118.2	3.3
1994	122.4	123.3	124.4	125.1	3.4	119.0	119.9	121.0	121.7	3.0
1995	126.3	127.0	127.8	128.6	2.8	122.8	123.4	124.3	125.2	2.9
1996	129.9	130.7	132.0	132.5	3.0	126.7	127.6	129.0	129.4	3.4
1997	133.7	134.8	135.9	137.4	3.7	130.8	132.0	133.4	134.8	4.2
1998	138.8	139.9	141.3	141.9	3.3	136.3	137.5	139.1	139.7	3.6
1999	143.0	144.5	146.0	147.3	3.8	141.0	142.5	143.9	145.2	3.9
2000	149.4	151.3	152.9	154.1	4.6	146.7	148.5	149.9	151.1	4.1
2001	156.5	158.1	159.6	160.9	4.4	153.0	154.4	155.7	156.9	3.8
2002	162.8	164.3	165.3	165.9	3.1	158.6	160.0	160.8	161.3	2.8
2003	169.1	170.4	172.1	173.0	4.3	163.6	164.8	166.2	167.0	3.5

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Professional specialty and technical occupations										
1989	99.0	100.0	101.8	102.9	5.5	99.3	100.0	101.6	102.5	4.7
1990	104.9	105.8	107.5	108.7	5.6	104.1	104.8	106.5	107.5	4.9
1991	110.1	111.1	112.8	113.9	4.8	108.6	109.5	111.1	112.0	4.2
1992	115.3	116.4	118.0	119.0	4.5	113.0	114.0	115.3	116.0	3.6
1993	120.4	121.3	122.2	122.9	3.3	117.1	117.9	118.9	119.5	3.0
1994	124.6	125.3	126.3	126.8	3.2	120.4	121.3	122.2	123.0	2.9
1995	127.7	128.4	129.3	129.9	2.4	123.7	124.4	125.3	126.1	2.5
1996	131.6	132.6	133.3	133.7	2.9	127.8	128.8	129.6	129.9	3.0
1997	134.6	135.9	136.7	137.8	3.1	131.0	132.4	133.7	134.8	3.8
1998	138.8	140.1	141.6	142.6	3.5	135.9	137.1	138.7	139.7	3.6
1999	142.9	144.1	145.2	146.7	2.9	140.7	141.8	142.6	144.1	3.1
2000	148.4	150.7	152.2	153.7	4.8	145.1	147.3	148.6	150.2	4.2
2001	156.3	157.5	159.2	160.3	4.3	152.1	153.2	154.8	155.9	3.8
2002	161.5	162.5	163.6	164.4	2.6	156.7	157.4	158.2	158.5	1.7
2003	166.5	167.7	169.4	170.5	3.7	159.5	160.5	162.1	163.0	2.8
Executive, administrative, and managerial occupations										
1989	99.1	100.0	100.9	101.5	3.8	99.3	100.0	100.8	101.5	3.6
1990	103.7	105.3	106.6	107.2	5.6	103.3	104.9	106.2	106.9	5.3
1991	108.9	110.3	111.5	112.3	4.8	108.2	109.4	110.6	111.4	4.2
1992	112.7	113.1	113.9	114.5	2.0	111.6	112.0	112.5	113.2	1.6
1993	116.5	117.2	118.1	118.9	3.8	114.7	115.3	116.2	117.0	3.4
1994	120.3	121.3	122.6	123.3	3.7	117.8	118.8	120.0	120.5	3.0
1995	124.9	125.4	126.2	126.9	2.9	121.9	122.5	123.4	124.4	3.2
1996	128.0	128.8	130.9	131.3	3.5	125.9	126.8	128.9	129.3	3.9
1997	133.0	133.9	135.2	137.4	4.6	131.0	132.1	133.6	135.8	5.0
1998	139.4	140.0	141.9	141.8	3.2	137.8	138.7	140.9	140.5	3.5
1999	143.7	145.8	147.7	149.1	5.1	141.9	144.3	146.4	147.6	5.1
2000	151.1	152.7	154.4	155.3	4.2	149.2	150.7	152.3	153.0	3.7
2001	157.3	159.4	160.2	161.8	4.2	154.7	156.5	157.2	158.6	3.7
2002	164.4	166.6	167.0	167.2	3.3	161.3	163.6	164.3	164.5	3.7
2003	172.1	173.1	175.0	175.9	5.2	169.1	170.3	171.8	172.5	4.9
Sales occupations										
1989	98.3	100.0	101.9	103.3	7.3	98.6	100.0	102.1	103.7	7.0
1990	103.6	105.6	105.9	106.0	2.6	103.3	105.3	105.4	105.2	1.4
1991	108.0	109.8	109.8	109.6	3.4	106.8	108.5	108.2	107.9	2.6
1992	111.6	112.2	111.8	112.6	2.7	109.7	110.1	109.7	110.7	2.6
1993	112.9	113.8	115.6	116.5	3.5	110.5	111.6	113.8	114.7	3.6
1994	117.2	118.8	119.2	119.6	2.7	114.8	116.2	116.5	116.7	1.7
1995	120.2	122.4	123.2	123.2	3.0	116.9	119.3	120.5	120.4	3.2
1996	124.8	126.9	126.7	128.1	4.0	122.0	124.4	123.9	125.9	4.6
1997	130.1	130.7	132.2	133.5	4.2	127.8	128.3	129.8	131.4	4.4
1998	135.3	137.3	140.4	142.6	6.8	133.1	135.2	138.8	141.3	7.5
1999	139.6	142.6	144.1	145.3	1.9	137.3	140.5	142.1	143.3	1.4
2000	148.9	150.3	151.2	151.4	4.2	146.7	147.9	149.0	148.7	3.8
2001	152.3	154.5	155.0	156.7	3.5	149.2	151.5	151.2	152.6	2.6
2002	157.7	161.6	161.6	161.9	3.3	153.6	157.0	156.9	156.8	2.8
2003	163.5	165.1	167.2	167.1	3.2	158.1	159.3	161.6	161.1	2.7
Administrative support occupations, including clerical occupations										
1989	98.9	100.0	101.2	102.3	5.1	99.1	100.0	101.1	102.2	4.5
1990	104.2	105.3	106.4	107.3	4.9	103.6	104.7	105.7	106.4	4.1
1991	108.6	109.9	111.0	111.9	4.3	107.6	108.6	109.6	110.4	3.8
1992	113.6	114.4	115.5	116.4	4.0	111.6	112.4	113.2	114.0	3.3
1993	118.1	119.2	120.3	121.2	4.1	115.2	116.1	117.1	118.0	3.5
1994	122.5	123.5	124.5	125.1	3.2	119.0	119.9	120.9	121.6	3.1
1995	126.5	127.3	128.1	129.0	3.1	122.9	123.5	124.3	125.3	3.0
1996	130.1	130.8	132.0	132.5	2.7	126.5	127.3	128.5	129.2	3.1
1997	133.7	134.7	135.9	137.0	3.4	130.6	131.7	132.9	133.9	3.6
1998	138.2	139.6	140.6	141.4	3.2	135.3	136.7	137.9	138.9	3.7
1999	142.6	143.7	145.0	146.2	3.4	140.4	141.4	142.7	143.8	3.5
2000	149.0	150.6	152.3	153.4	4.9	146.0	147.5	149.1	150.1	4.4
2001	156.1	157.7	159.5	160.8	4.8	152.3	153.6	155.3	156.5	4.3
2002	162.8	164.2	165.6	166.7	3.7	158.2	159.2	160.3	161.3	3.1
2003	169.0	170.9	172.3	173.1	3.8	162.6	164.0	165.1	165.7	2.7

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Blue-collar occupations										
1989	98.8	100.0	101.1	101.9	4.1	99.0	100.0	101.0	101.6	3.5
1990	103.5	104.7	105.6	106.4	4.4	102.7	103.8	104.6	105.2	3.5
1991	107.9	109.0	110.2	111.0	4.3	106.4	107.3	108.0	108.8	3.4
1992	112.5	113.4	114.3	115.0	3.6	109.7	110.4	111.1	111.6	2.6
1993	116.6	117.7	118.7	119.3	3.7	112.5	113.2	114.1	114.8	2.9
1994	120.3	121.2	122.3	122.6	2.8	115.6	116.5	117.5	118.0	2.8
1995	123.5	124.4	125.1	125.6	2.4	119.0	120.1	120.8	121.4	2.9
1996	126.6	127.6	128.1	129.0	2.7	122.5	123.7	124.3	125.1	3.0
1997	129.6	130.8	131.7	132.3	2.6	126.0	127.3	128.3	129.1	3.2
1998	133.1	134.3	135.2	135.9	2.7	130.2	131.3	132.4	133.2	3.2
1999	136.9	138.2	139.4	140.5	3.3	134.3	135.6	136.8	137.7	3.4
2000	142.6	144.1	145.5	146.4	4.2	139.1	140.5	141.9	142.8	3.7
2001	148.2	149.3	151.0	151.9	3.8	144.6	145.9	147.5	148.3	3.9
2002	153.6	155.1	156.3	157.3	3.6	149.6	150.9	151.7	152.4	2.8
2003	159.7	161.4	162.8	163.6	4.0	153.6	154.6	155.6	156.1	2.4
Precision production, craft, and repair occupations										
1989	98.7	100.0	101.2	102.0	4.1	98.8	100.0	101.0	101.6	3.8
1990	103.4	104.7	105.6	106.2	4.1	102.5	103.6	104.4	104.9	3.2
1991	108.0	109.2	110.5	111.0	4.5	106.3	107.0	107.8	108.4	3.3
1992	112.2	113.1	114.3	115.0	3.6	109.3	110.1	111.0	111.5	2.9
1993	116.6	117.6	118.7	118.9	3.4	112.4	113.2	114.2	114.7	2.9
1994	120.2	121.2	122.5	122.5	3.0	115.5	116.5	117.8	117.9	2.8
1995	123.4	124.4	125.4	125.7	2.6	118.8	119.9	121.0	121.4	3.0
1996	126.5	127.7	128.2	129.1	2.7	122.4	123.7	124.2	125.1	3.0
1997	129.6	130.9	131.7	131.9	2.2	125.8	127.4	128.2	128.7	2.9
1998	132.9	134.4	135.4	136.1	3.2	129.8	131.2	132.3	133.0	3.3
1999	137.2	138.4	139.6	140.6	3.3	134.3	135.6	136.7	137.5	3.4
2000	142.3	144.1	145.8	146.7	4.3	138.9	140.6	142.0	142.8	3.9
2001	148.7	149.7	151.8	152.5	4.0	144.6	145.7	147.7	148.4	3.9
2002	153.7	155.7	156.9	157.8	3.5	149.2	151.0	151.8	152.3	2.6
2003	160.0	162.0	163.1	164.2	4.1	153.4	154.7	155.5	156.2	2.6
Machine operators, assemblers, and inspectors										
1989	98.9	100.0	100.9	101.8	4.3	99.0	100.0	100.6	101.6	3.6
1990	103.7	105.0	105.9	106.9	5.0	103.0	104.2	104.9	105.8	4.1
1991	108.3	109.4	110.5	111.6	4.4	107.1	108.0	108.7	109.8	3.8
1992	113.9	114.6	115.0	115.8	3.8	110.9	111.6	111.7	112.4	2.4
1993	117.8	119.0	120.0	120.8	4.3	113.2	113.8	114.7	115.6	2.8
1994	121.3	122.2	122.9	123.4	2.2	116.2	117.2	118.0	118.8	2.8
1995	124.2	124.8	125.1	126.2	2.3	119.6	120.9	121.4	122.3	2.9
1996	127.1	128.1	128.7	129.5	2.6	123.4	124.5	125.4	126.4	3.4
1997	130.0	131.2	132.2	133.0	2.7	127.2	128.5	129.5	130.6	3.3
1998	133.6	134.7	135.7	136.8	2.9	131.6	132.7	133.8	134.9	3.3
1999	137.3	138.4	139.9	141.4	3.4	135.7	136.7	138.3	139.5	3.4
2000	144.0	145.0	146.0	146.8	3.8	140.7	141.6	142.9	143.7	3.0
2001	148.3	149.1	150.4	151.5	3.2	145.6	146.9	148.1	149.0	3.7
2002	153.6	154.7	155.4	156.7	3.4	150.5	151.6	152.0	153.2	2.8
2003	159.9	161.1	162.6	163.2	4.1	154.7	155.3	156.8	156.9	2.4
Transportation and material moving occupations										
1989	99.0	100.0	101.2	101.4	3.3	99.3	100.0	101.2	101.2	2.6
1990	103.1	104.3	104.9	105.5	4.0	102.0	103.1	103.6	104.1	2.9
1991	106.3	107.6	108.3	109.0	3.3	104.5	105.6	106.1	106.7	2.5
1992	110.4	111.4	112.5	113.0	3.7	107.4	108.3	109.3	109.7	2.8
1993	113.9	115.2	115.9	117.0	3.5	110.0	111.2	111.7	112.6	2.6
1994	118.5	119.1	120.3	120.6	3.1	113.5	114.0	115.2	115.6	2.7
1995	121.8	122.4	122.9	123.0	2.0	117.0	117.8	118.5	118.6	2.6
1996	123.9	124.7	124.9	125.2	1.8	120.0	120.6	121.0	121.1	2.1
1997	126.1	126.8	128.0	128.9	3.0	122.3	123.0	124.1	125.1	3.3
1998	129.3	129.9	130.7	130.7	1.4	125.9	126.4	127.6	127.8	2.2
1999	131.6	133.6	134.4	135.2	3.4	129.1	131.0	131.9	132.7	3.8
2000	137.5	138.6	139.9	141.1	4.4	134.1	135.2	136.5	137.6	3.7
2001	142.6	143.9	145.6	146.3	3.7	139.5	140.7	142.1	142.8	3.8
2002	148.7	149.6	151.0	151.8	3.8	144.8	145.2	146.3	146.9	2.9
2003	153.2	155.1	156.7	156.9	3.4	147.8	149.0	149.8	149.8	2.0

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Handlers, equipment cleaners, helpers, and laborers										
1989	98.8	100.0	101.3	102.2	4.6	99.1	100.0	101.1	102.0	3.8
1990	103.6	104.7	105.7	106.7	4.4	103.0	104.4	105.3	106.2	4.1
1991	108.1	109.3	110.4	111.4	4.4	107.3	108.5	109.2	109.9	3.5
1992	112.6	113.4	114.6	115.3	3.5	110.6	111.3	112.1	112.6	2.5
1993	116.8	117.6	118.4	119.1	3.3	113.6	114.3	114.9	115.7	2.8
1994	120.2	121.4	122.7	122.9	3.2	116.6	117.3	117.9	118.9	2.8
1995	124.1	125.3	125.9	126.8	3.2	120.1	121.2	121.5	122.6	3.1
1996	128.5	129.3	130.0	131.3	3.5	124.2	125.1	125.8	127.1	3.7
1997	132.8	133.4	134.2	135.8	3.4	128.4	129.3	130.2	131.8	3.7
1998	137.0	137.6	138.5	139.2	2.5	133.2	133.7	135.1	135.8	3.0
1999	141.0	142.3	143.2	144.4	3.7	137.3	138.3	139.4	140.4	3.4
2000	146.4	148.1	149.4	150.4	4.2	141.8	143.6	145.0	146.2	4.1
2001	152.2	153.4	154.9	156.5	4.1	148.0	149.8	151.0	152.4	4.2
2002	158.7	159.9	161.4	162.9	4.1	154.2	155.1	156.0	157.2	3.1
2003	164.9	166.8	168.6	169.5	4.1	158.4	159.0	159.9	160.6	2.2
Service occupations										
1989	99.2	100.0	101.1	102.5	4.4	99.4	100.0	100.9	102.3	3.6
1990	103.9	104.9	105.7	107.3	4.7	103.1	104.2	104.9	106.4	4.0
1991	108.3	109.9	111.5	112.4	4.8	106.9	108.3	109.8	110.6	3.9
1992	113.5	114.2	115.4	115.9	3.1	111.2	111.6	112.5	112.9	2.1
1993	117.2	118.0	118.9	119.5	3.1	113.5	114.1	114.9	115.3	2.1
1994	120.6	121.0	121.8	122.9	2.8	116.3	116.8	117.6	118.8	3.0
1995	123.4	124.0	124.7	125.2	1.9	119.4	120.0	120.8	121.4	2.2
1996	125.8	126.5	127.4	128.9	3.0	122.2	123.0	124.1	125.7	3.5
1997	129.8	130.9	133.1	134.1	4.0	126.6	127.6	129.9	131.1	4.3
1998	135.3	136.0	137.3	138.0	2.9	132.1	133.0	134.4	135.3	3.2
1999	139.5	140.6	141.0	142.6	3.3	136.7	137.8	138.0	139.6	3.2
2000	143.9	145.4	146.6	148.1	3.9	141.0	142.5	143.5	144.9	3.8
2001	150.0	151.3	152.6	154.8	4.5	146.4	147.5	148.7	150.6	3.9
2002	156.4	157.4	159.0	159.8	3.2	152.0	152.8	153.9	154.5	2.6
2003	161.7	162.6	163.8	164.9	3.2	155.5	156.1	157.1	157.8	2.1
Production and nonsupervisory occupations										
1989	98.8	100.0	101.4	102.4	5.0	99.0	100.0	101.3	102.2	4.4
1990	103.8	105.1	106.0	106.9	4.4	103.2	104.3	105.2	105.9	3.6
1991	108.4	109.6	110.8	111.5	4.3	107.0	108.1	109.0	109.6	3.5
1992	113.0	113.8	114.8	115.5	3.6	110.6	111.3	112.0	112.6	2.7
1993	116.9	117.9	119.0	119.7	3.6	113.4	114.2	115.3	115.9	2.9
1994	120.7	121.6	122.6	123.1	2.8	116.6	117.5	118.5	119.1	2.8
1995	124.1	125.0	125.8	126.3	2.6	119.9	121.0	121.8	122.4	2.8
1996	127.5	128.6	129.2	130.0	2.9	123.7	124.9	125.6	126.5	3.3
1997	131.1	132.1	133.2	134.2	3.2	127.7	128.8	130.1	131.2	3.7
1998	135.3	136.6	138.0	139.0	3.6	132.3	133.6	135.2	136.4	4.0
1999	139.3	140.8	141.9	143.1	2.9	136.8	138.2	139.3	140.4	2.9
2000	145.3	146.9	148.4	149.5	4.5	142.1	143.7	145.0	146.0	4.0
2001	151.4	152.7	154.3	155.5	4.0	147.7	149.0	150.3	151.5	3.8
2002	157.1	158.7	160.5	160.5	3.2	152.7	154.0	154.7	155.2	2.4
2003	162.6	164.1	165.7	166.6	3.8	156.4	157.4	158.8	159.4	2.7
WORKERS BY INDUSTRY DIVISION										
Goods-producing industries²										
1989	98.9	100.0	101.1	102.1	4.3	99.1	100.0	101.0	102.0	3.9
1990	103.9	105.2	106.2	107.0	4.8	103.1	104.2	105.1	105.8	3.7
1991	108.5	109.8	111.0	111.9	4.6	107.0	108.0	108.7	109.7	3.7
1992	113.5	114.3	115.3	116.1	3.8	110.7	111.4	112.1	112.8	2.8
1993	118.0	119.1	119.9	120.6	3.9	113.8	114.5	115.3	116.1	2.9
1994	121.8	123.0	123.9	124.3	3.1	116.9	118.0	118.9	119.6	3.0
1995	125.3	125.9	126.5	127.3	2.4	120.4	121.4	122.1	122.9	2.8
1996	128.2	129.3	130.1	130.9	2.8	123.9	125.1	126.1	126.8	3.2
1997	131.4	132.7	133.6	134.1	2.4	127.5	128.9	129.9	130.6	3.0
1998	135.1	136.2	137.1	137.8	2.8	132.0	133.2	134.3	135.2	3.5
1999	138.9	139.9	141.1	142.5	3.4	136.3	137.3	138.5	139.7	3.3
2000	144.8	146.6	147.9	148.8	4.4	141.3	143.0	144.3	145.2	3.9
2001	150.7	152.1	153.1	154.4	3.8	147.0	148.6	149.5	150.5	3.7
2002	156.2	157.6	158.6	160.1	3.7	151.7	153.1	153.9	155.0	3.0
2003	163.0	164.5	165.7	166.5	4.0	156.3	157.4	158.3	158.7	2.4

¹Excludes farm and household workers.²Includes mining, construction, and manufacturing.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Goods-producing industries, excluding sales occupations										
1989	98.9	100.0	101.1	102.2	4.4	99.1	100.0	101.0	102.0	3.9
1990	103.9	105.1	106.1	107.0	4.7	103.0	104.2	105.0	105.7	3.6
1991	108.4	109.8	110.9	111.8	4.5	106.9	107.9	108.7	109.7	3.8
1992	113.4	114.1	115.2	115.9	3.7	110.5	111.2	112.0	112.6	2.6
1993	117.8	118.8	119.6	120.1	3.6	113.5	114.2	114.9	115.6	2.7
1994	121.4	122.5	123.5	124.0	3.2	116.4	117.4	118.4	119.1	3.0
1995	124.9	125.6	126.1	127.0	2.4	119.9	120.9	121.6	122.4	2.8
1996	128.0	129.0	129.8	130.5	2.8	123.5	124.6	125.7	126.3	3.2
1997	131.1	132.3	133.1	133.6	2.4	127.0	128.3	129.3	130.0	2.9
1998	134.5	135.6	136.5	137.2	2.7	131.3	132.5	133.6	134.4	3.4
1999	138.3	139.3	140.5	141.8	3.3	135.5	136.6	137.8	138.9	3.3
2000	144.2	145.9	147.2	148.2	4.5	140.5	142.1	143.4	144.6	4.1
2001	150.1	151.5	152.5	153.7	3.7	146.3	147.8	148.7	149.7	3.5
2002	155.5	156.9	157.9	159.2	3.6	150.9	152.2	153.0	154.0	2.9
2003	162.4	163.8	165.0	165.9	4.2	155.4	156.5	157.4	158.0	2.6
Goods-producing industries, white-collar occupations										
1989	99.0	100.0	101.2	101.9	4.2	99.2	100.0	101.0	101.9	3.7
1990	104.1	105.3	106.7	107.4	5.4	103.5	104.6	105.7	106.3	4.3
1991	108.8	110.1	111.2	112.3	4.6	107.4	108.5	109.5	110.4	3.9
1992	113.6	114.5	115.5	116.7	3.9	111.7	112.5	113.2	114.2	3.4
1993	118.6	119.6	120.5	121.1	3.8	115.4	116.4	117.3	118.2	3.5
1994	123.0	124.3	125.1	125.9	4.0	119.1	120.3	121.1	122.0	3.2
1995	127.2	127.6	128.1	129.0	2.5	123.0	123.8	124.4	125.3	2.7
1996	130.0	131.0	132.2	132.9	3.0	126.2	127.3	128.6	129.1	3.0
1997	133.5	134.8	135.6	136.2	2.5	130.0	131.4	132.3	132.9	2.9
1998	137.7	138.8	139.7	140.2	2.9	135.0	136.3	137.4	138.2	4.0
1999	141.7	142.7	143.9	145.5	3.7	139.4	140.5	141.7	143.0	3.5
2000	148.1	150.1	151.3	151.9	4.4	145.0	146.8	147.9	148.7	4.0
2001	154.5	156.5	156.8	158.1	4.1	150.5	152.3	152.6	153.6	3.3
2002	160.1	161.9	162.9	164.3	3.9	155.0	156.6	157.5	158.6	3.3
2003	167.8	169.2	170.1	170.5	3.8	160.0	161.4	161.9	162.1	2.2
Goods-producing industries, white-collar occupations, excluding sales occupations										
1989	99.0	100.0	101.2	102.0	4.4	99.2	100.0	101.0	102.0	3.9
1990	103.9	105.2	106.4	107.1	5.0	103.3	104.4	105.6	106.2	4.1
1991	108.5	110.0	111.1	112.2	4.8	107.2	108.5	109.5	110.5	4.0
1992	113.2	113.9	115.1	116.2	3.6	111.3	112.0	112.9	113.7	2.9
1993	118.1	119.0	119.7	119.9	3.2	114.9	115.6	116.4	116.8	2.7
1994	121.9	123.2	124.1	125.0	4.3	117.7	118.8	119.8	120.8	3.4
1995	126.2	126.7	127.2	128.2	2.6	121.8	122.5	123.2	124.2	2.8
1996	129.4	130.2	131.5	132.1	3.0	125.3	126.3	127.7	128.1	3.1
1997	132.6	133.8	134.5	135.0	2.2	128.9	130.0	130.9	131.6	2.7
1998	136.3	137.4	138.3	138.8	2.8	133.3	134.6	135.7	136.4	3.6
1999	140.4	141.3	142.5	143.9	3.7	137.8	138.8	140.1	141.3	3.6
2000	146.5	148.4	149.6	150.5	4.6	143.2	144.9	146.0	147.2	4.2
2001	153.0	155.0	155.3	156.5	4.0	148.9	150.5	150.8	151.7	3.1
2002	158.4	160.2	161.1	162.3	3.7	152.9	154.5	155.4	156.3	3.0
2003	166.3	167.5	168.5	169.2	4.3	158.0	159.2	159.9	160.4	2.6
Goods-producing industries, blue-collar occupations										
1989	98.9	100.0	101.1	102.3	4.4	99.0	100.0	101.0	101.9	3.9
1990	103.9	105.1	106.0	106.9	4.5	102.9	104.1	104.7	105.5	3.5
1991	108.4	109.7	110.8	111.6	4.4	106.8	107.6	108.3	109.2	3.5
1992	113.4	114.1	115.1	115.8	3.8	110.1	110.7	111.4	111.9	2.5
1993	117.6	118.7	119.6	120.2	3.8	112.8	113.4	114.1	114.9	2.7
1994	121.1	122.2	123.1	123.4	2.7	115.6	116.6	117.5	118.1	2.8
1995	124.1	124.9	125.5	126.3	2.4	118.8	119.9	120.7	121.4	2.8
1996	127.1	128.3	128.9	129.6	2.6	122.4	123.7	124.5	125.3	3.2
1997	130.2	131.4	132.4	132.8	2.5	126.0	127.3	128.4	129.2	3.1
1998	133.5	134.6	135.5	136.3	2.6	130.1	131.3	132.3	133.3	3.2
1999	137.1	138.3	139.4	140.7	3.2	134.3	135.4	136.6	137.6	3.2
2000	142.8	144.4	145.8	146.8	4.3	139.0	140.5	142.0	143.1	4.0
2001	148.2	149.3	150.8	151.9	3.5	144.7	146.1	147.4	148.4	3.7
2002	153.6	154.8	155.9	157.3	3.6	149.6	150.7	151.5	152.6	2.8
2003	159.9	161.5	162.9	163.9	4.2	153.8	154.8	155.9	156.4	2.5

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Construction										
1989	99.0	100.0	101.2	102.4	4.5	99.1	100.0	101.1	101.7	3.5
1990	103.1	104.3	105.2	105.6	3.1	102.0	102.9	103.5	103.7	2.0
1991	107.4	108.5	109.3	109.9	4.1	105.1	105.9	106.3	106.8	3.0
1992	110.6	111.7	113.1	113.8	3.5	107.2	107.9	108.7	108.9	2.0
1993	114.9	116.0	116.8	116.5	2.4	109.5	110.4	111.3	111.1	2.0
1994	118.6	120.2	121.4	120.8	3.7	112.2	113.6	114.6	114.7	3.2
1995	121.1	122.0	123.1	123.4	2.2	114.8	115.7	116.8	117.4	2.4
1996	124.3	125.3	125.9	126.4	2.4	118.3	119.6	120.4	120.8	2.9
1997	127.2	128.7	129.7	129.7	2.6	122.0	123.6	124.7	124.9	3.4
1998	130.6	132.7	133.4	134.3	3.5	126.0	128.1	128.5	129.3	3.5
1999	135.6	136.9	137.9	138.7	3.3	130.7	131.9	133.0	133.6	3.3
2000	140.8	143.2	145.1	146.7	5.8	136.0	138.0	139.4	140.7	5.3
2001	148.2	150.3	151.7	153.0	4.3	142.1	143.9	145.1	146.3	4.0
2002	154.1	155.2	156.3	157.9	3.2	147.0	148.2	149.0	150.2	2.7
2003	159.1	161.1	162.3	163.3	3.4	150.6	152.4	153.6	154.0	2.5
Manufacturing										
1989	98.9	100.0	101.1	102.0	4.5	99.0	100.0	100.9	101.9	3.9
1990	104.0	105.3	106.4	107.2	5.1	103.3	104.5	105.4	106.2	4.2
1991	108.6	110.0	111.2	112.2	4.7	107.4	108.4	109.3	110.3	3.9
1992	114.0	114.7	115.7	116.5	3.8	111.5	112.2	112.9	113.7	3.1
1993	118.6	119.7	120.6	121.3	4.1	114.7	115.5	116.3	117.3	3.2
1994	122.5	123.5	124.4	125.1	3.1	118.0	119.0	120.0	120.8	3.0
1995	126.2	126.9	127.3	128.3	2.6	121.9	122.9	123.5	124.3	2.9
1996	129.3	130.4	131.3	132.1	3.0	125.4	126.5	127.7	128.4	3.3
1997	132.6	133.8	134.6	135.3	2.4	129.1	130.3	131.3	132.2	3.0
1998	136.4	137.2	138.2	138.9	2.7	133.7	134.6	136.0	136.8	3.5
1999	139.9	140.9	142.1	143.6	3.4	137.9	139.0	140.2	141.5	3.4
2000	146.0	147.5	148.7	149.3	4.0	142.9	144.4	145.7	146.5	3.5
2001	151.3	152.6	153.3	154.6	3.5	148.5	150.0	150.7	151.7	3.5
2002	156.6	158.1	159.1	160.5	3.8	153.1	154.5	155.4	156.5	3.2
2003	164.0	165.4	166.5	167.1	4.1	158.0	159.0	159.7	160.1	2.3
Manufacturing, white-collar occupations										
1989	99.0	100.0	101.1	101.9	4.3	99.2	100.0	100.9	101.8	3.7
1990	104.1	105.3	106.8	107.4	5.4	103.7	104.7	105.9	106.4	4.5
1991	108.8	110.2	111.3	112.4	4.7	107.6	108.8	109.8	110.7	4.0
1992	113.6	114.6	115.5	116.6	3.7	111.9	112.9	113.6	114.6	3.5
1993	118.7	119.7	120.5	121.3	4.0	116.0	116.9	117.7	118.8	3.7
1994	122.7	123.9	124.9	126.0	3.9	119.5	120.6	121.7	122.7	3.3
1995	127.4	128.0	128.7	129.5	2.8	123.9	124.7	125.3	126.1	2.8
1996	130.5	131.6	132.8	133.6	3.2	127.1	128.2	129.6	130.1	3.2
1997	133.9	135.2	135.8	136.7	2.3	130.6	131.9	132.8	133.6	2.7
1998	138.2	139.1	140.1	140.5	2.8	135.6	136.8	138.3	139.0	4.0
1999	141.8	143.0	144.3	145.8	3.8	140.1	141.4	142.7	144.0	3.6
2000	148.2	150.2	151.4	151.5	3.9	145.8	147.7	148.7	149.2	3.6
2001	154.2	156.0	156.0	156.9	3.6	151.1	152.7	152.8	153.3	2.7
2002	159.1	161.1	162.2	163.3	4.1	154.9	156.6	157.7	158.6	3.5
2003	167.1	168.7	169.5	169.6	3.9	160.1	161.6	162.0	162.1	2.2
Manufacturing, white-collar occupations, excluding sales occupations										
1989	99.0	100.0	101.1	101.9	4.3	99.1	100.0	100.9	101.9	4.0
1990	104.0	105.1	106.4	107.0	5.0	103.4	104.4	105.6	106.2	4.2
1991	108.3	109.9	111.1	112.2	4.9	107.2	108.6	109.7	110.7	4.2
1992	113.0	113.8	115.0	115.9	3.3	111.4	112.2	113.0	114.0	3.0
1993	118.0	118.8	119.5	119.9	3.5	115.3	115.9	116.7	117.2	2.8
1994	121.3	122.5	123.6	124.9	4.2	118.0	119.1	120.2	121.4	3.6
1995	126.1	126.6	127.4	128.3	2.7	122.4	123.2	123.9	124.8	2.8
1996	129.5	130.5	131.8	132.5	3.3	126.0	127.0	128.4	128.9	3.3
1997	132.8	133.8	134.5	135.3	2.1	129.3	130.5	131.3	132.2	2.6
1998	136.5	137.3	138.3	138.7	2.5	133.8	135.0	136.3	137.1	3.7
1999	140.1	141.3	142.5	143.8	3.7	138.3	139.6	140.8	142.0	3.6
2000	146.2	148.2	149.3	149.7	4.1	143.7	145.6	146.6	147.5	3.9
2001	152.2	154.0	153.8	154.7	3.3	149.1	150.5	150.5	151.0	2.4
2002	156.7	158.6	159.6	160.7	3.9	152.3	153.9	155.0	155.9	3.2
2003	165.1	166.4	167.4	167.8	4.4	157.7	158.9	159.5	160.0	2.6

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Manufacturing, blue-collar occupations										
1989	98.8	100.0	101.1	102.1	4.6	98.9	100.0	100.9	102.0	4.0
1990	104.0	105.2	106.2	107.2	5.0	103.1	104.4	105.1	106.1	4.0
1991	108.5	109.8	111.1	112.0	4.5	107.3	108.2	109.0	110.0	3.7
1992	114.2	114.8	115.7	116.4	3.9	111.1	111.7	112.4	113.1	2.8
1993	118.5	119.6	120.5	121.3	4.2	113.9	114.5	115.2	116.2	2.7
1994	122.3	123.2	124.0	124.5	2.6	116.9	117.8	118.7	119.5	2.8
1995	125.3	126.0	126.3	127.5	2.4	120.4	121.6	122.2	123.1	3.0
1996	128.4	129.5	130.2	131.1	2.8	124.2	125.4	126.3	127.3	3.4
1997	131.7	132.8	133.7	134.3	2.4	128.0	129.2	130.2	131.2	3.1
1998	135.0	135.9	136.8	137.7	2.5	132.3	133.1	134.3	135.3	3.1
1999	138.5	139.4	140.5	142.1	3.2	136.3	137.2	138.4	139.7	3.3
2000	144.4	145.6	146.7	147.8	4.0	140.8	142.0	143.4	144.6	3.5
2001	149.1	150.0	151.3	152.7	3.3	146.4	147.8	149.1	150.3	3.9
2002	154.6	155.8	156.7	158.3	3.7	151.7	152.8	153.5	154.7	2.9
2003	161.6	162.8	164.1	165.1	4.3	156.3	156.9	157.9	158.5	2.5
Manufacturing, durable goods										
1989	99.0	100.0	101.1	102.2	4.6	99.0	100.0	100.7	101.9	4.0
1990	104.0	105.1	106.3	107.2	4.9	103.2	104.3	105.3	106.1	4.1
1991	108.5	109.9	111.2	112.1	4.6	107.3	108.3	109.2	110.2	3.9
1992	114.1	114.8	115.8	116.7	4.1	111.2	111.8	112.7	113.4	2.9
1993	119.0	120.0	121.0	121.9	4.5	114.4	115.1	115.9	117.2	3.4
1994	122.9	123.8	125.1	125.8	3.2	117.8	118.7	119.8	120.8	3.1
1995	127.0	127.7	128.2	129.0	2.5	121.9	122.9	123.6	124.3	2.9
1996	129.7	131.2	131.9	132.6	2.8	125.1	126.5	127.7	128.4	3.3
1997	133.0	134.1	135.0	135.7	2.3	129.0	130.1	131.2	131.9	2.7
1998	136.5	137.4	138.5	139.2	2.6	133.4	134.5	135.9	136.9	3.8
1999	139.9	141.0	142.3	144.0	3.4	137.9	139.1	140.4	141.8	3.6
2000	146.5	148.3	149.4	150.1	4.2	143.0	144.7	146.1	147.3	3.9
2001	151.8	153.1	154.0	155.3	3.5	149.0	150.5	151.5	152.6	3.6
2002	156.9	158.3	158.9	160.6	3.4	153.9	155.3	156.0	157.3	3.1
2003	164.4	165.5	166.6	167.3	4.2	158.8	159.7	160.6	160.9	2.3
Aircraft manufacturing (SIC 3721)										
1989	99.2	100.0	101.0	103.6	4.9	99.4	100.0	100.6	102.2	3.4
1990	105.4	107.0	108.5	108.6	4.8	103.2	104.9	105.7	107.0	4.7
1991	110.2	111.8	113.1	114.8	5.7	108.4	109.8	110.9	112.6	5.2
1992	116.9	119.0	120.1	122.9	7.1	113.6	115.2	116.0	117.2	4.1
1993	124.1	124.5	126.7	125.2	1.9	117.9	118.8	120.5	121.6	3.8
1994	126.2	127.1	128.7	129.2	3.2	122.4	123.3	124.0	124.8	2.6
1995	130.6	131.0	131.5	133.8	3.6	125.7	126.5	127.4	128.1	2.6
1996	136.9	138.2	138.2	137.4	2.7	129.0	130.3	130.6	130.9	2.2
1997	137.3	138.4	137.8	136.9	-0.4	132.0	133.5	133.3	134.0	2.4
1998	137.2	138.9	139.3	140.6	2.7	135.1	136.9	137.2	138.3	3.2
1999	140.5	142.4	143.7	146.9	4.5	139.4	141.5	142.7	143.6	3.8
2000	151.2	154.3	156.0	155.3	5.7	146.3	148.6	150.0	151.6	5.6
2001	159.8	160.4	160.3	163.4	5.2	154.3	155.1	156.6	158.3	4.4
2002	167.5	168.9	168.8	172.3	5.4	161.4	162.5	162.5	163.1	3.0
2003	183.2	183.7	184.4	182.1	5.7	166.0	166.9	167.4	167.7	2.8
Aircraft manufacturing (SIC 3721), white-collar occupations										
1989	99.1	100.0	100.8	102.8	4.0	99.3	100.0	100.4	101.5	2.8
1990	104.6	105.9	107.2	106.8	3.9	102.3	103.8	104.2	105.0	3.4
1991	108.1	109.7	110.5	112.0	4.9	106.0	107.4	107.9	108.9	3.7
1992	114.2	116.3	117.0	119.0	6.3	110.0	111.6	112.2	113.1	3.9
1993	120.5	121.2	123.2	121.8	2.4	113.9	115.2	116.7	117.3	3.7
1994	122.7	123.8	125.3	125.3	2.9	118.1	119.1	119.8	120.2	2.5
1995	126.7	127.2	127.8	129.0	3.0	121.0	121.6	122.7	123.2	2.5
1996	132.4	133.9	133.8	133.7	3.6	124.1	125.9	126.1	126.5	2.7
1997	133.5	134.9	134.6	134.3	0.4	127.8	129.6	129.3	129.8	2.6
1998	134.7	137.1	137.4	137.4	2.3	131.2	133.7	133.9	134.5	3.6
1999	137.3	139.5	139.8	141.7	3.1	135.5	138.0	138.3	139.1	3.4
2000	146.6	150.7	151.8	151.2	6.7	142.1	145.2	146.0	146.2	5.1
2001	157.3	157.3	156.3	159.0	5.2	149.8	150.1	150.9	152.2	4.1
2002	163.3	164.2	163.7	165.3	4.0	155.9	156.4	155.9	156.2	2.6
2003	177.9	177.3	177.5	177.0	7.1	160.4	160.2	160.3	160.6	2.8

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Aircraft manufacturing (SIC 3721), blue-collar occupations										
1989	99.5	100.0	101.4	104.7	5.9	99.6	100.0	100.9	103.3	4.4
1990	106.6	108.6	110.1	110.9	5.9	104.6	106.7	107.8	110.0	6.5
1991	113.2	114.7	116.7	118.8	7.1	112.0	113.5	115.4	118.0	7.3
1992	120.8	122.8	124.2	128.2	7.9	119.0	120.5	121.5	123.3	4.5
1993	129.2	129.2	131.5	129.8	1.2	123.9	124.1	126.1	127.9	3.7
1994	130.9	131.5	133.2	134.2	3.4	128.7	129.4	130.2	131.7	3.0
1995	135.7	136.1	136.3	140.5	4.7	132.7	133.6	134.1	135.1	2.6
1996	143.3	144.1	144.4	142.3	1.3	136.1	136.4	137.0	137.1	1.5
1997	142.3	142.8	141.8	139.6	-1.9	137.7	138.8	138.4	139.6	1.8
1998	139.6	140.1	140.8	144.4	3.4	140.1	140.5	141.0	143.2	2.6
1999	144.3	145.7	149.0	154.4	6.9	144.5	145.5	148.9	149.9	4.7
2000	157.8	158.5	161.4	160.4	3.9	151.8	152.1	155.1	159.3	6.3
2001	161.9	163.6	165.3	169.1	5.4	160.3	162.1	164.9	167.4	5.1
2002	172.6	174.8	175.4	182.3	7.8	169.0	171.4	172.2	173.2	3.5
2003	189.8	192.3	193.9	188.4	3.3	173.6	176.5	177.8	178.2	2.9
Manufacturing, nondurable goods										
1989	98.8	100.0	101.2	101.9	4.5	99.0	100.0	101.1	101.8	3.7
1990	104.1	105.5	106.6	107.4	5.4	103.6	104.8	105.7	106.3	4.4
1991	108.8	110.1	111.2	112.3	4.6	107.6	108.6	109.4	110.6	4.0
1992	113.8	114.7	115.4	116.3	3.6	111.8	112.8	113.2	114.3	3.3
1993	117.9	119.0	119.7	120.3	3.4	115.5	116.3	116.9	117.5	2.8
1994	121.7	122.8	123.2	123.8	2.9	118.3	119.5	120.3	120.8	2.8
1995	124.7	125.4	125.7	127.0	2.6	121.9	122.9	123.3	124.4	3.0
1996	128.3	128.9	130.0	131.0	3.1	125.8	126.5	127.6	128.5	3.3
1997	131.7	133.0	133.7	134.5	2.7	129.3	130.6	131.4	132.6	3.2
1998	135.9	136.7	137.6	138.2	2.8	134.2	134.9	136.0	136.8	3.2
1999	139.6	140.4	141.5	142.8	3.3	138.0	138.7	139.7	140.9	3.0
2000	144.9	146.0	147.5	147.7	3.4	142.7	143.9	145.0	145.4	3.2
2001	150.4	151.6	152.0	153.2	3.7	147.5	149.0	149.3	150.2	3.3
2002	156.0	157.5	159.2	160.3	4.6	151.9	153.1	154.4	155.2	3.3
2003	163.1	164.9	166.0	166.6	3.9	156.6	157.8	158.3	158.7	2.3
Service-producing industries³										
1989	98.8	100.0	101.3	102.3	5.1	99.1	100.0	101.4	102.2	4.5
1990	103.8	105.2	106.2	107.0	4.6	103.3	104.6	105.7	106.3	4.0
1991	108.5	109.8	111.0	111.6	4.3	107.5	108.7	109.7	110.2	3.7
1992	112.8	113.6	114.4	115.2	3.2	111.1	111.7	112.3	113.0	2.5
1993	116.4	117.3	118.5	119.3	3.6	113.9	114.7	115.9	116.6	3.2
1994	120.4	121.2	122.3	122.8	2.9	117.3	118.2	119.2	119.7	2.7
1995	123.9	124.9	125.8	126.2	2.8	120.7	121.6	122.6	123.2	2.9
1996	127.6	128.6	129.5	130.2	3.2	124.7	125.8	126.7	127.5	3.5
1997	131.6	132.5	133.8	135.3	3.9	129.0	130.1	131.5	133.1	4.4
1998	136.7	137.8	139.6	140.5	3.8	134.4	135.6	137.6	138.4	4.0
1999	140.9	142.8	144.1	145.3	3.4	138.9	140.8	142.1	143.3	3.5
2000	147.4	149.1	150.6	151.7	4.4	145.0	146.5	147.9	148.9	3.9
2001	153.8	155.3	156.9	158.2	4.3	150.5	151.9	153.2	154.5	3.8
2002	159.9	161.8	162.7	163.1	3.1	156.1	157.7	158.4	158.6	2.7
2003	165.6	167.0	168.8	169.7	4.0	160.6	161.7	163.3	163.9	3.3
Service-producing industries, excluding sales occupations										
1989	98.9	100.0	101.2	102.1	4.7	99.2	100.0	101.2	101.8	3.9
1990	103.9	105.1	106.4	107.3	5.1	103.4	104.5	105.8	106.6	4.7
1991	108.7	109.9	111.3	112.1	4.5	107.7	108.7	110.0	110.7	3.8
1992	113.2	114.0	115.1	115.9	3.4	111.5	112.2	113.0	113.7	2.7
1993	117.3	118.3	119.3	120.2	3.7	114.8	115.6	116.6	117.4	3.3
1994	121.4	122.1	123.3	123.8	3.0	118.3	119.0	120.2	120.7	2.8
1995	125.0	125.8	126.6	127.2	2.7	121.8	122.5	123.4	124.2	2.9
1996	128.4	129.2	130.3	130.9	2.9	125.6	126.5	127.6	128.3	3.3
1997	132.2	133.3	134.5	136.1	4.0	129.7	130.9	132.3	133.9	4.4
1998	137.4	138.5	140.0	140.6	3.3	135.2	136.2	137.9	138.5	3.4
1999	141.7	143.3	144.6	145.9	3.8	139.8	141.4	142.6	143.8	3.8
2000	147.7	149.4	151.1	152.2	4.3	145.3	146.9	148.3	149.4	3.9
2001	154.6	156.0	157.8	159.0	4.5	151.3	152.6	154.2	155.5	4.1
2002	160.9	162.4	163.5	164.0	3.1	157.2	158.5	159.3	159.6	2.6
2003	166.6	168.0	169.7	170.6	4.0	161.7	162.8	164.2	165.0	3.4

¹Excludes farm and household workers.

³Includes transportation, communication, and public utilities; wholesale and retail trade; finance, insurance, and real estate; and service industries.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Transportation and public utilities										
1989	98.7	100.0	100.7	101.2	3.8	99.5	100.0	100.7	101.2	2.6
1990	103.0	103.3	104.2	105.1	3.9	102.6	103.2	104.1	104.6	3.4
1991	106.0	107.7	109.0	109.7	4.4	105.4	106.6	107.7	108.4	3.6
1992	111.1	111.9	112.9	113.5	3.5	109.7	110.6	111.2	111.8	3.1
1993	114.8	116.0	116.8	117.5	3.5	112.9	114.0	114.7	115.4	3.2
1994	119.2	119.8	121.4	122.1	3.9	116.4	117.2	118.9	119.6	3.6
1995	124.0	124.7	126.0	126.6	3.7	121.2	122.0	122.9	123.7	3.4
1996	127.9	128.4	129.3	130.4	3.0	124.6	125.0	125.9	127.0	2.7
1997	131.3	131.7	132.9	134.2	2.9	128.2	128.8	130.1	131.3	3.4
1998	135.8	137.1	138.5	139.3	3.8	132.1	132.8	134.3	135.1	2.9
1999	139.7	140.9	141.8	142.3	2.2	135.4	136.8	137.5	137.9	2.1
2000	143.9	145.7	147.4	148.3	4.2	138.5	140.0	141.3	142.3	3.2
2001	150.5	152.4	153.5	155.5	4.9	143.7	145.7	146.7	149.2	4.8
2002	157.3	158.9	160.8	161.7	4.0	150.5	152.1	153.4	154.1	3.3
2003	163.2	165.4	166.5	167.0	3.3	154.8	155.6	156.0	156.5	1.6
Transportation										
1989	98.8	100.0	100.5	100.8	3.6	99.4	100.0	100.6	100.7	2.0
1990	102.8	103.0	103.8	104.6	3.8	102.3	102.3	103.3	103.5	2.8
1991	105.2	106.8	107.8	108.6	3.8	104.3	105.5	106.6	107.0	3.4
1992	109.9	110.5	111.7	111.8	2.9	108.3	109.2	109.8	109.9	2.7
1993	112.8	114.1	114.8	115.7	3.5	110.8	112.0	112.6	113.4	3.2
1994	117.1	117.7	119.7	120.3	4.0	114.2	114.8	116.7	117.5	3.6
1995	122.3	123.0	124.7	125.1	4.0	119.0	119.8	121.0	121.6	3.5
1996	126.9	127.7	128.2	129.2	3.3	122.9	123.2	123.8	124.7	2.5
1997	130.6	130.9	132.1	133.4	3.3	126.5	126.9	128.5	129.5	3.8
1998	134.0	134.9	136.7	137.3	2.9	130.1	130.4	132.4	132.9	2.6
1999	136.8	138.1	138.7	139.5	1.6	132.3	133.7	134.4	134.9	1.5
2000	140.4	141.8	142.8	143.9	3.2	134.9	136.2	137.4	138.6	2.7
2001	145.4	146.9	148.2	151.1	5.0	139.8	141.6	142.6	145.7	5.1
2002	152.5	153.9	155.4	156.1	3.3	147.4	148.6	149.6	150.1	3.0
2003	157.8	158.9	159.4	159.6	2.2	150.5	150.6	150.4	150.8	0.5
Public utilities										
1989	98.8	100.0	101.0	101.7	4.1	99.5	100.0	101.1	101.8	3.1
1990	103.2	103.8	104.8	105.7	3.9	103.0	104.1	105.0	106.0	4.1
1991	107.0	108.8	110.4	111.2	5.2	106.9	108.0	109.0	110.0	3.8
1992	112.6	113.7	114.4	115.6	4.0	111.4	112.4	113.0	114.1	3.7
1993	117.4	118.3	119.2	119.9	3.7	115.4	116.4	117.2	117.9	3.3
1994	121.7	122.6	123.6	124.4	3.8	119.1	120.1	121.4	122.3	3.7
1995	126.1	126.8	127.5	128.5	3.3	123.9	124.5	125.2	126.1	3.1
1996	128.9	129.1	130.4	131.7	2.5	126.5	127.1	128.4	129.8	2.9
1997	132.0	132.5	133.7	135.1	2.6	130.1	130.9	132.0	133.5	2.9
1998	137.9	139.7	140.7	141.9	5.0	134.5	135.7	136.5	137.8	3.2
1999	143.4	144.6	145.7	146.1	3.0	139.2	140.6	141.5	141.8	2.9
2000	148.6	150.9	153.5	154.1	5.5	143.2	144.9	146.4	147.1	3.7
2001	157.3	159.8	160.7	161.5	4.8	148.7	151.0	152.0	153.6	4.4
2002	163.9	165.5	168.2	169.2	4.8	154.3	156.4	158.2	159.3	3.7
2003	170.5	174.2	176.4	177.0	4.6	160.4	162.1	163.4	164.1	3.0
Communications										
1989	98.5	100.0	101.0	101.6	4.2	99.9	100.0	101.1	101.8	2.8
1990	103.1	103.1	104.2	105.2	3.5	103.1	104.1	105.0	106.1	4.2
1991	106.0	108.0	109.9	110.7	5.2	106.5	107.6	108.5	109.6	3.3
1992	111.8	112.7	113.4	114.7	3.6	110.8	111.7	112.2	113.5	3.6
1993	116.5	117.5	118.5	119.2	3.9	114.7	115.6	116.5	117.1	3.2
1994	121.0	122.1	122.9	124.0	4.0	118.4	119.5	121.0	122.1	4.3
1995	126.3	126.6	127.4	128.3	3.5	124.3	124.6	125.3	126.2	3.4
1996	128.0	127.5	129.1	131.1	2.2	126.1	126.5	128.2	130.3	3.2
1997	130.2	130.5	131.8	134.0	2.2	129.8	130.6	131.8	134.0	2.8
1998	136.6	139.2	140.5	141.7	5.7	134.4	135.8	136.7	138.0	3.0
1999	143.3	144.9	146.1	146.0	3.0	139.4	141.1	141.9	142.2	3.0
2000	148.4	150.9	153.9	154.7	6.0	143.4	145.0	146.7	147.4	3.7
2001	158.3	161.1	162.8	163.4	5.6	149.2	151.8	153.3	155.2	5.3
2002	166.0	166.1	169.0	170.1	4.1	155.3	157.1	159.6	160.7	3.5
2003	171.3	175.5	178.4	179.0	5.2	161.9	163.4	165.4	165.9	3.2

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Electric, gas, and sanitary services										
1989	99.2	100.0	101.0	101.7	3.8	99.0	100.0	101.0	101.7	3.6
1990	103.2	104.6	105.5	106.2	4.4	103.0	104.2	105.0	105.7	3.9
1991	108.3	109.8	111.0	111.7	5.2	107.3	108.6	109.5	110.5	4.5
1992	113.7	115.0	115.9	116.7	4.5	112.2	113.3	114.2	114.8	3.9
1993	118.6	119.4	120.2	120.8	3.5	116.3	117.4	118.2	118.8	3.5
1994	122.7	123.2	124.4	124.8	3.3	119.9	120.9	121.9	122.4	3.0
1995	125.9	127.0	127.7	128.7	3.1	123.4	124.4	125.2	125.9	2.9
1996	130.1	131.1	132.0	132.4	2.9	127.0	127.7	128.5	129.0	2.5
1997	134.2	134.9	136.0	136.4	3.0	130.4	131.2	132.2	132.9	3.0
1998	139.6	140.3	141.0	142.1	4.2	134.7	135.6	136.3	137.4	3.4
1999	143.4	144.2	145.1	146.1	2.8	138.9	140.0	140.9	141.3	2.8
2000	148.9	151.0	152.9	153.4	5.0	143.0	144.7	145.9	146.6	3.8
2001	156.0	158.1	158.1	159.1	3.7	148.1	149.9	150.4	151.7	3.5
2002	161.3	164.8	167.2	168.1	5.7	153.0	155.5	155.5	157.4	3.8
2003	169.5	172.6	173.8	174.6	3.9	158.6	160.4	161.0	161.8	2.8
Wholesale and retail trade										
1989	98.9	100.0	101.6	102.6	5.1	99.1	100.0	101.6	102.7	4.9
1990	103.5	105.0	105.6	106.2	3.5	103.3	104.6	105.1	105.6	2.8
1991	107.4	109.2	110.3	110.7	4.2	106.6	108.4	109.4	109.6	3.8
1992	111.4	112.5	113.0	113.7	2.7	109.9	111.2	111.5	112.3	2.5
1993	114.7	115.9	116.4	117.1	3.0	113.0	114.2	114.7	115.4	2.8
1994	117.6	119.4	120.5	120.6	3.0	115.5	117.4	118.3	118.4	2.6
1995	121.7	122.8	123.8	124.2	3.0	119.4	120.6	121.6	122.3	3.3
1996	125.5	126.4	127.5	128.6	3.5	123.9	124.8	125.8	127.0	3.8
1997	130.1	131.2	132.4	132.9	3.3	128.5	129.7	130.9	131.6	3.6
1998	134.7	135.8	137.6	138.2	4.0	133.3	134.6	136.6	137.0	4.1
1999	138.9	141.1	142.2	143.5	3.8	137.7	139.6	140.7	142.0	3.6
2000	145.6	147.3	148.3	149.4	4.1	143.8	145.5	146.4	147.4	3.8
2001	151.0	152.6	153.7	155.5	4.1	148.4	150.1	150.6	152.1	3.2
2002	156.5	159.5	159.6	159.7	2.7	153.0	155.7	155.5	155.5	2.2
2003	161.3	162.5	164.3	165.0	3.3	156.7	157.5	159.2	159.5	2.6
Wholesale and retail trade, excluding sales occupations										
1989	99.2	100.0	101.3	102.0	3.9	99.4	100.0	101.1	101.9	3.6
1990	103.0	104.5	105.4	106.1	4.0	102.6	104.2	104.9	105.5	3.5
1991	107.7	109.1	110.1	110.8	4.4	106.8	108.3	109.2	109.6	3.9
1992	111.5	112.7	113.5	114.1	3.0	110.1	111.4	112.1	112.6	2.7
1993	115.4	116.2	117.0	118.0	3.4	113.6	114.4	115.2	116.1	3.1
1994	118.6	119.8	120.9	120.9	2.5	116.5	117.8	118.7	118.8	2.3
1995	122.4	123.1	124.1	125.0	3.4	120.2	120.9	121.9	123.2	3.7
1996	125.9	126.4	128.0	129.0	3.2	124.4	124.9	126.5	127.7	3.7
1997	130.4	131.9	133.0	134.0	3.9	129.3	131.1	132.2	133.2	4.3
1998	135.5	136.3	138.1	138.8	3.6	134.7	135.6	137.6	138.2	3.8
1999	139.9	141.9	142.8	144.3	4.0	139.5	141.1	141.8	143.3	3.7
2000	146.4	148.1	149.6	150.6	4.4	145.2	146.8	148.2	149.0	4.0
2001	152.6	153.9	155.4	157.1	4.3	150.7	151.9	153.1	154.6	3.8
2002	157.5	160.0	160.3	160.4	2.1	154.8	157.1	157.1	157.0	1.6
2003	161.8	162.7	165.0	165.9	3.4	157.9	158.7	160.7	161.3	2.7
Wholesale trade										
1989	98.5	100.0	102.6	104.5	8.7	99.0	100.0	102.8	105.2	9.1
1990	104.8	105.4	105.8	106.5	1.9	104.6	105.2	105.5	106.2	1.0
1991	107.8	109.6	110.7	111.1	4.3	107.3	109.2	110.4	110.3	3.9
1992	112.5	113.5	113.2	114.4	3.0	111.4	112.5	111.9	113.5	2.9
1993	115.3	116.4	116.6	117.8	3.0	113.9	115.1	115.1	116.4	2.6
1994	117.9	119.7	120.6	121.5	3.1	116.2	118.3	118.9	119.9	3.0
1995	123.2	124.8	126.1	127.0	4.5	120.9	122.7	123.9	125.5	4.7
1996	127.5	129.3	129.9	130.9	3.1	126.1	128.0	128.5	129.6	3.3
1997	132.9	133.8	134.6	135.1	3.2	131.4	132.2	133.0	133.6	3.1
1998	137.7	138.6	140.8	142.8	5.7	136.2	137.1	139.3	141.3	5.8
1999	142.7	144.6	146.3	148.5	4.0	140.7	142.3	144.3	146.5	3.7
2000	150.0	151.8	152.1	154.4	4.0	147.4	149.4	149.6	151.6	3.5
2001	155.1	157.8	158.6	159.5	3.3	151.6	154.5	154.1	154.8	2.1
2002	161.9	166.3	165.9	166.7	4.5	157.2	161.3	160.4	161.0	4.0
2003	169.5	171.3	172.0	172.0	3.2	163.4	164.7	164.8	165.3	2.7

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Finance, insurance, and real estate										
1989	98.3	100.0	100.4	101.4	5.4	98.3	100.0	100.6	101.3	5.2
1990	102.6	104.4	105.4	105.5	4.0	101.8	103.5	104.9	104.8	3.5
1991	108.3	109.5	109.7	110.0	4.3	107.0	108.1	108.0	108.4	3.4
1992	111.7	110.8	111.1	111.3	1.2	109.5	108.2	108.2	108.3	-0.1
1993	112.6	113.1	115.7	116.4	4.6	109.3	109.3	112.3	112.9	4.2
1994	117.7	117.7	118.5	118.9	2.1	113.7	113.2	113.8	114.2	1.2
1995	120.2	121.8	122.7	123.1	3.5	115.0	117.0	118.0	118.4	3.7
1996	124.5	126.3	126.7	126.0	2.4	119.8	121.9	122.2	122.2	3.2
1997	128.6	129.4	130.5	134.5	6.7	124.5	125.3	126.4	130.6	6.9
1998	136.7	138.4	141.0	142.5	5.9	132.6	134.8	138.1	139.8	7.0
1999	141.5	145.8	147.6	148.3	4.1	137.2	142.4	144.5	145.2	3.9
2000	152.0	153.1	155.2	155.7	5.0	148.7	149.5	151.7	151.7	4.5
2001	157.9	159.5	160.9	161.3	3.6	153.9	154.6	155.8	156.0	2.8
2002	165.2	167.3	168.0	168.5	4.5	160.3	162.0	162.4	162.6	4.2
2003	176.7	178.3	180.2	180.9	7.4	171.1	172.4	174.1	174.5	7.3
Finance, insurance and real estate, excluding sales occupations										
1989	98.5	100.0	100.1	101.0	4.0	98.4	100.0	100.2	100.9	3.9
1990	103.5	104.7	106.3	106.7	5.6	103.0	103.9	105.8	106.1	5.2
1991	108.6	109.5	110.6	111.4	4.4	107.6	108.4	109.5	110.4	4.1
1992	112.5	112.2	112.5	113.0	1.4	110.6	109.9	109.9	110.2	-0.2
1993	114.9	116.4	117.5	118.2	4.6	112.0	113.1	114.0	114.6	4.0
1994	119.7	120.3	121.5	121.8	3.0	115.5	116.0	117.2	117.4	2.4
1995	123.7	124.6	125.4	125.7	3.2	119.3	120.2	121.1	121.3	3.3
1996	127.5	128.5	129.7	129.2	2.8	123.4	124.5	126.0	125.3	3.3
1997	131.5	132.4	133.5	137.6	6.5	127.2	128.1	129.3	133.6	6.6
1998	140.2	141.3	143.2	143.3	4.1	135.9	137.5	139.7	139.6	4.5
1999	145.6	148.8	151.0	151.6	5.8	141.0	144.8	147.5	148.0	6.0
2000	154.2	155.5	157.4	158.4	4.5	150.2	151.5	153.3	154.1	4.1
2001	161.2	163.1	164.7	165.0	4.2	156.6	157.6	159.1	159.1	3.2
2002	169.8	171.3	172.1	173.1	4.9	164.5	165.7	166.1	167.3	5.2
2003	182.0	184.0	185.3	186.1	7.5	176.7	178.5	179.2	179.8	7.5
Banking, savings and loan, and other credit agencies										
1989	98.8	100.0	100.6	100.7	3.0	98.8	100.0	101.1	100.9	3.2
1990	102.1	104.1	104.4	105.8	5.1	101.6	103.6	103.9	105.4	4.5
1991	107.4	107.0	107.5	107.4	1.5	106.6	105.9	106.4	106.3	0.9
1992	110.2	110.0	111.0	111.4	3.7	108.2	107.7	108.6	109.0	2.5
1993	114.6	116.0	116.9	117.8	5.7	112.1	112.9	113.7	114.5	5.0
1994	118.7	119.4	120.8	120.5	2.3	114.7	115.0	116.5	116.2	1.5
1995	123.5	124.1	124.8	124.4	3.2	119.2	119.7	120.4	120.1	3.4
1996	126.9	128.2	130.3	128.0	2.9	122.7	124.2	126.8	123.8	3.1
1997	130.6	131.6	133.1	140.6	9.8	125.9	126.8	128.9	138.3	11.7
1998	143.3	145.3	148.4	146.7	4.3	140.9	143.2	147.0	144.4	4.4
1999	148.8	155.4	159.3	159.8	8.9	146.1	154.5	159.2	159.6	10.5
2000	162.7	164.2	165.8	166.5	4.2	162.0	163.3	165.0	165.7	3.8
2001	170.8	172.7	175.4	174.3	4.7	169.4	170.8	173.2	171.7	3.6
2002	182.1	184.2	184.6	185.3	6.3	181.2	182.8	182.7	183.9	7.1
2003	204.3	206.3	207.6	209.0	12.8	206.4	208.7	209.1	210.2	14.3
Insurance										
1989	98.3	100.0	99.9	101.0	4.1	98.5	100.0	99.6	100.8	3.5
1990	103.2	105.2	106.5	106.0	5.0	102.3	104.1	105.8	105.1	4.3
1991	107.4	109.5	109.5	110.7	4.4	105.7	107.8	107.5	108.6	3.3
1992	113.2	114.7	114.9	115.2	4.1	111.2	112.7	112.7	112.7	3.8
1993	114.3	116.1	117.4	119.7	3.9	111.2	112.9	113.9	116.6	3.5
1994	119.9	120.5	121.5	122.3	2.2	116.0	116.8	117.7	118.6	1.7
1995	123.5	124.6	124.9	125.9	2.9	119.8	120.8	121.1	122.2	3.0
1996	127.6	128.2	129.3	129.6	2.9	123.6	124.1	125.4	126.0	3.1
1997	131.9	132.1	133.1	134.8	4.0	127.9	128.0	128.7	130.2	3.3
1998	137.4	138.9	141.9	141.7	5.1	133.1	134.8	138.7	138.5	6.4
1999	141.7	144.0	144.5	145.8	2.9	137.4	139.8	140.2	141.5	2.2
2000	149.9	151.3	154.8	155.2	6.4	145.5	146.6	150.7	150.8	6.6
2001	157.6	159.3	159.9	161.3	3.9	152.4	153.3	153.6	155.0	2.8
2002	164.0	166.1	167.1	167.9	4.1	157.1	158.6	159.6	159.1	2.6
2003	172.1	173.9	175.1	176.2	4.9	161.6	163.0	163.9	164.5	3.4

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Insurance, excluding sales occupations										
1989	98.6	100.0	101.0	101.8	4.6	98.5	100.0	100.9	101.5	4.0
1990	104.5	106.1	106.8	107.6	5.7	103.8	105.2	105.9	106.5	4.9
1991	108.7	110.3	111.4	112.5	4.6	107.1	108.7	109.4	110.5	3.8
1992	113.9	115.7	116.1	117.2	4.2	111.7	113.4	113.8	114.9	4.0
1993	118.6	120.6	121.8	122.7	4.7	115.8	117.6	118.3	119.2	3.7
1994	124.4	125.0	126.0	126.5	3.1	120.6	121.4	122.3	122.7	2.9
1995	127.6	129.0	129.6	130.2	2.9	123.8	125.2	125.7	126.3	2.9
1996	132.1	132.7	133.4	133.5	2.5	128.0	128.6	129.3	129.7	2.7
1997	136.0	136.6	137.4	138.6	3.8	131.6	132.2	132.9	133.7	3.1
1998	140.0	140.9	141.6	142.5	2.8	134.7	135.7	136.6	137.9	3.1
1999	144.5	145.4	146.2	147.0	3.2	139.1	139.9	140.9	141.6	2.7
2000	149.4	150.5	152.2	153.1	4.1	143.2	144.1	145.7	146.5	3.5
2001	155.6	157.6	158.0	159.4	4.1	148.3	149.6	149.8	151.2	3.2
2002	163.0	164.3	165.1	165.7	4.0	154.3	155.1	155.9	155.9	3.1
2003	169.6	171.7	172.8	173.7	4.8	157.9	159.6	160.4	160.7	3.1
Service industries										
1989	99.0	100.0	101.8	102.9	5.5	99.1	100.0	101.6	102.5	4.8
1990	105.0	106.5	108.1	109.3	6.2	104.2	105.7	107.1	108.3	5.7
1991	110.8	111.5	113.1	114.0	4.3	109.5	110.0	111.5	112.2	3.6
1992	115.3	116.4	117.8	118.9	4.3	113.2	114.0	115.2	116.1	3.5
1993	120.1	120.9	122.3	123.1	3.5	117.0	117.6	118.9	119.6	3.0
1994	124.4	124.9	125.9	126.6	2.8	120.8	121.3	122.2	123.0	2.8
1995	127.5	128.2	128.9	129.4	2.2	123.9	124.4	125.3	126.0	2.4
1996	130.7	131.7	132.7	133.4	3.1	127.6	128.7	129.7	130.5	3.6
1997	134.6	135.7	137.0	138.5	3.8	131.8	133.0	134.7	136.2	4.4
1998	139.3	140.3	141.8	142.7	3.0	137.2	138.3	140.0	140.8	3.4
1999	143.5	144.6	146.1	147.6	3.4	142.2	143.2	144.5	146.0	3.7
2000	149.4	151.2	152.9	154.1	4.4	147.4	149.1	150.6	151.8	4.0
2001	156.5	157.8	160.0	161.0	4.5	153.8	155.0	157.1	158.2	4.2
2002	162.6	163.7	164.9	165.4	2.7	159.5	160.3	161.5	161.7	2.2
2003	167.1	168.4	170.4	171.4	3.6	162.8	164.0	165.9	166.7	3.1
Business services										
1989	98.1	100.0	100.7	101.3	4.2	98.4	100.0	100.9	101.2	3.9
1990	103.6	105.3	106.3	107.4	6.0	103.0	105.1	105.7	107.4	6.1
1991	110.3	110.4	110.0	111.1	3.4	109.6	109.5	108.9	110.0	2.4
1992	112.5	113.6	115.2	115.9	4.3	111.0	111.7	113.3	113.9	3.5
1993	116.5	117.4	118.1	118.6	2.3	114.2	114.6	115.3	115.7	1.6
1994	121.3	122.1	122.4	123.0	3.7	118.8	119.4	119.9	120.4	4.1
1995	124.5	125.3	125.7	126.3	2.7	122.1	122.9	123.6	124.3	3.2
1996	128.9	129.2	130.2	131.8	4.4	126.9	127.7	128.5	130.1	4.7
1997	133.3	134.2	136.3	138.6	5.2	131.4	132.4	134.9	137.3	5.5
1998	139.5	140.7	143.5	145.9	5.3	137.6	139.2	141.8	144.1	5.0
1999	147.5	148.7	150.7	151.9	4.1	145.4	146.3	148.5	149.8	4.0
2000	154.2	156.3	157.5	158.4	4.3	152.0	154.1	155.3	156.0	4.1
2001	160.5	163.0	165.2	166.2	4.9	158.2	160.8	162.8	163.7	4.9
2002	166.3	166.6	167.2	167.5	0.8	164.0	164.0	164.6	164.8	0.7
2003	168.5	169.2	171.9	172.6	3.0	165.6	166.4	169.1	169.8	3.0
Health services										
1989	98.9	100.0	101.9	103.7	6.9	99.1	100.0	101.9	103.5	6.4
1990	105.8	107.1	109.0	110.8	6.8	105.3	106.3	108.1	109.7	6.0
1991	112.6	113.5	115.3	116.5	5.1	111.1	111.9	113.5	114.6	4.5
1992	117.9	118.9	120.6	121.8	4.5	115.6	116.3	117.9	118.9	3.8
1993	123.0	124.0	125.0	126.0	3.4	119.8	120.7	121.7	122.6	3.1
1994	126.7	127.1	127.9	128.7	2.1	123.1	123.5	124.3	125.4	2.3
1995	129.7	130.3	131.3	132.2	2.7	126.2	126.7	127.5	128.4	2.4
1996	132.6	133.5	134.2	134.5	1.7	129.3	130.1	130.8	131.4	2.3
1997	135.5	135.9	137.0	138.1	2.7	132.5	133.2	134.3	135.4	3.0
1998	138.2	138.7	139.0	139.0	0.7	136.2	136.5	137.5	137.4	1.5
1999	140.5	141.4	142.6	144.2	3.7	138.7	139.6	140.6	142.2	3.5
2000	145.8	147.5	149.0	150.6	4.4	143.5	145.3	146.6	148.1	4.1
2001	152.7	154.7	156.8	158.4	5.2	149.8	151.8	153.6	155.4	4.9
2002	160.6	162.0	163.2	164.4	3.8	157.3	158.4	159.5	160.7	3.4
2003	166.5	167.9	169.4	170.8	3.9	161.9	163.2	164.6	165.8	3.2

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Hospitals										
1989	98.8	100.0	101.9	103.5	7.1	98.9	100.0	101.9	103.3	6.6
1990	105.4	106.6	108.9	110.7	7.0	105.0	106.0	108.2	109.8	6.3
1991	112.2	113.2	114.9	116.1	4.9	110.8	111.6	113.2	114.4	4.2
1992	117.7	118.5	120.2	121.6	4.7	115.4	115.9	117.3	118.3	3.4
1993	122.7	123.4	124.5	125.6	3.3	119.3	119.9	121.0	122.0	3.1
1994	126.7	127.1	127.7	128.6	2.4	122.8	123.3	123.9	124.8	2.3
1995	128.9	129.7	130.3	131.3	2.1	125.4	125.9	126.6	127.7	2.3
1996	132.2	132.8	133.4	133.7	1.8	128.5	129.1	129.7	130.3	2.0
1997	134.0	134.4	135.4	136.5	2.1	130.7	131.2	132.2	133.2	2.2
1998	136.7	138.2	139.1	139.9	2.5	133.6	134.7	135.8	136.5	2.5
1999	141.2	142.1	143.0	144.6	3.4	137.6	138.3	139.3	140.9	3.2
2000	145.8	147.5	149.2	151.1	4.5	141.8	143.3	144.9	146.8	4.2
2001	153.5	155.9	158.4	160.3	6.1	148.5	151.0	153.3	155.4	5.9
2002	162.8	164.5	166.2	168.1	4.9	157.1	158.6	160.2	162.1	4.3
2003	170.8	171.9	173.9	175.9	4.6	163.6	164.6	166.5	167.9	3.6
Nursing homes										
1993 .....	...	...	...	...	3.9	...	...	...	...	3.7
1994 .....	...	...	...	...	3.3	...	...	...	...	3.6
1995 .....	...	...	...	...	3.4	...	...	...	...	3.3
1996 .....	...	...	...	...	2.6	...	...	...	...	2.8
1997 .....	...	...	...	...	2.6	...	...	...	...	3.1
1998 .....	...	...	...	...	3.2	...	...	...	...	3.7
1999 .....	...	...	...	...	4.2	...	...	...	...	4.4
2000 .....	...	...	...	...	6.1	...	...	...	...	5.8
2001 .....	...	...	...	...	5.1	...	...	...	...	5.1
2002 .....	...	...	...	...	4.0	...	...	...	...	4.1
2003 .....	...	...	...	...	3.4	...	...	...	...	2.8
Educational services										
1989	99.1	100.0	103.9	104.2	6.0	99.1	100.0	103.7	103.9	5.2
1990	105.4	105.9	110.2	111.4	6.9	104.7	105.0	109.2	110.2	6.1
1991	111.9	111.5	114.9	115.7	3.9	110.3	109.7	113.0	113.7	3.2
1992	115.8	116.3	119.3	120.0	3.7	113.4	113.6	116.5	117.1	3.0
1993	120.5	120.6	123.8	124.1	3.4	117.5	117.4	120.7	120.9	3.2
1994	124.5	125.4	128.2	128.4	3.5	121.2	122.2	124.9	125.1	3.5
1995	128.8	130.3	133.2	133.7	4.1	125.6	125.9	128.6	129.4	3.4
1996	134.4	134.8	137.5	138.0	3.2	130.1	130.4	133.3	133.8	3.4
1997	138.5	138.8	141.6	142.6	3.3	134.5	134.8	137.8	138.4	3.4
1998	143.4	143.9	147.0	147.7	3.6	139.1	139.6	142.8	143.5	3.7
1999	148.3	148.7	152.2	153.0	3.6	143.9	144.2	147.5	148.2	3.3
2000	154.0	154.9	158.8	159.9	4.5	148.9	149.6	153.4	154.3	4.1
2001	162.3	162.6	166.4	167.6	4.8	155.4	156.1	159.6	160.6	4.1
2002	168.5	169.0	173.5	175.2	4.5	161.2	161.2	165.2	166.5	3.7
2003	176.3	177.1	180.2	181.3	3.5	167.1	167.7	170.3	171.0	2.7
Colleges and universities										
1989	99.0	100.0	103.3	103.8	5.7	99.1	100.0	103.3	103.7	5.1
1990	105.2	105.7	109.8	110.6	6.6	104.4	104.8	108.7	109.3	5.4
1991	111.3	112.0	115.5	116.3	5.2	109.6	110.2	113.7	114.2	4.5
1992	116.8	117.4	120.3	120.8	3.9	114.2	114.5	117.3	117.6	3.0
1993	121.5	121.5	125.0	125.3	3.7	118.0	117.7	121.3	121.6	3.4
1994	125.7	126.0	128.5	128.8	2.8	122.0	122.2	124.5	124.9	2.7
1995	129.3	131.3	134.6	135.2	5.0	125.5	125.9	129.0	130.1	4.2
1996	135.9	136.2	138.6	139.1	2.9	130.6	130.9	133.4	133.8	2.8
1997	139.5	139.9	142.5	143.7	3.3	134.6	135.0	137.8	138.7	3.7
1998	144.3	144.8	147.8	148.5	3.3	139.1	139.7	142.8	143.6	3.5
1999	149.2	149.6	152.6	153.3	3.2	144.1	144.4	147.2	147.9	3.0
2000	154.6	155.5	158.6	159.2	3.8	148.9	149.4	152.5	152.9	3.4
2001	162.2	162.6	166.2	167.5	5.2	154.1	155.0	158.4	159.6	4.4
2002	168.1	168.4	172.0	173.7	3.7	159.9	159.9	163.1	164.3	2.9
2003	174.5	175.4	178.4	179.4	3.3	164.4	165.1	167.6	168.4	2.5

¹Excludes farm and household workers.

... = Not available.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Nonmanufacturing industries										
1989	98.8	100.0	101.3	102.3	4.9	99.1	100.0	101.4	102.2	4.5
1990	103.8	105.1	106.2	106.9	4.5	103.2	104.5	105.4	106.1	3.8
1991	108.5	109.7	110.9	111.5	4.3	107.3	108.4	109.3	109.8	3.5
1992	112.7	113.5	114.4	115.1	3.2	110.7	111.3	111.9	112.6	2.6
1993	116.3	117.2	118.4	119.0	3.4	113.4	114.2	115.4	116.0	3.0
1994	120.3	121.2	122.3	122.6	3.0	116.8	117.7	118.7	119.1	2.7
1995	123.7	124.6	125.5	125.9	2.7	120.0	120.9	121.9	122.5	2.9
1996	127.2	128.2	129.1	129.8	3.1	123.9	125.1	125.9	126.8	3.5
1997	131.1	132.1	133.3	134.7	3.8	128.2	129.3	130.7	132.1	4.2
1998	136.0	137.2	138.9	139.7	3.7	133.4	134.7	136.5	137.4	4.0
1999	140.3	142.0	143.4	144.5	3.4	137.9	139.7	141.0	142.1	3.4
2000	146.7	148.4	150.0	151.1	4.6	143.9	145.5	146.9	147.9	4.1
2001	153.1	154.7	156.3	157.6	4.3	149.5	150.9	152.2	153.5	3.8
2002	159.3	161.1	162.0	162.5	3.1	155.0	156.5	157.2	157.5	2.6
2003	164.9	166.4	168.1	169.0	4.0	159.4	160.5	162.1	162.6	3.2
Nonmanufacturing, white-collar occupations										
1989	98.8	100.0	101.4	102.6	5.6	99.1	100.0	101.5	102.5	5.0
1990	104.1	105.5	106.7	107.4	4.7	103.6	105.0	106.1	106.7	4.1
1991	109.1	110.4	111.5	112.1	4.4	108.0	109.2	110.2	110.6	3.7
1992	113.4	114.1	114.9	115.7	3.2	111.6	112.1	112.8	113.5	2.6
1993	117.0	117.9	119.0	119.9	3.6	114.4	115.2	116.4	117.2	3.3
1994	121.1	122.1	123.1	123.5	3.0	117.9	118.9	119.7	120.2	2.6
1995	124.7	125.6	126.5	127.0	2.8	121.1	122.1	123.1	123.8	3.0
1996	128.5	129.5	130.5	131.1	3.2	125.4	126.6	127.6	128.3	3.6
1997	132.7	133.6	134.9	136.5	4.1	129.9	131.0	132.4	134.1	4.5
1998	137.9	139.2	141.1	142.0	4.0	135.5	136.8	138.9	139.8	4.3
1999	142.3	144.1	145.6	146.9	3.5	140.1	142.0	143.5	144.7	3.5
2000	149.2	151.0	152.6	153.7	4.6	146.5	148.2	149.6	150.6	4.1
2001	155.8	157.5	159.0	160.5	4.4	152.3	153.8	155.0	156.4	3.9
2002	162.2	164.1	164.8	165.3	3.0	158.0	159.6	160.2	160.5	2.6
2003	168.0	169.3	171.2	172.1	4.1	162.8	163.9	165.7	166.3	3.6
Nonmanufacturing, white-collar occupations, excluding sales occupations										
1989	99.0	100.0	101.4	102.3	4.9	99.2	100.0	101.3	102.0	4.2
1990	104.3	105.6	107.0	108.0	5.6	103.8	105.0	106.3	107.2	5.1
1991	109.5	110.6	112.1	112.9	4.5	108.5	109.4	110.7	111.5	4.0
1992	114.1	114.9	116.0	116.9	3.5	112.3	113.0	113.9	114.6	2.8
1993	118.5	119.4	120.4	121.4	3.8	115.8	116.6	117.6	118.5	3.4
1994	122.8	123.6	124.7	125.1	3.0	119.4	120.2	121.3	121.8	2.8
1995	126.4	127.1	128.0	128.6	2.8	122.9	123.5	124.4	125.4	3.0
1996	130.0	130.8	132.1	132.5	3.0	126.9	127.8	129.2	129.6	3.3
1997	134.0	135.1	136.2	137.9	4.1	131.2	132.4	133.8	135.5	4.6
1998	139.3	140.5	142.0	142.7	3.5	136.9	138.1	139.8	140.3	3.5
1999	143.7	145.3	146.8	148.1	3.8	141.6	143.2	144.6	145.9	4.0
2000	150.2	152.0	153.8	155.1	4.7	147.4	149.1	150.7	151.9	4.1
2001	157.5	159.1	160.9	162.3	4.6	153.9	155.3	156.9	158.3	4.2
2002	164.2	165.7	166.6	167.1	3.0	160.1	161.3	162.1	162.5	2.7
2003	170.0	171.4	173.2	174.2	4.2	164.9	166.1	167.7	168.5	3.7

¹Excludes farm and household workers.

Table 6-1. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Nonmanufacturing, blue-collar occupations										
1989	98.8	100.0	101.1	101.7	3.7	99.0	100.0	101.0	101.3	3.3
1990	102.9	104.1	105.0	105.6	3.8	102.2	103.2	104.0	104.3	3.0
1991	107.2	108.2	109.2	109.8	4.0	105.5	106.3	107.1	107.5	3.1
1992	110.7	111.8	112.8	113.4	3.3	108.2	109.1	109.7	110.2	2.5
1993	114.6	115.6	116.6	117.1	3.3	111.1	111.9	113.0	113.4	2.9
1994	118.2	119.1	120.5	120.5	2.9	114.2	115.1	116.4	116.4	2.6
1995	121.5	122.5	123.5	123.7	2.7	117.5	118.5	119.4	119.8	2.9
1996	124.6	125.6	125.9	126.7	2.4	120.9	122.0	122.4	123.1	2.8
1997	127.5	128.6	129.4	130.1	2.7	124.1	125.5	126.4	127.1	3.2
1998	131.0	132.4	133.4	134.0	3.0	128.2	129.5	130.5	131.1	3.1
1999	135.2	136.8	138.0	138.7	3.5	132.4	134.0	135.1	135.8	3.6
2000	140.6	142.3	143.9	144.8	4.4	137.4	138.9	140.3	140.9	3.8
2001	146.9	148.1	150.2	150.6	4.0	142.8	143.9	145.8	146.4	3.9
2002	152.2	154.0	155.4	155.9	3.5	147.5	149.0	149.8	150.2	2.6
2003	157.5	159.7	161.1	161.7	3.7	151.1	152.4	153.4	153.8	2.4
Nonmanufacturing, service occupations										
1989	99.2	100.0	101.0	102.4	4.2	99.4	100.0	100.8	102.3	3.5
1990	103.9	105.0	105.8	107.4	4.9	103.2	104.3	105.0	106.5	4.1
1991	108.4	109.9	111.7	112.5	4.7	107.1	108.4	110.0	110.7	3.9
1992	113.4	114.1	115.2	115.7	2.8	111.3	111.7	112.6	112.9	2.0
1993	116.8	117.7	118.6	119.1	2.9	113.4	114.1	114.8	115.1	1.9
1994	120.2	120.7	121.3	122.4	2.8	116.3	116.7	117.3	118.6	3.0
1995	123.0	123.5	124.2	124.7	1.9	119.2	119.8	120.6	121.2	2.2
1996	125.3	126.0	127.0	128.6	3.1	122.0	122.7	123.9	125.5	3.5
1997	129.4	130.5	132.7	133.8	4.0	126.4	127.4	129.7	130.9	4.3
1998	134.9	135.7	136.9	137.7	2.9	132.0	132.9	134.1	135.1	3.2
1999	139.2	140.4	140.7	142.3	3.3	136.5	137.7	137.9	139.5	3.3
2000	143.5	145.1	146.3	147.8	3.9	140.9	142.4	143.4	144.7	3.7
2001	149.5	150.7	152.1	154.1	4.3	146.0	147.1	148.2	150.1	3.7
2002	155.9	156.9	158.4	159.2	3.3	151.4	152.3	153.4	154.0	2.6
2003	161.1	162.0	163.2	164.2	3.1	155.0	155.5	156.5	157.3	2.1

¹Excludes farm and household workers.

Table 6-2. Employment Cost Index, State and Local Government Workers, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
State and local government workers, total										
1989	99.4	100.0	103.3	104.3	6.2	99.5	100.0	103.1	103.9	5.3
1990	105.8	106.5	109.4	110.4	5.8	105.1	105.7	108.6	109.4	5.3
1991	111.8	112.0	113.9	114.4	3.6	110.6	110.9	112.8	113.2	3.5
1992	115.2	115.7	117.9	118.6	3.7	113.8	114.2	115.9	116.6	3.0
1993	119.3	119.6	121.4	121.9	2.8	117.2	117.4	119.3	119.7	2.7
1994	122.6	123.1	125.0	125.6	3.0	120.4	120.7	122.8	123.4	3.1
1995	126.4	126.9	128.7	129.3	2.9	124.3	124.6	126.6	127.3	3.2
1996	129.9	130.2	131.9	132.7	2.6	127.8	128.1	130.1	130.9	2.8
1997	133.2	133.3	135.0	135.7	2.3	131.4	131.5	133.6	134.4	2.7
1998	136.5	136.9	139.0	139.8	3.0	135.1	135.4	137.6	138.5	3.1
1999	140.5	141.0	143.1	144.6	3.4	139.0	139.6	142.2	143.5	3.6
2000	145.5	145.9	147.8	148.9	3.0	144.3	144.7	147.2	148.3	3.3
2001	150.3	151.2	154.3	155.2	4.2	149.3	150.1	153.0	153.7	3.6
2002	156.1	156.7	160.1	161.5	4.1	154.4	154.9	157.7	158.6	3.2
2003	162.6	163.2	165.9	166.8	3.3	159.2	159.7	161.3	161.9	2.1
WORKERS BY OCCUPATIONAL GROUP										
White-collar occupations										
1989	99.5	100.0	103.6	104.6	6.4	99.6	100.0	103.4	104.2	5.5
1990	106.1	106.7	109.9	110.9	6.0	105.5	106.0	109.2	109.9	5.5
1991	112.2	112.3	114.2	114.6	3.3	111.0	111.2	113.1	113.5	3.3
1992	115.4	115.8	118.1	118.9	3.8	114.0	114.3	116.2	116.9	3.0
1993	119.5	119.6	121.5	121.9	2.5	117.5	117.6	119.6	119.9	2.6
1994	122.6	122.9	124.9	125.5	3.0	120.6	120.9	122.9	123.6	3.1
1995	126.2	126.6	128.6	129.1	2.9	124.4	124.6	126.8	127.4	3.1
1996	129.6	129.9	131.8	132.5	2.6	127.9	128.2	130.3	131.1	2.9
1997	132.9	133.0	134.8	135.5	2.3	131.4	131.5	133.7	134.5	2.6
1998	136.1	136.2	138.4	139.3	2.8	135.0	135.2	137.6	138.5	3.0
1999	139.8	140.2	142.6	144.0	3.4	138.9	139.3	142.1	143.4	3.5
2000	144.9	145.3	147.3	148.3	3.0	144.1	144.5	147.1	148.0	3.2
2001	149.5	150.4	153.7	154.4	4.1	149.0	149.8	152.7	153.3	3.6
2002	155.2	155.7	159.3	160.7	4.1	153.9	154.4	157.4	158.4	3.3
2003	161.7	162.2	164.9	165.7	3.1	158.9	159.2	161.0	161.5	2.0
Professional specialty and technical occupations										
1989 .....	...	100.0	103.8	104.7	...	...	100.0	103.7	104.4	...
1990	106.4	107.0	110.3	111.2	6.2	105.8	106.3	109.8	110.6	5.9
1991	112.3	112.4	114.5	115.0	3.4	111.5	111.7	113.8	114.2	3.3
1992	115.5	116.0	118.5	119.2	3.7	114.5	114.8	117.0	117.6	3.0
1993	119.6	119.7	121.7	122.0	2.3	118.1	118.2	120.4	120.7	2.6
1994	122.5	122.7	125.0	125.5	2.9	121.1	121.3	123.6	124.2	2.9
1995	126.0	126.3	128.4	128.8	2.6	124.8	125.0	127.4	128.0	3.1
1996	129.1	129.5	131.6	132.3	2.7	128.3	128.6	131.1	131.7	2.9
1997	132.5	132.5	134.6	135.1	2.1	131.9	132.0	134.4	135.1	2.6
1998	135.6	135.6	137.7	138.5	2.5	135.5	135.6	137.9	138.7	2.7
1999	138.8	139.3	142.0	143.2	3.4	138.9	139.4	142.5	143.6	3.5
2000	144.1	144.5	146.6	147.4	2.9	144.3	144.7	147.4	148.2	3.2
2001	148.4	149.2	152.8	153.2	3.9	149.1	149.8	153.0	153.4	3.5
2002	153.6	154.1	158.1	159.4	4.0	153.6	154.1	157.5	158.4	3.3
2003	160.2	160.8	163.4	164.1	2.9	158.8	159.1	161.0	161.4	1.9
Executive, administrative, and managerial occupations										
1989 .....	...	100.0	103.1	104.1	...	...	100.0	102.8	103.7	...
1990	105.7	106.4	109.3	110.1	5.8	104.9	105.7	108.4	108.9	5.0
1991	112.2	112.0	113.3	113.7	3.3	110.6	110.7	112.0	112.3	3.1
1992	115.0	115.2	116.8	117.8	3.6	113.3	113.5	114.7	115.5	2.8
1993	119.0	119.2	121.0	121.6	3.2	116.5	116.6	118.2	118.8	2.9
1994	122.8	123.4	124.7	125.3	3.0	119.8	120.3	121.6	122.4	3.0
1995	126.9	127.4	129.1	129.9	3.7	124.1	124.3	126.0	126.9	3.7
1996	130.7	131.0	132.0	132.9	2.3	127.7	128.0	129.3	130.2	2.6
1997	134.1	134.4	135.6	136.4	2.6	131.3	131.7	133.1	134.1	3.0
1998	137.5	137.9	140.4	141.6	3.8	135.1	135.6	138.0	139.3	3.9
1999	142.6	142.8	144.5	146.1	3.2	140.1	140.5	142.7	144.3	3.6
2000	147.0	147.2	149.2	150.7	3.1	144.9	145.1	147.3	148.8	3.1
2001	152.4	153.7	156.4	157.6	4.6	150.1	151.5	153.9	155.1	4.2
2002	159.5	159.8	162.3	163.8	3.9	156.6	156.8	159.0	160.1	3.2
2003	165.3	165.7	168.0	169.1	3.2	160.9	161.0	162.5	163.3	2.0

... = Not available.

Table 6-2. Employment Cost Index, State and Local Government Workers, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Administrative support occupations, including clerical occupations										
1989 .....	...	100.0	102.9	103.9	...	...	100.0	102.4	103.0	...
1990	105.4	106.0	108.7	110.2	6.1	104.4	104.8	107.2	107.9	4.8
1991	111.8	111.7	113.5	114.0	3.4	109.4	109.7	111.4	111.8	3.6
1992	115.4	115.7	117.5	118.5	3.9	112.7	112.9	114.1	114.9	2.8
1993	119.2	119.6	121.0	121.6	2.6	115.4	115.9	117.2	117.8	2.5
1994	122.7	123.3	124.9	125.6	3.3	118.9	119.4	120.9	121.7	3.3
1995	126.3	126.9	128.4	129.1	2.8	122.5	122.9	124.4	125.1	2.8
1996	130.0	130.4	131.8	133.0	3.0	125.8	126.1	127.7	129.0	3.1
1997	133.3	133.5	135.3	136.1	2.3	129.2	129.5	131.4	132.3	2.6
1998	136.9	137.2	139.5	140.3	3.1	133.0	133.3	135.4	136.5	3.2
1999	141.4	141.3	143.0	145.0	3.4	137.4	137.5	139.6	141.7	3.8
2000	145.9	146.5	148.3	149.4	3.0	142.4	143.0	145.0	146.2	3.2
2001	150.7	151.6	154.2	155.6	4.1	147.0	147.6	149.8	150.9	3.2
2002	156.9	158.0	161.0	162.4	4.4	151.9	152.8	155.1	156.0	3.4
2003	163.8	164.4	167.9	168.5	3.8	156.9	157.2	159.1	159.5	2.2
Blue-collar occupations										
1989	99.3	100.0	102.1	103.7	6.4	99.5	100.0	101.9	103.3	5.2
1990	105.5	106.3	108.2	108.7	4.8	104.3	105.3	107.2	107.7	4.3
1991	110.4	110.9	112.4	112.9	3.9	109.1	110.0	111.1	111.6	3.6
1992	114.2	115.3	116.9	117.8	4.3	112.5	113.7	115.0	115.6	3.6
1993	118.3	118.7	120.5	121.4	3.1	116.2	116.5	118.4	119.0	2.9
1994	122.3	122.7	124.2	124.7	2.7	119.7	120.1	121.8	122.5	2.9
1995	125.4	126.3	127.2	128.0	2.6	123.1	123.8	124.8	125.7	2.6
1996	129.0	129.5	130.3	131.2	2.5	126.6	127.0	127.9	128.8	2.5
1997	132.1	132.3	133.3	134.2	2.3	129.6	129.8	131.2	132.3	2.7
1998	135.0	135.2	136.8	137.8	2.7	133.1	133.5	135.1	136.0	2.8
1999	138.8	139.5	140.9	142.5	3.4	136.9	137.6	139.4	140.7	3.5
2000	143.7	144.2	145.9	147.2	3.3	141.5	142.1	143.9	145.1	3.1
2001	148.6	149.0	151.5	153.2	4.1	146.0	146.5	149.1	150.8	3.9
2002	154.0	154.7	158.4	159.8	4.3	151.6	152.1	154.5	155.1	2.9
2003	161.3	161.7	163.6	165.2	3.4	156.2	156.5	157.6	158.3	2.1
Service occupations										
1989	99.2	100.0	102.8	103.6	5.5	99.3	100.0	102.4	102.9	4.3
1990	104.8	105.3	108.1	109.2	5.4	103.9	104.2	106.7	107.6	4.6
1991	111.0	111.3	113.4	114.0	4.4	109.3	110.1	112.0	112.7	4.7
1992	115.0	115.6	117.4	118.0	3.5	113.2	113.7	114.9	115.5	2.5
1993	119.1	119.7	121.4	122.1	3.5	116.3	117.1	118.3	118.9	2.9
1994	123.1	123.9	126.0	126.6	3.7	119.7	120.4	122.7	123.3	3.7
1995	127.6	128.8	130.1	131.0	3.5	124.6	125.2	126.6	127.3	3.2
1996	131.9	132.3	133.6	134.5	2.7	128.1	128.6	130.1	131.0	2.9
1997	135.6	135.6	137.0	137.8	2.5	132.4	132.4	134.2	135.2	3.2
1998	139.4	141.0	143.0	143.4	4.1	136.5	137.2	139.2	140.0	3.6
1999	144.3	145.3	146.7	148.6	3.6	141.1	142.1	144.1	145.7	4.1
2000	149.5	149.7	151.5	152.9	2.9	146.4	146.6	149.6	151.2	3.8
2001	155.3	156.5	159.0	160.5	5.0	152.8	153.7	156.1	157.4	4.1
2002	161.5	162.4	165.2	166.3	3.6	158.3	159.2	160.6	161.2	2.4
2003	168.0	168.9	172.0	173.0	4.0	162.7	163.8	164.9	165.8	2.9
WORKERS BY INDUSTRY DIVISION										
Service industries										
1989	99.5	100.0	103.8	104.7	6.3	99.6	100.0	103.6	104.3	5.5
1990	106.1	106.8	110.2	111.3	6.3	105.5	106.0	109.5	110.3	5.8
1991	112.4	112.6	114.8	115.3	3.6	111.3	111.5	113.7	114.1	3.4
1992	115.8	116.2	118.8	119.6	3.7	114.4	114.7	116.9	117.5	3.0
1993	120.0	120.2	122.2	122.6	2.5	118.1	118.2	120.3	120.6	2.6
1994	123.1	123.4	125.6	126.1	2.9	121.1	121.3	123.6	124.2	3.0
1995	126.7	127.1	129.2	129.6	2.8	124.9	125.1	127.6	128.2	3.2
1996	130.0	130.3	132.4	133.1	2.7	128.6	128.9	131.2	131.9	2.9
1997	133.2	133.3	135.4	136.0	2.2	132.1	132.2	134.7	135.3	2.6
1998	136.5	136.6	139.0	139.7	2.7	135.7	135.9	138.4	139.2	2.9
1999	140.0	140.5	143.2	144.5	3.4	139.5	139.9	142.9	144.0	3.4
2000	145.2	145.5	148.0	148.9	3.0	144.6	144.9	147.9	148.7	3.3
2001	149.9	150.6	154.4	154.9	4.0	149.5	150.2	153.7	154.2	3.7
2002	155.5	155.9	159.7	160.9	3.9	154.6	155.0	158.4	159.2	3.2
2003	161.8	162.3	164.9	165.7	3.0	159.5	159.8	161.6	162.1	1.8

... = Not available.

Table 6-2. Employment Cost Index, State and Local Government Workers, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Service industries, excluding schools										
1989	99.1	100.0	102.5	103.2	5.5	99.1	100.0	102.5	103.0	4.9
1990	105.4	106.4	108.8	110.2	6.8	105.4	106.4	108.8	109.6	6.4
1991	112.2	111.7	113.7	114.4	3.8	111.4	111.4	113.5	114.2	4.2
1992	115.1	115.6	117.5	118.6	3.7	114.8	115.2	116.4	117.4	2.8
1993	119.6	120.0	121.4	121.9	2.8	118.4	118.7	120.1	120.4	2.6
1994	122.8	123.3	124.9	125.6	3.0	121.3	121.9	123.2	124.0	3.0
1995	126.4	127.7	128.9	129.4	3.0	125.0	125.5	126.9	127.4	2.7
1996	130.3	130.8	131.9	132.0	2.0	128.2	128.7	130.1	130.5	2.4
1997	132.5	132.9	134.4	135.3	2.5	131.2	131.6	133.3	134.4	3.0
1998	136.1	136.2	138.7	138.8	2.6	135.4	135.5	137.8	138.2	2.8
1999	139.6	140.3	142.6	143.8	3.6	139.0	139.6	142.1	143.2	3.6
2000	145.2	145.8	147.6	148.8	3.5	144.3	144.8	146.7	147.9	3.3
2001	150.1	151.9	154.5	156.1	4.9	149.1	150.7	153.2	154.9	4.7
2002	157.9	158.7	161.0	162.8	4.3	156.7	157.3	159.1	160.3	3.5
2003	164.0	164.2	166.8	168.2	3.3	161.4	161.8	163.2	164.5	2.6
Health services										
1989	98.8	100.0	103.1	104.2	7.1	98.9	100.0	102.7	103.7	6.1
1990	106.2	106.9	109.9	111.1	6.6	105.5	106.1	108.9	109.7	5.8
1991	112.6	112.2	113.9	114.9	3.4	111.1	111.7	113.0	114.0	3.9
1992	115.9	116.8	118.6	119.4	3.9	114.9	115.7	116.7	117.4	3.0
1993	120.2	120.7	122.2	123.1	3.1	118.1	118.8	120.4	121.0	3.1
1994	124.2	125.2	127.2	127.7	3.7	121.9	122.9	124.7	125.3	3.6
1995	128.4	129.8	131.0	131.6	3.1	126.0	126.6	127.9	128.6	2.6
1996	132.5	133.1	134.0	134.1	1.9	129.3	129.9	131.1	131.4	2.2
1997	134.5	134.9	136.0	137.2	2.3	132.1	132.6	133.9	135.3	3.0
1998	137.9	138.0	140.3	140.7	2.6	136.3	136.5	138.7	139.2	2.9
1999	141.2	142.0	144.2	145.8	3.6	139.7	140.4	142.8	144.2	3.6
2000	147.3	147.9	150.0	151.6	4.0	145.3	145.7	147.7	149.3	3.5
2001	152.1	154.4	157.1	158.6	4.6	149.9	151.9	154.2	155.8	4.4
2002	160.4	161.4	163.5	165.5	4.4	157.8	158.8	160.5	162.2	4.1
2003	166.4	166.7	169.5	171.0	3.3	162.9	163.5	165.1	166.7	2.8
Hospitals										
1989	98.6	100.0	103.2	104.5	7.1	98.7	100.0	102.9	103.8	6.0
1990	106.0	107.0	109.8	111.4	6.6	105.0	105.9	108.6	109.8	5.8
1991	112.2	112.1	114.1	115.2	3.4	110.7	111.3	112.9	114.1	3.9
1992	115.9	116.7	118.6	119.4	3.6	114.5	115.2	116.5	117.1	2.6
1993	120.0	120.4	122.0	123.3	3.3	117.6	118.2	119.9	120.7	3.1
1994	123.7	124.5	127.0	127.7	3.6	121.2	122.0	124.2	125.1	3.6
1995	128.4	129.9	131.1	131.7	3.1	125.8	126.3	127.6	128.4	2.6
1996	132.6	133.2	134.2	134.3	2.0	129.1	129.7	130.9	131.3	2.3
1997	134.8	135.2	136.3	137.6	2.5	131.9	132.4	133.7	135.2	3.0
1998	138.4	138.4	140.7	141.2	2.6	136.3	136.5	138.6	139.1	2.9
1999	141.7	142.7	144.8	146.3	3.6	139.7	140.6	142.8	144.1	3.6
2000	147.9	148.4	150.7	152.0	3.9	145.3	145.6	147.7	149.2	3.5
2001	152.2	154.7	157.4	159.1	4.7	149.5	151.8	154.2	155.7	4.4
2002	160.7	161.8	164.1	166.2	4.5	157.7	158.8	160.6	162.5	4.4
2003	167.0	167.3	170.3	171.4	3.1	163.1	163.8	165.5	166.7	2.6
Educational services										
1989	99.5	100.0	104.1	104.9	...	99.6	100.0	103.8	104.5	...
1990	106.2	106.8	110.3	111.4	6.2	105.5	106.0	109.7	110.5	5.7
1991	112.4	112.6	114.9	115.3	3.5	111.3	111.5	113.8	114.1	3.3
1992	115.7	116.1	118.9	119.7	3.8	114.3	114.6	116.9	117.6	3.1
1993	120.0	120.1	122.3	122.7	2.5	118.0	118.1	120.3	120.6	2.6
1994	122.9	123.1	125.5	126.0	2.7	120.9	121.1	123.6	124.2	3.0
1995	126.5	126.8	129.0	129.4	2.7	124.8	124.9	127.7	128.3	3.3
1996	129.7	130.0	132.3	133.0	2.8	128.5	128.8	131.3	132.0	2.9
1997	133.1	133.2	135.4	135.9	2.2	132.1	132.2	134.8	135.3	2.5
1998	136.3	136.5	138.8	139.6	2.7	135.7	135.8	138.4	139.3	3.0
1999	139.9	140.3	143.1	144.4	3.4	139.5	139.8	142.9	144.0	3.4
2000	145.0	145.2	147.9	148.7	3.0	144.5	144.8	148.0	148.7	3.3
2001	149.6	150.1	154.1	154.5	3.9	149.5	150.0	153.6	154.0	3.6
2002	154.8	155.1	159.2	160.3	3.8	154.2	154.5	158.1	158.9	3.2
2003	161.1	161.7	164.3	165.0	2.9	159.1	159.3	161.2	161.6	1.7

... = Not available.

Table 6-2. Employment Cost Index, State and Local Government Workers, Total Compensation and Wages and Salaries by Occupation and Industry, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Schools										
1989	99.6	100.0	104.4	105.3	6.7	99.7	100.0	104.0	104.7	5.7
1990	106.4	106.9	110.6	111.6	6.0	105.5	105.9	109.7	110.5	5.5
1991	112.5	112.9	115.2	115.6	3.6	111.2	111.5	113.7	114.0	3.2
1992	116.0	116.4	119.2	119.9	3.7	114.3	114.6	117.0	117.5	3.1
1993	120.2	120.3	122.5	122.9	2.5	117.9	118.0	120.3	120.7	2.7
1994	123.2	123.4	125.9	126.3	2.8	121.0	121.2	123.8	124.3	3.0
1995	126.8	127.1	129.4	129.8	2.8	125.0	125.1	127.8	128.4	3.3
1996	130.0	130.3	132.6	133.4	2.8	128.7	128.9	131.4	132.2	3.0
1997	133.4	133.5	135.7	136.2	2.1	132.2	132.3	134.9	135.5	2.5
1998	136.6	136.7	139.1	139.9	2.7	135.8	136.0	138.5	139.5	3.0
1999	140.2	140.6	143.5	144.7	3.4	139.6	140.0	143.1	144.2	3.4
2000	145.3	145.5	148.2	149.0	3.0	144.7	144.9	148.1	148.9	3.3
2001	149.9	150.5	154.4	154.8	3.9	149.7	150.2	153.8	154.1	3.5
2002	155.1	155.4	159.6	160.7	3.8	154.3	154.6	158.3	159.0	3.2
2003	161.4	162.0	164.7	165.3	2.9	159.2	159.5	161.4	161.8	1.8
Elementary and secondary schools										
1989	99.6	100.0	104.6	105.5	6.5	99.7	100.0	104.2	104.9	5.6
1990	106.5	107.1	111.1	112.1	6.3	105.5	105.9	110.1	110.9	5.7
1991	112.9	113.0	115.7	116.2	3.7	111.6	111.7	114.3	114.7	3.4
1992	116.6	117.1	119.9	120.7	3.9	114.9	115.3	117.9	118.5	3.3
1993	120.7	120.8	123.0	123.6	2.4	118.7	118.8	121.1	121.6	2.6
1994	123.7	123.8	126.3	126.5	2.3	121.7	121.8	124.5	124.9	2.7
1995	127.1	127.4	129.8	130.1	2.8	125.5	125.8	128.7	129.2	3.4
1996	130.2	130.5	132.6	133.1	2.3	129.3	129.5	132.0	132.4	2.5
1997	133.1	133.3	135.5	135.8	2.0	132.4	132.6	135.3	135.7	2.5
1998	136.1	136.2	138.8	139.3	2.6	136.0	136.1	138.7	139.3	2.7
1999	139.6	140.0	142.9	144.1	3.4	139.5	139.9	143.1	144.1	3.4
2000	144.5	144.7	147.3	148.1	2.8	144.5	144.6	147.9	148.5	3.1
2001	148.5	149.0	152.8	153.1	3.4	149.0	149.5	152.8	153.1	3.1
2002	153.4	153.6	157.7	158.8	3.7	153.4	153.6	157.4	158.1	3.3
2003	159.4	160.0	163.0	163.7	3.1	158.2	158.5	160.6	160.9	1.8
Colleges and universities										
1989	99.6	100.0	103.4	104.7	...	99.6	100.0	102.9	104.1	...
1990	106.1	106.3	109.2	110.2	5.3	105.6	105.9	108.4	109.2	4.9
1991	111.3	112.5	113.4	113.5	3.0	110.2	111.0	112.0	112.0	2.6
1992	114.0	114.1	116.9	117.2	3.3	112.3	112.3	114.1	114.3	2.1
1993	118.4	118.5	120.8	120.7	3.0	115.5	115.6	117.8	117.7	3.0
1994	121.5	122.0	124.5	125.5	4.0	118.6	119.2	121.5	122.5	4.1
1995	126.0	126.1	128.0	128.7	2.5	123.2	122.9	125.0	125.9	2.8
1996	129.4	129.9	132.5	134.0	4.1	126.8	127.1	129.8	131.2	4.2
1997	134.3	134.1	136.3	137.2	2.4	131.5	131.4	133.6	134.6	2.6
1998	137.9	138.1	140.1	141.5	3.1	135.2	135.5	137.7	139.6	3.7
1999	141.7	142.1	144.8	146.5	3.5	139.6	139.8	142.6	144.4	3.4
2000	147.4	147.6	150.5	151.7	3.5	144.9	145.6	148.3	149.5	3.5
2001	153.7	154.3	159.0	159.6	5.2	151.4	151.8	156.5	156.7	4.8
2002	160.0	160.4	164.7	165.8	3.9	156.8	157.3	160.7	161.6	3.1
2003	167.0	167.5	169.2	170.0	2.5	162.1	162.1	163.5	164.0	1.5
Public administration ¹										
1989	99.2	100.0	102.5	103.2	5.5	99.4	100.0	102.1	102.8	4.5
1990	105.1	105.5	107.8	108.7	5.3	104.3	104.6	106.5	107.3	4.4
1991	110.8	110.9	112.2	112.6	3.6	109.1	109.5	110.6	110.9	3.4
1992	114.0	114.6	115.8	116.3	3.3	111.9	112.4	113.1	113.6	2.4
1993	117.6	118.0	119.3	120.0	3.2	114.4	114.9	115.9	116.6	2.6
1994	121.5	122.2	123.7	124.2	3.5	117.9	118.5	119.9	120.6	3.4
1995	125.4	126.1	127.4	128.3	3.3	121.9	122.3	123.2	124.1	2.9
1996	129.2	129.6	130.7	131.8	2.7	124.9	125.3	126.6	127.7	2.9
1997	133.0	133.0	134.1	135.1	2.5	128.9	129.0	130.3	131.4	2.9
1998	136.4	137.4	138.9	139.9	3.6	132.7	133.2	134.8	135.9	3.4
1999	140.8	141.5	142.4	144.4	3.2	136.9	137.8	139.5	141.5	4.1
2000	145.7	146.1	146.9	148.3	2.7	142.5	142.9	144.6	146.1	3.3
2001	150.6	151.9	153.8	155.2	4.7	147.6	148.7	150.3	151.6	3.8
2002	156.5	157.5	160.2	161.7	4.2	152.5	153.4	154.8	155.8	2.8
2003	163.4	164.3	167.3	168.1	4.0	157.2	158.0	159.4	160.0	2.7

¹Includes executive, legislative, judicial, administrative, and regulatory activities of state and local governments, SICs 91 through 96.

... = Not available.

Table 6-3. Employment Cost Index, Benefits, by Occupation, Industry, and Bargaining Status, 1989–2003

(June 1989 = 100, not seasonally adjusted.)

Series and year	Indexes				Percent change for 12 months ended December
	March	June	September	December	
Civilian workers ¹					
1989	98.6	100.0	101.9	103.2	6.6
1990	105.9	107.2	108.9	110.1	6.7
1991	112.2	113.6	115.4	116.3	5.6
1992	118.6	119.6	121.4	122.5	5.3
1993	125.0	126.2	127.4	128.1	4.6
1994	130.1	131.0	132.3	132.5	3.4
1995	133.8	134.5	135.2	135.5	2.3
1996	136.2	136.9	137.7	138.2	2.0
1997	138.9	139.6	140.3	141.1	2.1
1998	142.0	143.0	144.0	144.7	2.6
1999	145.3	146.6	147.9	149.5	3.3
2000	152.6	154.3	155.8	156.9	4.9
2001	159.7	161.3	163.7	165.1	5.2
2002	167.5	169.4	171.7	173.3	5.0
2003	177.8	180.0	182.8	184.3	6.3
State and local government					
1989 .....	...	100.0	103.9	105.3	...
1990	107.5	108.3	111.3	112.7	7.0
1991	114.6	114.4	116.4	117.1	3.9
1992	118.5	119.3	122.3	123.4	5.4
1993	124.2	124.5	126.2	127.0	2.9
1994	127.9	128.5	130.3	130.5	2.8
1995	131.1	132.2	133.6	133.9	2.6
1996	134.7	135.1	136.1	136.8	2.2
1997	137.4	137.4	138.2	138.6	1.3
1998	139.7	140.3	142.1	142.7	3.0
1999	143.6	144.0	145.0	146.7	2.8
2000	148.2	148.5	149.0	150.2	2.4
2001	152.3	153.5	157.3	158.4	5.5
2002	159.9	160.6	165.8	168.2	6.2
2003	170.5	171.6	176.9	178.5	6.1
Private industry ²					
1989	98.4	100.0	101.4	102.6	6.1
1990	105.5	106.9	108.3	109.4	6.6
1991	111.6	113.5	115.2	116.2	6.2
1992	118.6	119.7	121.2	122.2	5.2
1993	125.2	126.7	127.7	128.3	5.0
1994	130.7	131.7	132.8	133.0	3.7
1995	134.5	135.1	135.6	135.9	2.2
1996	136.6	137.4	138.1	138.6	2.0
1997	139.4	140.1	140.8	141.8	2.3
1998	142.6	143.7	144.5	145.2	2.4
1999	145.8	147.3	148.6	150.2	3.4
2000	153.8	155.7	157.5	158.6	5.6
2001	161.5	163.2	165.2	166.7	5.1
2002	169.3	171.6	173.1	174.6	4.7
2003	179.6	182.0	184.3	185.8	6.4
White-collar occupations					
1989	98.3	100.0	101.4	102.6	6.7
1990	105.6	107.1	108.6	109.7	6.9
1991	112.1	113.8	115.3	116.4	6.1
1992	118.4	119.4	121.0	122.0	4.8
1993	124.7	125.9	126.8	127.6	4.6
1994	130.5	131.6	132.8	133.3	4.5
1995	135.2	136.0	136.6	136.7	2.6
1996	137.7	138.4	139.5	139.7	2.2
1997	140.8	141.5	142.0	143.4	2.6
1998	144.7	145.6	146.6	147.4	2.8
1999	147.9	149.4	151.0	152.5	3.5
2000	156.3	158.5	160.4	161.5	5.9
2001	165.2	167.4	169.5	171.2	6.0
2002	173.5	176.1	177.2	178.5	4.3
2003	183.6	185.5	187.7	189.2	6.0

¹Includes private industry and state and local government workers and excludes farm, household, and federal government workers.²Excludes farm and household workers.

... = Not available.

Table 6-3. Employment Cost Index, Benefits, by Occupation, Industry, and Bargaining Status, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Indexes				Percent change for 12 months ended December
	March	June	September	December	
Blue-collar occupations					
1989	98.6	100.0	101.4	102.6	5.3
1990	105.2	106.6	107.9	109.0	6.2
1991	111.0	112.8	114.9	115.7	6.1
1992	118.7	119.7	121.2	122.2	5.6
1993	125.5	127.3	128.4	128.9	5.5
1994	130.5	131.5	132.7	132.5	2.8
1995	133.3	133.6	134.1	134.7	1.7
1996	135.2	136.1	136.2	137.0	1.7
1997	137.2	138.0	138.8	139.0	1.5
1998	139.1	140.4	141.0	141.6	1.9
1999	142.2	143.6	144.8	146.2	3.2
2000	150.0	151.6	153.1	154.1	5.4
2001	155.7	156.2	158.3	159.2	3.3
2002	162.2	164.0	166.2	167.8	5.4
2003	172.7	176.1	178.4	179.9	7.2
Service-occupations					
1989	98.7	100.0	101.6	103.0	6.4
1990	106.0	107.0	108.1	109.9	6.7
1991	112.3	114.5	116.5	117.8	7.2
1992	120.0	121.6	123.7	124.6	5.8
1993	127.7	129.3	130.5	131.5	5.5
1994	132.9	133.1	134.2	134.7	2.4
1995	135.0	135.6	135.7	136.0	1.0
1996	135.7	136.3	136.2	137.4	1.0
1997	138.3	139.6	141.4	142.0	3.3
1998	143.3	143.7	144.7	144.8	2.0
1999	146.3	147.6	148.4	149.9	3.5
2000	150.8	152.7	154.4	156.4	4.3
2001	159.5	161.1	163.2	166.0	6.1
2002	168.9	170.4	173.4	174.9	5.4
2003	180.2	182.1	184.1	186.4	6.6
Goods-producing industries³					
1989	98.7	100.0	101.5	102.6	5.4
1990	105.7	107.2	108.7	109.9	7.1
1991	111.9	113.9	115.8	116.7	6.2
1992	119.7	120.6	122.3	123.4	5.7
1993	127.3	129.0	130.0	130.3	5.6
1994	132.7	133.9	134.8	134.8	3.5
1995	135.9	135.9	136.2	137.1	1.7
1996	137.7	138.6	138.8	139.7	1.9
1997	139.9	140.9	141.5	141.5	1.3
1998	141.5	142.5	143.0	143.2	1.2
1999	144.3	145.2	146.3	148.2	3.4
2000	152.3	154.2	155.7	156.2	5.4
2001	158.5	159.6	160.8	162.6	4.1
2002	165.8	167.4	168.8	171.0	5.2
2003	178.0	180.2	182.3	183.8	7.5
Manufacturing					
1989	98.8	100.0	101.6	102.3	5.9
1990	105.5	106.9	108.4	109.5	7.0
1991	111.2	113.3	115.3	116.1	6.0
1992	119.3	120.1	121.5	122.6	5.6
1993	126.8	128.6	129.7	130.0	6.0
1994	132.0	133.0	133.9	134.3	3.3
1995	135.4	135.2	135.5	136.7	1.8
1996	137.5	138.5	138.8	139.8	2.3
1997	139.9	141.0	141.4	141.7	1.4
1998	141.7	142.4	142.6	142.7	0.7
1999	143.6	144.5	145.7	147.8	3.4
2000	152.3	153.9	154.9	154.8	4.7
2001	157.1	157.9	158.5	160.4	3.6
2002	163.7	165.5	166.8	168.9	5.3
2003	176.9	179.0	181.1	182.3	7.9

³Includes mining, construction, and manufacturing.

Table 6-3. Employment Cost Index, Benefits, by Occupation, Industry, and Bargaining Status, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Indexes				Percent change for 12 months ended December
	March	June	September	December	
Aircraft manufacturing (SIC 3721)					
1989	99.1	100.0	102.0	106.5	7.6
1990	110.1	111.4	114.5	111.9	5.1
1991	114.2	116.0	117.7	119.7	7.0
1992	124.1	127.3	128.9	135.1	12.9
1993	137.6	137.0	140.1	133.1	-1.5
1994	134.4	135.3	138.7	138.4	4.0
1995	141.0	140.8	140.5	146.1	5.6
1996	154.2	155.4	154.8	151.6	3.8
1997	148.6	148.8	147.6	143.0	-5.7
1998	141.7	143.1	143.8	145.3	1.6
1999	142.6	144.3	145.6	153.9	5.9
2000	161.9	166.6	168.7	163.1	6.0
2001	171.4	171.7	168.2	174.4	6.9
2002	180.7	182.6	182.6	192.4	10.3
2003	220.4	220.3	221.4	213.4	10.9
Aircraft manufacturing (SIC 3721), white-collar occupations					
1989	98.9	100.0	101.7	105.7	6.7
1990	109.9	110.9	114.3	111.2	5.2
1991	113.1	115.1	116.4	119.2	7.2
1992	124.0	127.5	128.4	133.0	11.6
1993	136.2	135.4	138.7	132.5	-0.4
1994	133.5	134.7	138.0	137.3	3.6
1995	140.1	140.2	139.9	142.5	3.8
1996	152.0	152.9	152.1	150.9	5.9
1997	146.8	147.3	146.8	144.8	-4.0
1998	142.9	145.0	145.5	143.9	-0.6
1999	141.3	142.7	142.9	147.6	2.6
2000	156.8	163.6	165.4	162.8	10.3
2001	175.0	174.2	168.9	175.0	7.5
2002	180.7	182.6	182.2	187.0	6.9
2003	219.7	218.3	218.7	216.3	15.7
Aircraft manufacturing (SIC 3721), blue-collar occupations					
1989	99.2	100.0	102.3	107.4	8.7
1990	110.5	112.2	114.6	112.8	5.0
1991	115.5	117.1	119.3	120.4	6.7
1992	124.2	127.2	129.5	137.7	14.4
1993	139.3	139.0	141.9	133.5	-3.1
1994	135.0	135.6	139.0	139.2	4.3
1995	141.6	140.9	140.6	150.8	8.3
1996	156.7	158.4	158.4	152.2	0.9
1997	150.9	150.4	148.2	139.6	-8.3
1998	139.0	139.5	140.7	146.6	5.0
1999	144.2	146.3	149.5	163.0	11.2
2000	169.2	170.5	173.3	162.7	-0.2
2001	165.0	166.7	166.1	172.4	6.0
2002	179.5	181.4	181.8	199.3	15.6
2003	220.1	221.8	224.0	207.5	4.1
Service-producing industries ⁴					
1989	98.2	100.0	101.4	102.6	6.8
1990	105.3	106.6	107.9	109.0	6.2
1991	111.4	113.0	114.6	115.7	6.1
1992	117.7	118.8	120.4	121.2	4.8
1993	123.4	124.6	125.7	126.7	4.5
1994	128.9	129.7	131.2	131.5	3.8
1995	133.2	134.1	134.8	134.7	2.4
1996	135.5	136.2	137.2	137.4	2.0
1997	138.5	139.2	139.8	141.4	2.9
1998	142.7	143.8	144.9	145.7	3.0
1999	146.1	147.9	149.4	150.7	3.4
2000	154.0	156.0	157.9	159.4	5.8
2001	162.6	164.6	167.1	168.4	5.6
2002	170.7	173.3	174.9	175.9	4.5
2003	179.9	182.3	184.7	186.2	5.9

⁴Includes transportation, communication, and public utilities; wholesale and retail trade; finance, insurance, and real estate; and service industries.

Table 6-3. Employment Cost Index, Benefits, by Occupation, Industry, and Bargaining Status, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Indexes				Percent change for 12 months ended December
	March	June	September	December	
Nonmanufacturing industries					
1989	98.2	100.0	101.4	102.8	6.2
1990	105.4	106.9	108.2	109.3	6.3
1991	111.9	113.5	115.1	116.2	6.3
1992	118.2	119.4	121.0	122.0	5.0
1993	124.2	125.5	126.5	127.4	4.4
1994	129.9	130.8	132.2	132.3	3.8
1995	133.9	134.7	135.4	135.3	2.3
1996	136.0	136.7	137.5	137.9	1.9
1997	138.9	139.5	140.2	141.5	2.6
1998	142.7	143.9	145.0	145.8	3.0
1999	146.3	148.0	149.4	150.7	3.4
2000	154.0	156.1	158.1	159.7	6.0
2001	162.9	164.9	167.4	168.8	5.7
2002	171.1	173.5	175.2	176.3	4.4
2003	180.3	182.8	185.1	186.7	5.9
Union workers					
1989	98.6	100.0	101.3	102.1	4.7
1990	104.6	105.6	106.7	108.2	6.0
1991	110.1	112.1	113.9	115.2	6.5
1992	119.2	120.0	121.7	122.5	6.3
1993	126.6	128.5	129.7	130.6	6.6
1994	131.9	132.9	133.3	133.7	2.4
1995	134.8	135.5	136.6	138.0	3.2
1996	139.1	140.0	139.9	140.7	2.0
1997	140.2	140.9	142.2	142.0	0.9
1998	142.1	143.8	145.0	145.5	2.5
1999	145.8	146.9	148.3	149.7	2.8
2000	153.7	155.5	157.4	157.5	5.2
2001	158.5	160.1	161.9	163.4	3.7
2002	166.5	168.1	170.8	172.7	5.7
2003	178.7	182.7	185.4	187.1	8.3
Nonunion workers					
1989	98.4	100.0	101.5	102.9	6.9
1990	105.8	107.4	108.9	109.9	6.8
1991	112.3	114.0	115.7	116.6	6.1
1992	118.4	119.5	121.0	122.1	4.7
1993	124.6	125.9	126.9	127.4	4.3
1994	130.1	131.1	132.6	132.7	4.2
1995	134.2	134.8	135.2	135.1	1.8
1996	135.8	136.5	137.4	137.8	2.0
1997	138.9	139.7	140.2	141.5	2.7
1998	142.5	143.4	144.2	144.9	2.4
1999	145.6	147.1	148.5	150.0	3.5
2000	153.6	155.5	157.3	158.6	5.7
2001	162.0	163.7	165.8	167.2	5.4
2002	169.7	172.1	173.4	174.7	4.5
2003	179.5	181.5	183.7	185.1	6.0

Table 6-4. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Bargaining Status, Industry, Region², and Area Size, 1989–2003

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Union workers, total										
1989	99.0	100.0	100.9	101.8	3.7	99.2	100.0	100.6	101.6	3.1
1990	103.3	104.1	105.1	106.2	4.3	102.6	103.3	104.2	105.1	3.4
1991	107.5	108.8	110.1	111.1	4.6	106.2	107.1	108.0	108.9	3.6
1992	113.1	114.0	115.2	115.9	4.3	109.8	110.8	111.7	112.3	3.1
1993	117.8	119.1	120.0	120.9	4.3	113.1	113.9	114.8	115.7	3.0
1994	121.9	123.0	123.8	124.2	2.7	116.5	117.6	118.6	119.1	2.9
1995	125.1	125.8	126.8	127.7	2.8	119.8	120.6	121.5	122.2	2.6
1996	128.5	129.7	130.1	130.8	2.4	122.8	124.2	124.8	125.4	2.6
1997	131.0	131.8	133.2	133.5	2.1	126.0	126.9	128.3	128.9	2.8
1998	134.0	135.3	136.8	137.5	3.0	129.6	130.7	132.4	133.1	3.3
1999	138.0	139.0	140.2	141.2	2.7	133.6	134.7	135.7	136.5	2.6
2000	143.0	144.4	146.1	146.9	4.0	137.2	138.5	140.0	141.2	3.4
2001	147.9	149.5	151.0	153.1	4.2	142.1	143.7	145.1	147.4	4.4
2002	154.8	156.3	158.1	159.5	4.2	148.4	149.8	151.3	152.5	3.5
2003	162.1	164.1	165.7	166.8	4.6	153.3	154.3	155.3	156.2	2.4
Union workers, blue-collar occupations										
1989	98.9	100.0	100.9	101.7	3.5	99.1	100.0	100.7	101.5	3.2
1990	103.0	104.1	104.8	105.9	4.1	102.2	103.2	103.8	104.8	3.3
1991	107.4	108.6	109.7	110.7	4.5	105.8	106.7	107.3	108.2	3.2
1992	112.9	113.8	114.8	115.5	4.3	109.1	109.9	110.8	111.3	2.9
1993	117.4	118.7	119.7	120.6	4.4	112.0	112.8	113.7	114.5	2.9
1994	121.2	122.4	123.1	123.4	2.3	115.1	116.2	117.3	117.6	2.7
1995	124.0	124.8	125.7	126.3	2.4	118.2	119.1	120.0	120.3	2.3
1996	126.8	128.0	128.3	128.9	2.1	120.9	122.0	122.8	123.4	2.6
1997	128.9	129.9	131.2	131.6	2.1	123.6	124.7	126.0	126.7	2.7
1998	131.8	133.3	134.6	135.3	2.8	127.2	128.5	129.9	130.6	3.1
1999	135.6	136.7	137.8	138.9	2.7	131.2	132.5	133.6	134.5	3.0
2000	141.1	142.5	144.3	145.0	4.4	135.2	136.5	138.2	139.2	3.5
2001	145.9	147.2	148.7	150.0	3.4	140.3	141.8	143.3	144.7	4.0
2002	151.7	153.5	155.2	156.6	4.4	145.6	147.2	148.4	149.6	3.4
2003	159.2	161.4	163.1	164.2	4.9	150.5	151.6	152.8	153.5	2.6
Union workers, goods-producing industries³										
1989	98.9	100.0	100.9	101.9	3.6	99.0	100.0	100.6	101.6	3.3
1990	103.3	104.5	105.1	106.3	4.3	102.3	103.5	104.0	105.0	3.3
1991	107.9	109.2	110.3	111.3	4.7	106.2	107.1	107.7	108.7	3.5
1992	114.0	114.6	115.7	116.4	4.6	109.6	110.2	111.1	111.7	2.8
1993	118.7	120.0	121.0	121.9	4.7	112.2	113.0	113.8	114.8	2.8
1994	122.5	123.8	124.4	124.7	2.3	115.4	116.7	117.5	117.9	2.7
1995	125.2	125.9	126.7	127.5	2.2	118.4	119.3	120.2	120.6	2.3
1996	127.9	129.0	129.2	129.8	1.8	121.3	122.5	123.2	123.6	2.5
1997	130.0	131.2	132.3	132.5	2.1	124.1	125.4	126.6	127.1	2.8
1998	132.7	134.3	135.6	136.5	3.0	127.9	129.4	131.0	131.7	3.6
1999	136.8	138.2	139.2	140.8	3.2	132.3	133.8	134.9	136.1	3.3
2000	143.3	144.8	146.8	147.3	4.6	137.2	138.4	140.2	141.3	3.8
2001	147.9	149.3	150.6	151.8	3.1	142.4	144.2	145.3	146.3	3.5
2002	153.4	154.7	156.2	157.8	4.0	147.2	148.6	150.0	151.2	3.3
2003	161.4	163.4	164.7	165.9	5.1	152.4	153.9	154.8	155.4	2.8
Union workers, service-producing industries⁴										
1989	99.1	100.0	100.8	101.7	3.9	99.6	100.0	100.7	101.7	2.9
1990	103.2	103.6	104.9	106.0	4.2	102.9	103.1	104.4	105.2	3.4
1991	107.1	108.3	109.8	110.9	4.6	106.1	107.0	108.4	109.2	3.8
1992	111.9	113.2	114.6	115.2	3.9	110.1	111.5	112.5	113.1	3.6
1993	116.7	117.7	118.6	119.6	3.8	114.2	115.1	116.0	116.8	3.3
1994	121.0	121.8	122.9	123.6	3.3	118.0	118.7	120.1	120.6	3.3
1995	124.8	125.6	126.8	127.9	3.5	121.6	122.3	123.2	124.2	3.0
1996	129.0	130.3	131.0	131.7	3.0	124.8	126.2	126.8	127.6	2.7
1997	131.9	132.4	134.0	134.5	2.1	128.2	128.8	130.4	131.2	2.8
1998	135.3	136.2	138.0	138.5	3.0	131.8	132.2	134.1	134.8	2.7
1999	139.2	139.7	141.0	141.4	2.1	135.4	135.8	136.8	137.2	1.8
2000	142.5	143.9	145.2	146.4	3.5	137.6	138.9	140.1	141.5	3.1
2001	147.6	149.5	151.2	154.2	5.3	142.2	143.7	145.4	148.9	5.2
2002	156.0	157.6	159.9	161.1	4.5	150.0	151.4	152.9	154.1	3.5
2003	162.6	164.6	166.5	167.5	4.0	154.6	155.1	156.3	157.3	2.1

¹Excludes farm and household workers.

²The regional coverage is as follows: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

³Includes mining, construction, and manufacturing.

⁴Includes transportation, communication, and public utilities; wholesale and retail trade; finance, insurance, and real estate; and service industries.

Table 6-4. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Bargaining Status, Industry, Region², and Area Size, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Union workers, manufacturing industries										
1989	99.0	100.0	100.8	102.0	4.3	99.0	100.0	100.5	101.7	3.5
1990	103.6	104.7	105.3	106.6	4.5	102.6	103.8	104.3	105.5	3.7
1991	108.1	109.5	110.6	111.7	4.8	106.7	107.5	108.3	109.4	3.7
1992	114.8	115.2	116.1	116.9	4.7	110.4	110.9	111.7	112.5	2.8
1993	119.8	121.1	121.9	123.0	5.2	113.2	113.9	114.6	115.9	3.0
1994	123.6	124.8	125.3	125.8	2.3	116.6	117.8	118.5	119.2	2.8
1995	126.3	126.6	127.1	128.1	1.8	119.8	120.5	121.3	122.0	2.3
1996	128.8	129.8	129.8	130.6	2.0	122.9	123.9	124.5	125.2	2.6
1997	130.8	131.7	133.0	133.3	2.1	125.6	126.5	127.8	128.6	2.7
1998	133.6	134.6	136.0	136.9	2.7	129.6	130.4	132.2	133.0	3.4
1999	137.0	138.1	139.1	141.0	3.0	133.6	134.7	135.8	137.5	3.4
2000	144.5	145.4	147.1	147.4	4.5	138.8	139.7	141.4	142.6	3.7
2001	147.9	148.8	149.9	151.4	2.7	143.9	145.5	146.7	148.0	3.8
2002	153.4	154.6	155.9	157.9	4.3	149.0	150.2	151.6	153.1	3.4
2003	162.3	163.8	165.0	166.3	5.3	154.6	155.9	156.7	157.1	2.6
Union workers, manufacturing, blue-collar occupations										
1989	99.0	100.0	100.9	101.9	4.2	99.0	100.0	100.6	101.8	3.6
1990	103.5	104.6	105.1	106.5	4.5	102.6	103.8	104.2	105.4	3.5
1991	108.1	109.4	110.6	111.6	4.8	106.6	107.5	108.2	109.3	3.7
1992	114.7	115.1	116.0	116.8	4.7	110.3	110.8	111.6	112.4	2.8
1993	119.6	121.0	121.8	122.9	5.2	113.1	113.8	114.4	115.7	2.9
1994	123.5	124.6	125.1	125.6	2.2	116.4	117.6	118.3	118.9	2.8
1995	126.1	126.4	126.8	127.8	1.8	119.5	120.2	121.0	121.6	2.3
1996	128.3	129.4	129.5	130.1	1.8	122.4	123.5	124.2	125.0	2.8
1997	130.5	131.4	132.6	133.0	2.2	125.4	126.2	127.6	128.4	2.7
1998	133.1	134.2	135.5	136.4	2.6	129.0	130.0	131.4	132.4	3.1
1999	136.5	137.5	138.5	140.4	2.9	133.0	134.1	135.1	136.8	3.3
2000	143.9	144.8	146.5	147.0	4.7	137.8	138.7	140.4	141.7	3.6
2001	147.3	148.1	149.4	150.9	2.7	143.0	144.3	145.8	147.0	3.7
2002	152.5	153.7	155.0	157.0	4.0	147.8	149.0	150.3	151.8	3.3
2003	161.1	162.5	163.7	165.1	5.2	153.3	154.4	155.2	155.8	2.6
Union workers, nonmanufacturing industries										
1989	98.9	100.0	100.8	101.6	3.1	99.4	100.0	100.7	101.5	2.7
1990	103.0	103.7	104.9	105.9	4.2	102.5	103.0	104.1	104.8	3.3
1991	107.1	108.3	110.6	110.6	4.4	105.8	106.7	107.9	108.6	3.6
1992	111.8	113.1	114.5	115.1	4.1	109.4	110.7	111.7	112.2	3.3
1993	116.3	117.4	118.5	119.3	3.6	113.0	113.9	114.9	115.5	2.9
1994	120.5	121.5	122.6	123.0	3.1	116.4	117.3	118.6	119.0	3.0
1995	124.0	125.0	126.2	127.1	3.3	119.9	120.6	121.6	122.3	2.8
1996	128.0	129.2	129.9	130.4	2.6	122.8	124.3	124.9	125.5	2.6
1997	130.6	131.5	132.9	133.2	2.1	126.1	127.1	128.6	129.1	2.9
1998	133.9	135.3	136.9	137.4	3.2	129.6	130.8	132.4	133.1	3.1
1999	138.1	139.2	140.3	140.8	2.5	133.7	134.6	135.6	135.9	2.1
2000	141.7	143.4	145.0	146.2	3.8	136.4	137.8	139.2	140.4	3.3
2001	147.3	149.4	151.1	153.5	5.0	141.1	142.7	144.3	147.1	4.8
2002	155.0	156.6	158.8	159.9	4.2	148.1	149.6	151.1	152.1	3.4
2003	161.4	163.7	165.5	166.5	4.1	152.5	153.5	154.6	155.6	2.3
Nonunion workers, total										
1989	98.8	100.0	101.4	102.4	5.1	99.0	100.0	101.3	102.1	4.5
1990	104.1	105.5	106.6	107.3	4.8	103.4	104.8	105.8	106.4	4.2
1991	108.8	110.1	111.2	111.9	4.3	107.6	108.7	109.7	110.3	3.7
1992	113.1	113.8	114.7	115.5	3.2	111.2	111.8	112.4	113.1	2.5
1993	116.8	117.7	118.8	119.5	3.5	114.1	114.8	115.9	116.6	3.1
1994	120.7	121.7	122.7	123.2	3.1	117.4	118.3	119.2	119.8	2.7
1995	124.3	125.2	126.0	126.5	2.7	120.8	121.8	122.6	123.3	2.9
1996	127.7	128.7	129.7	130.4	3.1	124.8	125.9	126.9	127.7	3.6
1997	131.8	132.8	133.9	135.3	3.8	129.1	130.3	131.6	133.0	4.2
1998	136.7	137.8	139.3	140.1	3.5	134.5	135.7	137.4	138.3	4.0
1999	140.8	142.5	143.8	145.2	3.6	139.0	140.7	142.0	143.3	3.6
2000	147.4	149.1	150.6	151.6	4.4	145.1	146.7	148.1	149.0	4.0
2001	153.8	155.3	156.7	157.8	4.1	150.8	152.2	153.4	154.4	3.6
2002	159.6	161.4	162.2	162.8	3.2	155.9	157.5	158.1	158.5	2.7
2003	165.4	166.8	168.4	169.1	3.9	160.4	161.5	163.0	163.4	3.1

¹Excludes farm and household workers.²The regional coverage is as follows: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Table 6-4. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Bargaining Status, Industry, Region², and Area Size, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Nonunion workers, blue-collar occupations										
1989	98.7	100.0	101.3	102.1	4.7	98.8	100.0	101.2	101.7	4.0
1990	103.9	105.3	106.3	106.8	4.6	103.0	104.3	105.1	105.5	3.7
1991	108.3	109.4	110.6	111.2	4.1	106.8	107.7	108.5	109.2	3.5
1992	112.2	113.0	113.9	114.6	3.1	110.1	110.8	111.3	111.9	2.5
1993	115.9	116.9	117.8	118.2	3.1	112.8	113.6	114.4	115.0	2.8
1994	119.6	120.4	121.7	121.9	3.1	115.9	116.7	117.7	118.3	2.9
1995	123.0	123.9	124.5	125.1	2.6	119.5	120.7	121.4	122.1	3.2
1996	126.3	127.3	127.8	128.9	3.0	123.6	124.7	125.2	126.3	3.4
1997	129.9	131.2	131.8	132.6	2.9	127.5	128.9	129.7	130.6	3.4
1998	133.8	134.7	135.5	136.3	2.8	132.0	132.9	134.0	134.8	3.2
1999	137.6	139.0	140.3	141.4	3.7	136.2	137.5	138.7	139.7	3.6
2000	143.4	144.9	146.1	147.2	4.1	141.4	142.9	144.1	144.9	3.7
2001	149.4	150.3	152.2	152.9	3.9	147.1	148.2	150.0	150.5	3.9
2002	154.7	156.0	156.9	157.7	3.1	151.9	153.1	153.7	154.2	2.5
2003	159.8	161.3	162.6	163.2	3.5	155.5	156.5	157.5	157.8	2.3
Nonunion workers, goods-producing industries³										
1989	98.9	100.0	101.3	102.3	4.7	99.1	100.0	101.1	102.1	4.1
1990	104.2	105.5	106.7	107.4	5.0	103.5	104.5	105.5	106.1	3.9
1991	108.8	110.1	111.3	112.2	4.5	107.3	108.3	109.2	110.1	3.8
1992	113.3	114.1	115.1	116.0	3.4	111.2	111.9	112.6	113.3	2.9
1993	117.7	118.6	119.4	119.9	3.4	114.4	115.2	116.0	116.7	3.0
1994	121.5	122.6	123.6	124.1	3.5	117.6	118.6	119.5	120.3	3.1
1995	125.2	125.9	126.4	127.2	2.5	121.3	122.2	122.9	123.8	2.9
1996	128.3	129.4	130.4	131.3	3.2	124.9	126.1	127.3	128.0	3.4
1997	132.0	133.2	134.0	134.7	2.6	128.9	130.2	131.2	132.0	3.1
1998	135.9	136.9	137.7	138.3	2.7	133.6	134.7	135.7	136.5	3.4
1999	139.7	140.5	141.8	143.1	3.5	137.8	138.8	140.0	141.1	3.4
2000	145.4	147.2	148.4	149.3	4.3	142.9	144.7	145.8	146.8	4.0
2001	151.6	153.1	154.0	155.3	4.0	148.8	150.3	151.1	152.1	3.6
2003	157.2	158.6	159.5	160.8	3.5	153.5	154.8	155.5	156.6	3.0
2003	163.6	164.9	166.1	166.7	3.7	157.8	158.9	159.7	160.1	2.2
Nonunion workers, service-producing industries⁴										
1989	98.7	100.0	101.5	102.4	5.3	98.9	100.0	101.4	102.2	4.7
1990	103.9	105.5	106.5	107.2	4.7	103.4	104.9	105.9	106.5	4.2
1991	108.8	110.1	111.2	111.8	4.3	107.8	108.9	109.9	110.4	3.7
1992	113.0	113.7	114.4	115.2	3.0	111.2	111.7	112.3	113.0	2.4
1993	116.3	117.2	118.4	119.2	3.5	113.8	114.6	115.9	116.6	3.2
1994	120.3	121.1	122.2	122.7	2.9	117.2	118.1	119.0	119.5	2.5
1995	123.8	124.8	125.6	126.0	2.7	120.5	121.5	122.4	123.0	2.9
1996	127.3	128.3	129.2	129.9	3.1	124.6	125.7	126.6	127.5	3.7
1997	131.5	132.5	133.7	135.3	4.2	129.1	130.2	131.6	133.2	4.5
1998	136.7	138.0	139.7	140.6	3.9	134.6	135.9	137.9	138.8	4.2
1999	141.1	143.0	144.4	145.7	3.6	139.3	141.3	142.6	143.9	3.7
2000	148.0	149.6	151.2	152.3	4.5	145.8	147.3	148.7	149.6	4.0
2001	154.4	155.9	157.5	158.6	4.1	151.4	152.7	154.1	155.1	3.7
2002	160.3	162.2	162.9	163.3	3.0	156.7	158.3	158.9	159.0	2.5
2003	165.9	167.2	169.0	169.8	4.0	161.2	162.3	164.0	164.5	3.5
Nonunion workers, manufacturing industries										
1989	98.8	100.0	101.2	102.1	4.6	98.9	100.0	101.0	102.0	4.1
1990	104.2	105.5	106.9	107.6	5.4	103.6	104.8	105.9	106.5	4.4
1991	108.8	110.2	111.5	112.4	4.5	107.7	108.8	109.7	110.7	3.9
1992	113.6	114.5	115.5	116.4	3.6	111.9	112.7	113.4	114.2	3.2
1993	118.1	119.0	120.0	120.6	3.6	115.4	116.1	117.0	117.9	3.2
1994	122.0	122.9	124.0	124.8	3.5	118.6	119.5	120.5	121.5	3.1
1995	126.1	126.9	127.3	128.3	2.8	122.7	123.8	124.3	125.2	3.0
1996	129.3	130.5	131.7	132.5	3.3	126.3	127.5	128.8	129.6	3.5
1997	133.1	134.4	135.1	135.9	2.6	130.3	131.7	132.6	133.5	3.0
1998	137.2	138.0	138.9	139.4	2.6	135.1	136.2	137.3	138.2	3.5
1999	140.7	141.7	143.0	144.4	3.5	139.4	140.5	141.7	142.9	3.4
2000	146.5	148.2	149.2	149.9	3.8	144.4	146.1	147.2	148.0	3.6
2001	152.4	153.7	154.4	155.5	3.7	150.1	151.6	152.2	153.1	3.4
2002	157.6	159.1	160.1	161.3	3.7	154.7	156.1	156.8	157.8	3.1
2003	164.5	165.8	166.9	167.3	3.7	159.3	160.2	160.9	161.3	2.2

¹Excludes farm and household workers.

²The regional coverage is as follows: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

³Includes mining, construction, and manufacturing.

⁴Includes transportation, communication, and public utilities; wholesale and retail trade; finance, insurance, and real estate; and service industries.

Table 6-4. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Bargaining Status, Industry, Region², and Area Size, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Nonunion workers, manufacturing, blue-collar occupations										
1989	98.7	100.0	101.4	102.4	5.1	98.7	100.0	101.2	102.2	4.5
1990	104.4	105.9	107.2	107.9	5.4	103.6	105.0	106.0	106.7	4.4
1991	109.0	110.3	111.7	112.5	4.3	107.9	108.8	109.7	110.7	3.7
1992	113.8	114.6	115.5	116.2	3.3	111.9	112.5	113.1	113.7	2.7
1993	117.5	118.4	119.4	119.9	3.2	114.6	115.2	116.0	116.7	2.6
1994	121.2	121.9	123.0	123.5	3.0	117.5	118.1	119.1	120.0	2.8
1995	124.5	125.5	125.7	127.0	2.8	121.2	122.6	123.1	124.2	3.5
1996	128.1	129.3	130.3	131.4	3.5	125.4	126.7	127.8	128.8	3.7
1997	132.2	133.5	134.2	134.8	2.6	129.8	131.2	132.0	133.0	3.3
1998	136.0	136.7	137.4	138.3	2.6	134.4	135.1	136.2	137.2	3.2
1999	139.5	140.2	141.6	142.9	3.3	138.5	139.2	140.5	141.6	3.2
2000	144.4	145.8	146.7	148.0	3.6	142.8	144.2	145.4	146.6	3.5
2001	149.9	150.8	152.1	153.5	3.7	148.7	150.1	151.3	152.6	4.1
2002	155.6	156.7	157.5	158.8	3.5	154.3	155.3	155.7	156.8	2.8
2003	161.5	162.6	164.1	164.8	3.8	158.3	158.7	159.8	160.4	2.3
Nonunion workers, nonmanufacturing industries										
1989	98.8	100.0	101.4	102.4	5.2	99.0	100.0	101.4	102.3	4.7
1990	104.0	105.4	106.5	107.2	4.7	103.3	104.8	105.7	106.3	3.9
1991	108.8	110.1	111.2	111.7	4.2	107.6	108.7	109.6	110.1	3.6
1992	112.9	113.5	114.3	115.1	3.0	110.9	111.4	112.0	112.7	2.4
1993	116.3	117.2	118.3	119.0	3.4	113.5	114.3	115.5	116.1	3.0
1994	120.2	121.1	122.2	122.5	2.9	116.9	117.8	118.7	119.1	2.6
1995	123.6	124.5	125.3	125.7	2.6	120.0	121.0	121.9	122.6	2.9
1996	127.0	128.0	128.9	129.6	3.1	124.2	125.2	126.1	127.0	3.6
1997	131.1	132.2	133.4	134.9	4.1	128.5	129.7	131.1	132.6	4.4
1998	136.3	137.5	139.1	140.0	3.8	134.0	135.3	137.1	138.0	4.1
1999	140.6	142.4	143.8	145.1	3.6	138.6	140.5	141.8	143.0	3.6
2000	147.4	149.1	150.7	151.8	4.6	145.0	146.6	148.0	148.9	4.1
2001	153.9	155.4	157.0	158.2	4.2	150.7	152.0	153.3	154.4	3.7
2002	159.9	161.7	162.4	162.9	3.0	155.9	157.5	158.1	158.3	2.5
2003	165.4	166.7	168.5	169.3	3.9	160.4	161.5	163.1	163.7	3.4
WORKERS BY REGION										
Northeast										
1989	98.7	100.0	101.8	102.9	6.4	98.7	100.0	101.8	102.9	6.2
1990	104.4	105.3	106.5	107.6	4.6	104.0	104.8	105.9	106.9	3.9
1991	109.4	110.6	111.7	112.5	4.6	108.3	109.4	110.3	110.9	3.7
1992	113.9	114.5	115.5	116.4	3.5	111.7	112.2	113.0	113.7	2.5
1993	117.8	119.1	120.2	120.7	3.7	114.6	115.7	116.8	117.3	3.2
1994	121.6	122.8	124.0	124.3	3.0	117.8	118.8	120.0	120.2	2.5
1995	125.6	126.6	127.4	127.8	2.8	121.3	122.1	123.1	123.6	2.8
1996	128.9	129.7	130.6	131.1	2.6	124.9	126.0	127.0	127.7	3.3
1997	132.2	133.1	134.0	135.0	3.0	128.8	129.8	130.7	131.6	3.1
1998	136.0	137.0	138.7	139.5	3.3	132.6	133.8	135.4	136.4	3.6
1999	140.5	141.5	143.2	144.3	3.4	137.1	138.2	139.9	140.9	3.3
2000	146.3	147.6	149.3	150.3	4.2	142.3	143.7	145.3	146.0	3.6
2001	151.6	153.7	155.2	156.3	4.0	147.3	149.2	150.6	151.7	3.9
2002	158.3	159.9	160.5	161.3	3.2	153.5	154.9	155.1	155.7	2.6
2003	163.8	165.2	166.9	167.9	4.1	157.3	158.4	160.0	160.9	3.3
South										
1989	99.0	100.0	101.2	102.2	4.2	99.2	100.0	101.2	102.1	3.8
1990	104.0	105.7	106.3	106.9	4.6	103.5	105.2	105.7	106.1	3.9
1991	108.4	109.8	110.7	111.2	4.0	107.4	108.5	109.2	109.6	3.3
1992	112.5	113.3	114.1	114.8	3.2	110.8	111.5	112.0	112.7	2.8
1993	116.2	117.0	118.1	118.8	3.5	113.6	114.3	115.3	116.0	2.9
1994	120.0	120.8	121.8	122.5	3.1	116.6	117.4	118.5	119.1	2.7
1995	123.7	124.3	125.2	125.6	2.5	120.0	120.8	121.8	122.4	2.8
1996	127.0	127.8	128.8	129.7	3.3	124.1	125.1	126.0	127.0	3.8
1997	130.8	131.5	132.5	134.6	3.8	128.5	129.4	130.6	133.0	4.7
1998	135.5	136.4	137.6	138.1	2.6	134.0	134.9	136.5	136.7	2.8
1999	139.1	140.7	141.8	143.0	3.5	137.9	139.4	140.2	141.5	3.5
2000	145.0	146.7	147.6	148.6	3.9	143.0	144.6	145.3	146.3	3.4
2001	151.1	152.3	153.5	154.6	4.0	148.3	149.3	150.2	151.2	3.3
2002	156.2	157.6	158.9	159.0	2.8	152.5	153.6	154.7	154.6	2.2
2003	160.6	161.6	163.2	163.9	3.1	155.3	156.1	157.4	157.9	2.1

¹Excludes farm and household workers.²The regional coverage is as follows: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Table 6-4. Employment Cost Index, Private Industry Workers¹, Total Compensation and Wages and Salaries by Bargaining Status, Industry, Region², and Area Size, 1989–2003—Continued

(June 1989 = 100, not seasonally adjusted.)

Series and year	Total compensation					Wages and salaries				
	Indexes				Percent change for 12 months ended December	Indexes				Percent change for 12 months ended December
	March	June	September	December		March	June	September	December	
Midwest										
1989	98.9	100.0	101.0	101.9	4.1	99.1	100.0	100.8	101.6	3.5
1990	103.5	104.8	106.3	107.1	5.1	102.6	103.7	105.1	105.8	4.1
1991	108.5	109.7	111.2	112.2	4.8	106.9	107.7	108.9	109.9	3.9
1992	113.8	114.6	115.3	116.1	3.5	110.7	111.3	111.8	112.5	2.4
1993	117.9	119.3	120.1	121.2	4.4	113.5	114.6	115.2	116.5	3.6
1994	122.8	123.6	124.6	125.0	3.1	117.5	118.3	119.5	120.1	3.1
1995	125.8	126.9	127.7	128.3	2.6	120.9	122.2	123.0	123.6	2.9
1996	129.5	130.7	131.3	132.1	3.0	125.1	126.2	126.9	127.7	3.3
1997	133.3	134.7	136.2	136.9	3.6	129.0	130.4	132.2	133.0	4.2
1998	138.3	139.6	140.9	141.4	3.3	134.7	136.0	137.5	138.0	3.8
1999	141.7	143.6	145.0	146.3	3.5	138.9	141.0	142.4	143.6	4.1
2000	148.9	150.7	152.2	153.3	4.8	145.3	147.1	148.6	149.6	4.2
2001	154.8	156.0	157.4	158.6	3.5	150.9	152.3	153.6	154.7	3.4
2002	161.1	162.6	163.5	164.6	3.8	157.1	158.5	159.2	160.2	3.6
2003	169.0	170.4	171.7	172.5	4.8	164.1	165.0	166.1	166.5	3.9
West										
1989	98.8	100.0	101.0	101.8	4.2	99.1	100.0	100.8	101.4	3.3
1990	103.3	104.5	105.6	106.3	4.4	102.5	104.0	104.8	105.4	3.9
1991	107.5	108.9	110.0	110.9	4.3	106.4	107.6	108.6	109.4	3.8
1992	111.9	112.9	114.1	114.9	3.6	110.2	111.1	112.2	112.8	3.1
1993	116.2	116.4	117.8	118.1	2.8	113.6	113.7	115.3	115.7	2.6
1994	119.4	120.5	121.3	121.7	3.0	116.6	117.9	118.1	119.0	2.9
1995	122.6	123.4	123.9	125.0	2.7	119.9	120.9	121.4	122.7	3.1
1996	125.9	127.3	128.3	128.9	3.1	123.3	124.8	125.8	126.5	3.1
1997	130.3	131.4	132.5	133.4	3.5	127.7	128.9	130.2	131.2	3.7
1998	135.2	136.6	138.5	140.0	4.9	132.9	134.5	136.7	138.4	5.5
1999	140.3	142.1	143.3	144.7	3.4	138.2	140.2	141.3	142.6	3.0
2000	147.0	148.8	150.8	151.8	4.9	144.7	146.3	148.2	149.2	4.6
2001	154.3	156.0	157.6	159.4	5.0	151.3	152.9	154.3	156.0	4.6
2002	160.4	162.9	163.8	165.0	3.5	156.4	158.7	159.3	160.1	2.6
2003	167.3	169.5	171.4	172.2	4.4	161.3	163.1	164.7	165.2	3.2
WORKERS BY AREA SIZE										
Metropolitan areas										
1989	98.8	100.0	101.4	102.2	4.9	99.0	100.0	101.3	102.1	4.4
1990	103.9	105.1	106.3	107.1	4.8	103.3	104.4	105.4	106.1	3.9
1991	108.5	109.8	111.0	111.8	4.4	107.3	108.4	109.3	110.1	3.8
1992	113.1	113.9	114.8	115.6	3.4	110.9	111.6	112.3	112.9	2.5
1993	117.1	118.1	119.1	119.8	3.6	113.9	114.7	115.8	116.5	3.2
1994	120.9	121.9	122.9	123.4	3.0	117.2	118.1	119.1	119.7	2.7
1995	124.5	125.4	126.2	126.8	2.8	120.6	121.6	122.4	123.2	2.9
1996	128.0	129.1	130.0	130.6	3.0	124.6	125.8	126.7	127.4	3.4
1997	131.7	132.8	133.9	135.1	3.4	128.7	129.9	131.1	132.3	3.8
1998	136.4	137.5	139.1	139.8	3.5	133.8	135.1	136.9	137.7	4.1
1999	140.4	142.0	143.3	144.7	3.5	138.3	139.9	141.2	142.5	3.5
2000	146.9	148.6	150.1	151.0	4.4	144.1	145.7	147.1	148.0	3.9
2001	153.1	154.6	156.0	157.4	4.2	149.8	151.2	152.4	153.7	3.9
2002	159.1	160.9	161.8	162.5	3.2	155.1	156.7	157.4	157.9	2.7
2003	165.2	166.6	168.3	169.1	4.1	159.6	160.7	162.2	162.7	3.0
Other areas										
1989	99.4	100.0	100.8	102.0	3.1	99.6	100.0	100.7	101.9	3.0
1990	103.6	105.2	106.0	106.8	4.7	103.0	104.6	105.3	106.0	4.0
1991	108.4	109.9	110.7	111.2	4.1	107.2	108.4	109.0	109.4	3.2
1992	113.1	113.7	114.8	115.6	4.0	110.7	111.2	112.0	112.8	3.1
1993	117.0	117.8	118.7	119.7	3.5	113.5	114.4	115.0	115.8	2.7
1994	121.3	122.5	123.2	123.5	3.2	117.0	118.1	118.6	119.0	2.8
1995	124.8	125.3	126.1	126.5	2.4	120.5	121.3	122.1	122.4	2.9
1996	127.2	128.0	128.7	130.2	2.9	123.4	124.2	125.0	126.5	3.3
1997	131.4	132.4	133.8	135.3	3.9	127.7	128.8	130.4	132.0	4.3
1998	135.9	137.1	138.2	139.4	3.0	132.5	133.4	134.7	136.0	3.0
1999	140.5	141.8	143.1	143.6	3.0	137.1	138.4	139.8	140.2	3.1
2000	146.0	147.7	148.8	150.3	4.7	142.2	143.7	144.7	146.0	4.1
2001	152.1	153.7	154.8	155.6	3.5	147.4	148.8	149.7	150.5	3.1
2002	157.5	158.5	160.0	160.8	3.3	151.7	152.6	153.8	154.8	2.9
2003	163.5	165.0	166.1	166.9	3.8	156.8	158.0	158.9	159.5	3.0

¹Excludes farm and household workers.

²The regional coverage is as follows: Northeast: Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, and Vermont; South: Alabama, Arkansas, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia; Midwest: Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, and Wisconsin; and West: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming.

Table 6-5. Employer Compensation Costs per Hour Worked for Employee Compensation and Costs as a Percent of Total Compensation: Private Industry Workers, by Major Industry Group, March 2004

(Dollars, percent of total cost.)

Compensation component	Goods-producing ¹						Service-providing ²					
	All goods-producing ¹		Construction		Manufacturing		All service-providing ²		Trade, transportation, and utilities		Information	
	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent
TOTAL COMPENSATION	\$27.19	100.0	\$27.17	100.0	\$26.97	100.0	\$22.33	100.0	\$19.45	100.0	33.66	100.0
WAGES AND SALARIES	18.12	66.7	19.02	70.0	17.59	65.2	16.28	72.9	14.07	72.3	23.73	70.5
TOTAL BENEFITS	9.06	33.3	8.15	30.0	9.39	34.8	6.05	27.1	5.38	27.7	9.94	29.5
Paid Leave	1.68	6.2	0.94	3.5	1.99	7.4	1.45	6.5	1.11	5.7	2.76	8.2
Vacation pay	0.86	3.2	0.54	2.0	0.99	3.7	0.71	3.2	0.54	2.8	1.35	4.0
Holiday pay	0.61	2.3	0.32	1.2	0.74	2.7	0.49	2.2	0.37	1.9	0.90	2.7
Sick leave	0.13	0.5	0.06	0.2	0.17	0.6	0.19	0.9	0.15	0.8	0.30	0.9
Other leave pay	0.07	0.3	0.02	0.1	0.10	0.4	0.06	0.3	0.04	0.2	0.21	0.6
Supplemental Pay	1.12	4.1	1.01	3.7	1.17	4.4	0.54	2.4	0.44	2.2	1.02	3.0
Overtime and premium pay ³	0.56	2.1	0.49	1.8	0.59	2.2	0.16	0.7	0.21	1.1	0.31	0.9
Shift differentials	0.08	0.3	(4)	(5)	0.12	0.4	0.05	0.2	0.02	0.1	0.05	0.2
Nonproduction bonuses	0.48	1.8	0.50	1.8	0.47	1.7	0.33	1.5	0.20	1.0	0.66	2.0
Insurance	2.26	8.3	1.76	6.5	2.45	9.1	1.50	6.7	1.43	7.4	2.57	7.6
Life insurance	0.06	0.2	0.03	0.1	0.06	0.2	0.04	0.2	0.04	0.2	0.06	0.2
Health insurance	2.11	7.8	1.69	6.2	2.27	8.4	1.39	6.2	1.33	6.9	2.33	6.9
Short-term disability	0.07	0.3	0.03	0.1	0.08	0.3	0.04	0.2	0.04	0.2	0.11	0.3
Long-term disability	0.03	0.1	(4)	(5)	0.04	0.1	0.03	0.2	0.02	0.1	0.08	0.2
Retirement And Savings	1.32	4.8	1.25	4.6	1.33	4.9	0.67	3.0	0.62	3.2	1.12	3.3
Defined benefit plans	0.82	3.0	0.77	2.8	0.84	3.1	0.26	1.2	0.33	1.7	0.52	1.5
Defined contribution plans	0.49	1.8	0.48	1.7	0.50	1.8	0.41	1.8	0.29	1.5	0.60	1.8
Legally Required Benefits	2.59	9.5	3.19	11.8	2.31	8.6	1.86	8.3	1.77	9.1	2.36	7.0
Social Security and Medicare	1.56	5.7	1.59	5.8	1.53	5.7	1.35	6.1	1.16	6.0	1.94	5.8
Social Security ⁶	1.26	4.6	1.28	4.7	1.24	4.6	1.09	4.9	0.94	4.8	1.55	4.6
Medicare	0.30	1.1	0.31	1.1	0.30	1.1	0.27	1.2	0.22	1.2	0.39	1.2
Federal unemployment insurance	0.03	0.1	0.03	0.1	0.03	0.1	0.03	0.2	0.04	0.2	0.03	0.1
State unemployment insurance	0.17	0.6	0.19	0.7	0.16	0.6	0.12	0.6	0.12	0.6	0.12	0.4
Workers' compensation	0.84	3.1	1.39	5.1	0.58	2.2	0.35	1.6	0.46	2.3	0.27	0.8
Other Benefits ⁷	0.08	0.3	(4)	(5)	0.12	0.5	0.02	0.1	(4)	(5)	0.09	0.3

¹Includes mining, construction, and manufacturing. The agriculture, forestry, farming and hunting sector is excluded.

²Includes utilities; wholesale trade; retail trade; transportation and warehousing; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; and other services, except public administration.

³Includes premium pay for work in addition to the regular work schedule (such as overtime, weekends, and holidays).

⁴Cost per hour worked is \$0.01 or less.

⁵Less than .05 percent.

⁶Comprises the Old-Age, Survivors, and Disability Insurance (OASDI) program.

⁷Includes severance pay and supplemental unemployment benefits.

Table 6-5. Employer Compensation Costs per Hour Worked for Employee Compensation and Costs as a Percent of Total Compensation: Private Industry Workers, by Major Industry Group, March 2004—Continued

(Dollars, percent of total cost.)

Compensation component	Service-providing ²									
	Financial activities		Professional and business services		Education and health services		Leisure and hospitality		Other services	
	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent
TOTAL COMPENSATION	31.03	100.0	26.98	100.0	25.08	100.0	10.39	100.0	20.27	100.0
WAGES AND SALARIES	21.70	69.9	19.90	73.8	18.31	73.0	8.23	79.3	14.90	73.5
TOTAL BENEFITS	9.33	30.1	7.08	26.2	6.76	27.0	2.16	20.7	5.37	26.5
Paid Leave	2.21	7.1	1.86	6.9	1.83	7.3	0.32	3.1	1.28	6.3
Vacation pay	1.07	3.5	0.88	3.3	0.91	3.6	0.17	1.7	0.60	3.0
Holiday pay	0.75	2.4	0.67	2.5	0.59	2.4	0.10	1.0	0.45	2.2
Sick leave	0.29	0.9	0.23	0.9	0.25	1.0	0.04	0.4	0.19	0.9
Other leave pay	0.10	0.3	0.08	0.3	0.07	0.3	(4)	(5)	0.04	0.2
Supplemental Pay	1.34	4.3	0.74	2.8	0.41	1.6	0.13	1.2	0.32	1.6
Overtime and premium pay ³	0.09	0.3	0.16	0.6	0.16	0.6	0.08	0.8	0.12	0.6
Shift differentials	(4)	(5)	0.03	0.1	0.15	0.6	(4)	(5)	0.03	0.2
Nonproduction bonuses	1.24	4.0	0.55	2.0	0.10	0.4	0.04	0.4	0.17	0.9
Insurance	2.31	7.4	1.56	5.8	1.77	7.1	0.42	4.0	1.34	6.6
Life insurance	0.07	0.2	0.05	0.2	0.04	0.1	(4)	(5)	0.03	0.2
Health insurance	2.12	6.8	1.42	5.3	1.66	6.6	0.40	3.8	1.26	6.2
Short-term disability	0.06	0.2	0.05	0.2	0.04	0.1	(4)	(5)	0.02	0.1
Long-term disability	0.06	0.2	0.05	0.2	0.04	0.2	(4)	(5)	0.03	0.1
Retirement And Savings	1.26	4.1	0.75	2.8	0.72	2.9	0.10	1.0	0.59	2.9
Defined benefit plans	0.47	1.5	0.28	1.0	0.16	0.7	0.03	0.3	0.20	1.0
Defined contribution plans	0.80	2.6	0.47	1.8	0.55	2.2	0.08	0.7	0.39	1.9
Legally Required Benefits	2.11	6.8	2.13	7.9	2.02	8.1	1.18	11.4	1.83	9.0
Social Security and Medicare	1.72	5.6	1.63	6.0	1.54	6.1	0.78	7.5	1.24	6.1
Social Security ⁶	1.36	4.4	1.30	4.8	1.24	4.9	0.63	6.1	1.00	4.9
Medicare	0.37	1.2	0.33	1.2	0.30	1.2	0.15	1.4	0.24	1.2
Federal unemployment insurance	0.03	0.1	0.03	0.1	0.03	0.1	0.04	0.4	0.03	0.2
State unemployment insurance	0.13	0.4	0.15	0.6	0.12	0.5	0.10	1.0	0.13	0.6
Workers' compensation	0.22	0.7	0.32	1.2	0.34	1.3	0.26	2.5	0.43	2.1
Other Benefits ⁷	0.10	0.3	0.03	0.1	(4)	(5)	(4)	(5)	(4)	(5)

Note: The sum of individual items may not equal totals due to rounding.

²Includes utilities; wholesale trade; retail trade; transportation and warehousing; information; finance and insurance; real estate and rental and leasing; professional and technical services; management of companies and enterprises; administrative and waste services; educational services; health care and social assistance; arts, entertainment and recreation; accommodation and food services; and other services, except public administration.

³Includes premium pay for work in addition to the regular work schedule (such as overtime, weekends, and holidays).

⁴Cost per hour worked is \$0.01 or less.

⁵Less than .05 percent.

⁶Comprises the Old-Age, Survivors, and Disability Insurance (OASDI) program.

⁷Includes severance pay and supplemental unemployment benefits.

Table 6-6. Employer Compensation Costs per Hour Worked for Employee Compensation and Costs as a Percent of Total Compensation: Private Industry Workers, by Census Area and Region, March 2004

(Dollars, percent of total cost.)

Compensation component	Northeast		South		Midwest		West		Metropolitan area		Nonmetropolitan area	
	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent
TOTAL COMPENSATION	\$26.29	\$100.00	\$20.80	\$100.00	\$23.26	\$100.00	\$24.54	\$100.00	\$23.66	\$100.00	\$19.00	\$100.00
WAGES AND SALARIES	18.49	70.4	15.08	72.5	16.53	71.1	17.58	71.6	16.93	71.6	13.30	70.0
TOTAL BENEFITS	7.79	29.6	5.72	27.5	6.73	28.9	6.97	28.4	6.73	28.4	5.70	30.0
Paid Leave	1.83	6.9	1.29	6.2	1.44	6.2	1.58	6.4	1.53	6.5	1.16	6.1
Vacation	0.88	3.3	0.64	3.1	0.71	3.1	0.80	3.2	0.75	3.2	0.61	3.2
Holiday	0.64	2.4	0.44	2.1	0.50	2.2	0.53	2.2	0.53	2.2	0.39	2.1
Sick	0.23	0.9	0.15	0.7	0.16	0.7	0.20	0.8	0.19	0.8	0.11	0.6
Other	0.08	0.3	0.05	0.3	0.07	0.3	0.05	0.2	0.06	0.3	0.05	0.3
Supplemental Pay	0.92	3.5	0.52	2.5	0.71	3.0	0.57	2.3	0.67	2.8	0.56	2.9
Overtime and Premium Pay ¹	0.22	0.8	0.22	1.1	0.28	1.2	0.24	1.0	0.23	1.0	0.30	1.6
Shift differentials	0.06	0.2	0.05	0.2	0.07	0.3	0.05	0.2	0.06	0.2	0.07	0.4
Nonproduction bonuses	0.64	2.4	0.26	1.2	0.35	1.5	0.28	1.2	0.38	1.6	0.18	1.0
Insurance	1.87	7.1	1.46	7.0	1.75	7.5	1.65	6.7	1.65	7.0	1.63	8.6
Life insurance	0.05	0.2	0.04	0.2	0.04	0.2	0.04	0.1	0.04	0.2	0.04	0.2
Health insurance	1.72	6.5	1.34	6.5	1.62	7.0	1.55	6.3	1.53	6.5	1.52	8.0
Short-term disability	0.06	0.2	0.04	0.2	0.05	0.2	0.03	0.1	0.05	0.2	0.05	0.2
Long-term disability	0.04	0.1	0.03	0.2	0.03	0.1	0.03	0.1	0.03	0.1	0.02	0.1
Retirement And Savings	0.94	3.6	0.66	3.2	0.84	3.6	0.82	3.4	0.81	3.4	0.61	3.2
Defined benefit	0.40	1.5	0.29	1.4	0.45	1.9	0.38	1.6	0.38	1.6	0.28	1.5
Defined contribution	0.54	2.0	0.38	1.8	0.39	1.7	0.44	1.8	0.44	1.8	0.33	1.7
Legally Required Benefits	2.19	8.3	1.76	8.4	1.94	8.3	2.33	9.5	2.03	8.6	1.73	9.1
Social Security and Medicare	1.56	5.9	1.27	6.1	1.38	5.9	1.47	6.0	1.42	6.0	1.15	6.1
Social Security ²	1.25	4.7	1.02	4.9	1.10	4.7	1.18	4.8	1.14	4.8	0.93	4.9
Medicare	0.31	1.2	0.25	1.2	0.27	1.2	0.29	1.2	0.28	1.2	0.22	1.2
Federal unemployment insurance	0.03	0.1	0.03	0.2	0.03	0.1	0.03	0.1	0.03	0.1	0.03	0.2
State unemployment insurance	0.18	0.7	0.09	0.4	0.13	0.6	0.16	0.6	0.13	0.6	0.13	0.7
Workers' compensation	0.42	1.6	0.36	1.7	0.40	1.7	0.67	2.7	0.45	1.9	0.42	2.2
Other Benefits ³	0.05	0.2	0.03	0.1	0.05	0.2	0.02	0.1	0.04	0.2	(4)	(5)

Note: The sum of individual items may not equal totals due to rounding.

¹Includes premium pay for work in addition to the regular work schedule (such as overtime, weekends, and holidays).

²Comprises the Old-Age, Survivors, and Disability Insurance (OASDI) program.

³Includes severance pay and supplemental unemployment benefits.

⁴Cost per hour worked is \$0.01 or less.

⁵Less than .05 percent.

Table 6-7. Employer Compensation Costs per Hour Worked for Employee Compensation and Costs as a Percent of Total Compensation, State and Local Government, by Major Occupational and Industry Group, March 2004

(Dollars, percent of total cost.)

Compensation component	All workers		Occupational group ¹						Industry group	
	Cost	Percent	Management, professional, and related		Sales and office		Service		Service-providing ²	
			Cost	Percent	Cost	Percent	Cost	Percent	Cost	Percent
TOTAL COMPENSATION	34.21	100.0	41.63	100.0	23.32	100.0	25.94	100.0	34.36	100.0
WAGES AND SALARIES	23.69	69.2	30.05	72.2	14.97	64.2	16.44	63.4	23.82	69.3
TOTAL BENEFITS	10.52	30.8	11.59	27.8	8.35	35.8	9.50	36.6	10.53	30.7
Paid Leave	2.60	7.6	2.79	6.7	2.23	9.5	2.38	9.2	2.60	7.6
Vacation pay	0.90	2.6	0.80	1.9	0.90	3.9	1.02	3.9	0.89	2.6
Holiday pay	0.86	2.5	0.94	2.3	0.73	3.1	0.76	2.9	0.86	2.5
Sick leave	0.64	1.9	0.80	1.9	0.46	2.0	0.43	1.7	0.64	1.9
Other leave pay	0.20	0.6	0.25	0.6	0.13	0.6	0.16	0.6	0.21	0.6
Supplemental Pay	0.30	0.9	0.18	0.4	0.16	0.7	0.61	2.3	0.30	0.9
Overtime and premium pay ³	0.14	0.4	0.04	0.1	0.07	0.3	0.32	1.2	0.13	0.4
Shift pay	0.06	0.2	0.05	0.1	0.02	0.1	0.14	0.5	0.06	0.2
Nonproduction bonuses	0.10	0.3	0.10	0.2	0.07	0.3	0.16	0.6	0.10	0.3
Insurance	3.48	10.2	3.82	9.2	3.18	13.6	2.82	10.9	3.48	10.1
Life insurance	0.06	0.2	0.07	0.2	0.05	0.2	0.04	0.2	0.06	0.2
Health insurance	3.35	9.8	3.68	8.8	3.08	13.2	2.68	10.3	3.35	9.7
Short-term disability	0.03	0.1	0.02	0.1	0.02	0.1	0.08	0.3	0.04	0.1
Long-term disability	0.04	0.1	0.05	0.1	0.03	0.1	0.02	0.1	0.04	0.1
Retirement And Savings	2.07	6.1	2.43	5.8	1.27	5.4	2.00	7.7	2.08	6.1
Defined benefit plans	1.83	5.3	2.11	5.1	1.11	4.8	1.86	7.2	1.83	5.3
Defined contribution plans	0.25	0.7	0.32	0.8	0.15	0.7	0.13	0.5	0.25	0.7
Legally Required Benefits	2.02	5.9	2.31	5.6	1.48	6.4	1.64	6.3	2.02	5.9
Social Security and Medicare	1.57	4.6	1.95	4.7	1.14	4.9	1.02	3.9	1.58	4.6
Social Security ⁴	1.21	3.5	1.50	3.6	0.90	3.9	0.77	3.0	1.22	3.5
Medicare	0.36	1.0	0.45	1.1	0.24	1.0	0.25	1.0	0.36	1.1
Federal unemployment insurance	(5)	(6)	(5)	(6)	(5)	(6)	(5)	(6)	(5)	(6)
State unemployment insurance	0.06	0.2	0.05	0.1	0.05	0.2	0.07	0.3	0.06	0.2
Workers' compensation	0.39	1.1	0.31	0.8	0.29	1.2	0.55	2.1	0.39	1.1
Other Benefits ⁷	0.05	0.2	0.06	0.1	0.03	0.1	0.05	0.2	0.05	0.2

Note: The sum of individual items may not equal totals due to rounding.

¹This table presents data for the three major occupational groups in state and local government: management, professional, and related occupations, including teachers; sales and office occupations, including clerical workers; and service occupations, including police and firefighters.

²Service-providing industries, which include health and educational services, employ a large part of the state and local government workforce.

³Includes premium pay for work in addition to the regular work schedule (such as overtime, weekends, and holidays).

⁴Comprises the Old-Age, Survivors, and Disability Insurance (OASDI) program.

⁵Cost per hour worked is \$0.01 or less.

⁶Less than .05 percent.

⁷Includes severance pay and supplemental unemployment benefits

Table 6-8. Employer Compensation Costs per Hour Worked for Employee Compensation and Costs as a Percent of Total Compensation: State and Local Government Workers, by Occupational and Industry Workers, March 2004

(Dollars, percent of total compensation.)

Series	Total compensation	Wages and Salaries	Cost per hour worked by year						
			Total	Paid Leave	Supplemental pay	Insurance	Retirement and savings	Legally required benefits	Other benefits ¹
State and local government workers	34.21	23.69	10.52	2.60	0.30	3.48	2.07	2.02	0.05
Occupational Group									
Management, professional, and related	41.63	30.05	11.59	2.79	0.18	3.82	2.43	2.31	0.06
Professional and related	41.36	30.17	11.19	2.49	0.18	3.77	2.39	2.29	0.06
Teachers ²	46.41	34.69	11.73	2.37	0.10	3.87	2.84	2.48	0.07
Primary, secondary, and special education school teachers ...	45.08	33.47	11.61	2.35	0.10	4.08	2.66	2.33	0.09
Sales and office	23.32	14.97	8.35	2.23	0.16	3.18	1.27	1.48	0.03
Office and administrative support	23.31	14.97	8.35	2.22	0.16	3.18	1.27	1.48	0.03
Service	25.94	16.44	9.50	2.38	0.61	2.82	2.00	1.64	0.05
Industry and Health Services									
Education and health services	36.08	25.95	10.13	2.37	0.20	3.46	2.02	2.02	0.05
Educational services	36.76	26.62	10.14	2.27	0.13	3.54	2.12	2.02	0.05
Elementary and secondary schools	35.96	26.13	9.83	2.03	0.11	3.69	2.00	1.94	0.07
Junior colleges, colleges, and universities	39.37	28.27	11.10	2.98	0.17	3.14	2.52	2.28	(3)
Health care and social assistance	31.51	21.45	10.06	3.06	0.68	2.93	1.32	2.04	0.04
Hospitals	28.80	19.19	9.61	2.90	0.70	2.69	1.26	2.01	0.05
Public administration	31.39	20.25	11.15	2.98	0.46	3.47	2.24	1.93	0.06
Percent of Total Compensation									
State and local government workers	100.00	69.20	30.80	7.60	0.90	10.20	6.10	5.90	0.20
Occupational Group									
Management, professional, and related	100.00	72.20	27.80	6.70	0.40	9.20	5.80	5.60	0.10
Professional and related	100.00	72.90	27.10	6.00	0.40	9.10	5.80	5.50	0.20
Teachers ²	100.00	74.70	25.30	5.10	0.20	8.30	6.10	5.30	0.20
Primary, secondary, and special education school teachers ...	100.00	74.20	25.80	5.20	0.20	9.10	5.90	5.20	0.20
Sales and office	100.00	64.20	35.80	9.50	0.70	13.60	5.40	6.40	0.10
Office and administrative support	100.00	64.20	35.80	9.50	0.70	13.60	5.50	6.30	0.10
Service	100.00	63.40	36.60	9.20	2.30	10.90	7.70	6.30	0.20
Industry Group									
Education and health services	100.00	71.90	28.10	6.60	0.50	9.60	5.60	5.60	0.10
Educational services	100.00	72.40	27.60	6.20	0.30	9.60	5.80	5.50	0.10
Elementary and secondary schools	100.00	72.70	27.30	5.60	0.30	10.30	5.50	5.40	0.20
Junior colleges, colleges, and universities	100.00	71.80	28.20	7.60	0.40	8.00	6.40	5.80	(4)
Health care and social assistance	100.00	68.10	31.90	9.70	2.10	9.30	4.20	6.50	0.10
Hospitals	100.00	66.60	33.40	10.10	2.40	9.30	4.40	7.00	0.20
Public administration	100.00	64.50	35.50	9.50	1.50	11.10	7.10	6.10	0.20

Note: The sum of individual items may not equal totals due to rounding.

¹Includes severance pay and supplemental unemployment benefits.

²Includes postsecondary teachers; primary, secondary, and special education teachers; and other teachers and instructors.

³Cost per hour worked is \$0.01 or less.

⁴Less than .05 percent.

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NOTES AND DEFINITIONS

EMPLOYEE BENEFITS SURVEY

NOTE: The Employee Benefits Survey is now part of the National Compensation Survey (NCS), which also includes the Employment Cost Index.

The statistics in this chapter represent a transitional step in the integration of data on employee benefits into the NCS. The tables contain data on all workers in private industry for 1999 and 2000, and March 2003. The intervening years are not available. Prior to 1999, surveys of different sectors of the economy were conducted in alternating years; medium and large private establishments were studied during odd years, and small private establishments during even years. Since those surveys have been replaced by the new survey the tables previously presented in this handbook have been discontinued. In the future, the data for all private workers will be collected and published annually.

Definition of Survey Terms

Incidence refers to different methods of computing the number or percentage of employees that receive a benefit plan or specific benefit feature. Access to a benefit is determined on an occupational basis within an establishment; either all employees or no employees in an occupation in an establishment have the benefit available to them. The benefits published in Table 5–10 refer to employee access.

Participation refers to the proportion of employees covered by a benefit. There will be cases where employees

with access to a plan will not participate. For example, some employees may decline to participate in a health insurance plan if there is an employee cost involved. The benefits published in Table 5–9 refer to employee participation. For a listing of selected benefit definitions, see *Glossary of Compensation Terms*, U.S. Department of Labor, Bureau of Labor Statistics, August 1998, Report 923.

Survey Scope

The 2000 NCS benefits incidence survey obtained data from 1,436 private industry establishments, representing over 107 million workers; of this number, nearly 86 million were full-time workers and the remainder—nearly 22 million—were part-time workers. The NCS uses the establishment's definition of full- and part-time status. For purposes of this survey, an establishment is an economic unit that produces goods or services, a central administrative office, or an auxiliary unit providing support services to a company. For private industries, the establishment is usually at a single physical location.

Sources of Additional Information

For a listing of selected benefit definitions, see *Glossary of Compensation Terms*, BLS, August 1998, Report 923. Additional data and further information on methodology and sampling are available in BLS Bulletin 2555, January 2003. The NCS was described in an article in the fifth edition of this Handbook.

Table 6-9. Percent of Workers that are Participating in or Have Access to Selected Benefits, March 2003

(Percent.)

Benefit program	Total employees	Worker characteristic ¹						Establishment characteristic				
		White-collar occupations	Blue-collar occupations	Service occupations	Full-time	Part-time	Union	Nonunion	Goods-producing	Service-producing	1-99 workers	100 workers or more
PARTICIPATING IN SELECTED BENEFITS												
Retirement Benefits												
All	49	59	50	21	58	18	83	45	63	45	35	65
Defined benefit	20	22	24	7	24	8	72	15	31	16	8	33
Defined contribution	40	51	38	16	48	14	39	40	49	37	31	51
Health Care Benefits												
Medical care	45	50	51	22	56	9	60	44	57	42	36	55
Dental care	32	37	33	15	40	6	51	30	42	29	21	44
Vision care	19	21	20	9	23	5	37	17	25	17	11	27
Plan type not available	8	8	10	3	9	3	23	7	12	7	6	10
Insurance and Disability												
Life insurance	47	54	50	25	59	9	61	46	58	44	33	64
Short-term disability	37	40	44	20	45	12	68	34	54	32	26	50
Long-term disability	28	40	20	10	36	4	27	29	29	28	18	40
ACCESS TO SELECTED BENEFITS												
Selected Leave Benefits												
Paid holidays	79	86	85	54	91	43	91	78	90	76	74	86
Paid vacations	79	84	84	61	91	40	90	78	87	77	73	87
Paid jury duty	70	79	69	46	77	45	85	68	76	68	57	84
Paid military leave	50	59	46	34	56	33	56	50	56	48	38	64
Employer Assistance for Child Care												
Total	18	26	10	10	21	11	25	18	16	19	7	32
Employer provided funds	3	5	1	2	4	2	3	3	3	3	2	5
On-site and off-site child care	5	7	2	4	5	4	7	5	2	6	2	8
Child care resource and referral	10	15	6	5	12	5	15	10	11	10	3	19
Adoption assistance	9	13	6	2	10	5	13	9	9	9	3	16
Other Benefits												
Long-term care insurance	11	16	7	4	13	4	16	11	11	11	3	20
Flexible work place	4	6	1	1	4	3	3	4	3	4	2	5
Employer provided home PC	2	3	1	1	3	1	2	2	3	2	1	3
Subsidized commuting	5	7	4	2	6	2	8	5	5	5	2	9

¹Employees are classified as working either a full-time or part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining.

Table 6-10. Medical Care Benefits: Percent of Participants Required to Contribute and Average Employee Contribution, Private Industry, March 2003

(Percent, dollars.)

Benefit program	Total employees	Worker characteristic ¹							Establishment characteristic			
		White-collar occupations	Blue-collar occupations	Service occupations	Full-time	Part-time	Union	Nonunion	Goods-producing	Service-producing	1-99 workers	100 workers or more
Single Coverage												
Employee contributions not required	22	20	27	...	22	...	41	...	22	23	28	18
Employee contributions required	78	80	73	...	78	...	59	...	78	77	72	82
Average flat monthly contribution in dollars	60.24	61.95	55.22	...	59.63	...	49.40	...	50.87	64.15	66.63	56.03
Family Coverage												
Employee contributions not required	10	8	13	...	10	...	31	...	13	9	13	8
Employee contributions required	90	92	87	...	90	...	69	...	87	91	87	92
Average flat monthly contribution in dollars	228.98	236.17	208.18	...	227.52	...	174.60	...	190.81	244.08	263.24	204.52

¹Employees are classified as working either a full-time or part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining.

... = Not available.

Table 6-11. Mean Hourly Earnings and Weekly Hours by Selected Characteristics, Private Industry and State and Local Government, National Compensation Survey, ¹ July 2003

(Dollars, numbers.)

Worker and establishment characteristics and geographic areas	Total		Private		State and local government	
	Mean hourly earnings	Mean weekly hours	Mean hourly earnings	Mean weekly hours	Mean hourly earnings	Mean weekly hours
TOTAL	17.75	35.7	16.98	35.5	22.22	36.8
Worker characteristics ²						
White-collar occupations	21.85	36.1	21.12	36.0	25.09	36.6
Professional specialty and technical	28.37	36.2	27.73	36.3	29.80	36.1
Executive, administrative, and managerial	32.20	40.0	32.60	40.2	30.06	38.5
Sales	15.05	32.4	15.05	32.4	13.58	33.9
Administrative support	13.77	36.3	13.69	36.3	14.17	36.7
Blue-collar occupations	15.03	38.0	14.91	38.0	17.11	37.6
Precision production, craft, and repair	18.89	39.6	18.84	39.5	19.52	39.8
Machine operators, assemblers, and inspectors	13.30	39.1	13.29	39.1	16.52	38.5
Transportation and material moving	14.78	37.5	14.66	37.9	15.96	34.1
Handlers, equipment cleaners, helpers, and laborers	11.27	35.0	11.09	34.9	14.22	38.7
Service occupations	10.40	31.5	8.90	30.4	16.70	37.1
Full-time	18.79	39.6	18.07	39.7	22.62	38.8
Part-time	9.93	20.5	9.56	20.5	15.12	19.2
Union	21.45	36.9	19.52	36.9	24.22	36.8
Nonunion	16.96	35.4	16.63	35.3	20.29	36.8
Time	17.45	35.6	16.57	35.4	22.22	36.8
Incentive	22.82	36.9	22.82	36.9	...	...
Establishment characteristics						
Goods producing	(3)	(3)	18.46	39.5	(3)	(3)
Service producing	(3)	(3)	16.44	34.2	(3)	(3)
1 to 99 workers ⁴	15.06	34.5	15.03	34.5	17.32	36.5
100 to 499 workers	17.20	36.4	16.78	36.4	20.67	35.7
500 to 999 workers	19.48	36.9	18.57	37.1	22.56	36.1
1000 to 2499 workers	20.99	36.6	20.71	36.6	21.73	36.6
2500 workers or more	24.09	36.9	24.99	36.4	23.23	37.5
Geographic areas						
Metropolitan	18.29	35.6	17.54	35.4	23.09	36.8
Nonmetropolitan	14.17	36.2	12.99	36.0	18.56	37.0
New England	19.55	34.3	18.70	34.1	25.45	35.6
Middle Atlantic	20.03	34.9	19.08	34.8	25.53	35.6
East North Central	17.97	35.5	17.16	35.4	23.33	36.0
West North Central	17.03	35.1	16.30	34.7	21.09	37.4
South Atlantic	16.46	36.2	15.88	35.8	19.34	38.2
East South Central	14.45	36.2	13.97	36.1	18.34	36.9
West South Central	15.75	36.6	15.22	36.3	18.52	38.4
Mountain	16.63	35.8	15.65	35.6	22.34	37.2
Pacific	20.12	35.8	19.11	35.8	25.76	35.6

¹This survey covers all 50 states. Collection was conducted between December 2002 and January 2004. The average reference period was July 2003.²Employees are classified as working either a full-time or part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers are based solely on hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.³Classification of establishments into goods-producing and service-producing industries applies to private industry only.⁴Estimates include private establishments employing 1 to 99 workers and state and local government establishments employing 50 to 99 workers.

... = Not available.

Table 6-12. Mean Hourly Earnings and Weekly Hours for Selected Characteristics, Metropolitan and Nonmetropolitan Areas,¹ National Compensation Survey,² July 2003

Occupation	Total		Metropolitan areas		Nonmetropolitan areas	
	Mean hourly earnings	Mean weekly hours	Mean hourly earnings	Mean weekly hours	Mean hourly earnings	Mean weekly hours
TOTAL	17.75	35.7	18.29	35.6	14.17	36.2
Private industry	16.98	35.5	17.54	35.4	12.99	36.0
State and local government	22.22	36.8	23.09	36.8	18.56	37.0
Worker characteristics³						
White-collar occupations	21.85	36.1	22.32	36.1	17.70	36.1
Professional specialty and technical	28.37	36.2	29.05	36.2	23.19	36.1
Executive, administrative, and managerial	32.20	40.0	32.76	40.0	25.87	39.8
Sales	15.05	32.4	15.47	32.3	11.08	33.2
Administrative support	13.77	36.3	14.02	36.3	11.62	36.5
Blue-collar occupations	15.03	38.0	15.30	37.8	13.60	38.7
Precision production, craft, and repair	18.89	39.6	19.30	39.5	16.43	39.8
Machine operators, assemblers, and inspectors	13.30	39.1	13.42	39.0	12.82	39.4
Transportation and material moving	14.78	37.5	14.89	37.4	14.17	38.2
Handlers, equipment cleaners, helpers, and laborers	11.27	35.0	11.46	34.8	10.18	36.4
Service occupations	10.40	31.5	10.68	31.1	9.10	33.2
Full-time	18.79	39.6	19.41	39.5	14.78	39.7
Part-time	9.93	20.5	10.07	20.4	8.91	20.7
Union	21.45	36.9	21.89	36.7	18.06	37.9
Nonunion	16.96	35.4	17.51	35.3	13.47	35.9
Time	17.45	35.6	17.97	35.5	14.08	36.1
Incentive	22.82	36.9	23.52	36.5	16.40	40.4
Establishment characteristics						
Goods producing ⁴	18.46	39.5	...	...	...	...
Service producing ⁴	16.44	34.2	...	...	...	...
1 to 99 workers ⁵	15.06	34.5	15.38	34.5	12.58	34.2
100 to 499 workers	17.20	36.4	17.74	36.3	14.62	36.9
500 to 999 workers	19.48	36.9	20.26	36.6	16.48	38.1
1000 to 2499 workers	20.99	36.6	21.97	36.4	15.88	38.1
2500 workers or more	24.09	36.9	24.63	36.8	13.74	40.1
Geographic areas						
New England	19.55	34.3	20.10	34.3	14.80	34.1
Middle Atlantic	20.03	34.9	20.24	34.9	16.15	35.3
East North Central	17.97	35.5	18.40	35.5	15.16	35.6
West North Central	17.03	35.1	17.98	35.1	13.64	35.2
South Atlantic	16.46	36.2	16.92	36.1	13.55	36.8
East South Central	14.45	36.2	15.57	35.0	12.43	38.6
West South Central	15.75	36.6	16.04	36.7	13.77	36.2
Mountain	16.63	35.8	16.77	35.8	15.95	35.8
Pacific	20.12	35.8	20.35	35.8	16.08	34.6

¹A metropolitan area can be a Metropolitan Statistical Area (MSA) or Consolidated Metropolitan Statistical Area (CMSA) as defined by the Office of Management and Budget, 1994. Nonmetropolitan areas are counties that do not fit the definitions above.

²This survey covers all 50 states. Collection was conducted between December 2002 and January 2004. The average reference period was July 2003.

³Employees are classified as working either a full-time or part-time schedule based on the definition used by each establishment. Union workers are those whose wages are determined through collective bargaining. Wages of time workers are based solely on hourly rate or salary; incentive workers are those whose wages are at least partially based on productivity payments such as piece rates, commissions, and production bonuses.

⁴Classification of establishments into goods-producing and service-producing industries applies to private industry only.

⁵Estimates include private establishments employing 1 to 99 workers and state and local government establishments employing 50 to 99 workers.

... = Not available.

Table 6-13. Mean Hourly Earnings and Weekly Hours for Selected Occupations, Full-Time and Part-Time Workers¹ National Compensation Survey,² July 2003

Occupation	Total		Full-time		Part-time	
	Mean hourly earnings	Mean weekly hours	Mean hourly earnings	Mean weekly hours	Mean hourly earnings	Mean weekly hours
ALL OCCUPATIONS	17.75	35.7	18.79	39.6	9.93	20.5
All, excluding sales	18.02	36.0	18.89	39.5	10.48	20.4
White-collar occupations	21.85	36.1	22.92	39.5	12.34	20.3
White collar, excluding sales	23.33	37.0	23.84	39.4	16.15	19.8
Professional specialty and technical	28.37	36.2	28.74	38.9	23.16	18.2
Professional specialty	30.60	36.3	30.94	38.9	25.24	17.5
Executive, administrative, and managerial	32.20	40.0	32.33	40.5	21.78	19.6
Executives, administrators, and managers	35.92	40.5	36.02	40.8	21.39	18.3
Sales	15.05	32.4	17.56	40.1	7.83	20.8
Administrative support, including clerical	13.77	36.3	14.07	39.3	10.94	21.1
Blue-collar occupations	15.03	38.0	15.38	40.0	9.71	21.4
Precision production, craft, and repair	18.89	39.6	18.97	40.0	12.77	21.4
Machine operators, assemblers, and inspectors	13.30	39.1	13.42	39.8	8.80	23.3
Transportation and material moving	14.78	37.5	15.18	40.9	10.81	20.6
Handlers, equipment cleaners, helpers, and laborers	11.27	35.0	11.69	39.7	9.01	21.4
Service	10.40	31.5	11.47	38.8	7.30	20.3

¹Total includes full-time and part-time workers. Employees are classified as working either a full-time or a part-time schedule based on the definition used by each establishment. Therefore, a worker with a 35-hour-per-week schedule might be considered a full-time employee in one establishment, but classified as part-time in another firm, where a 40-hour week is the minimum full-time schedule.

²This survey covers all 50 states. Collection was conducted between December 2002 and January 2004. The average reference period was July 2003.

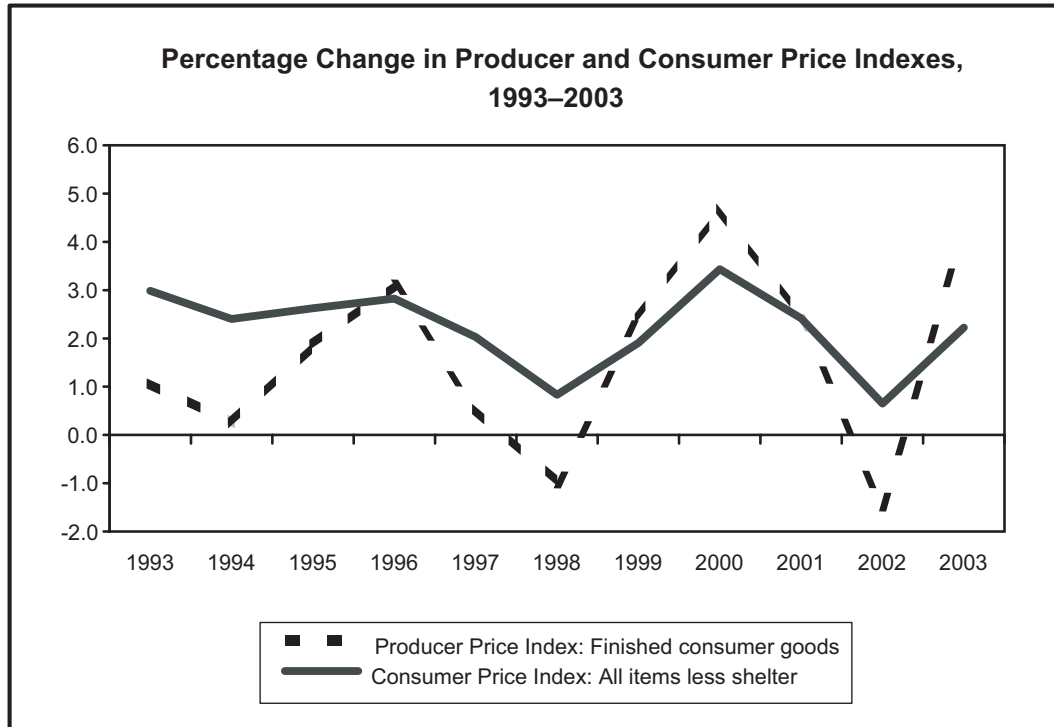
PART SEVEN

PRICES

PRICES

HIGHLIGHTS

This chapter covers one of the most important indicators of the state of the economy, the movement of prices. Three price indexes are covered: prices received by producers (PPI), prices paid by consumers (CPI) and prices involved in foreign trade, export, and import price indexes.



The Producer Price Index (PPI) for finished consumer goods rose 4.2 percent, almost twice as fast as the Consumer Price Index (CPI) for all items less shelter at 2.2 percent. (The producer price index has no shelter component.) The movement of both indexes reversed the declining trend of increases of the two previous years. (Table 7-1 for PPI and 7-5 for CPI)

OTHER HIGHLIGHTS:

- The PPI for both components of finished goods rose in 2003 after declining slightly in 2002. Indexes for finished consumer goods rose 3.2 percent and capital equipment rose slightly. (Table 7-1)
- The PPI for all commodities rose 5.3 percent, also after a decline in 2002, much of it a result of an increase of 21.1 percent in fuels and related products and power. Even if the 2002 decline is ignored, the change from 2001 was 7.2 percent. There were other unusual increases. Prices for chemicals and related products rose considerably, 6.5 percent after three years of relative stability. Prices of farm products also rose rapidly, 12.6 percent. (Table 7-2)
- The CPI continued to increase modestly at 2.3 percent. The increase of 4.0 percent in medical care prices was noticeable. Prices of apparel declined and an increase in transportation prices of 3.1 percent included a motor fuel increase of 16 percent. (Table 7-4)
- Both import and export prices increased marginally from December 2002 to December 2003. (Table 7-12 and Table 7-13)

NOTES AND DEFINITIONS

PRODUCER PRICE INDEX

Coverage

The *Producer Price Index* (PPI) measures average changes in prices received by domestic producers of goods and services. Most of the information used in calculating the indexes is obtained through the systematic sampling of nearly every industry in the manufacturing and mining sectors of the economy. The PPI program also includes data from other sectors—agriculture, fishing, forestry, services, and gas and electricity. Because producer price indexes are designed to measure only the change in prices received for the output of domestic industries, *imports are not included*. The sample currently contains about 80,000 price quotations per month.

Producer price indexes are based on selling prices reported by establishments of all sizes selected by probability sampling, with the probability of selection proportionate to size. Individual items and transaction terms from these firms are also chosen by probability proportionate to size. BLS strongly encourages cooperating companies to supply actual transaction prices at the time of shipment to minimize the use of list prices. Prices are normally reported monthly by mail questionnaire for the Tuesday of the week containing the 13th.

Price data are always provided on a voluntary and confidential basis; only BLS employees, sworn to secrecy, are allowed access to individual company price reports. The Bureau publishes price indexes instead of unit dollar prices. All producer price indexes are routinely subject to revision once, four months after original publication, to reflect the availability of late reports and corrections by respondents.

There are three primary systems of indexes within the PPI program: (1) stage-of-processing indexes; (2) indexes for the net output of industries and their products; and (3) commodity indexes. The commodity-based stage-of-processing structure organizes products by class of buyer and degree of fabrication. The entire output of various industries is sampled to derive price indexes for the net output of industries and their products. The commodity structure organizes products by similarity of end-use or material composition.

Within the commodity stage-of-processing system, finished goods are commodities that will not undergo further processing and are ready for sale to the final demand user, either an individual consumer or a business firm. Consumer foods include unprocessed foods, such as eggs and fresh vegetables, as well as processed foods, such as bakery products and meats. Other finished consumer goods include durable goods, such as automobiles, household furniture, and appliances; and nondurable

goods, such as apparel and home heating oil. Capital equipment includes producer durable goods, such as heavy motor trucks, tractors, and machine tools.

The stage-of-processing category for intermediate materials, supplies, and components consists partly of commodities that have been processed but require further processing. Examples of such semi-finished goods include flour, cotton, yarn, steel mill products, and lumber. The intermediate goods category also encompasses physically complete nondurable goods purchased by business firms as inputs for their operations. Examples include diesel fuel, belts and belting, paper boxes, and fertilizers.

Crude materials for further processing are products entering the market for the first time that have not been manufactured or fabricated and that are not sold directly to consumers. Crude foodstuffs and feedstuffs include items such as grains and livestock. Examples of crude nonfood materials include raw cotton, crude petroleum, coal, hides and skins, and iron and steel scrap.

Producer price indexes for the net output of industries and their products are grouped according to the Standard Industrial Classification (SIC) and the Census product code extensions of the SIC. Industry price indexes are compatible with other economic time series organized by SIC codes, such as data on employment, wages, and productivity.

Net output values of shipments are used as weights for industry indexes. Net output values refer to the value of shipments from establishments in one industry shipped to establishments classified in another industry. However, *weights for commodity price indexes* are based on gross shipment values, including shipment values between establishments within the same industry. As a result, commodity aggregate indexes, such as the *all commodities index*, are affected by the multiple counting of price change at successive stages of processing, which can lead to exaggerated or misleading signals about inflation. Stage-of-processing indexes partially correct this defect, but industry indexes consistently correct this weakness at all levels of aggregation. Therefore, industry and stage-of-processing indexes are more appropriate than commodity aggregate indexes for economic analysis of general price trends.

Weights for most traditional commodity groupings of the PPI, as well as all indexes calculated from traditional commodity groupings (such as stage-of-processing indexes), currently reflect 1992 values of shipments as reported in the *Census of Manufactures* and other sources. Major industry group indexes, which are based on the SIC system, are currently calculated using 1992 net output weights. BLS is in the process of updating weights to take effect in 2002. The source data will be the most recent data from the Census of Manufactures and the Bureau of

Economic Analysis. The new North American Industry Classification System (NAICS) is scheduled to be introduced in the PPI in 2004.

Sources of Additional Information

Additional information is published monthly by the BLS in the *Producer Price Index Detailed Report*. For information on the underlying concepts and methodology of the Producer Price Index, see Chapter 14 in the BLS *Handbook of Methods* available on the BLS Web site.

Table 7-1. Producer Price Indexes by Stage of Processing, 1947–2003

(1982 = 100.)

Year	Crude materials for further processing				Intermediate materials, supplies, and components						Finished goods		
	Total	Food-stuffs and feedstuffs	Nonfood materials, except fuel	Fuel	Total	Materials and components for construction	Components for manufacturing	Processed fuels and lubricants	Containers	Supplies	Total	Consumer goods	Capital equipment
1947	31.7	45.1	24.0	7.5	23.3	22.5	21.3	14.4	23.4	28.5	26.4	28.6	19.8
1948	34.7	48.8	26.7	8.9	25.2	24.9	23.0	16.4	24.4	29.8	28.5	30.8	21.6
1949	30.1	40.5	24.3	8.8	24.2	24.9	23.4	14.9	24.5	28.0	27.7	29.4	22.7
1950	32.7	43.4	27.8	8.8	25.3	26.2	24.3	15.2	25.2	29.0	28.2	29.9	23.2
1951	37.6	50.2	32.0	9.0	28.4	28.7	27.6	15.9	29.6	32.6	30.8	32.7	25.5
1952	34.5	47.3	27.8	9.0	27.5	28.5	27.6	15.7	28.0	32.6	30.6	32.3	25.9
1953	31.9	42.3	26.6	9.3	27.7	29.0	28.1	15.8	28.0	31.0	30.3	31.7	26.3
1954	31.6	42.3	26.1	8.9	27.9	29.1	28.3	15.8	28.5	31.7	30.4	31.7	26.7
1955	30.4	38.4	27.5	8.9	28.4	30.3	29.5	15.8	28.9	31.2	30.5	31.5	27.4
1956	30.6	37.6	28.6	9.5	29.6	31.8	32.2	16.3	31.0	32.0	31.3	32.0	29.5
1957	31.2	39.2	28.2	10.1	30.3	32.0	33.5	17.2	32.4	32.3	32.5	32.9	31.3
1958	31.9	41.6	27.1	10.2	30.4	32.0	33.8	16.2	33.2	33.1	33.2	33.6	32.1
1959	31.1	38.8	28.1	10.4	30.8	32.9	34.2	16.2	33.0	33.5	33.1	33.3	32.7
1960	30.4	38.4	26.9	10.5	30.8	32.7	34.0	16.6	33.4	33.3	33.4	33.6	32.8
1961	30.2	37.9	27.2	10.5	30.6	32.2	33.7	16.8	33.2	33.7	33.4	33.6	32.9
1962	30.5	38.6	27.1	10.4	30.6	32.1	33.4	16.7	33.6	34.5	33.5	33.7	33.0
1963	29.9	37.5	26.7	10.5	30.7	32.2	33.4	16.6	33.2	35.0	33.4	33.5	33.1
1964	29.6	36.6	27.2	10.5	30.8	32.5	33.7	16.2	32.9	34.7	33.5	33.6	33.4
1965	31.1	39.2	27.7	10.6	31.2	32.8	34.2	16.5	33.5	35.0	34.1	34.2	33.8
1966	33.1	42.7	28.3	10.9	32.0	33.6	35.4	16.8	34.5	36.5	35.2	35.4	34.6
1967	31.3	40.3	26.5	11.3	32.2	34.0	36.5	16.9	35.0	36.8	35.6	35.6	35.8
1968	31.8	40.9	27.1	11.5	33.0	35.7	37.3	16.5	35.9	37.1	36.6	36.5	37.0
1969	33.9	44.1	28.4	12.0	34.1	37.7	38.5	16.6	37.2	37.8	38.0	37.9	38.3
1970	35.2	45.2	29.1	13.8	35.4	38.3	40.6	17.7	39.0	39.7	39.3	39.1	40.1
1971	36.0	46.1	29.4	15.7	36.8	40.8	41.9	19.5	40.8	40.8	40.5	40.2	41.7
1972	39.9	51.5	32.3	16.8	38.2	43.0	42.9	20.1	42.7	42.5	41.8	41.5	42.8
1973	54.5	72.6	42.9	18.6	42.4	46.5	44.3	22.2	45.2	51.7	45.6	46.0	44.2
1974	61.4	76.4	54.5	24.8	52.5	55.0	51.1	33.6	53.3	56.8	52.6	53.1	50.5
1975	61.6	77.4	50.0	30.6	58.0	60.1	57.8	39.4	60.0	61.8	58.2	58.2	58.2
1976	63.4	76.8	54.9	34.5	60.9	64.1	60.8	42.3	63.1	65.8	60.8	60.4	62.1
1977	65.5	77.5	56.3	42.0	64.9	69.3	64.5	47.7	65.9	69.3	64.7	64.3	66.1
1978	73.4	87.3	61.9	48.2	69.5	76.5	69.2	49.9	71.0	72.9	69.8	69.4	71.3
1979	85.9	100.0	75.5	57.3	78.4	84.2	75.8	61.6	79.4	80.2	77.6	77.5	77.5
1980	95.3	104.6	91.8	69.4	90.3	91.3	84.6	85.0	89.1	89.9	88.0	88.6	85.8
1981	103.0	103.9	109.8	84.8	98.6	97.9	94.7	100.6	96.7	96.9	96.1	96.6	94.6
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	101.3	101.8	98.8	105.1	100.6	102.8	102.4	95.4	100.4	101.8	101.6	101.3	102.8
1984	103.5	104.7	101.0	105.1	103.1	105.6	105.0	95.7	105.9	104.1	103.7	103.3	105.2
1985	95.8	94.8	94.3	102.7	102.7	107.3	106.4	92.8	109.0	104.4	104.7	103.8	107.5
1986	87.7	93.2	76.0	92.2	99.1	108.1	107.5	72.7	110.3	105.6	103.2	101.4	109.7
1987	93.7	96.2	88.5	84.1	101.5	109.8	108.8	73.3	114.5	107.7	105.4	103.6	111.7
1988	96.0	106.1	85.9	82.1	107.1	116.1	112.3	71.2	120.1	113.7	108.0	106.2	114.3
1989	103.1	111.2	95.8	85.3	112.0	121.3	116.4	76.4	125.4	118.1	113.6	112.1	118.8
1990	108.9	113.1	107.3	84.8	114.5	122.9	119.0	85.9	127.7	119.4	119.2	118.2	122.9
1991	101.2	105.5	97.5	82.9	114.4	124.5	121.0	85.3	128.1	121.4	121.7	120.5	126.7
1992	100.4	105.1	94.2	84.0	114.7	126.5	122.0	84.5	127.7	122.7	123.2	121.7	129.1
1993	102.4	108.4	94.1	87.1	116.2	132.0	123.0	84.7	126.4	125.0	124.7	123.0	131.4
1994	101.8	106.5	97.0	82.4	118.5	136.6	124.3	83.1	129.7	127.0	125.5	123.3	134.1
1995	102.7	105.8	105.8	72.1	124.9	142.1	126.5	84.2	148.8	132.1	127.9	125.6	136.7
1996	113.8	121.5	105.7	92.6	125.7	143.6	126.9	90.0	141.1	135.9	131.3	129.5	138.3
1997	111.1	112.2	103.5	101.3	125.6	146.5	126.4	89.3	136.0	135.9	131.8	130.2	138.2
1998	96.8	103.9	84.5	86.7	123.0	146.8	125.9	81.1	140.8	134.8	130.7	128.9	137.6
1999	98.2	98.7	91.1	91.2	123.2	148.9	125.7	84.6	142.5	134.2	133.0	132.0	137.6
2000	120.6	100.2	118.0	136.9	129.2	150.7	126.2	102.0	151.6	136.9	138.0	138.2	138.8
2001	121.0	106.1	101.5	151.4	129.7	150.6	126.4	104.5	153.1	138.7	140.7	141.5	139.7
2002	108.1	99.5	101.0	117.3	127.8	151.3	126.1	96.3	152.1	138.9	138.9	139.4	139.1
2003	135.3	113.5	116.9	185.7	133.7	153.6	125.9	112.6	153.7	141.5	143.3	145.3	139.5

Table 7-2. Producer Price Indexes by Commodity Groups, 1913–2003

(1982 = 100.)

Year	All commodities	Farm products	Processed foods and feeds	Industrial commodities														
				Total	Textile products and apparel	Hides, leather, and related products	Fuels and related products and power	Chemicals and related products	Rubber and plastics products	Lumber and wood products	Pulp, paper, and allied products	Metals and metal products	Machinery and equipment	Furniture and household durables	Nonmetallic mineral products	Transportation equipment	Miscellaneous products	
1913	12.0	18.0	...	11.9
1914	11.8	17.9	...	11.3
1915	12.0	18.0	...	11.6
1916	14.7	21.3	...	15.0
1917	20.2	32.6	...	19.5
1918	22.6	37.4	...	21.1
1919	23.9	39.8	...	22.0
1920	26.6	38.0	...	27.4
1921	16.8	22.3	...	17.8
1922	16.7	23.7	...	17.4
1923	17.3	24.9	...	17.8
1924	16.9	25.2	...	17.0
1925	17.8	27.7	...	17.5
1926	17.2	25.3	...	17.0	...	17.1	10.3	...	47.1	9.3	...	13.7	...	28.6	16.4	...	...
1927	16.5	25.1	...	16.0	...	18.4	9.1	...	35.7	8.8	...	12.9	...	27.9	15.7	...	...
1928	16.7	26.7	...	15.8	...	20.7	8.7	...	28.3	8.5	...	12.9	...	27.2	16.2	...	...
1929	16.4	26.4	...	15.6	...	18.6	8.6	...	24.6	8.8	...	13.3	...	27.0	16.0	...	...
1930	14.9	22.4	...	14.5	...	17.1	8.1	...	21.5	8.0	...	12.0	...	26.5	15.9	...	...
1931	12.6	16.4	...	12.8	...	14.7	7.0	...	18.3	6.5	...	10.8	...	24.4	14.9	...	...
1932	11.2	12.2	...	11.9	...	12.5	7.3	...	15.9	5.6	...	9.9	...	21.5	13.9	...	...
1933	11.4	13.0	...	12.1	...	13.8	6.9	16.2	16.7	6.7	...	10.2	...	21.6	14.7	...	...
1934	12.9	16.5	...	13.3	...	14.8	7.6	17.0	19.5	7.8	...	11.2	...	23.4	15.7	...	...
1935	13.8	19.8	...	13.3	...	15.3	7.6	17.7	19.6	7.5	...	11.2	...	23.2	15.7	...	...
1936	13.9	20.4	...	13.5	...	16.3	7.9	17.8	21.1	7.9	...	11.4	...	23.6	15.8	...	...
1937	14.9	21.8	...	14.5	...	17.9	8.0	18.6	24.9	9.3	...	13.1	...	26.1	16.1	...	...
1938	13.5	17.3	...	13.9	...	15.8	7.9	17.7	24.4	8.5	...	12.6	...	25.5	15.6	...	...
1939	13.3	16.5	...	13.9	...	16.3	7.5	17.6	25.4	8.7	...	12.5	14.8	25.4	15.3	...	...
1940	13.5	17.1	...	14.1	...	17.2	7.4	17.9	23.7	9.6	...	12.5	14.9	26.0	15.3	...	...
1941	15.1	20.8	...	15.1	...	18.4	7.9	19.5	25.5	11.5	...	12.8	15.1	27.6	15.7	...	...
1942	17.0	26.7	...	16.2	...	20.1	8.1	21.7	29.7	12.5	...	13.0	15.4	29.9	16.3	...	...
1943	17.8	30.9	...	16.5	...	20.1	8.3	21.9	30.5	13.2	...	12.9	15.2	29.7	16.4	...	...
1944	17.9	31.2	...	16.7	...	19.9	8.6	22.2	30.1	14.3	...	12.9	15.1	30.5	16.7	...	...
1945	18.2	32.4	...	17.0	...	20.1	8.7	22.3	29.2	14.5	...	13.1	15.1	30.5	17.4	...	...
1946	20.8	37.5	...	18.6	...	23.3	9.3	24.1	29.3	16.6	...	14.7	16.6	32.4	18.5	...	...
1947	25.6	45.1	33.0	22.7	50.6	31.7	11.1	32.1	29.2	25.8	25.1	18.2	19.3	37.2	20.7	...	26.6	
1948	27.7	48.5	35.3	24.6	52.8	32.1	13.1	32.8	30.2	29.5	26.2	20.7	20.9	39.4	22.4	...	27.7	
1949	26.3	41.9	32.1	24.1	48.3	30.4	12.4	30.0	29.2	27.3	25.1	20.9	21.9	40.1	23.0	...	28.2	
1950	27.3	44.0	33.2	25.0	50.2	32.9	12.6	30.4	35.6	31.4	25.7	22.0	22.6	40.9	23.5	...	28.6	
1951	30.4	51.2	36.9	27.6	56.0	37.7	13.0	34.8	43.7	34.1	30.5	24.5	25.3	44.4	25.0	...	30.3	
1952	29.6	48.4	36.4	26.9	50.5	30.5	13.0	33.0	39.6	33.2	29.7	24.5	25.3	43.5	25.0	...	30.2	
1953	29.2	43.8	34.8	27.2	49.3	31.0	13.4	33.4	36.9	33.1	29.6	25.3	25.9	44.4	26.0	...	31.0	
1954	29.3	43.2	35.4	27.2	48.2	29.5	13.2	33.8	37.5	32.5	29.6	25.5	26.3	44.9	26.6	...	31.3	
1955	29.3	40.5	33.8	27.8	48.2	29.4	13.2	33.7	42.4	34.1	30.4	27.2	27.2	45.1	27.3	...	31.3	
1956	30.3	40.0	33.8	29.1	48.2	31.2	13.6	33.9	43.0	34.6	32.4	29.6	29.3	46.3	28.5	...	31.7	
1957	31.2	41.1	34.8	29.9	48.3	31.2	14.3	34.6	42.8	32.8	33.0	30.2	31.4	47.5	29.6	...	32.6	
1958	31.6	42.9	36.5	30.0	47.4	31.6	13.7	34.9	42.8	32.5	33.4	30.0	32.1	47.9	29.9	...	33.3	
1959	31.7	40.2	35.6	30.5	48.1	35.9	13.7	34.8	42.6	34.7	33.7	30.6	32.8	48.0	30.3	...	33.4	

... = Not available.

Table 7-2. Producer Price Indexes by Commodity Groups, 1913–2003—Continued

(1982 = 100.)

Year	All commodities	Farm products	Processed foods and feeds	Industrial commodities													
				Total	Textile products and apparel	Hides, leather, and related products	Fuels and related products and power	Chemicals and related products	Rubber and plastics products	Lumber and wood products	Pulp, paper, and allied products	Metals and metal products	Machinery and equipment	Furniture and household durables	Nonmetallic mineral products	Transportation equipment	Miscellaneous products
1960	31.7	40.1	35.6	30.5	48.6	34.6	13.9	34.8	42.7	33.5	34.0	30.6	33.0	47.8	30.4	...	33.6
1961	31.6	39.7	36.2	30.4	47.8	34.9	14.0	34.5	41.1	32.0	33.0	30.5	33.0	47.5	30.5	...	33.7
1962	31.7	40.4	36.5	30.4	48.2	35.3	14.0	33.9	39.9	32.2	33.4	30.2	33.0	47.2	30.5	...	33.9
1963	31.6	39.6	36.8	30.3	48.2	34.3	13.9	33.5	40.1	32.8	33.1	30.3	33.1	46.9	30.3	...	34.2
1964	31.6	39.0	36.7	30.5	48.5	34.4	13.5	33.6	39.6	33.5	33.0	31.1	33.3	47.1	30.4	...	34.4
1965	32.3	40.7	38.0	30.9	48.8	35.9	13.8	33.9	39.7	33.7	33.3	32.0	33.7	46.8	30.4	...	34.7
1966	33.3	43.7	40.2	31.5	48.9	39.4	14.1	34.0	40.5	35.2	34.2	32.8	34.7	47.4	30.7	...	35.3
1967	33.4	41.3	39.8	32.0	48.9	38.1	14.4	34.2	41.4	35.1	34.6	33.2	35.9	48.3	31.2	...	36.2
1968	34.2	42.3	40.6	32.8	50.7	39.3	14.3	34.1	42.8	39.8	35.0	34.0	37.0	49.7	32.4	...	37.0
1969	35.6	45.0	42.7	33.9	51.8	41.5	14.6	34.2	43.6	44.0	36.0	36.0	38.2	50.7	33.6	40.4	38.1
1970	36.9	45.8	44.6	35.2	52.4	42.0	15.3	35.0	44.9	39.9	37.5	38.7	40.0	51.9	35.3	41.9	39.8
1971	38.1	46.6	45.5	36.5	53.3	43.4	16.6	35.6	45.2	44.7	38.1	39.4	41.4	53.1	38.2	44.2	40.8
1972	39.8	51.6	48.0	37.8	55.5	50.0	17.1	35.6	45.3	50.7	39.3	40.9	42.3	53.8	39.4	45.5	41.5
1973	45.0	72.7	58.9	40.3	60.5	54.5	19.4	37.6	46.6	62.2	42.3	44.0	43.7	55.7	40.7	46.1	43.3
1974	53.5	77.4	68.0	49.2	68.0	55.2	30.1	50.2	56.4	64.5	52.5	57.0	50.0	61.8	47.8	50.3	48.1
1975	58.4	77.0	72.6	54.9	67.4	56.5	35.4	62.0	62.2	62.1	59.0	61.5	57.9	67.5	54.4	56.7	53.4
1976	61.1	78.8	70.8	58.4	72.4	63.9	38.3	64.0	66.0	72.2	62.1	65.0	61.3	70.3	58.2	60.5	55.6
1977	64.9	79.4	74.0	62.5	75.3	68.3	43.6	65.9	69.4	83.0	64.6	69.3	65.2	73.2	62.6	64.6	59.4
1978	69.9	87.7	80.6	67.0	78.1	76.1	46.5	68.0	72.4	96.9	67.7	75.3	70.3	77.5	69.6	69.5	66.7
1979	78.7	99.6	88.5	75.7	82.5	96.1	58.9	76.0	80.5	105.5	75.9	86.0	76.7	82.8	77.6	75.3	75.5
1980	89.8	102.9	95.9	88.0	89.7	94.7	82.8	89.0	90.1	101.5	86.3	95.0	86.0	90.7	88.4	82.9	93.6
1981	98.0	105.2	98.9	97.4	97.6	99.3	100.2	98.4	96.4	102.8	94.8	99.6	94.4	95.9	96.7	94.3	96.1
1982	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1983	101.3	102.4	101.8	101.1	100.3	103.2	95.9	100.3	100.8	107.9	103.3	101.8	102.7	103.4	101.6	102.8	104.8
1984	103.7	105.5	105.4	103.3	102.7	109.0	94.8	102.9	102.3	108.0	110.3	104.8	105.1	105.7	105.4	105.2	107.0
1985	103.2	95.1	103.5	103.7	102.9	108.9	91.4	103.7	101.9	106.6	113.3	104.4	107.2	107.1	108.6	107.9	109.4
1986	100.2	92.9	105.4	100.0	103.2	113.0	69.8	102.6	101.9	107.2	116.1	103.2	108.8	108.2	110.0	110.5	111.6
1987	102.8	95.5	107.9	102.6	105.1	120.4	70.2	106.4	103.0	112.8	121.8	107.1	110.4	109.9	110.0	112.5	114.9
1988	106.9	104.9	112.7	106.3	109.2	131.4	66.7	116.3	109.3	118.9	130.4	118.7	113.2	113.1	111.2	114.3	120.2
1989	112.2	110.9	117.8	111.6	112.3	136.3	72.9	123.0	112.6	126.7	137.8	124.1	117.4	116.9	112.6	117.7	126.5
1990	116.3	112.2	121.9	115.8	115.0	141.7	82.3	123.6	113.6	129.7	141.2	122.9	120.7	119.2	114.7	121.5	134.2
1991	116.5	105.7	121.9	116.5	116.3	138.9	81.2	125.6	115.1	132.1	142.9	120.2	123.0	121.2	117.2	126.4	140.8
1992	117.2	103.6	122.1	117.4	117.8	140.4	80.4	125.9	115.1	146.6	145.2	119.2	123.4	122.2	117.3	130.4	145.3
1993	118.9	107.1	124.0	119.0	118.0	143.7	80.0	128.2	116.0	174.0	147.3	119.2	124.0	123.7	120.0	133.7	145.4
1994	120.4	106.3	125.5	120.7	118.3	148.5	77.8	132.1	117.6	180.0	152.5	124.8	125.1	126.1	124.2	137.2	141.9
1995	124.7	107.4	127.0	125.5	120.8	153.7	78.0	142.5	124.3	178.1	172.2	134.5	126.6	128.2	129.0	139.7	145.4
1996	127.7	122.4	133.3	127.3	122.4	150.5	85.8	142.1	123.8	176.1	168.7	131.0	126.5	130.4	131.0	141.7	147.7
1997	127.6	112.9	134.0	127.7	122.6	154.2	86.1	143.6	123.2	183.8	167.9	131.8	125.9	130.8	133.2	141.6	150.9
1998	124.4	104.6	131.6	124.8	122.9	148.0	75.3	143.9	122.6	179.1	171.7	127.8	124.9	131.3	135.4	141.2	156.0
1999	125.5	98.4	131.1	126.5	121.1	146.0	80.5	144.2	122.5	183.6	174.1	124.6	124.3	131.7	138.9	141.8	166.6
2000	132.7	99.5	133.1	134.8	121.4	151.5	103.5	151.0	125.5	178.2	183.7	128.1	124.0	132.6	142.5	143.8	170.8
2001	134.2	103.8	137.3	135.7	121.3	158.4	105.3	151.8	127.2	174.4	184.8	125.4	123.7	133.2	144.3	145.2	181.3
2002	131.1	99.0	136.2	132.4	119.9	157.6	93.2	151.9	126.8	173.3	185.9	125.9	122.9	133.5	146.2	144.6	182.4
2003	138.1	111.5	143.4	139.1	119.8	162.3	112.9	161.8	130.1	177.4	190.0	129.2	121.9	133.9	148.2	145.7	179.6

... = Not available.

Table 7-3. Producer Price Indexes for the Net Output of Selected Industries, 1990–2003

(December 1984 = 100, unless otherwise indicated.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
MINING INDUSTRIES														
Metal mining	93.4	82.2	76.6	69.7	81.4	101.4	92.1	85.8	73.2	70.3	73.8	70.8	73.6	81.6
Iron ores	82.2	82.7	82.8	82.1	82.1	91.0	95.7	95.3	94.5	94.0	93.9	95.2	94.2	95.0
Copper ores (06/88=100)	112.8	99.5	96.6	79.1	106.9	157.1	117.0	110.4	76.8	71.3	88.7	81.7	80.1	90.1
Lead and zinc ores (12/85=100) .....	...	...	...	82.2	93.5	103.1	109.4	138.6	107.0	111.8	118.8	89.2	...	...
Gold and silver ores	81.2	71.3	68.0	69.1	75.9	77.1	78.6	67.9	61.1	58.2	57.0	55.2	62.6	72.6
Metal mining services (12/85=100)	108.6	108.7	108.8	111.2	111.3	111.4	112.5	116.7	122.2	120.2	109.0	117.6	115.9	116.1
Miscellaneous metal ores (12/85=100)	58.0	49.2	33.9	32.6	32.9	33.6	31.9	29.9	27.6	25.9	26.4	24.7	28.9	34.9
Coal mining (12/85=100)	96.5	96.3	94.0	93.3	93.2	91.6	91.4	92.2	89.5	87.3	84.8	91.3	93.9	94.4
Bituminous coal and lignite (12/93=100) .....	...	...	...	...	99.1	97.3	97.0	98.0	95.0	92.6	89.8	96.8	...	...
Anthracite mining (12/93=100) .....	...	...	...	...	99.4	98.2	98.1	98.3	99.0	98.1	97.2	99.5	100.8	104.1
Coal mining services (06/91=100) .....	...	...	96.1	98.0	97.6	98.3	101.6	100.6	100.2	100.8	108.8	110.3	116.4	...
Oil and gas extraction (12/85=100)	82.7	77.9	76.5	76.2	71.1	66.6	84.8	87.5	68.3	78.5	126.8	127.5	107.0	160.1
Crude petroleum, natural gas, and natural gas liquids (06/96=100)	76.4	70.8	69.4	67.5	62.5	59.1	...	...	...	...	...	...	...	...
Oil and gas field services (12/85=100)	95.7	99.1	95.5	100.6	103.8	107.1	108.8	120.7	125.5	116.2	122.6	144.3	134.4	133.5
Mining and quarrying of non-metallic minerals, except fuels ...	113.7	116.3	117.5	118.8	120.5	123.8	127.1	128.8	132.2	134.0	137.0	141.0	143.5	146.4
Dimension stone (06/85=100)	113.4	116.7	118.2	120.3	123.4	126.4	132.2	138.1	142.2	145.9	153.4	156.9	163.9	169.9
Crushed and broken stone, including riprap	115.7	118.7	120.6	123.4	126.3	130.7	133.2	135.4	138.8	142.1	147.3	152.2	156.1	160.2
Sand and gravel	119.6	123.1	125.3	129.1	134.0	137.6	141.6	145.4	152.1	157.4	163.1	168.9	172.8	176.0
Clay, ceramic, and refractory minerals	109.8	110.9	111.3	112.8	113.1	115.3	116.6	117.5	117.5	116.2	117.0	122.4	122.2	124.0
Chemical and fertilizer mineral mining	106.7	108.5	108.3	104.3	102.1	104.2	108.6	107.6	110.1	108.0	106.8	107.1	107.7	108.4
Non-metallic minerals (except fuels) services (06/85=100)	102.7	98.5	98.1	98.0	96.1	100.0	103.4	104.7	104.7	106.5	107.2	109.3	110.5	114.6
Miscellaneous nonmetallic minerals, except fuels	117.9	122.9	126.9	131.1	132.3	136.0	139.8	143.2	146.6	148.0	148.8	153.6	153.7	157.0
MANUFACTURING INDUSTRIES														
Food and kindred products	116.2	116.5	116.9	118.7	120.1	121.7	127.1	127.9	126.3	126.3	128.5	132.8	132.0	137.4
Meat products	118.1	114.8	110.0	113.6	110.7	109.3	114.6	116.1	109.2	108.9	115.0	120.3	114.0	125.8
Dairy products	113.5	111.0	113.7	114.1	115.6	115.8	125.0	123.9	133.1	133.8	129.9	141.2	133.3	135.8
Canned and preserved fruits and vegetables	119.5	119.5	121.5	121.2	123.7	125.5	129.7	129.9	130.1	131.7	132.1	133.3	135.2	136.6
Grain mill products	114.5	115.9	119.1	120.5	124.9	125.9	139.9	133.0	122.5	117.3	117.5	121.3	123.4	129.9
Bakery products	128.7	133.7	139.1	142.7	145.3	149.6	154.4	158.2	160.0	162.0	166.0	171.8	179.8	178.0
Sugar and confectionery products	112.5	117.4	117.0	118.7	120.4	123.3	127.7	129.3	128.8	129.4	127.5	129.3	133.7	139.5
Fats and oils	98.8	93.3	93.1	100.4	105.0	103.0	111.1	113.9	102.1	86.9	85.1	84.1	89.8	106.3
Beverages	112.0	116.4	117.9	118.5	118.8	123.1	125.5	126.3	127.2	129.8	134.4	138.6	140.8	142.7
Miscellaneous food preparations and kindred products	116.7	118.4	117.7	118.3	125.4	131.1	128.5	135.1	135.3	136.1	138.7	137.9	138.6	142.0
Tobacco manufactures	183.2	207.5	230.2	218.0	187.8	193.2	199.1	210.8	243.1	325.7	345.8	386.1	401.9	377.9
Cigarettes (12/82=100)	197.6	225.0	250.5	235.2	198.9	204.3	210.5	223.3	260.4	356.7	379.3	425.8	442.8	411.7
Cigars (12/82=100)	141.4	150.0	159.1	166.4	172.9	186.5	201.8	228.5	242.7	259.6	268.8	279.1	289.8	304.7
Chewing and smoking tobacco and snuff (12/82=100)	166.2	182.3	199.2	214.2	229.5	243.6	253.8	265.3	282.1	303.1	318.1	332.5	359.4	377.4
Tobacco stemming and redrying (06/84=100)	103.9	107.6	107.5	108.7	109.4	112.2	109.7	106.5	104.2	104.7	109.0	112.3	114.7	117.5
Textile mill products	111.6	112.5	113.6	113.6	113.6	116.5	118.2	118.8	118.6	116.3	116.7	116.9	115.8	115.7
Cotton broadwoven fabric (12/80=100)	109.3	109.6	112.8	112.2	113.5	118.6	119.1	118.5	117.4	114.2	116.0	111.7	108.9	108.8
Synthetic fiber and silk broadwoven fabric (06/81=100)	115.6	115.2	115.9	114.6	109.9	112.4	113.0	115.0	114.8	108.6	108.6	108.9	106.4	105.9
Wool weaving and finishing (06/85=100)	118.5	116.3	114.7	113.8	113.3	113.5	114.2	115.0	115.3	113.2	114.6	117.1	116.4	119.0
Narrow fabric mills (06/84=100)	111.7	113.2	114.6	115.6	116.8	119.7	121.2	122.7	123.8	124.3	125.3	126.2	126.0	125.1
Knitting mills	109.9	110.9	112.8	113.3	113.0	115.7	116.6	117.0	116.6	114.0	113.9	113.7	112.7	111.6
Dyeing and finishing textiles, except wool fabrics and knit goods	117.0	119.9	122.6	125.1	125.5	127.8	129.0	129.2	130.2	131.4	132.2	131.5	130.8	128.1
Floor covering mills	108.9	109.7	109.4	108.7	110.0	111.6	114.1	115.7	116.3	115.4	117.8	118.9	119.0	121.8
Yarn and thread mills	109.7	110.7	109.9	107.0	107.4	112.1	113.6	114.1	112.1	106.9	105.5	103.0	99.8	100.9
Miscellaneous textile goods	115.0	117.0	116.3	116.5	118.1	122.9	126.4	125.6	124.9	123.4	124.1	125.2	123.9	123.3
Apparel and other finished products made from fabrics and similar materials	113.3	116.0	118.0	119.2	119.7	120.6	122.3	123.4	124.8	125.3	125.7	125.8	125.1	124.8
Men's and boys' suits and coats (12/80=100)	145.7	149.2	151.8	151.9	154.0	155.8	158.1	160.2	166.8	168.5	168.2	166.3	164.1	166.1
Men's, youths and boys furnishings, work clothing, and allied garments	113.0	116.2	119.7	121.9	122.7	124.0	125.5	125.7	126.1	126.0	125.6	124.9	122.5	120.4
Women's, misses, and juniors' outerwear	114.0	116.7	117.5	117.8	117.0	116.2	116.1	116.8	117.7	118.3	118.4	117.8	117.2	117.7
Women's, misses', children's, and infants' under-garments	111.2	112.9	115.3	116.8	118.3	118.9	119.3	120.1	121.0	122.1	123.3	123.0	122.8	123.2
Hats, caps, and millinery (06/85=100)	115.1	118.2	122.9	126.0	129.5	130.8	132.7	135.0	136.4	138.6	141.0	143.7	146.4	147.2
Girls', children's, and infants' outerwear	110.7	113.1	114.6	115.8	115.4	118.1	118.9	118.9	118.6	119.5	120.7	120.3	122.8	124.2
Fur goods (12/83=100)	98.7	100.5	102.6	101.4	107.5	103.8	119.4	127.3	128.5	134.4	141.5	148.4	150.9	141.7
Miscellaneous apparel and accessories (06/85=100)	115.2	117.6	119.3	120.6	120.8	123.2	125.7	128.0	130.4	131.0	131.3	132.6	133.0	133.1
Miscellaneous fabricated textile products	110.8	113.4	115.1	116.6	117.7	119.6	124.2	126.4	128.8	128.7	129.5	131.1	131.2	131.0
Lumber and wood products, except furniture	117.0	114.9	129.7	148.3	154.4	154.1	153.5	158.9	157.0	161.8	158.1	156.2	155.3	160.3
Logging camps and logging contractors (12/81=100)	135.6	135.0	151.3	186.4	192.6	194.3	185.7	191.2	188.1	182.7	177.5	167.5	165.0	168.7
Sawmills and planing mills	113.7	115.3	131.3	161.8	165.2	154.8	155.7	166.9	157.2	162.2	153.9	147.6	145.2	147.9
Millwork, veneer, plywood, and structural wood members ..	115.4	118.3	128.4	142.8	148.7	150.5	148.3	151.7	151.8	158.6	155.1	156.0	155.1	159.8
Wood containers (06/85=100)	113.9	115.8	123.5	141.7	147.5	148.6	147.7	151.5	155.5	156.0	156.6	157.1	154.5	158.0
Wood buildings and mobile homes	115.5	118.9	121.5	129.5	139.8	147.8	151.5	155.0	157.5	162.1	165.7	169.1	172.2	175.8
Miscellaneous wood products	114.9	118.0	123.4	132.8	140.9	144.9	145.1	145.9	147.6	152.8	149.6	145.7	145.9	158.5
Furniture and fixtures	119.1	121.6	122.9	125.4	129.7	133.3	136.2	138.2	139.7	141.3	143.3	145.1	146.3	147.4
Household furniture	117.2	119.9	121.6	124.8	128.7	132.2	134.7	136.4	138.4	140.3	142.5	144.4	146.2	147.0
Office furniture	123.4	125.8	125.3	127.3	132.9	137.5	140.7	142.5	142.3	143.0	144.5	146.4	148.6	150.9
Public building and related furniture	118.4	119.4	120.9	123.5	128.4	130.0	133.7	135.9	136.0	136.9	138.6	139.1	138.9	139.0
Partitions, shelving, lockers, and office and store fixtures ...	120.9	123.1	124.7	126.9	131.9	135.3	138.0	140.7	142.0	143.5				

Table 7-3. Producer Price Indexes for the Net Output of Selected Industries, 1990–2003—Continued

(December 1984 = 100, unless otherwise indicated.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Paper and allied products	121.9	121.1	121.2	120.2	123.7	146.7	138.6	133.5	136.2	136.4	145.8	146.2	143.7	144.9
Pulp mills (12/82=100)	153.8	121.8	118.5	105.8	116.5	182.4	135.5	131.0	125.1	122.7	143.4	122.9	116.5	120.9
Paper mill products except building paper (06/81=100)	134.0	131.0	126.6	126.6	128.6	164.8	152.2	143.2	144.5	139.7	148.8	150.5	144.1	145.7
Paperboard mills (12/82=100)	146.0	140.7	142.6	138.3	152.6	203.1	169.7	158.2	165.1	166.9	192.2	187.3	179.5	180.2
Paperboard containers and boxes	117.7	116.6	118.5	118.0	123.7	148.5	140.4	132.9	141.1	144.1	157.1	158.9	157.0	157.3
Converted paper and paperboard products, except containers and boxes (06/93=100)	...	...	...	...	100.7	110.1	109.5	108.7	108.2	108.2	111.7	112.4	112.1	113.4
Printing, publishing, and allied industries	130.5	136.4	140.8	145.6	149.7	159.0	165.6	169.1	174.0	177.6	182.9	188.7	193.0	197.5
Newspaper publishing (12/79=100)	220.4	235.7	248.7	259.5	269.5	286.7	306.9	317.7	328.7	339.3	351.3	367.9	381.9	395.7
Periodical publishing (12/79=100)	205.7	217.8	227.9	233.3	239.1	246.3	253.1	263.2	276.9	284.9	292.6	305.9	320.4	332.4
Books	132.3	138.7	143.7	147.8	153.4	162.3	169.4	174.0	178.9	184.7	190.2	195.6	201.5	208.2
Miscellaneous publishing (06/84=100)	133.8	142.0	148.3	154.6	160.6	167.1	174.5	181.1	187.7	194.5	201.3	210.0	217.7	226.3
Commercial printing	118.7	120.8	121.9	124.9	126.3	133.4	136.6	137.2	140.0	140.3	142.8	144.9	144.1	144.4
Manifold business forms (12/83=100)	124.6	123.9	121.0	128.6	134.0	163.9	168.4	165.8	167.0	170.5	185.8	193.1	199.6	201.8
Greeting cards (12/85=100)	120.3	125.3	131.3	139.4	145.7	156.5	162.7	164.9	169.2	174.3	177.7	180.6	180.6	182.7
Blankbooks, looseleaf binders, and bookbinding and related work (06/85=100)	124.8	132.3	135.4	139.0	142.9	150.1	155.6	158.7	159.6	159.8	163.0	164.7	164.5	165.2
Service industries for the printing trade (06/85=100)	109.3	110.7	112.3	113.5	114.1	115.2	116.1	116.4	117.2	117.7	119.0	116.7	115.1	113.8
Chemicals and allied products	121.0	124.4	125.8	127.2	130.0	143.4	145.8	147.1	148.7	149.7	156.7	158.4	157.3	164.6
Industrial inorganic chemicals	116.6	117.5	116.5	115.0	115.4	126.3	135.0	134.5	132.7	127.8	132.0	139.6	135.0	140.9
Plastic materials and synthetic resins, rubber, and non-glass fibers	114.9	113.2	110.0	110.6	113.8	127.8	123.1	124.4	115.9	115.4	128.0	126.2	119.7	131.0
Drugs	146.7	156.2	165.7	172.4	174.8	178.7	181.2	184.8	203.1	210.1	215.7	220.5	226.3	235.4
Soap, detergents, and cleaning preparations, perfumes, cosmetics and other toilet preparations	115.8	118.1	120.6	122.8	123.0	125.0	126.6	127.3	128.7	130.3	132.5	134.2	134.2	134.9
Paints and allied products (06/83=100)	125.0	130.3	132.3	133.5	136.0	143.1	147.6	152.3	155.1	157.6	160.7	164.1	166.1	169.4
Industrial organic chemicals	120.2	123.3	123.1	122.7	125.9	158.1	164.0	163.9	160.1	161.4	173.3	173.5	170.6	183.0
Agricultural chemicals	108.2	111.9	110.0	109.7	119.6	129.7	133.4	131.9	128.5	123.2	124.9	132.0	127.0	135.3
Miscellaneous chemical products	117.4	122.1	123.7	127.2	131.2	137.1	138.5	140.3	141.7	141.5	143.0	146.0	146.5	149.0
Petroleum refining and related products	91.4	83.1	80.3	77.6	74.8	77.2	87.4	85.6	66.3	76.8	112.8	105.3	98.8	122.0
Petroleum refining (06/85=100)	90.1	80.9	78.3	75.2	72.2	74.5	85.3	83.1	62.3	73.6	111.6	103.1	96.3	121.2
Paving and roofing materials	94.3	96.1	94.0	95.0	94.9	98.1	99.4	102.2	102.0	102.0	103.0	111.6	119.7	125.1
Miscellaneous products of petroleum and coal	123.6	131.1	128.4	129.9	130.6	136.3	140.9	142.0	142.5	142.1	150.3	159.3	160.5	165.3
Rubber and miscellaneous plastics products	111.3	113.7	114.2	115.4	117.1	123.3	123.1	122.8	122.1	122.2	124.6	125.9	125.5	128.4
Tires and inner tubes (06/81=100)	103.0	105.0	106.0	106.2	106.4	108.5	105.2	103.4	102.0	100.4	100.4	101.5	102.7	105.6
Rubber and plastics footwear (12/80=100)	121.5	122.0	122.8	124.1	125.5	126.9	128.3	127.1	128.0	129.1	131.2	126.8	129.0	129.0
Gaskets, packing, and sealing devices and rubber and plastics hose and belting (06/95=100)	...	...	...	...	...	...	102.7	104.4	105.5	106.0	107.1	109.4	110.0	111.5
Fabricated rubber products, n.e.c. (12/88=100)	105.0	107.5	108.6	110.3	111.9	115.6	118.3	119.8	120.2	119.9	120.5	121.3	121.4	121.8
Miscellaneous plastics products (06/93=100)	118.9	120.8	121.0	...	...	...	...	...	...	...	...	...	...	...
Leather and leather products	122.6	124.8	127.0	129.0	130.6	134.1	134.7	137.1	137.1	136.5	137.9	141.3	141.1	142.8
Leather tanning and finishing (06/81=100)	168.0	158.9	156.1	160.9	171.9	183.9	172.4	176.9	171.6	168.8	174.6	191.7	191.4	200.5
Boot and shoe cut stock and findings	119.6	122.3	123.3	124.4	125.0	129.6	132.4	133.3	133.8	133.8	135.2	139.5	140.6	141.8
Footwear, except rubber	122.2	125.2	128.1	130.3	131.6	135.3	137.5	139.5	140.5	139.3	139.7	140.6	140.9	142.0
Leather gloves and mittens (06/85=100)	117.6	118.6	120.1	120.7	125.8	131.5	137.4	138.7	140.8	141.3	141.3	142.1	139.1	140.5
Luggage	113.4	116.2	118.8	119.9	120.3	120.3	121.1	123.2	124.7	126.5	127.6	127.2	125.9	123.8
Handbags and other personal leather goods	118.1	121.3	122.4	123.5	121.5	122.8	122.8	123.5	124.1	124.6	127.3	123.6	126.0	126.7
Leather goods, n.e.c. (06/85=100)	122.1	123.7	123.4	125.1	127.2	131.7	135.6	140.6	141.0	142.5	144.5	145.6	147.5	149.1
Stone, clay, glass, and concrete products	110.0	112.3	112.8	115.4	119.6	124.3	125.8	127.4	129.3	132.6	134.7	136.0	137.1	138.0
Flat glass (12/80=100)	109.2	105.4	104.9	106.1	113.0	116.6	108.9	104.1	99.5	95.9	97.3	97.7	95.2	95.7
Glass and glassware, pressed or blown	113.8	117.4	118.4	119.7	121.8	125.0	125.0	123.2	121.8	121.0	122.6	126.2	127.2	128.4
Products of purchased glass (06/83=100)	117.6	118.8	120.4	122.1	123.7	126.8	126.3	127.1	127.5	128.4	131.6	133.7	133.8	133.4
Hydraulic cement (06/82=100)	102.7	105.8	105.4	111.0	118.7	127.2	132.9	138.1	144.2	149.1	148.6	148.7	151.1	150.5
Structural clay products	114.2	115.6	117.1	119.7	121.9	124.4	126.1	127.5	129.0	131.4	135.1	140.4	140.0	142.0
Pottery and related products	117.0	119.6	120.6	122.7	125.2	129.3	130.0	131.8	133.5	138.1	139.7	150.2	150.1	152.0
Concrete, gypsum, and plaster products	106.1	108.0	108.6	111.7	117.7	123.5	126.5	130.5	134.5	140.0	143.1	142.1	144.2	145.6
Cut stone and stone products	122.7	128.0	129.3	130.7	131.7	134.0	135.8	138.4	141.7	143.3	144.8	147.9	149.3	149.7
Abrasives, asbestos, and miscellaneous nonmetallic mineral products	111.5	114.2	113.3	116.0	119.2	123.6	125.6	126.2	127.4	131.3	130.9	132.0	132.6	133.4
Primary metal industries	116.5	113.1	111.7	111.4	117.0	128.2	123.7	124.7	120.9	115.8	119.8	116.1	116.2	118.4
Blast furnaces, steel works, and rolling and finishing mills	106.5	104.5	102.4	104.3	109.1	114.9	111.3	112.0	110.0	102.3	104.4	98.4	101.6	105.4
Iron and steel foundries	111.5	113.2	114.6	115.8	118.3	124.0	127.6	129.2	129.7	130.4	132.1	132.7	133.0	133.5
Primary smelting and refining of nonferrous metals (12/80=100)	123.4	103.6	98.4	90.3	106.7	134.2	115.5	115.5	98.5	93.6	103.0	96.6	92.7	97.4
Secondary nonferrous metals (06/80=100)	97.0	84.7	81.8	77.2	90.2	102.1	94.0	94.5	85.9	84.8	88.4	85.9	85.1	87.1
Rolling, drawing and extruding of nonferrous metals	132.7	127.5	126.2	122.8	129.4	151.0	143.0	144.8	137.8	133.7	142.8	139.8	135.0	135.6
Nonferrous foundries (castings)	121.1	120.9	121.7	122.7	125.7	132.8	131.4	133.8	132.7	131.6	133.5	134.1	134.4	135.6
Miscellaneous primary metal products (06/85=100)	115.9	116.1	116.3	115.9	119.0	124.4	126.2	126.7	126.1	126.0	126.5	134.9	135.7	133.6
Fabricated metal products, except machinery and transportation equipment	115.1	116.6	117.2	118.2	120.3	124.8	126.2	127.6	128.7	129.1	130.3	131.0	131.7	132.9
Metal cans and shipping containers	105.9	107.2	106.3	103.1	101.7	109.4	103.9	102.7	102.3	100.7	101.0	100.8	102.7	105.4
Cutlery, hand tools, and general hardware	116.5	120.7	123.2	125.7	127.9	131.3	133.8	135.2	136.5	137.8	139.9	142.4	144.0	144.9
Heating equipment, except electric and warm air; and plumbing fixtures	127.2	131.7	135.3	138.0	140.8	147.6	153.2	156.2	157.7	159.6	162.0	161.8	162.8	165.0
Fabricated structural metal products	117.9	118.1	117.7	118.8	122.6	129.6	131.8	134.0	136.1	137.1	138.5	138.2	138.2	138.4
Screw machine products, and bolts, nuts, screws, rivets, and washers	113.3	114.9	115.4	116.3	117.6	120.0	121.6	122.6	122.7	121.8	122.9	122.8	123.4	123.6
Metal forgings and stampings	109.4	109.5	109.7	109.8	110.5	111.9	112.9	113.9	114.0	112.9	113.2	113.2	113.7	115.6
Coating, engraving, and allied services	117.9	119.3	120.1	121.8	123.5	125.8	127.2	128.4	129.2	132.0	132.7	136.0	136.7	137.2
Ordnance and accessories, except vehicles and guided missiles (06/85=100)	112.6	116.4	120.2	124.3	125.5	127.6	129.5	129.2	130.5	133.3	135.1	137.9	140.9	145.5
Miscellaneous fabricated metal products	120.5	122.9	124.1	125.8	128.7	133.4	135.6	137.9	139.5	140.3	141.9	143.8	144.4	145.9

... = Not available.

Table 7-3. Producer Price Indexes for the Net Output of Selected Industries, 1990–2003—Continued

(December 1984 = 100, unless otherwise indicated.)

Industry	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Machinery, except electrical	113.9	116.4	116.7	116.8	117.5	119.0	119.2	118.5	117.7	117.3	117.5	118.0	117.2	116.0
Engines and turbines	116.5	121.4	123.8	125.8	128.3	130.8	132.3	133.6	133.9	135.7	136.6	137.7	138.9	139.1
Farm and garden machinery and equipment	111.1	114.3	116.9	118.7	120.9	123.4	126.1	127.4	128.1	129.1	130.1	131.8	133.7	135.1
Construction, mining, and materials handling machinery and equipment	113.5	117.5	120.1	122.9	125.0	128.1	131.4	133.7	136.0	138.0	139.4	141.1	142.6	144.4
Metalworking machinery and equipment	116.1	120.3	122.8	125.4	128.4	135.4	138.4	141.2	142.2	143.9	145.1	144.6	144.8	...
Special industry machinery, except metalworking machinery	121.6	125.6	128.4	132.1	134.2	137.3	140.5	143.0	145.4	147.2	148.7	149.9	149.6	150.1
General industrial machinery and equipment	124.3	127.4	130.6	133.4	137.8	141.7	144.7	146.9	149.3	151.7	154.3	156.5	159.1	...
Office, computing, and accounting machines	...	...	...	...	...	70.5	63.4	55.9	48.8	44.0	41.3	39.0	35.5	31.6
Refrigeration and service industry machinery	116.0	117.6	119.4	120.9	122.3	125.3	127.9	129.6	131.5	132.2	132.0	132.5	133.7	134.5
Miscellaneous machinery, except electrical	112.3	113.4	113.9	116.1	118.8	121.9	123.6	125.5	127.0	127.7	129.6	131.8	132.3	132.3
Electrical and electronic machinery, equipment, and supplies	108.9	110.1	110.8	112.0	112.7	113.3	113.2	111.6	110.4	109.5	108.3	107.0	105.7	103.1
Electric transmission and distribution equipment	118.7	122.0	122.8	123.4	125.8	129.5	130.5	131.3	133.6	135.9	138.5	140.4	140.6	141.5
Electrical industrial apparatus	117.5	120.7	122.9	125.7	127.1	130.1	132.7	134.9	136.6	137.2	137.8	139.5	140.0	140.9
Household appliances	105.2	106.0	106.8	108.1	108.7	108.8	109.7	108.3	107.5	107.2	106.2	104.6	104.2	103.1
Electric lighting and wiring equipment	116.3	118.6	119.8	122.1	123.2	126.6	128.1	129.4	129.4	128.7	128.4	128.1	128.2	128.2
Radio and television receiving equipment, except communication types	94.5	95.2	94.2	92.6	92.4	91.5	91.4	89.5	88.9	87.1	85.4	83.6	81.8	80.3
Communication equipment (12/85=100)	107.5	108.5	109.7	111.7	113.3	113.9	115.0	115.7	115.0	113.0	110.4	108.6	105.0	101.7
Electronic components and accessories	104.9	104.9	104.6	105.3	104.8	102.5	99.3	95.1	91.9	90.1	88.8	86.4	84.9	81.1
Miscellaneous electrical machinery, equipment, and supplies	109.8	110.6	110.9	110.4	110.7	111.9	112.8	113.0	112.4	112.5	112.4	113.0	113.2	112.2
Transportation equipment	115.6	119.8	123.0	126.3	130.1	132.2	134.2	134.1	133.6	134.5	136.8	137.9	137.3	138.4
Motor vehicles and motor vehicle equipment	113.0	117.4	120.5	123.8	127.5	129.1	130.4	129.0	127.7	128.3	129.2	128.5	126.7	126.6
Aircraft and parts (06/85=100)	117.7	122.3	126.6	130.1	134.0	137.3	140.8	142.7	143.4	144.8	149.9	154.7	157.3	162.2
Ship and boat building and repairing	120.1	122.7	125.7	129.9	133.0	135.0	138.2	142.0	144.1	145.6	149.0	152.6	156.8	163.0
Railroad equipment (06/84=100)	114.2	117.3	118.7	119.8	122.6	127.6	129.7	127.4	127.6	128.2	128.6	128.3	127.7	129.0
Motorcycles, bicycles, and parts	109.9	111.8	114.4	116.9	119.0	122.2	123.4	123.3	124.2	125.5	127.8	128.0	128.7	128.7
Miscellaneous transportation equipment	112.5	114.1	115.2	117.1	118.1	120.3	121.9	123.0	124.2	125.0	128.3	129.7	131.0	132.3
Measuring and controlling instruments; photographic, medical, optical goods; watches, clocks	114.6	116.8	118.7	120.8	122.1	124.0	125.1	125.6	126.0	125.7	126.2	127.3	128.5	129.9
Engineering and scientific instruments (12/85=100)	116.9	120.5	121.4	123.0	124.6	127.4	128.3	130.0	132.5	132.5	132.0	131.6	134.5	137.9
Measuring and controlling instruments	116.3	120.1	123.3	126.1	127.9	129.9	131.5	133.5	134.4	134.8	136.6	138.8	140.6	142.0
Surgical, medical, and dental instruments and supplies	120.7	124.1	127.9	131.9	133.4	134.1	134.9	134.4	135.0	135.6	136.7	138.3	140.2	142.1
Ophthalmic goods (12/83=100)	117.0	117.6	121.0	123.4	124.9	126.4	124.7	124.3	123.7	123.3	123.3	123.3	124.2	124.6
Photographic equipment and supplies (12/83=100)	112.2	111.9	112.1	112.1	111.7	113.8	114.9	113.5	109.7	106.7	106.2	107.4	104.2	102.2
Watches, clocks, and watchcases (06/83=100)	110.5	113.6	114.7	115.9	116.6	118.9	119.2	118.3	118.4	119.4	120.8	122.1	123.1	124.2
Miscellaneous manufacturing industries (12/85=100)	114.9	117.5	119.6	121.5	123.3	125.9	127.8	129.0	129.7	130.3	130.9	132.4	133.3	133.9
Jewelry, silverware, and plated ware (12/85=100)	119.3	121.0	121.6	123.5	124.7	126.3	128.0	128.0	127.1	126.4	127.1	128.0	129.1	131.0
Musical instruments (06/85=100)	119.5	123.7	128.3	134.4	140.2	147.5	152.9	157.1	161.1	163.6	166.6	170.1	173.3	175.5
Toys and amusement, sporting, and athletic goods (12/85=100)	113.0	115.3	117.3	117.9	119.2	120.7	122.2	123.7	124.2	123.8	123.0	123.5	123.0	122.1
Pens, pencils, and other office and artists' materials (12/85=100)	114.3	118.0	120.8	121.4	123.2	127.4	130.2	129.8	130.9	132.0	132.0	131.4	132.8	132.9
Costume jewelry, costume novelties, buttons, and miscellaneous notions (12/85=100)	111.0	113.8	116.0	117.1	117.9	119.1	120.7	122.4	122.2	123.5	124.8	126.1	126.2	126.5
Miscellaneous manufacturing industries (12/85=100)	114.4	117.3	119.6	122.8	125.1	128.5	130.3	131.6	132.9	134.5	136.1	138.5	140.1	141.4
SERVICE INDUSTRIES														
Railroad transportation (12/96=100)	...	...	...	...	...	...	...	100.5	101.7	101.3	102.6	104.5	106.6	108.8
Motor freight transportation and warehousing (06/93=100)	...	...	...	...	101.9	104.5	106.3	108.9	111.6	114.8	119.4	123.1	124.5	127.9
Trucking and courier services, except air (06/93=100)	...	...	...	...	101.9	104.5	106.4	109.1	111.9	115.0	119.7	123.5	124.9	128.3
Public warehousing and storage (06/93=100)	...	...	...	...	101.3	103.0	103.6	104.6	106.0	109.0	111.2	114.2	115.8	117.3
United States Postal Service (06/89=100)	100.0	117.9	119.8	119.8	119.8	132.2	132.3	132.3	132.3	133.5	135.2	143.4	150.2	155.0
Water transportation (12/92=100)	...	...	...	99.7	100.0	103.0	103.7	104.2	105.6	113.0	122.6	129.8	134.6	147.1
Deep sea foreign transportation of freight (12/96=100)	...	...	...	...	...	...	...	99.0	102.0	116.4	134.7	148.3	160.1	189.4
Deep sea domestic transportation of freight (12/96=100)	...	...	...	...	...	...	...	99.9	97.2	99.8	104.2	107.7	112.0	116.7
Freight transportation, Great Lakes-St Lawrence Seaway (12/96=100)	...	...	...	...	...	...	...	101.3	102.2	102.3	102.2	102.9	101.5	101.2
Water transportation of freight, n.e.c. (12/96=100)	...	...	...	...	...	...	...	99.5	100.3	104.3	110.3	115.5	113.0	116.8
Transportation by air (12/92=100)	...	...	...	105.6	108.5	113.7	121.1	125.3	124.5	130.8	147.7	157.2	157.8	162.1
Air transportation, scheduled and air courier services (12/89=100)	110.2	121.2	114.2	125.4	129.1	135.9	145.5	150.8	149.3	157.3	180.1	193.0	193.3	198.5
Air transportation, nonscheduled (12/96=100)	...	...	...	...	...	...	...	97.8	99.2	102.2	107.3	112.7	114.7	117.8
Airports, flying fields, and airport terminal services (12/96=100)	...	...	...	...	...	...	...	102.5	105.2	108.6	114.2	117.5	121.4	125.1
Pipelines, except natural gas (12/86=100)	95.8	96.1	96.4	96.6	102.6	110.8	104.6	98.8	99.2	98.3	102.3	110.3	111.9	111.7
Arrangement of transportation of freight and cargo (12/96=100)	...	...	...	...	...	...	...	99.4	97.7	97.3	98.3	98.2	97.5	97.9
Telephone communications (06/99=100)	...	...	...	...	...	...	...	...	...	...	96.4	93.6	89.9	88.1
Cable and other pay television services (12/96=100)	...	...	...	...	...	...	...	103.3	107.3	110.9	115.4	119.5	122.9	128.3
Food stores (12/99=100)	...	...	...	...	...	...	...	...	...	...	103.8	109.6	113.4	117.6
Grocery stores (12/99=100)	...	...	...	...	...	...	...	...	...	...	104.2	109.9	113.6	117.9
Meat and fish (seafood) markets (12/99=100)	...	...	...	...	...	...	...	...	...	...	99.5	104.7	103.5	104.3
Fruit and vegetable markets (12/99=100)	...	...	...	...	...	...	...	...	...	...	98.9	98.5	110.5	116.4
Candy, nut, and confectionery stores (12/99=100)	...	...	...	...	...	...	...	...	...	...	102.8	107.3	110.2	114.8
Retail bakeries (12/99=100)	...	...	...	...	...	...	...	...	...	...	99.3	103.8	107.6	111.3
Miscellaneous food stores (12/99=100)	...	...	...	...	...	...	...	...	...	...	102.3	123.5	130.6	139.1
New car dealers (12/99=100)	...	...	...	...	...	...	...	...	...	...	99.7	103.1	108.7	111.5
Life insurance carriers (12/98=100)	...	...	...	...	...	...	...	...	...	100.4	99.2	100.1	101.6	103.4
Property and casualty insurance (12/98=100)	...	...	...	...	...	...	...	...	...	100.7	101.9	104.3	108.7	115.0
Real estate agents and managers (12/96=100)	...	...	...	...	...	...	...	101.3	103.0	104.9	108.3	112.0	113.9	115.9
Hotels and motels (12/96=100)	...	...	...	...	...	...	...	104.2	108.1	112.7	116.2	121.3	121.3	122.0
Personnel supply services (12/96=100)	...	...	...	...	...	...	...	101.0	103.2	105.2	107.3	108.2	108.9	111.4
Health services (12/94=100)	...	...	...	...	...	102.4	104.6	106.1	107.7	109.9	112.8	116.4	119.4	124.3
Offices and clinics of doctors of medicine (12/96=100)	...	...	...	...	...	...	...	101.0	103.2	105.5	107.3	110.4	110.3	112.1
Hospitals (12/92=100)	...	...	...	102.5	106.2	110.0	112.6	113.6	114.4	116.4				

NOTES AND DEFINITIONS

CONSUMER PRICE INDEX

Coverage

The *Consumer Price Index* (CPI) measures the average change in prices of goods and services that urban consumers purchase for day-to-day living. The weights used in calculating the index, which remain fixed for relatively long periods, are based on actual expenditures reported in the Consumer Expenditure Surveys. The quantities and qualities of the sample items in the “market basket” remain essentially the same between consecutive pricing periods, so that the index measures only the effect of price change on the cost of living. The index does not measure changes in the total amount families spend for living. Geographic area indexes measure price changes over time in individual areas, not relative differences in prices or living costs between areas.

Periodic Updating

The index for the years 1913–1935 used a study of 1917–1919 spending by households of wage earners and clerical workers as the basis for its weights. Since then, there have been six updates, bringing the “market basket” of goods and services up to date, revising the weights, and improving the sampling methods. In the past 20 years, several major changes have been introduced into the CPI.

The 1978 revision of the CPI updated the CPI for Urban Wage Earners and Clerical Workers (CPI-W), and introduced a new index for All Urban Consumers (CPI-U), which includes salaried workers, the self-employed, the retired, and the unemployed, as well as wage earners and clerical workers. The CPI-W now represents the spending patterns of 32 percent of the population, the CPI-U, 87 percent. For years before 1978, changes in the CPI-U are based on changes in the CPI-W. The 1978 revision also instituted sampling for all levels of the index down to the selection of items within each retail outlet.

Starting with the index for January 1983, BLS changed the way the CPI-U measures homeowners’ costs; the CPI-W made the same change starting in January 1985. The change converted the homeownership component from an asset approach, which included both the investment and consumption aspects of homeownership, to a flow-of-services approach, that measures only the cost of shelter services consumed by homeowners. The new approach uses a rental equivalence method to calculate homeowner shelter costs by estimating the implicit rent owners would have to pay to rent the homes they live in. The old method calculated homeowner costs as home purchase, mortgage interest costs, property taxes, property insurance, and maintenance and repair.

The 1987 major revision of both the CPI-U and the CPI-W introduced weights based upon data from the 1982, 1983, and 1984 Consumer Expenditure Surveys. The 1998 CPI revision, which went into effect with the index for January 1998, uses expenditure data from the 1993–1995 Consumer Expenditure Surveys and population data from the 1990 Decennial Census.

Current Methodology

The CPI selected 87 pricing areas, comprising 38 different index areas, from around the United States. BLS resamples the outlets and items in its sample on a five-year rotating basis. Before rotating the sample, the Census Bureau conducts a Point of Purchase Survey for BLS. This survey determines location of the retail outlets where consumers buy goods and services in various categories; it also determines how much they spend on each category in each reported outlet. BLS then draws outlet samples from the Point-of-Purchase Survey information. BLS field agents visit the selected retail outlets and sample within the item categories using checklists, which exhaustively define these categories of goods and services. The original selection of the specific items to be priced in a specific retail store is generally done by a data collector using the checklist in systematic stages that take into account in each stage sales information provided by the respondent. Outlets may be located outside of their pricing area to represent out-of-town purchases.

After the initial selection, the same item (or a close substitute) is priced from period to period so that, as far as possible, differences in reported prices are measures of price change only. All taxes directly associated with the purchase or continued use of the items priced are included in the indexes. Foods, fuels, rents, and a few other items are priced monthly in all areas. Prices of most other commodities and services are obtained monthly in the three largest areas and every other month in the remaining areas, half in the odd months and half in the even months. Between scheduled survey dates, prices are held at the level of their last pricing. BLS agents also collect data for a sample of rental units drawn from the Decennial Census of Population and Housing. This sample is heavily augmented with renter-occupied housing units in areas where there are many owner-occupied units. This survey is the basis for the Rent and Owners’ equivalent rent components of the CPI.

BLS calculates basic indexes (elementary aggregates) for the 211 item strata in each of the 38 index areas. Basic indexes are combined with weights based on the 1993–1995 Consumer Expenditure Surveys and the Census of Population.

BLS publishes CPI indexes for a variety of commodities and services, by region, by size of city, for cross-classifications of regions and population size classes, and for 26 metropolitan areas.

The purchasing power of the consumer dollar for any given date is calculated as the reciprocal of the index for that date, expressed in dollars, with the dollar's value in 1982–1984 equal to \$1.00. It shows changes in the value of the dollar resulting from changes in prices of consumer goods and services. The purchasing power of the dollar with reference to other bases can be calculated by dividing the index for the desired base date by the index for the current date and expressing the result in dollars.

The relative importance figures are percentage distributions of the cost or value weights used in the index calculation. The cost weights represent average expenditures for specific classes of goods and services by consumers. However, in the subsequent pricing periods, the value weights and the corresponding relative importance figures change as prices change differentially; i.e., the relative importance increases for an item or group having a greater than average price increase and decreases for one having a less than average price increase. Historically, the weights in the CPI have been updated about every 10 years. Beginning in 2002, the CPI will update its expenditure weights every two years, to keep the weights more up-to-date with consumer spending patterns.

Since the CPI traditionally measured price changes for a fixed market basket of goods and services, it was criticized as overstating inflation in that it did not account for the fact that consumers can substitute (buy more or less)

as relative prices change. In 1999, the CPI began using a geometric mean formula to average the prices within most CPI item categories. This formula assumes a modest degree of substitution within CPI item categories as relative prices change.

In 2002, BLS created an additional price index using a “superlative” formula, to address consumer substitution across CPI item categories. BLS began publishing this index, called the Chained Consumer Price Index for All Urban Consumers effective with release of July data in August 2002. Designated the C-CPI-U, the index will supplement, not replace the existing indexes already produced by the BLS: the CPI for All Urban Consumers (CPI-U) and the CPI for Urban Wage Earners and Clerical Workers (CPI-W).

Sources of Additional Information

The CCPI is described in BLS new release 02-480. A press release dated April 1998, “Planned Change In The Consumer Price Index Formula,” describes the geometric mean methodology.

The December 1996 issue of the *Monthly Labor Review* was devoted to a description and discussion of issues related to the 1998 CPI Revision. Further changes in methodology are described in BLS press releases. A detailed description of the CPI before 1978 is contained in *The Consumer Price Index: History and Techniques*, BLS Bulletin 1517 (1966). The updated CPI Chapter 17 is in the BLS *Handbook of Methods* is available on the BLS Web site.

Table 7-4. Consumer Price Indexes, All Urban Consumers (CPI-U): U.S. City Average, Major Groups, 1967–2003

(1982–1984 = 100, unless otherwise indicated.)

Year	All items	Food and beverages	Housing	Apparel	Transportation	Medical care	Recreation ¹	Education and communication ¹	Other goods and services
1967	33.4	35.0	30.8	51.0	33.3	28.2	...	...	35.1
1968	34.8	36.2	32.0	53.7	34.3	29.9	...	...	36.9
1969	36.7	38.1	34.0	56.8	35.7	31.9	...	...	38.7
1970	38.8	40.1	36.4	59.2	37.5	34.0	...	...	40.9
1971	40.5	41.4	38.0	61.1	39.5	36.1	...	...	42.9
1972	41.8	43.1	39.4	62.3	39.9	37.3	...	...	44.7
1973	44.4	48.8	41.2	64.6	41.2	38.8	...	...	46.4
1974	49.3	55.5	45.8	69.4	45.8	42.4	...	...	49.8
1975	53.8	60.2	50.7	72.5	50.1	47.5	...	...	53.9
1976	56.9	62.1	53.8	75.2	55.1	52.0	...	...	57.0
1977	60.6	65.8	57.4	78.6	59.0	57.0	...	...	60.4
1978	65.2	72.2	62.4	81.4	61.7	61.8	...	...	64.3
1979	72.6	79.9	70.1	84.9	70.5	67.5	...	...	68.9
1980	82.4	86.7	81.1	90.9	83.1	74.9	...	...	75.2
1981	90.9	93.5	90.4	95.3	93.2	82.9	...	...	82.6
1982	96.5	97.3	96.9	97.8	97.0	92.5	...	...	91.1
1983	99.6	99.5	99.5	100.2	99.3	100.6	...	...	101.1
1984	103.9	103.2	103.6	102.1	103.7	106.8	...	...	107.9
1985	107.6	105.6	107.7	105.0	106.4	113.5	...	...	114.5
1986	109.6	109.1	110.9	105.9	102.3	122.0	...	...	121.4
1987	113.6	113.5	114.2	110.6	105.4	130.1	...	...	128.5
1988	118.3	118.2	118.5	115.4	108.7	138.6	...	...	137.0
1989	124.0	124.9	123.0	118.6	114.1	149.3	...	...	147.7
1990	130.7	132.1	128.5	124.1	120.5	162.8	...	...	159.0
1991	136.2	136.8	133.6	128.7	123.8	177.0	...	...	171.6
1992	140.3	138.7	137.5	131.9	126.5	190.1	...	...	183.3
1993	144.5	141.6	141.2	133.7	130.4	201.4	90.7	85.5	192.9
1994	148.2	144.9	144.8	133.4	134.3	211.0	92.7	88.8	198.5
1995	152.4	148.9	148.5	132.0	139.1	220.5	94.5	92.2	206.9
1996	156.9	153.7	152.8	131.7	143.0	228.2	97.4	95.3	215.4
1997	160.5	157.7	156.8	132.9	144.3	234.6	99.6	98.4	224.8
1998	163.0	161.1	160.4	133.0	141.6	242.1	101.1	100.3	237.7
1999	166.6	164.6	163.9	131.3	144.4	250.6	102.0	101.2	258.3
2000	172.2	168.4	169.6	129.6	153.3	260.8	103.3	102.5	271.1
2001	177.1	173.6	176.4	127.3	154.3	272.8	104.9	105.2	282.6
2002	179.9	176.8	180.3	124.0	152.9	285.6	106.2	107.9	293.2
2003	184.0	180.5	184.8	120.9	157.6	297.1	107.5	109.8	298.7

¹December 1997 = 100.

... = Not available.

Table 7-5. Consumer Price Indexes, All Urban Consumers (CPI-U): U.S. City Average, Commodity, Service, and Special Groups, 1967–2003

(1982–1984 = 100, unless otherwise indicated.)

Year	All items	All items less food	All items less shelter	All items less medical care	All items less energy	All items less food and energy	Commodities	Commodities less food and beverages	Energy commodities	Commodities less food and energy	Nondurables
1967	33.4	33.4	35.2	33.7	34.4	34.7	36.8	38.3	23.9	41.3	35.7
1968	34.8	34.9	36.7	35.1	35.9	36.3	38.1	39.7	24.4	42.9	37.1
1969	36.7	36.8	38.4	37.0	38.0	38.4	39.9	41.4	25.2	44.7	38.9
1970	38.8	39.0	40.3	39.2	40.3	40.8	41.7	43.1	25.6	46.7	40.8
1971	40.5	40.8	42.0	40.8	42.0	42.7	43.2	44.7	26.1	48.5	42.1
1972	41.8	42.0	43.3	42.1	43.4	44.0	44.5	45.8	26.4	49.7	43.5
1973	44.4	43.7	46.2	44.8	46.1	45.6	47.8	47.3	29.1	51.1	47.5
1974	49.3	48.0	51.4	49.8	50.6	49.4	53.5	52.4	40.4	55.0	54.0
1975	53.8	52.5	56.0	54.3	55.1	53.9	58.2	57.3	43.4	60.1	58.3
1976	56.9	56.0	59.3	57.2	58.2	57.4	60.7	60.2	45.4	63.2	60.5
1977	60.6	59.6	63.1	60.8	61.9	61.0	64.2	63.6	48.7	66.5	64.0
1978	65.2	63.9	67.4	65.4	66.7	65.5	68.8	67.3	51.0	70.5	68.6
1979	72.6	71.2	74.2	72.9	73.4	71.9	76.6	75.2	68.7	76.4	77.2
1980	82.4	81.5	82.9	82.8	81.9	80.8	86.0	85.7	95.2	83.5	87.6
1981	90.9	90.4	91.0	91.4	90.1	89.2	93.2	93.1	107.6	90.0	95.2
1982	96.5	96.3	96.2	96.8	96.1	95.8	97.0	96.9	102.9	95.3	97.8
1983	99.6	99.7	99.8	99.6	99.6	99.6	99.8	100.0	99.0	100.2	99.7
1984	103.9	104.0	103.9	103.7	104.3	104.6	103.2	103.1	98.1	104.4	102.5
1985	107.6	108.0	107.0	107.2	108.4	109.1	105.4	105.2	98.2	107.1	104.8
1986	109.6	109.8	108.0	108.8	112.6	113.5	104.4	101.4	77.2	108.6	103.5
1987	113.6	113.6	111.6	112.6	117.2	118.2	107.7	104.0	80.2	111.8	107.5
1988	118.3	118.3	115.9	117.0	122.3	123.4	111.5	107.3	80.8	115.8	111.8
1989	124.0	123.7	121.6	122.4	128.1	129.0	116.7	111.6	87.9	119.6	118.2
1990	130.7	130.3	128.2	128.8	134.7	135.5	122.8	117.0	101.2	123.6	126.0
1991	136.2	136.1	133.5	133.8	140.9	142.1	126.6	120.4	99.1	128.8	130.3
1992	140.3	140.8	137.3	137.5	145.4	147.3	129.1	123.2	98.3	132.5	132.8
1993	144.5	145.1	141.4	141.2	150.0	152.2	131.5	125.3	97.3	135.2	135.1
1994	148.2	149.0	144.8	144.7	154.1	156.5	133.8	126.9	97.6	137.1	136.8
1995	152.4	153.1	148.6	148.6	158.7	161.2	136.4	128.9	98.8	139.3	139.3
1996	156.9	157.5	152.8	152.8	163.1	165.6	139.9	131.5	105.7	141.3	143.5
1997	160.5	161.1	155.9	156.3	167.1	169.5	141.8	132.2	105.7	142.3	146.4
1998	163.0	163.4	157.2	158.6	170.9	173.4	141.9	130.5	92.1	143.2	146.9
1999	166.6	167.0	160.2	162.0	174.4	177.0	144.4	132.5	100.0	144.1	151.2
2000	172.2	173.0	165.7	167.3	178.6	181.3	149.2	137.7	129.5	144.9	158.2
2001	177.1	177.8	169.7	171.9	183.5	186.1	150.7	137.2	125.2	145.3	160.6
2002	179.9	180.5	170.8	174.3	187.7	190.5	149.7	134.2	117.1	143.7	161.1
2003	184.0	184.7	174.6	178.1	190.6	193.2	151.2	134.5	136.7	140.9	165.3

Table 7-5. Consumer Price Indexes, All Urban Consumers (CPI-U): U.S. City Average, Commodity, Service, and Special Groups, 1967–2003—Continued

(1982–1984 = 100, unless otherwise indicated.)

Year	Nondurables less food	Nondurables less food and apparel	Services						Services less medical care	Energy	Services less energy
			Total ¹	Rent of Shelter ²	Gas (piped) and electricity	Transportation services	Medical care services	Other services			
1967	37.6	32.6	28.8	...	23.7	32.6	26.0	36.0	29.3	23.8	29.3
1968	39.1	33.7	30.3	...	23.9	33.9	27.9	38.1	30.8	24.2	30.9
1969	40.9	34.9	32.4	...	24.3	36.3	30.2	40.0	32.9	24.8	33.2
1970	42.5	36.3	35.0	...	25.4	40.2	32.3	42.2	35.6	25.5	36.0
1971	44.0	37.6	37.0	...	27.1	43.4	34.7	44.4	37.5	26.5	38.0
1972	45.0	38.6	38.4	...	28.5	44.4	35.9	45.6	38.9	27.2	39.4
1973	46.9	40.3	40.1	...	29.9	44.7	37.5	47.7	40.6	29.4	41.1
1974	52.9	46.9	43.8	...	34.5	46.3	41.4	51.3	44.3	38.1	44.8
1975	57.0	51.5	48.0	...	40.1	49.8	46.6	55.1	48.3	42.1	48.8
1976	59.5	54.1	52.0	...	44.7	56.9	51.3	58.4	52.2	45.1	52.7
1977	62.5	57.2	56.0	...	50.5	61.5	56.4	62.1	55.9	49.4	56.5
1978	65.5	60.4	60.8	...	55.0	64.4	61.2	66.4	60.7	52.5	61.3
1979	74.6	71.2	67.5	...	61.0	69.5	67.2	71.9	67.5	65.7	68.2
1980	88.4	87.1	77.9	...	71.4	79.2	74.8	78.7	78.2	86.0	78.5
1981	96.7	96.8	88.1	...	81.9	88.6	82.8	86.1	88.7	97.7	88.7
1982	98.3	98.2	96.0	...	93.2	96.1	92.6	93.5	96.4	99.2	96.3
1983	100.0	100.0	99.4	102.7	101.5	99.1	100.7	100.0	99.2	99.9	99.2
1984	101.7	101.8	104.6	107.7	105.4	104.8	106.7	106.5	104.4	100.9	104.5
1985	104.1	104.1	109.9	113.9	107.1	110.0	113.2	113.0	109.6	101.6	110.2
1986	98.5	96.9	115.4	120.2	105.7	116.3	121.9	119.4	114.6	88.2	116.5
1987	101.8	100.3	120.2	125.9	103.8	121.9	130.0	125.7	119.1	88.6	122.0
1988	105.8	104.0	125.7	132.0	104.6	128.0	138.3	132.6	124.3	89.3	127.9
1989	111.7	111.3	131.9	138.0	107.5	135.6	148.9	140.9	130.1	94.3	134.4
1990	119.9	120.9	139.2	145.5	109.3	144.2	162.7	150.2	136.8	102.1	142.3
1991	124.5	125.7	146.3	152.1	112.6	151.2	177.1	159.8	143.3	102.5	149.8
1992	127.6	128.9	152.0	157.3	114.8	155.7	190.5	168.5	148.4	103.0	155.9
1993	129.3	130.7	157.9	162.0	118.5	162.9	202.9	177.0	153.6	104.2	161.9
1994	129.7	131.6	163.1	167.0	119.2	168.6	213.4	185.4	158.4	104.6	167.6
1995	130.9	134.1	168.7	172.4	119.2	175.9	224.2	193.3	163.5	105.2	173.7
1996	134.5	139.5	174.1	178.0	122.1	180.5	232.4	201.4	168.7	110.1	179.4
1997	136.3	141.8	179.4	183.4	125.1	185.0	239.1	209.6	173.9	111.5	185.0
1998	134.6	139.2	184.2	189.6	121.2	187.9	246.8	216.9	178.4	102.9	190.6
1999	139.4	147.5	188.8	195.0	120.9	190.7	255.1	223.1	182.7	106.6	195.7
2000	149.1	162.9	195.3	201.3	128.0	196.1	266.0	229.9	188.9	124.6	202.1
2001	149.1	164.1	203.4	208.9	142.4	201.9	278.8	238.0	196.6	129.3	209.6
2002	147.4	163.3	209.8	216.7	134.4	209.1	292.9	246.4	202.5	121.7	217.5
2003	151.9	172.1	216.5	221.9	145.0	216.3	306.0	254.4	208.7	136.5	223.8

¹Includes tenants and household insurance, water, sewer, trash, and household operations services, not shown separately.²December 1982 = 100.

... = Not available.

Table 7-6. Consumer Price Indexes, All Urban Consumers (CPI-U): U.S. City Average, Selected Groups, and Purchasing Power of the Consumer Dollar, 1913–2003

(1982–1984 = 100, unless otherwise indicated.)

Year	All items	Food	Rent of primary residence	Owners' equivalent of primary residence ¹	Apparel	Purchasing power of the consumer dollar ²
1913	9.9	10.0	21.0	...	14.9	10.077
1914	10.0	10.2	21.0	...	15.0	9.942
1915	10.1	10.0	21.1	...	15.3	9.843
1916	10.9	11.3	21.3	...	16.8	9.152
1917	12.8	14.5	21.2	...	20.2	7.793
1918	15.1	16.7	21.5	...	27.3	6.635
1919	17.3	18.6	23.3	...	36.2	5.779
1920	20.0	21.0	27.4	...	43.1	4.989
1921	17.9	15.9	31.5	...	33.2	5.585
1922	16.8	14.9	32.4	...	27.0	5.962
1923	17.1	15.4	33.2	...	27.1	5.857
1924	17.1	15.2	34.4	...	26.8	5.845
1925	17.5	16.5	34.6	...	26.3	5.701
1926	17.7	17.0	34.2	...	25.9	5.647
1927	17.4	16.4	33.7	...	25.3	5.755
1928	17.1	16.3	32.9	...	25.0	5.833
1929	17.1	16.5	32.1	...	24.7	5.833
1930	16.7	15.6	31.2	...	24.2	5.986
1931	15.2	12.9	29.6	...	22.0	6.563
1932	13.7	10.7	26.5	...	19.5	7.317
1933	13.0	10.4	22.9	...	18.8	7.712
1934	13.4	11.6	21.4	...	20.6	7.464
1935	13.7	12.4	21.4	...	20.8	7.281
1936	13.9	12.6	21.9	...	21.0	7.213
1937	14.4	13.1	22.9	...	22.0	6.961
1938	14.1	12.1	23.7	...	21.9	7.093
1939	13.9	11.8	23.7	...	21.6	7.195
1940	14.0	12.0	23.7	...	21.8	7.126
1941	14.7	13.1	24.2	...	22.8	6.788
1942	16.3	15.4	24.7	...	26.7	6.132
1943	17.3	17.1	24.7	...	27.8	5.779
1944	17.6	16.9	24.8	...	29.8	5.680
1945	18.0	17.3	24.8	...	31.4	5.552
1946	19.5	19.8	25.0	...	34.4	5.115
1947	22.3	24.1	25.8	...	39.9	4.474
1948	24.1	26.1	27.5	...	42.5	4.151
1949	23.8	25.0	28.7	...	40.8	4.193
1950	24.1	25.4	29.7	...	40.3	4.151
1951	26.0	28.2	30.9	...	43.9	3.846
1952	26.5	28.7	32.2	...	43.5	3.765
1953	26.7	28.3	33.9	...	43.1	3.735
1954	26.9	28.2	35.1	...	43.1	3.717
1955	26.8	27.8	35.6	...	42.9	3.732
1956	27.2	28.0	36.3	...	43.7	3.678
1957	28.1	28.9	37.0	...	44.5	3.549
1958	28.9	30.2	37.6	...	44.6	3.457
1959	29.1	29.7	38.2	...	45.0	3.427

¹December 1982 = 100.
²Purchasing power in 1982–1984 = \$1.00.
 ... = Not available.

Table 7-6. Consumer Price Indexes, All Urban Consumers (CPI-U): U.S. City Average, Selected Groups, and Purchasing Power of the Consumer Dollar, 1913–2003—Continued

(1982–1984 = 100, unless otherwise indicated.)

Year	All items	Food	Rent of primary residence	Owners' equivalent of primary residence ¹	Apparel	Purchasing power of the consumer dollar ²
1960	29.6	30.0	38.7	...	45.7	3.373
1961	29.9	30.4	39.2	...	46.1	3.340
1962	30.2	30.6	39.7	...	46.3	3.304
1963	30.6	31.1	40.1	...	46.9	3.265
1964	31.0	31.5	40.5	...	47.3	3.220
1965	31.5	32.2	40.9	...	47.8	3.166
1966	32.4	33.8	41.5	...	49.0	3.080
1967	33.4	34.1	42.2	...	51.0	2.993
1968	34.8	35.3	43.3	...	53.7	2.873
1969	36.7	37.1	44.7	...	56.8	2.726
1970	38.8	39.2	46.5	...	59.2	2.574
1971	40.5	40.4	48.7	...	61.1	2.466
1972	41.8	42.1	50.4	...	62.3	2.391
1973	44.4	48.2	52.5	...	64.6	2.251
1974	49.3	55.1	55.2	...	69.4	2.029
1975	53.8	59.8	58.0	...	72.5	1.859
1976	56.9	61.6	61.1	...	75.2	1.757
1977	60.6	65.5	64.8	...	78.6	1.649
1978	65.2	72.0	69.3	...	81.4	1.532
1979	72.6	79.9	74.3	...	84.9	1.380
1980	82.4	86.8	80.9	...	90.9	1.215
1981	90.9	93.6	87.9	...	95.3	1.098
1982	96.5	97.4	94.6	...	97.8	1.035
1983	99.6	99.4	100.1	102.5	100.2	1.003
1984	103.9	103.2	105.3	107.3	102.1	0.961
1985	107.6	105.6	111.8	113.2	105.0	0.928
1986	109.6	109.0	118.3	119.4	105.9	0.913
1987	113.6	113.5	123.1	124.8	110.6	0.880
1988	118.3	118.2	127.8	131.1	115.4	0.846
1989	124.0	125.1	132.8	137.4	118.6	0.807
1990	130.7	132.4	138.4	144.8	124.1	0.766
1991	136.2	136.3	143.3	150.4	128.7	0.734
1992	140.3	137.9	146.9	155.5	131.9	0.713
1993	144.5	140.9	150.3	160.5	133.7	0.692
1994	148.2	144.3	154.0	165.8	133.4	0.675
1995	152.4	148.4	157.8	171.3	132.0	0.656
1996	156.9	153.3	162.0	176.8	131.7	0.638
1997	160.5	157.3	166.7	181.9	132.9	0.623
1998	163.0	160.7	172.1	187.8	133.0	0.614
1999	166.6	164.1	177.5	192.9	131.3	0.600
2000	172.2	167.8	183.9	198.7	129.6	0.581
2001	177.1	173.1	192.1	206.3	127.3	0.565
2002	179.9	176.2	199.7	214.7	124.0	0.556
2003	184.0	180.0	205.5	219.9	120.9	0.544

¹December 1982 = 100.²Purchasing power in 1982–1984 = \$1.00.

... = Not available.

Table 7-7. Consumer Price Indexes, Urban Wage Earners and Clerical Workers (CPI-W): U.S. City Average, Major Groups, 1913–2003

(1982–1984 = 100, unless otherwise indicated.)

Year	All items	Food and beverages	Housing	Apparel	Transportation	Medical care	Recreation ¹	Education and communication ¹	Other goods and services
1913	10.0	...	...	15.0	...	...	...	...	...
1914	10.1	...	...	15.1	...	...	...	...	...
1915	10.2	...	...	15.4	...	...	...	...	...
1916	11.0	...	...	16.9	...	...	...	...	...
1917	12.9	...	...	20.3	...	...	...	...	...
1918	15.1	...	...	27.5	...	...	...	...	...
1919	17.4	...	...	36.4	...	...	...	...	...
1920	20.1	...	...	43.3	...	...	...	...	...
1921	18.0	...	...	33.4	...	...	...	...	...
1922	16.9	...	...	27.2	...	...	...	...	...
1923	17.2	...	...	27.2	...	...	...	...	...
1924	17.2	...	...	26.9	...	...	...	...	...
1925	17.6	...	...	26.4	...	...	...	...	...
1926	17.8	...	...	26.0	...	...	...	...	...
1927	17.5	...	...	25.5	...	...	...	...	...
1928	17.2	...	...	25.1	...	...	...	...	...
1929	17.2	...	...	24.8	...	...	...	...	...
1930	16.8	...	...	24.3	...	...	...	...	...
1931	15.3	...	...	22.1	...	...	...	...	...
1932	13.7	...	...	19.6	...	...	...	...	...
1933	13.0	...	...	18.9	...	...	...	...	...
1934	13.5	...	...	20.7	...	...	...	...	...
1935	13.8	...	...	20.9	14.1	10.2	...	...	...
1936	13.9	...	...	21.1	14.2	10.3	...	...	...
1937	14.4	...	...	22.1	14.5	10.4	...	...	...
1938	14.2	...	...	22.0	14.6	10.4	...	...	...
1939	14.0	...	...	21.7	14.2	10.4	...	...	...
1940	14.1	...	...	21.9	14.1	10.4	...	...	...
1941	14.8	...	...	23.0	14.6	10.5	...	...	...
1942	16.4	...	...	26.8	15.9	10.8	...	...	...
1943	17.4	...	...	28.0	15.8	11.3	...	...	...
1944	17.7	...	...	30.0	15.8	11.6	...	...	...
1945	18.1	...	...	31.5	15.8	11.9	...	...	...
1946	19.6	...	...	34.6	16.6	12.6	...	...	...
1947	22.5	...	...	40.1	18.4	13.6	...	...	...
1948	24.2	...	...	42.7	20.4	14.5	...	...	...
1949	24.0	...	...	41.0	22.0	14.9	...	...	...
1950	24.2	...	...	40.5	22.6	15.2	...	...	...
1951	26.1	...	...	44.1	24.0	15.9	...	...	...
1952	26.7	...	...	43.7	25.6	16.8	...	...	...
1953	26.9	...	...	43.3	26.3	17.4	...	...	...
1954	27.0	...	...	43.3	25.9	17.9	...	...	...

¹December 1997 = 100.
 ... = Not available.

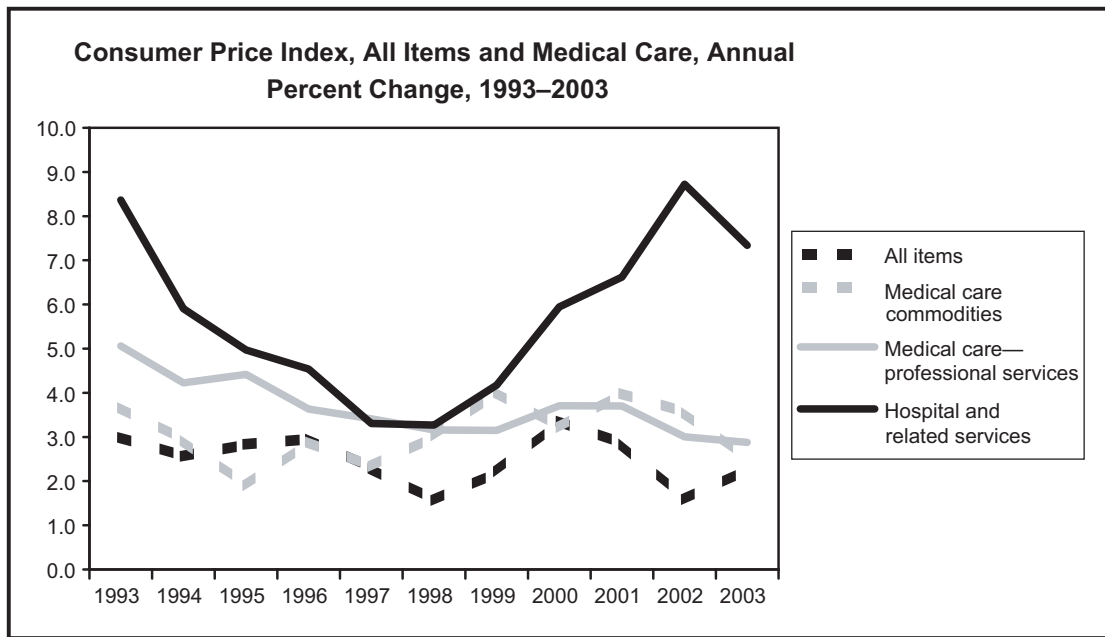
Table 7-7. Consumer Price Indexes, Urban Wage Earners and Clerical Workers (CPI-W): U.S. City Average, Major Groups, 1913–2003—Continued

(1982–1984 = 100, unless otherwise indicated.)

Year	All items	Food and beverages	Housing	Apparel	Transportation	Medical care	Recreation ¹	Education and communication ¹	Other goods and services
1955	26.9	...	...	43.1	25.6	18.3	...	...	...
1956	27.3	...	...	44.0	26.1	19.0	...	...	...
1957	28.3	...	...	44.7	27.6	19.8	...	...	...
1958	29.1	...	...	44.8	28.4	20.7	...	...	...
1959	29.3	...	...	45.2	29.6	21.6	...	...	...
1960	29.8	...	...	45.9	29.6	22.4	...	...	...
1961	30.1	...	...	46.3	30.0	23.0	...	...	...
1962	30.4	...	...	46.6	30.6	23.6	...	...	...
1963	30.8	...	...	47.1	30.8	24.2	...	...	...
1964	31.2	...	...	47.5	31.2	24.7	...	...	...
1965	31.7	...	...	48.0	31.7	25.3	...	...	...
1966	32.6	...	...	49.2	32.2	26.4	...	...	...
1967	33.6	35.0	31.1	51.2	33.1	28.3	...	...	35.4
1968	35.0	36.2	32.3	54.0	34.1	30.0	...	...	37.2
1969	36.9	38.0	34.3	57.1	35.5	32.1	...	...	39.1
1970	39.0	40.1	36.7	59.5	37.3	34.1	...	...	41.3
1971	40.7	41.3	38.3	61.4	39.2	36.3	...	...	43.3
1972	42.1	43.1	39.8	62.7	39.7	37.5	...	...	45.1
1973	44.7	48.8	41.5	65.0	41.0	39.0	...	...	46.9
1974	49.6	55.5	46.2	69.8	45.5	42.6	...	...	50.2
1975	54.1	60.2	51.1	72.9	49.8	47.7	...	...	54.4
1976	57.2	62.0	54.2	75.6	54.7	52.3	...	...	57.6
1977	60.9	65.7	57.9	79.0	58.6	57.3	...	...	60.9
1978	65.6	72.1	62.9	81.7	61.5	62.1	...	...	64.8
1979	73.1	79.9	70.7	85.2	70.4	68.0	...	...	69.4
1980	82.9	86.9	81.7	90.9	82.9	75.6	...	...	75.6
1981	91.4	93.6	91.1	95.6	93.0	83.5	...	...	82.5
1982	96.9	97.3	97.7	97.8	97.0	92.5	...	...	90.9
1983	99.8	99.5	100.0	100.2	99.2	100.5	...	...	101.3
1984	103.3	103.2	102.2	102.0	103.8	106.9	...	...	107.9
1985	106.9	105.5	106.6	105.0	106.4	113.6	...	...	114.2
1986	108.6	108.9	109.7	105.8	101.7	122.0	...	...	120.9
1987	112.5	113.3	112.8	110.4	105.1	130.2	...	...	127.8
1988	117.0	117.9	116.8	114.9	108.3	139.0	...	...	136.5
1989	122.6	124.6	121.2	117.9	113.9	149.6	...	...	147.4
1990	129.0	131.8	126.4	123.1	120.1	162.7	...	...	158.9
1991	134.3	136.5	131.2	127.4	123.1	176.5	...	...	171.7
1992	138.2	138.3	135.0	130.7	125.8	189.6	...	...	183.3
1993	142.1	141.2	138.5	132.4	129.4	200.9	91.2	86.0	192.2
1994	145.6	144.4	142.0	132.2	133.4	210.4	93.0	89.1	196.4
1995	149.8	148.3	145.4	130.9	138.8	219.8	94.7	92.3	204.2
1996	154.1	153.2	149.6	130.9	142.8	227.6	97.5	95.4	212.2
1997	157.6	157.2	153.4	132.1	143.6	234.0	99.7	98.5	221.6
1998	159.7	160.4	156.7	131.6	140.5	241.4	100.9	100.4	236.1
1999	163.2	163.8	160.0	130.1	143.4	249.7	101.3	101.5	261.9
2000	168.9	167.7	165.4	128.3	152.8	259.9	102.4	102.7	276.5
2001	173.5	173.0	172.1	126.1	153.6	271.8	103.6	105.3	289.5
2002	175.9	176.1	175.7	123.1	151.8	284.6	104.6	107.6	302.0
2003	179.8	179.9	180.4	120.0	156.3	296.3	105.5	109.0	307.0

¹December 1997 = 100.

... = Not available.



The CPI for hospital services continued to increase very rapidly at 7.3 percent. However, this is a smaller increase than in 2002 when it increased at a rate of 8.7 percent. This increase exceeded the other components of medical care: commodities, and professional services, which increased 2.5 percent and 2.9 percent respectively. The all items index increased 2.3 percent. (Table 7-8)

Table 7-8. Consumer Price Indexes, All Urban Consumers (CPI-U): U.S. City Average, by Expenditure Category, 1989–2003

(1982–1984 = 100, unless otherwise indicated.)

Expenditure category	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
ALL ITEMS	124.0	130.7	136.2	140.3	144.5	148.2	152.4	156.9	160.5	163.0	166.6	172.2	177.1	179.9	184.0
Food And Beverages	124.9	132.1	136.8	138.7	141.6	144.9	148.9	153.7	157.7	161.1	164.6	168.4	173.6	176.8	180.5
Food	125.1	132.4	136.3	137.9	140.9	144.3	148.4	153.3	157.3	160.7	164.1	167.8	173.1	176.2	180.0
Food at home	124.2	132.3	135.8	136.8	140.1	144.1	148.8	154.3	158.1	161.1	164.2	167.9	173.4	176.6	179.4
Cereals and bakery products	132.4	140.0	145.8	151.5	156.6	163.0	167.5	174.0	177.6	181.1	185.0	188.3	193.8	198.0	202.8
Meats, poultry, fish, and eggs	121.3	130.0	132.6	130.9	135.5	137.2	138.8	144.8	148.5	147.3	147.9	154.5	161.3	162.1	169.3
Dairy and related products	115.6	126.5	125.1	128.5	129.4	131.7	132.8	142.1	145.5	150.8	159.6	160.7	167.1	168.1	167.9
Fruits and vegetables	138.0	149.0	155.8	155.4	159.0	165.0	177.7	183.9	187.5	198.2	203.1	204.6	212.2	220.9	225.9
Nonalcoholic beverages and beverage materials	111.3	113.5	114.1	114.3	114.6	123.2	131.7	128.6	133.4	133.0	134.3	137.8	139.2	139.2	139.8
Other food at home	119.1	123.4	127.3	128.8	130.5	135.6	140.8	142.9	147.3	150.8	153.5	155.6	159.6	160.8	162.6
Sugar and sweets	119.4	124.7	129.3	133.1	133.4	135.2	137.5	143.7	147.8	150.2	152.3	154.0	155.7	159.0	162.0
Fats and oils	121.2	126.3	131.7	129.8	130.0	133.5	137.3	140.5	141.7	146.9	148.3	147.4	155.7	155.4	157.4
Other foods	125.5	131.2	137.1	140.1	143.7	147.5	151.1	156.2	161.2	165.5	168.9	172.2	176.0	177.1	178.8
Other miscellaneous foods ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	102.6	104.9	107.5	108.9	109.2	110.3
Food away from home	127.4	133.4	137.9	140.7	143.2	145.7	149.0	152.7	157.0	161.1	165.1	169.0	173.9	178.3	182.1
Other food away from home ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101.6	105.2	109.0	113.4	117.7	121.3
Alcoholic beverages	123.5	129.3	142.8	147.3	149.6	151.5	153.9	158.5	162.8	165.7	169.7	174.7	179.3	183.6	187.2
Housing	123.0	128.5	133.6	137.5	141.2	144.8	148.5	152.8	156.8	160.4	163.9	169.6	176.4	180.3	184.8
Shelter	132.8	140.0	146.3	151.2	155.7	160.5	165.7	171.0	176.3	182.1	187.3	193.4	200.6	208.1	213.1
Rent of primary residence	132.8	138.4	143.3	146.9	150.3	154.0	157.8	162.0	166.7	172.1	177.5	183.9	192.1	199.7	205.5
Lodging away from home ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	109.0	112.3	117.5	118.6	118.3	119.3
Owners' equivalent rent of primary residence ²	137.4	144.8	150.4	155.5	160.5	165.8	171.3	176.8	181.9	187.8	192.9	198.7	206.3	214.7	219.9
Tenants' and household insurance ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	99.8	101.3	103.7	106.2	108.7	114.8
Fuels and utilities	107.8	111.6	115.3	117.8	121.3	122.8	123.7	127.5	130.8	128.5	128.8	137.9	150.2	143.6	154.5
Fuels	100.9	104.5	106.7	108.1	111.2	111.7	111.5	115.2	117.9	113.7	113.5	122.8	135.4	127.2	138.2
Fuel oil and other household fuels	81.7	99.3	94.6	90.7	90.3	88.8	88.1	99.2	99.8	90.0	91.4	129.7	129.3	115.5	139.5
Gas (piped) and electricity	107.5	109.3	112.6	114.8	118.5	119.2	119.2	122.1	125.1	121.2	120.9	128.0	142.4	134.4	145.0
Water and sewer and trash collection services ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101.6	104.0	106.5	109.6	113.0	117.2
Household furnishings and operation	111.2	113.3	116.0	118.0	119.3	121.0	123.0	124.7	125.4	126.6	126.7	128.2	129.1	128.3	126.1
Household operations ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	101.5	104.5	110.5	115.6	119.0	121.8
Apparel	118.6	124.1	128.7	131.9	133.7	133.4	132.0	131.7	132.9	133.0	131.3	129.6	127.3	124.0	120.9
Men's and boys' apparel	117.0	120.4	124.2	126.5	127.5	126.4	126.2	127.7	130.1	131.8	131.1	129.7	125.7	121.7	118.0
Women's and girls' apparel	116.4	122.6	127.6	130.4	132.6	130.9	126.9	124.7	126.1	126.0	123.3	121.5	119.3	115.8	113.1
Infants' and toddlers' apparel	119.1	125.8	128.9	129.3	127.1	128.1	127.2	129.7	129.0	126.1	129.0	130.6	129.2	126.4	122.1
Footwear	114.4	117.4	120.9	125.0	125.9	126.0	125.4	126.6	127.6	128.0	125.7	123.8	123.0	121.4	119.6
Transportation	114.1	120.5	123.8	126.5	130.4	134.3	139.1	143.0	144.3	141.6	144.4	153.3	154.3	152.9	157.6
Private transportation	112.9	118.8	121.9	124.6	127.5	131.4	136.3	140.0	141.0	137.9	140.5	149.1	150.0	148.8	153.6
New and used motor vehicles ¹ .....	.....	.....	.....	.....	91.8	95.5	99.4	101.0	100.5	100.1	100.1	100.8	101.3	99.2	96.5
New vehicles	119.2	121.4	126.0	129.2	132.7	137.6	141.0	143.7	144.3	143.4	142.9	142.8	142.1	140.0	137.9
Used cars and trucks	120.4	117.6	118.1	123.2	133.9	141.7	156.5	157.0	151.1	150.6	152.0	155.8	158.7	152.0	142.9
Motor fuel	88.5	101.2	99.4	99.0	98.0	98.5	100.0	106.3	106.2	92.2	100.7	129.3	124.7	116.6	135.8
Gasoline (all types)	88.5	101.0	99.2	99.0	97.7	98.2	99.8	105.9	105.8	91.6	100.1	128.6	124.0	116.0	135.1
Motor vehicle parts and equipment	100.2	100.9	102.2	103.1	101.6	101.4	102.1	102.2	101.9	101.1	100.5	101.5	104.8	106.9	107.8
Motor vehicle maintenance and repair	124.9	130.1	136.0	141.3	145.9	150.2	154.0	158.4	162.7	167.1	171.9	177.3	183.5	190.2	195.6
Public transportation	129.5	142.6	148.9	151.4	167.0	172.0	175.9	181.9	186.7	190.3	197.7	209.6	210.6	207.4	209.3
Medical Care	149.3	162.8	177.0	190.1	201.4	211.0	220.5	228.2	234.6	242.1	250.6	260.8	272.8	285.6	297.1
Medical care commodities	150.8	163.4	176.8	188.1	195.0	200.7	204.5	210.4	215.3	221.8	230.7	238.1	247.6	256.4	262.8
Medical care services	148.9	162.7	177.1	190.5	202.9	213.4	224.2	232.4	239.1	246.8	255.1	266.0	278.8	292.9	306.0
Professional services	146.4	156.1	165.7	175.8	184.7	192.5	201.0	208.3	215.4	222.2	229.2	237.7	246.5	253.9	261.2
Hospital and related services	160.5	178.0	196.1	214.0	231.9	245.6	257.8	269.5	278.4	287.5	299.5	317.3	338.3	367.8	394.8
Recreation ¹ .....	.....	.....	.....	.....	90.7	92.7	94.5	97.4	99.6	101.1	102.0	103.3	104.9	106.2	107.5
Video and audio ¹ .....	.....	.....	.....	.....	96.5	95.4	95.1	96.6	99.4	101.1	100.7	101.0	101.5	102.8	103.6
Education And Communication ¹ .....	.....	.....	.....	.....	85.5	88.8	92.2	95.3	98.4	100.3	101.2	102.5	105.2	107.9	109.8
Education ¹ .....	.....	.....	.....	.....	78.4	83.3	88.0	92.7	97.3	102.1	107.0	112.5	118.5	126.0	134.4
Educational books and supplies	158.0	171.3	180.3	190.3	197.6	205.5	214.4	226.9	238.4	250.8	261.7	279.9	295.9	317.6	335.4
Tuition, other school fees, and child care .....	.....	.....	.....	.....	225.3	239.8	253.8	267.1	280.4	294.2	308.4	324.0	341.1	362.1	386.7
Communication ¹ .....	.....	.....	.....	.....	96.7	97.6	98.8	99.6	100.3	98.7	96.0	93.6	93.3	92.3	89.7
Information and information processing ¹ .....	.....	.....	.....	.....	97.7	98.6	98.7	99.5	100.4	98.5	95.5	92.8	92.3	90.8	87.8
Telephone services ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	100.7	100.1	98.5	99.3	99.7	98.3
Information technology, hardware, and services ³	96.3	93.5	88.6	83.7	78.8	72.0	63.8	57.2	50.1	39.9	30.5	25.9	21.3	18.3	16.1
Personal computers and peripheral equipment ¹ .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	78.2	53.5	41.1	29.5	22.2	17.6
Other Goods And Services	147.7	159.0	171.6	183.3	192.9	198.5	206.9	215.4	224.8	237.7	258.3	271.1	282.6	293.2	298.7
Tobacco and smoking products	164.4	181.5	202.7	219.8	228.4	220.0	225.7	232.8	243.7	274.8	355.8	394.9	425.2	461.5	469.0
Personal care .....	.....	.....	.....	.....	.....	141.5	144.6	147.1	150.1	152.7	156.7	161.1	165.6	170.5	178.0
Personal care products	123.2	128.2	132.8	136.5	139.0	141.5	143.1	144.3	144.2	148.3	151.8	153.7	155.1	154.7	153.5
Personal care services	126.8	132.8	137.0	140.0	144.0	147.9	151.5	156.6	162.4	166.0	171.4	178.1	184.3	188.4	193.2
Miscellaneous personal services	148.1	158.4	168.8	177.5	186.1	195.9	205.9	215.6	226.1	234.7	243.0	252.3			

Table 7-9. Relative Importance of Components in the Consumer Price Index, U.S. City Average, December 1997–December 2003

(Percent of all items.)

Index and year	All items	Food and beverages	Housing	Apparel	Transportation	Medical care	Recreation	Education and communication	Other goods and services
All URBAN CONSUMERS (CPI-U)									
December 1997	100.0	16.3	39.6	4.9	17.6	5.6	6.1	5.5	4.3
December 1998	100.0	16.4	39.8	4.8	17.0	5.7	6.1	5.5	4.6
December 1999	100.0	16.3	39.6	4.7	17.5	5.8	6.0	5.4	4.7
December 2000	100.0	16.2	40.0	4.4	17.6	5.8	5.9	5.3	4.8
December 2001 (1993–1995 Weights) ..	100.0	16.4	40.5	4.2	16.6	6.0	5.9	5.4	4.9
December 2001 (1999–2000 Weights) ..	100.0	15.7	40.9	4.4	17.1	5.8	6.0	5.8	4.3
December 2002	100.0	15.6	40.9	4.2	17.3	6.0	5.9	5.8	4.4
December 2003	100.0	15.4	42.1	4.0	16.9	6.1	5.9	5.9	3.8
URBAN WAGE EARNERS AND WORKERS (CPI-W)									
December 1997	100.0	17.9	36.5	5.3	19.8	4.6	6.0	5.4	4.5
December 1998	100.0	18.0	36.7	5.2	19.2	4.7	5.9	5.4	5.0
December 1999	100.0	17.9	36.5	5.0	19.7	4.7	5.8	5.3	5.1
December 2000	100.0	17.8	36.8	4.8	19.9	4.7	5.7	5.2	5.2
December 2001 (1993–1995 Weights) ..	100.0	18.0	37.3	4.6	18.8	4.9	5.7	5.3	5.4
December 2001 (1999–2000 Weights) ..	100.0	17.2	38.1	4.8	19.4	4.6	5.6	5.6	4.5
December 2002	100.0	17.1	38.1	4.6	19.7	4.7	5.6	5.6	4.6
December 2003	100.0	17.2	39.1	4.4	19.1	5.0	5.7	5.6	3.9

Table 7-10. Consumer Price Indexes, All Urban Consumers, All Items, Selected Areas, Selected Years, 1965–2003

(1982–1984 = 100, unless otherwise indicated.)

Area	1965	1975	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
NORTHEAST													
New York-Northern New Jersey-Long Island	32.6	57.6	82.1	90.1	95.3	99.8	104.8	108.7	112.3	118.0	123.7	130.6	138.5
Philadelphia-Wilmington-Atlantic City	32.8	56.8	83.6	92.1	96.6	99.4	104.1	108.8	111.5	116.8	122.4	128.3	135.8
Boston-Brockton-Nashua	32.5	55.8	82.6	91.8	95.5	99.8	104.7	109.4	112.2	117.1	124.2	131.3	138.9
Pittsburgh	31.4	52.4	81.0	89.3	94.4	101.1	104.5	106.9	108.2	111.4	114.9	120.1	126.2
NORTH CENTRAL													
Chicago-Gary-Kenosha	31.7	52.8	82.2	90.0	96.2	100.0	103.8	107.7	110.0	114.5	119.0	125.0	131.7
Detroit-Ann Arbor-Flint	31.2	53.9	85.3	93.2	97.0	99.8	103.2	106.8	108.3	111.7	116.1	122.3	128.6
St. Louis	31.7	52.6	82.5	90.1	96.6	100.1	103.3	107.1	108.6	112.2	115.7	121.8	128.1
Cleveland-Akron	29.6	50.2	78.9	87.2	94.0	101.2	104.8	107.8	109.4	112.7	116.7	122.7	129.0
Minneapolis-St. Paul	30.1	51.2	78.9	88.6	97.4	99.5	103.1	107.0	108.4	111.6	117.2	122.0	127.0
Milwaukee-Racine	31.0	50.8	81.4	90.7	95.9	100.2	103.8	107.0	107.4	111.5	115.9	120.8	126.2
Cincinnati-Hamilton	30.5	51.8	82.1	87.9	94.9	100.8	104.3	106.6	107.6	111.9	116.1	120.9	126.5
Kansas City	32.2	53.2	83.6	90.5	95.0	100.5	104.5	107.7	108.7	113.1	117.4	121.6	126.0
SOUTH													
Baltimore	31.6	39.1	83.7	91.5	95.6	99.9	104.5	108.2	110.9	114.2	119.3	124.5	130.8
Washington	31.9	39.8	82.9	90.5	95.5	99.8	104.6	109.0	112.2	116.2	121.0	128.0	135.6
Washington-Baltimore ¹ .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Dallas-Fort Worth	29.9	50.4	81.5	90.8	96.0	99.7	104.3	108.2	109.9	112.9	116.1	119.5	125.1
Houston-Galveston-Brazoria	29.6	51.4	82.7	91.0	97.3	100.0	102.7	104.9	103.9	106.5	109.5	114.1	120.6
Atlanta	31.2	53.6	80.3	90.2	96.0	99.9	104.1	108.9	112.2	116.5	120.4	126.1	131.7
Miami-Fort Lauderdale .....	...	...	81.1	90.5	96.7	99.9	103.5	106.5	107.9	111.8	116.8	121.5	128.0
Tampa-St. Petersburg-Clearwater ² .....	...	...	...	...	...	...	...	...	...	100.0	103.7	107.2	111.7
WEST													
Los Angeles-Riverside-Orange County	32.4	53.3	83.7	91.9	97.3	99.1	103.6	108.4	111.9	116.7	122.1	128.3	135.9
San Francisco-Oakland-San Jose	30.8	51.8	80.4	90.8	97.6	98.4	104.0	108.4	111.6	115.4	120.5	126.4	132.1
Seattle-Tacoma-Bremerton	31.0	51.1	82.7	91.8	97.7	99.3	103.0	105.6	106.7	109.2	112.8	118.1	126.8
San Diego	28.2	47.6	79.4	90.1	96.2	99.0	104.8	110.4	113.5	117.5	123.4	130.6	138.4
Portland-Salem	32.3	53.5	87.2	95.0	98.0	99.1	102.8	106.7	108.2	110.9	114.7	120.4	127.4
Honolulu	34.4	56.3	83.0	91.7	97.2	99.3	103.5	106.8	109.4	114.9	121.7	128.7	138.1
Anchorage	35.3	57.1	85.5	92.4	97.4	99.2	103.3	105.8	107.8	108.2	108.6	111.7	118.6
Denver-Boulder-Greeley	28.8	48.4	78.4	87.2	95.1	100.5	104.3	107.1	107.9	110.8	113.7	115.8	120.9
Area													
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
NORTHEAST													
New York-Northern New Jersey-Long Island	144.8	150.0	154.5	158.2	162.2	166.9	170.8	173.6	177.0	182.5	187.1	191.9	197.8
Philadelphia-Wilmington-Atlantic City	142.2	146.6	150.2	154.6	158.7	162.8	166.5	168.2	171.9	176.5	181.3	184.9	188.8
Boston-Brockton-Nashua	145.0	148.6	152.9	154.9	158.6	163.3	167.9	171.7	176.0	183.6	191.5	196.5	203.9
Pittsburgh	131.3	136.0	139.9	144.6	149.2	153.2	157.0	159.2	162.5	168.0	172.5	174.0	177.5
NORTH CENTRAL													
Chicago-Gary-Kenosha	137.0	141.1	145.4	148.6	153.3	157.4	161.7	165.0	168.4	173.8	178.3	181.2	184.5
Detroit-Ann Arbor-Flint	133.1	135.9	139.6	144.0	148.6	152.5	156.3	159.8	163.9	169.8	174.4	178.9	182.5
St. Louis	132.1	134.7	137.5	141.3	145.2	149.6	152.9	154.5	157.6	163.1	167.3	169.1	173.4
Cleveland-Akron	134.2	136.8	140.3	144.4	147.9	152.0	156.1	159.8	162.5	168.0	172.9	173.3	176.2
Minneapolis-St. Paul	130.4	135.0	139.2	143.6	147.0	151.9	155.4	158.3	163.3	170.1	176.5	179.6	182.7
Milwaukee-Racine	132.2	137.1	142.1	147.0	151.0	154.7	157.7	160.3	163.7	168.6	171.7	174.0	177.7
Cincinnati-Hamilton	131.4	134.1	137.8	142.4	146.2	149.6	152.1	155.1	159.2	164.8	167.9	170.0	173.4
Kansas City	131.2	134.3	138.1	141.3	145.3	151.6	155.8	157.8	160.1	166.6	172.2	174.0	177.0
SOUTH													
Baltimore	136.4	140.1	143.1	146.9	150.7	154.2	...	...	...	...	...	...	...
Washington	141.2	144.7	149.3	152.2	155.3	159.6	...	...	...	...	...	...	...
Washington-Baltimore ¹ .....	...	...	...	...	...	...	100.8	102.1	104.2	107.6	110.4	113.0	116.2
Dallas-Fort Worth	130.8	133.9	137.3	141.2	144.9	148.8	151.4	153.6	158.0	164.7	170.4	172.7	176.2
Houston-Galveston-Brazoria	125.1	129.1	133.4	137.9	139.8	142.7	145.4	146.8	148.7	154.2	158.8	159.2	163.7
Atlanta	135.9	138.5	143.4	146.7	150.9	156.0	158.9	161.2	164.8	170.6	176.2	178.2	180.8
Miami-Fort Lauderdale	132.3	134.5	139.1	143.6	148.9	153.7	158.4	160.5	162.4	164.8	167.9	170.0	173.4
Tampa-St. Petersburg-Clearwater ²	116.4	119.2	124.0	126.5	129.7	131.6	134.0	137.5	140.6	145.7	148.8	153.9	158.1
WEST													
Los Angeles-Riverside-Orange County	141.4	146.5	150.3	152.3	154.6	157.5	160.0	162.3	166.1	171.6	177.3	182.2	187.0
San Francisco-Oakland-San Jose	137.9	142.5	146.3	148.7	151.6	155.1	160.4	165.5	172.5	180.2	189.9	193.0	196.4
Seattle-Tacoma-Bremerton	134.1	139.0	142.9	147.8	152.3	157.5	163.0	167.7	172.8	179.2	185.7	189.3	192.3
San Diego	143.4	147.4	150.6	154.5	158.8	160.9	163.7	166.9	172.8	182.8	191.2	197.9	205.3
Portland-Salem	133.9	139.8	144.7	148.9	153.2	158.6	164.0	167.1	172.6	178.0	182.4	183.8	186.3
Honolulu	148.0	155.1	160.1	164.5	168.1	170.7	171.9	171.5	173.3	176.3	178.4	180.3	184.5
Anchorage	124.0	128.2	132.2	135.0	138.9	142.7	144.8	146.9	148.4	150.9	155.2	158.2	162.5
Denver-Boulder-Greeley	125.6	130.3	135.8	141.8	147.9	153.1	158.1	161.9	166.6	173.2	181.3	184.8	186.8

¹November 1996 = 100.²1987 = 100.

... = Not available.

NOTES AND DEFINITIONS

EXPORT AND IMPORT PRICE INDEXES

NOTE: The index base is 2000.

Collection and Coverage

United States export and import price indexes cover transactions in nonmilitary goods between the United States and the rest of the world. The export price indexes provide a measure of price change for U.S. products sold to other countries, and the import price indexes provide a measure of price change for goods purchased from other countries by U.S. residents.

Prices used in constructing the indexes are initially collected through personal visits by BLS field representatives; thereafter, the prices generally are collected each month by mail questionnaire or telephone. To the extent possible, products are priced at the U.S. border for exports and at both the foreign border and the U.S. border for imports. For a given product, however, only one price basis series is used in constructing the index. For most products, prices refer to transactions completed during the first week of the month. Indexes published here are based on the Standard Industrial Trade Classification System (SITC), a United Nations product classification system. The SITC is especially useful for international comparisons. These indexes are also published by End Use Category as well as the Harmonized System nomenclature.

Prices are collected according to the specification method. The specifications for each product include detailed descriptions of the physical and functional characteristics of the product. The terms of transaction

include information on the number of units bought or sold, discount, credit terms, packaging, class of buyer or seller, etc. When there are changes in either the specifications or terms of transaction of a product, the dollar value of each change is deleted from the total price change in order to obtain the “pure price change.” Once this value is determined, a linking procedure is employed which allows for continued re-pricing of the item.

At the elementary level, the price changes for individual items within a given Company/Classification Group cell are generally averaged together using equal weights in order to produce an index at the cell level. These cells are then averaged together using the relative importance of a given company’s trade in the product area, in order to produce an index at the Classification Group level. These Classification Group indexes are then averaged together using weights derived from these company weights in order to produce the lowest level publication strata. Successively higher levels of publication strata are then averaged together using their relative importance based on 1995 U.S. trade values.

A limited number of import price indexes based on locality of origin indexes are also produced. BLS also publishes indexes for selected categories of internationally traded services calculated on an international basis.

Sources of Additional Information

Concepts and methodology are described in Chapter 15 of the BLS *Handbook of Methods* and in monthly press releases.

Table 7-11. U.S. Export Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003

(2000 = 100.)

Categories	Relative importance ¹	1989				1990				1991			
		March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	100.00	95.2	95.2	94.4	94.4	94.8	95.1	95.8	96.3	96.4	96.1	95.6	95.7
Food And Live Animals	7.04	110.7	108.7	103.9	101.9	101.1	102.4	96.2	93.3	96.4	99.0	98.0	100.3
Meat and meat preparations	1.33	87.4	84.3	78.5	76.9	82.8	81.4	81.8	84.7	85.0	84.2	85.3	82.8
Fish, crustaceans, aquatic invertebrates, and preparations thereof	0.52	115.6	108.7	93.8	90.4	89.9	86.8	88.8	87.2	86.7	83.5	77.6	83.2
Cereals and cereal preparations	2.10	134.6	132.2	126.0	125.5	122.1	126.5	112.4	104.7	107.9	112.7	112.7	119.6
Vegetables, fruit and nuts, fresh or dried	1.34	88.0	91.9	92.1	89.2	92.6	93.2	90.2	89.5	104.0	111.0	103.4	95.6
Feeding stuff for animals (not including unmilled cereals)	0.76	129.5	121.1	117.3	108.4	102.3	99.5	101.0	104.9	105.6	101.9	107.2	108.0
Miscellaneous edible products and preparations	0.46	91.2	92.0	91.8	92.5	93.4	94.0	93.8	95.0	93.9	94.5	93.8	94.0
Beverages And Tobacco	0.70	79.9	80.2	82.1	81.9	83.4	84.9	85.6	88.0	89.9	90.4	90.9	92.6
Tobacco and tobacco manufactures	0.45	80.0	80.2	82.2	81.9	83.4	85.0	85.7	87.9	89.9	90.3	90.7	92.4
Crude Materials, Inedible, Except Fuels	5.45	100.5	100.7	98.0	96.2	96.4	96.7	97.1	94.7	94.6	91.8	88.2	86.2
Oil seeds and oleaginous fruits	1.44	146.5	136.5	117.3	115.2	115.2	116.1	123.5	123.3	124.1	118.7	116.8	111.8
Cork and wood	0.55	67.1	72.8	75.8	75.5	77.1	76.5	74.2	71.9	73.2	73.4	74.3	74.2
Textile fibers and their waste	0.57	101.3	109.7	111.4	110.5	111.2	118.2	116.0	115.3	120.3	123.2	112.5	102.6
Metalliferous ores and metal scrap	1.20	121.4	116.7	111.7	102.8	102.8	105.9	111.9	103.5	102.2	94.5	92.3	87.2
Mineral Fuels, Lubricants, And Related Materials	2.29	62.0	65.2	66.7	69.1	68.9	67.2	78.3	80.7	69.1	66.3	66.3	67.0
Petroleum, petroleum products, and related materials	1.65	50.0	55.8	57.5	61.6	60.1	57.5	77.2	79.2	59.3	54.9	54.9	56.1
Chemicals And Related Products, n.e.s.	13.45	98.3	95.5	92.2	90.2	90.4	90.4	93.3	97.1	96.1	92.5	91.0	90.3
Organic chemicals	3.08	118.4	114.8	106.1	101.1	97.4	93.9	99.5	105.1	100.7	93.6	88.6	88.6
Inorganic chemicals	0.80	...	...	...	...	...	...	...	...	...	...	...	...
Dyeing, tanning, and coloring materials	0.58	...	...	...	...	...	...	...	...	...	...	...	...
Medicinal and pharmaceutical products	2.46	90.9	90.8	91.2	90.5	91.4	91.7	92.0	92.5	92.2	92.4	94.0	94.0
Essential oils, polishing, and cleansing preparations	0.95	86.4	86.0	84.4	84.7	86.2	87.4	87.6	87.9	88.1	88.2	88.8	88.5
Fertilizers	0.45	...	...	...	...	...	...	...	...	...	...	...	...
Plastics in primary forms	2.29	...	...	...	...	...	...	...	...	...	...	...	...
Plastics in nonprimary forms	0.87	...	...	...	...	...	...	...	...	...	...	...	...
Chemical materials and products, n.e.s.	1.96	82.4	83.2	83.3	83.8	85.8	86.4	88.0	90.0	91.7	90.5	89.6	89.5
Manufactured Goods Classified Chiefly By Material	10.26	86.5	86.9	86.6	86.4	86.7	86.8	87.2	87.1	87.3	87.0	86.7	86.7
Rubber manufactures, n.e.s.	0.77	80.4	80.4	80.7	81.1	81.3	81.4	82.2	84.2	85.7	86.4	86.6	87.0
Uncoated paper, paperboard, linerboard	1.50	92.3	93.1	92.6	91.2	91.1	90.8	91.3	91.5	91.1	90.7	90.0	90.2
Textile yarn, fabrics, and made-up articles, n.e.s.	1.62	87.8	88.9	89.2	90.1	91.7	91.2	91.2	92.1	94.1	95.3	94.8	95.1
Nonmetallic mineral manufactures, n.e.s.	1.48	81.4	82.8	83.8	84.4	86.3	85.8	85.8	86.6	87.2	87.2	87.2	88.0
Iron and steel	1.19	...	...	...	...	...	...	...	...	...	...	...	...
Nonferrous metals	1.10	99.6	95.7	92.2	89.2	86.1	87.1	89.2	85.0	81.0	76.5	76.0	73.9
Manufactures of metals, n.e.s.	2.15	78.0	78.9	79.3	79.9	80.9	81.2	81.3	82.0	83.1	83.5	83.7	84.0
Machinery And Transport Equipment	48.64	94.9	95.3	96.0	96.6	97.4	97.9	98.3	98.8	100.3	101.0	101.4	101.7
Power generating machinery and equipment	4.89	73.4	74.0	75.1	75.3	76.3	77.0	77.2	77.8	79.8	80.7	81.4	81.8
Machinery specialized for particular industries	3.71	78.4	79.5	80.3	81.4	82.6	82.7	83.4	84.5	85.3	86.1	86.2	86.6
Metalworking machinery	0.63	78.4	79.5	79.8	80.4	81.1	82.1	82.2	84.2	85.9	87.7	87.9	88.3
General industrial machinery, equipment, and parts, n.e.s. ..	4.73	78.6	79.1	79.7	80.5	81.8	82.5	83.0	83.4	85.3	85.8	86.4	86.4
Computer equipment and office machines	5.61	195.7	193.7	193.6	193.6	193.4	193.2	192.9	190.5	190.9	189.4	187.2	185.0
Telecommunications and sound recording and reproducing apparatus and equipment	3.41	93.4	94.1	95.1	95.8	95.5	97.3	97.8	98.3	100.7	103.4	104.9	105.8
Electrical machinery and equipment	11.25	111.2	111.6	112.1	112.0	113.1	112.7	112.4	112.7	112.8	113.4	115.5	116.3
Road vehicles	8.81	85.7	86.2	86.9	87.9	88.2	88.7	89.1	90.1	90.9	91.2	91.4	92.1
Miscellaneous Manufactured Articles	11.17	86.6	87.7	88.3	89.3	89.7	90.5	91.8	93.2	94.4	95.1	95.4	95.9
Furniture and parts thereof	0.64	87.5	89.8	89.8	91.1	92.3	93.6	93.4	95.2	96.9	97.6	97.7	97.5
Articles of apparel and clothing accessories	0.86	...	...	...	...	...	...	...	...	...	...	...	...
Professional, scientific, and controlling instruments, and apparatus, n.e.s.	4.24	75.8	77.6	78.5	79.6	80.5	81.9	83.8	85.6	86.6	87.8	88.0	88.8
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	0.95	95.4	96.1	96.3	97.8	95.0	94.6	96.0	98.4	98.8	98.6	98.4	99.4
Miscellaneous manufactured articles, n.e.s.	4.10	96.0	95.8	96.1	97.0	97.6	98.1	98.7	99.4	101.1	101.2	101.9	101.7

n.e.s. = not elsewhere specified.

¹Percent of total, relative importance in December 1999, based on 1995 trade values.

... = Not available.

Table 7-11. U.S. Export Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	1992				1993				1994			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	96.2	96.5	96.6	96.3	96.6	96.9	96.9	97.3	98.2	98.5	99.1	101.1
Food And Live Animals	104.3	101.0	98.8	98.2	97.7	96.1	100.4	105.9	106.7	102.0	100.6	104.9
Meat and meat preparations	86.6	87.7	86.4	88.2	89.8	92.2	88.4	88.5	91.3	88.7	89.0	90.1
Fish, crustaceans, aquatic invertebrates, and preparations thereof	90.0	86.5	84.5	80.0	81.5	85.1	79.8	77.8	83.1	86.5	93.4	97.8
Cereals and cereal preparations	127.4	122.0	115.3	114.2	112.7	105.8	111.8	129.4	130.4	118.5	111.9	121.0
Vegetables, fruit and nuts, fresh or dried	97.0	91.4	92.0	94.1	94.7	94.1	107.8	104.5	102.5	100.1	100.1	103.5
Feeding stuff for animals (not including unmilled cereals)	103.9	104.1	107.0	105.8	101.9	102.7	109.6	112.0	108.8	108.2	105.9	101.0
Miscellaneous edible products and preparations	93.4	94.2	94.9	95.1	93.9	94.4	94.0	90.6	91.9	92.0	93.1	93.1
Beverages And Tobacco	93.1	93.8	94.7	95.5	96.4	96.7	97.5	96.5	96.9	97.0	96.8	96.9
Tobacco and tobacco manufactures	92.9	93.7	94.5	95.4	96.3	96.4	97.2	96.1	96.6	96.7	96.4	96.5
Crude Materials, Inedible, Except Fuels	87.6	89.9	90.4	90.0	93.4	95.8	94.3	95.0	100.7	104.0	104.8	112.4
Oil seeds and oleaginous fruits	113.8	117.6	110.1	110.2	114.4	117.0	130.0	133.9	134.2	134.9	115.0	109.8
Cork and wood	78.9	82.5	89.8	93.7	110.0	121.0	111.4	110.0	114.7	112.0	111.8	113.6
Textile fibers and their waste	97.9	99.1	94.7	94.1	97.8	96.1	93.3	95.6	113.3	120.9	117.3	127.3
Metalliferous ores and metal scrap	91.0	90.2	91.0	87.0	87.8	89.0	89.0	90.3	96.0	96.7	106.2	123.5
Mineral Fuels, Lubricants, And Related Materials	61.3	63.8	64.7	63.6	64.5	64.9	63.2	60.4	61.8	64.5	64.6	65.9
Petroleum, petroleum products, and related materials	47.4	52.9	54.6	52.2	53.5	55.3	52.6	48.2	50.1	55.0	55.6	56.7
Chemicals And Related Products, n.e.s.	90.2	90.4	90.1	89.0	89.1	89.2	88.5	88.6	89.5	91.9	96.4	101.3
Organic chemicals	88.5	90.5	91.9	89.7	89.2	89.5	87.8	86.7	87.7	91.8	97.9	107.4
Inorganic chemicals .....	...	...	...	87.9	86.0	85.1	82.5	82.5	79.7	82.8	88.2	90.4
Dyeing, tanning, and coloring materials .....	...	...	...	...	...	...	...	98.2	100.0	97.8	98.8	98.9
Medicinal and pharmaceutical products	95.1	95.7	95.6	95.8	97.2	98.3	98.7	99.5	100.0	99.6	99.2	98.7
Essential oils, polishing, and cleansing preparations	90.0	90.5	89.6	89.5	90.6	90.5	91.0	91.6	92.9	95.3	95.8	95.5
Fertilizers	99999.0	...	...	...	...	...	...	...	...	...	...	...
Plastics in primary forms .....	...	...	...	78.8	78.7	80.5	79.9	79.2	80.1	83.9	95.8	105.6
Plastics in nonprimary forms .....	...	...	...	92.9	92.6	90.0	90.7	90.6	91.3	92.5	94.2	97.4
Chemical materials and products, n.e.s.	90.1	90.1	90.5	90.6	91.9	92.5	92.6	92.6	94.7	95.2	95.4	97.1
Manufactured Goods Classified Chiefly By Material	87.2	87.5	87.8	87.7	88.4	87.6	88.1	87.6	89.5	90.8	92.6	96.4
Rubber manufactures, n.e.s.	86.8	86.9	87.5	87.7	88.7	89.3	89.6	89.5	89.7	89.9	90.7	90.9
Uncoated paper, paperboard, linerboard	89.9	89.7	89.2	88.8	87.5	85.6	84.7	84.9	85.5	87.7	92.9	101.2
Textile yarn, fabrics, and made-up articles, n.e.s.	96.5	96.7	97.0	97.3	97.3	97.8	97.8	97.0	97.7	97.7	97.0	97.2
Nonmetallic mineral manufactures, n.e.s.	88.2	89.2	89.3	89.4	89.6	90.8	91.9	91.2	92.1	92.4	92.7	93.5
Iron and steel .....	...	...	...	...	...	...	...	93.4	95.3	96.4	97.2	99.0
Nonferrous metals	75.4	76.3	76.4	73.9	74.3	70.6	72.3	68.6	76.3	80.3	85.7	96.7
Manufactures of metals, n.e.s.	84.2	84.2	84.8	85.6	86.1	85.5	86.2	86.8	87.5	87.3	87.7	89.4
Machinery And Transport Equipment	102.1	102.4	102.6	102.6	102.3	102.5	102.2	102.4	102.4	102.1	101.7	101.7
Power generating machinery and equipment	82.9	84.5	84.4	84.6	85.2	85.3	85.7	86.2	86.8	86.9	87.6	88.4
Machinery specialized for particular industries	87.3	88.0	88.4	89.0	89.6	90.0	90.5	91.0	91.1	91.5	91.6	91.6
Metalworking machinery	89.4	89.9	89.9	89.8	91.3	91.4	91.2	91.3	91.1	91.2	90.5	91.1
General industrial machinery, equipment, and parts, n.e.s. ..	87.6	87.8	88.1	88.6	89.2	89.6	90.1	90.6	90.9	91.0	91.3	91.3
Computer equipment and office machines	183.8	182.2	180.9	176.9	171.0	168.9	165.3	162.9	158.9	156.0	151.8	150.4
Telecommunications and sound recording and reproducing apparatus and equipment	104.5	105.3	105.7	105.8	105.0	106.4	105.7	105.6	104.6	104.4	103.8	103.4
Electrical machinery and equipment	117.6	116.8	117.4	117.2	116.1	116.7	115.9	116.6	116.8	116.3	114.8	114.4
Road vehicles	92.2	92.6	92.8	93.2	93.6	93.7	93.7	94.0	94.5	94.7	94.9	95.5
Miscellaneous Manufactured Articles	96.6	97.0	97.2	97.3	97.5	97.6	97.6	97.6	97.5	97.8	98.1	98.1
Furniture and parts thereof	98.4	98.2	97.8	98.1	95.9	94.3	94.2	94.4	94.6	94.9	95.4	94.1
Articles of apparel and clothing accessories .....	...	...	...	...	...	...	...	102.4	102.5	103.3	103.2	103.6
Professional, scientific and controlling instruments, and apparatus, n.e.s.	89.7	90.1	90.0	90.1	90.8	91.3	92.0	91.9	92.4	92.6	93.3	93.4
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	99.3	98.2	99.1	99.7	98.8	101.0	101.2	101.4	101.8	102.0	103.4	102.8
Miscellaneous manufactured articles, n.e.s.	102.1	103.0	103.6	103.3	102.8	102.5	101.7	101.5	100.6	100.9	100.6	100.7

n.e.s. = not elsewhere specified.

... = Not available.

Table 7-11. U.S. Export Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	1995				1996				1997			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	103.0	104.5	104.4	104.4	104.6	105.4	103.9	103.2	103.6	103.2	102.9	102.0
Food And Live Animals	106.3	112.1	121.6	126.5	131.8	140.4	123.4	117.3	119.0	113.3	114.4	111.3
Meat and meat preparations	92.9	95.7	99.4	101.4	94.0	97.4	94.4	93.7	92.4	91.3	91.3	90.7
Fish, crustaceans, aquatic invertebrates, and preparations thereof	106.8	107.1	105.6	96.3	91.2	92.8	96.9	100.5	92.5	88.5	102.9	96.6
Cereals and cereal preparations	120.1	133.2	149.6	167.9	183.0	203.3	152.6	140.4	146.4	128.9	132.7	131.9
Vegetables, fruit and nuts, fresh or dried	106.8	107.2	122.7	111.2	114.9	117.8	119.0	112.6	112.8	113.3	108.8	102.6
Feeding stuff for animals (not including unmilled cereals)	99.1	104.9	107.1	122.4	129.5	130.7	135.5	128.0	133.7	135.7	128.9	121.1
Miscellaneous edible products and preparations	92.9	94.8	94.0	95.3	96.0	96.6	96.2	97.1	96.7	96.9	98.3	98.2
Beverages And Tobacco	97.9	98.2	98.7	98.5	98.7	98.8	98.8	98.7	98.4	99.1	99.3	98.8
Tobacco and tobacco manufactures	97.5	98.1	98.6	98.3	98.5	98.6	98.6	98.5	98.1	98.9	99.1	98.4
Crude Materials, Inedible, Except Fuels	122.6	125.4	119.0	116.0	109.6	108.7	109.3	106.8	112.2	112.4	110.3	105.6
Oil seeds and oleaginous fruits	112.0	115.6	123.1	136.0	143.0	152.0	157.6	137.5	159.3	161.1	143.8	139.4
Cork and wood	117.9	117.5	111.4	112.0	113.0	109.0	110.9	112.3	110.5	107.3	104.7	98.6
Textile fibers and their waste	152.6	154.3	141.2	142.2	133.4	131.6	125.1	120.5	122.9	120.3	121.2	115.5
Metalliferous ores and metal scrap	132.4	132.2	125.0	116.4	114.8	113.4	108.6	108.7	113.8	116.4	119.8	106.5
Mineral Fuels, Lubricants, And Related Materials	65.6	68.5	67.5	68.5	71.8	73.3	75.6	78.4	74.8	74.5	75.1	75.8
Petroleum, petroleum products, and related materials	56.1	59.6	57.4	59.2	64.1	65.4	69.6	73.9	68.7	68.7	70.1	68.5
Chemicals And Related Products, n.e.s.	107.1	108.4	104.3	102.1	102.5	102.6	101.8	101.5	102.3	102.0	100.9	100.3
Organic chemicals	117.0	122.8	112.6	105.8	103.9	100.9	97.6	97.6	99.0	97.6	96.2	96.0
Inorganic chemicals	102.4	100.9	101.7	102.2	105.6	106.1	103.3	103.5	100.9	101.1	100.3	100.9
Dyeing, tanning, and coloring materials	100.3	100.8	101.4	101.0	101.2	101.3	101.3	102.7	102.9	102.5	103.2	103.2
Medicinal and pharmaceutical products	99.5	100.4	100.5	99.9	101.9	101.6	101.7	101.7	100.8	101.4	101.0	100.7
Essential oils, polishing, and cleansing preparations	96.4	96.4	96.8	97.7	96.8	97.6	98.5	98.3	99.0	99.7	100.4	98.7
Fertilizers .....	...	...	...	...	...	...	...	133.3	128.2	128.1	126.6	125.6
Plastics in primary forms	111.8	110.6	99.7	94.4	96.4	100.7	101.3	99.0	103.1	102.4	98.8	98.2
Plastics in nonprimary forms	99.0	101.8	102.0	101.3	101.5	100.8	98.9	98.3	99.6	100.0	99.8	99.6
Chemical materials and products, n.e.s.	99.2	100.7	101.4	101.3	101.5	102.6	103.5	103.8	104.2	104.6	104.2	102.6
Manufactured Goods Classified Chiefly By Material	99.0	100.6	100.6	99.4	98.5	97.7	97.0	96.8	97.4	98.1	98.5	98.4
Rubber manufactures, n.e.s.	95.3	95.7	97.1	98.3	98.0	98.6	98.5	98.7	98.5	99.0	97.7	97.9
Uncoated paper, paperboard, linerboard	108.0	115.6	114.0	109.0	103.6	97.7	97.9	95.0	93.0	93.4	95.1	95.2
Textile yarn, fabrics, and made-up articles, n.e.s.	99.0	102.8	102.6	103.7	104.8	105.5	104.8	104.1	103.4	105.0	105.0	104.8
Nonmetallic mineral manufactures, n.e.s.	94.1	94.3	94.4	95.2	96.1	95.4	96.3	97.9	98.0	98.3	100.0	100.9
Iron and steel	101.7	104.0	104.0	104.7	104.7	106.0	104.8	104.9	106.7	106.0	106.2	106.3
Nonferrous metals	100.1	98.2	98.9	93.7	91.6	91.9	87.3	86.9	90.3	92.0	91.8	89.6
Manufactures of metals, n.e.s.	91.6	92.3	92.7	93.2	94.4	93.6	93.6	93.7	95.1	96.3	96.2	96.3
Machinery And Transport Equipment	102.2	102.8	103.0	103.2	103.3	103.6	103.3	103.2	103.3	103.3	102.9	102.5
Power generating machinery and equipment	88.3	88.5	88.7	90.3	91.9	92.9	92.8	93.1	94.0	94.4	94.5	94.6
Machinery specialized for particular industries	93.0	94.0	94.8	95.2	95.9	96.5	97.0	96.8	97.6	98.0	98.3	98.7
Metalworking machinery	92.0	92.3	92.8	92.8	93.7	94.4	94.6	94.5	96.7	96.3	96.4	97.5
General industrial machinery, equipment, and parts, n.e.s. ..	90.9	91.0	91.3	91.3	94.0	94.8	95.0	95.4	96.3	97.3	97.3	97.5
Computer equipment and office machines	148.1	147.5	144.7	142.9	139.7	137.2	132.3	128.7	126.9	123.9	122.5	119.5
Telecommunications and sound recording and reproducing apparatus and equipment	103.4	103.8	103.2	102.4	104.6	104.6	103.7	104.2	103.4	103.0	102.6	102.1
Electrical machinery and equipment	115.2	117.2	117.5	116.8	116.2	115.3	113.9	113.5	112.5	112.3	110.7	109.9
Road vehicles	96.0	96.1	96.2	97.1	97.1	97.2	97.2	97.6	98.0	98.0	97.9	98.2
Miscellaneous Manufactured Articles	98.3	98.6	98.6	98.8	99.4	99.4	99.5	99.9	100.2	100.3	100.4	100.4
Furniture and parts thereof	94.0	94.7	94.8	95.1	96.7	96.0	96.4	96.4	97.0	97.9	97.9	98.1
Articles of apparel and clothing accessories	103.4	102.5	104.4	102.6	103.0	103.8	104.2	104.4	105.0	104.9	107.1	107.2
Professional, scientific and controlling instruments, and apparatus, n.e.s.	93.9	94.3	94.4	94.5	95.4	95.8	96.1	96.7	97.8	97.5	97.4	97.6
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	103.3	103.5	102.3	102.1	102.2	101.4	101.7	102.2	101.4	102.0	101.6	101.0
Miscellaneous manufactured articles, n.e.s.	100.9	101.0	100.9	101.9	102.0	101.9	101.7	101.9	101.4	101.8	101.6	101.5

n.e.s. = not elsewhere specified.

... = Not available.

Table 7-11. U.S. Export Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	1998				1999				2000			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	100.7	99.9	98.5	98.5	97.9	98.2	98.5	99.0	100.0	100.1	100.4	100.1
Food And Live Animals	106.4	104.6	99.8	103.0	101.1	102.6	99.6	98.5	99.9	100.6	98.8	102.1
Meat and meat preparations	88.3	93.7	92.3	86.2	86.2	87.6	93.4	96.7	95.3	104.8	100.8	101.5
Fish, crustaceans, aquatic invertebrates, and preparations thereof	86.0	83.8	99.5	99.3	109.8	123.0	100.8	102.6	98.9	100.6	100.1	98.4
Cereals and cereal preparations	126.3	115.4	98.0	110.2	105.9	106.0	101.5	95.7	103.9	100.0	94.7	105.8
Vegetables, fruit and nuts, fresh or dried	102.3	109.8	110.6	111.1	105.8	109.9	105.1	101.7	98.8	97.9	102.5	99.1
Feeding stuff for animals (not including unmilled cereals)	107.8	101.3	94.4	98.4	96.8	92.5	93.6	97.4	98.2	100.4	99.2	104.6
Miscellaneous edible products and preparations	98.1	98.3	99.5	100.0	100.0	100.1	100.6	100.7	99.8	100.0	100.0	100.2
Beverages And Tobacco	98.4	98.2	98.0	99.0	99.5	99.4	99.8	100.1	100.2	100.0	99.9	99.8
Tobacco and tobacco manufactures	98.2	97.8	97.5	98.4	99.3	99.2	99.7	100.1	100.1	99.9	99.9	99.9
Crude Materials, Inedible, Except Fuels	101.4	98.7	93.8	91.8	89.1	90.2	93.5	94.9	100.2	101.6	100.7	99.4
Oil seeds and oleaginous fruits	129.7	122.8	109.8	114.4	93.7	94.8	101.7	95.2	102.9	103.3	100.3	101.8
Cork and wood	96.8	94.5	94.7	93.7	93.8	94.4	95.4	97.9	100.4	99.8	100.1	98.9
Textile fibers and their waste	112.5	114.4	110.2	101.9	100.7	99.1	92.9	90.2	99.1	100.5	104.3	105.7
Metalliferous ores and metal scrap	101.2	97.2	88.4	86.1	88.6	89.7	93.3	99.5	102.6	99.2	99.9	94.8
Mineral Fuels, Lubricants, And Related Materials	71.3	69.3	62.8	63.0	62.5	68.5	77.5	85.0	102.2	97.4	111.7	105.8
Petroleum, petroleum products, and related materials	63.6	61.4	52.3	53.0	52.3	61.9	74.0	80.6	103.1	96.8	117.0	105.6
Chemicals And Related Products, n.e.s.	99.0	97.9	97.0	96.2	95.7	96.4	97.6	98.9	99.7	100.9	99.8	98.3
Organic chemicals	91.2	88.7	86.4	85.3	84.7	86.4	90.6	96.3	98.8	102.1	99.9	96.0
Inorganic chemicals	103.7	105.2	104.9	105.1	104.7	102.7	100.4	99.7	99.6	101.2	99.8	101.4
Dyeing, tanning, and coloring materials	102.6	101.2	100.1	100.6	101.9	101.6	101.5	100.5	99.8	100.0	99.9	99.9
Medicinal and pharmaceutical products	102.2	101.4	101.5	100.4	100.3	100.4	99.6	100.1	100.0	99.5	100.0	100.0
Essential oils, polishing, and cleansing preparations	98.4	98.2	99.4	98.5	98.3	98.7	98.9	100.1	99.8	99.6	100.1	100.0
Fertilizers	122.7	128.0	130.5	127.8	125.2	119.4	113.2	97.8	96.5	96.1	105.3	102.0
Plastics in primary forms	96.7	93.7	92.4	90.2	89.0	93.2	97.2	100.2	100.8	103.4	97.8	94.9
Plastics in nonprimary forms	100.6	98.7	98.1	96.3	97.3	98.1	98.4	98.9	101.0	100.2	100.2	99.2
Chemical materials and products, n.e.s.	101.2	101.2	100.6	101.8	101.1	100.3	99.9	99.7	100.3	99.7	99.8	100.5
Manufactured Goods Classified Chiefly By Material	98.2	97.7	96.7	96.3	96.3	96.7	97.3	98.1	99.6	100.2	100.9	100.3
Rubber manufactures, n.e.s.	97.9	97.7	98.2	101.6	102.4	101.2	102.5	104.0	99.4	100.1	100.4	99.5
Uncoated paper, paperboard, linerboard	94.7	93.7	91.0	91.0	90.5	93.3	96.6	97.6	98.9	100.5	100.7	99.7
Textile yarn, fabrics, and made-up articles, n.e.s.	105.3	104.9	103.0	102.7	101.3	100.8	100.3	100.3	100.0	100.2	100.1	98.4
Nonmetallic mineral manufactures, n.e.s.	100.8	100.6	100.7	101.1	100.3	100.2	99.9	99.7	100.1	100.4	100.0	99.5
Iron and steel	103.9	103.7	102.9	100.0	98.7	97.5	97.6	97.7	99.9	101.2	100.0	99.5
Nonferrous metals	89.8	86.7	84.1	82.6	82.7	83.7	86.6	90.9	100.3	98.5	103.4	103.3
Manufactures of metals, n.e.s.	96.8	98.6	98.4	98.1	99.8	100.2	99.0	98.8	98.6	100.9	101.5	101.1
Machinery And Transport Equipment	102.0	101.4	100.9	100.9	100.6	100.3	99.9	99.9	99.9	100.0	100.1	100.1
Power generating machinery and equipment	95.1	95.3	95.2	96.6	97.4	97.6	98.0	98.8	99.5	99.7	100.0	101.2
Machinery specialized for particular industries	98.8	99.0	99.2	98.9	99.4	99.8	99.5	98.4	99.8	100.2	100.0	100.3
Metalworking machinery	99.5	100.0	100.1	100.5	100.6	100.4	100.4	100.1	100.1	99.3	100.1	99.8
General industrial machinery, equipment, and parts, n.e.s. ..	97.9	98.1	98.4	98.5	99.1	99.2	99.5	99.8	99.9	100.1	100.0	100.3
Computer equipment and office machines	116.9	112.0	109.4	108.9	106.9	104.8	102.8	102.7	100.5	99.9	99.3	99.0
Telecommunications and sound recording and reproducing apparatus and equipment	102.0	102.1	101.6	100.9	100.9	100.2	100.2	100.0	99.9	100.3	100.1	99.6
Electrical machinery and equipment	108.3	107.2	106.1	105.4	104.0	103.1	102.0	100.9	100.5	99.8	99.9	99.3
Road vehicles	98.0	98.1	98.2	98.3	98.4	98.6	98.6	99.3	100.1	100.0	100.2	100.1
Miscellaneous Manufactured Articles	100.0	99.4	99.2	99.2	99.6	99.6	99.8	99.9	99.6	99.7	100.2	100.2
Furniture and parts thereof	98.7	98.4	98.5	98.5	98.5	99.0	99.7	99.5	99.4	100.1	99.8	101.1
Articles of apparel and clothing accessories	107.4	107.4	106.2	104.4	104.7	103.8	103.9	103.7	100.1	99.8	99.0	99.5
Professional, scientific and controlling instruments, and apparatus, n.e.s.	97.7	97.8	97.8	98.1	99.0	99.2	99.4	99.3	99.6	99.7	100.4	100.4
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	98.4	96.5	95.2	97.3	97.9	97.2	98.6	100.3	97.9	98.0	101.6	101.3
Miscellaneous manufactured articles, n.e.s.	100.6	99.3	99.5	99.3	99.2	99.5	99.4	99.5	99.7	99.9	100.0	99.9

n.e.s. = not elsewhere specified.

Table 7-11. U.S. Export Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	2001				2002				2003			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	100.0	99.4	99.0	97.6	97.6	98.0	98.8	98.6	99.7	99.5	99.8	100.8
Food And Live Animals	102.5	101.1	103.3	101.2	100.3	99.8	107.7	105.8	105.9	107.5	112.1	116.5
Meat and meat preparations	102.6	106.1	107.8	97.8	93.2	90.0	89.8	90.3	96.4	102.9	117.2	123.0
Fish, crustaceans, aquatic invertebrates, and preparations thereof	99.0	90.8	90.4	88.6	94.3	97.9	98.6	101.7	108.2	108.2	103.3	103.1
Cereals and cereal preparations	107.9	102.6	106.4	107.2	105.4	106.5	133.4	126.3	122.2	118.5	124.2	130.8
Vegetables, fruit and nuts, fresh or dried	97.9	98.6	100.8	100.6	102.5	99.0	98.9	98.3	95.1	99.6	101.4	103.2
Feeding stuff for animals (not including unmilled cereals)	100.7	101.1	103.6	102.4	99.6	101.2	106.8	103.5	105.5	108.8	112.7	123.2
Miscellaneous edible products and preparations	100.1	100.1	100.1	100.1	100.7	100.7	100.7	100.5	101.0	101.5	101.0	100.3
Beverages And Tobacco	98.9	98.4	98.4	98.3	97.4	98.2	98.8	98.7	97.4	98.2	97.8	100.6
Tobacco and tobacco manufactures	98.9	98.2	98.2	98.1	96.8	97.6	98.0	97.8	95.9	96.6	96.2	99.7
Crude Materials, Inedible, Except Fuels	96.0	92.6	89.5	87.1	87.7	95.3	97.3	98.5	102.3	103.9	106.2	116.9
Oil seeds and oleaginous fruits	94.5	95.6	99.0	90.9	92.0	102.9	114.1	116.2	116.6	122.7	121.1	152.5
Cork and wood	96.1	92.8	90.2	88.0	87.2	87.1	90.0	90.3	91.2	90.4	91.6	93.7
Textile fibers and their waste	97.6	90.9	87.7	84.0	86.2	88.6	93.1	98.3	105.0	103.2	109.6	121.2
Metalliferous ores and metal scrap	92.0	91.0	85.1	81.9	87.3	99.8	93.9	96.3	105.8	109.0	119.9	136.6
Mineral Fuels, Lubricants, And Related Materials	102.4	103.2	103.3	82.4	89.8	93.9	102.8	99.5	130.1	107.6	108.7	110.7
Petroleum, petroleum products, and related materials	99.2	101.8	103.6	74.6	83.6	87.9	98.0	92.2	130.2	102.7	104.2	106.2
Chemicals And Related Products, n.e.s.	98.7	96.2	93.8	92.8	93.2	95.3	96.8	96.6	100.6	100.8	100.3	101.4
Organic chemicals	95.9	90.6	84.9	83.9	84.9	90.8	95.3	94.9	103.4	103.1	100.4	103.3
Inorganic chemicals	104.1	103.3	103.2	102.8	101.6	102.1	101.0	96.9	98.1	98.6	99.1	99.1
Dyeing, tanning, and coloring materials	99.6	98.3	97.7	96.3	97.0	97.4	98.0	98.0	98.4	98.8	98.8	98.1
Medicinal and pharmaceutical products	99.2	99.5	101.1	100.9	100.5	100.4	101.4	101.2	104.1	104.8	105.4	105.8
Essential oils, polishing, and cleansing preparations	100.2	99.7	99.1	98.8	97.6	97.3	97.4	97.3	96.2	97.3	98.2	100.1
Fertilizers	105.3	94.9	91.8	94.0	98.1	95.5	100.9	104.3	108.2	117.2	122.8	123.1
Plastics in primary forms	97.8	93.9	88.6	86.5	87.6	92.5	92.9	92.9	99.5	96.6	95.4	96.5
Plastics in nonprimary forms	97.6	97.4	97.2	95.8	95.8	96.0	96.9	95.9	97.2	98.8	98.2	97.2
Chemical materials and products, n.e.s.	99.1	99.1	99.0	97.6	98.0	97.5	98.3	98.8	100.7	101.6	101.9	102.6
Manufactured Goods Classified Chiefly By Material	100.2	99.5	98.2	96.7	96.7	98.1	99.1	99.0	99.4	100.0	100.2	100.8
Rubber manufactures, n.e.s.	100.4	99.8	101.0	100.9	100.8	102.7	105.6	105.6	108.4	110.1	109.2	109.9
Uncoated paper, paperboard, linerboard	98.4	97.4	95.6	95.1	92.5	94.8	96.3	96.8	96.7	98.3	98.3	97.6
Textile yarn, fabrics, and made-up articles, n.e.s.	98.8	98.5	98.8	97.5	97.8	100.0	100.6	101.1	102.0	102.7	102.1	102.5
Nonmetallic mineral manufactures, n.e.s.	99.8	100.8	101.1	102.1	102.1	102.2	102.2	101.3	100.2	100.4	99.5	99.8
Iron and steel	96.8	97.8	98.3	95.7	96.6	101.0	103.6	104.3	104.5	106.8	106.1	109.6
Nonferrous metals	104.9	98.0	90.2	83.1	85.1	85.3	84.4	83.5	84.3	80.3	81.6	84.5
Manufactures of metals, n.e.s.	100.9	101.5	101.8	101.7	101.9	102.5	103.4	103.3	103.5	104.8	104.4	104.4
Machinery And Transport Equipment	100.6	100.3	100.0	99.6	99.5	98.9	98.7	98.5	98.5	97.8	97.9	97.8
Power generating machinery and equipment	102.0	102.3	103.0	103.9	104.6	104.5	104.4	105.1	106.9	107.2	107.5	108.7
Machinery specialized for particular industries	100.5	100.3	99.5	100.5	101.1	101.8	101.8	101.7	102.2	102.6	103.1	103.4
Metalworking machinery	101.1	101.0	101.2	100.7	100.0	99.9	100.2	100.5	101.7	101.0	100.8	100.7
General industrial machinery, equipment, and parts, n.e.s. ..	101.0	101.3	101.9	101.7	102.2	102.3	102.3	101.6	102.1	102.4	102.6	102.8
Computer equipment and office machines	97.8	95.9	94.8	92.9	93.1	90.4	89.4	88.6	88.6	88.1	87.8	88.6
Telecommunications and sound recording and reproducing apparatus and equipment	99.8	99.8	98.5	97.7	97.5	97.7	96.4	95.8	95.0	93.8	93.3	92.0
Electrical machinery and equipment	99.2	98.3	97.6	95.9	94.7	93.9	93.5	92.9	92.2	89.7	89.4	88.1
Road vehicles	100.2	100.2	100.2	100.3	100.3	100.3	100.6	101.0	100.9	101.1	101.4	101.5
Miscellaneous Manufactured Articles	100.0	100.1	100.4	100.4	100.5	100.4	100.4	100.6	100.5	101.2	100.7	101.1
Furniture and parts thereof	101.0	101.0	101.8	101.6	101.7	101.6	101.5	101.4	101.1	101.4	102.6	102.5
Articles of apparel and clothing accessories	96.9	96.6	98.1	98.2	98.3	98.8	97.8	97.2	97.5	97.0	96.8	97.1
Professional, scientific and controlling instruments, and apparatus, n.e.s.	100.8	100.9	100.9	100.9	101.2	101.3	101.4	101.7	101.5	102.2	102.2	102.3
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	99.1	98.2	98.7	97.6	96.6	97.5	97.3	97.4	97.1	98.9	94.4	95.6
Miscellaneous manufactured articles, n.e.s.	100.3	100.5	100.6	101.0	100.9	100.4	100.5	101.1	100.9	101.6	101.2	101.6

n.e.s. = not elsewhere specified.

Table 7-12. U.S. Import Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003

(2000 = 100.)

Categories	Relative importance ¹	1989				1990				1991			
		March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	100.00	91.3	91.5	90.4	91.6	92.4	90.8	96.5	98.4	95.0	93.4	93.3	94.3
Food And Live Animals	3.62	94.0	91.7	87.4	89.1	91.9	92.1	93.9	95.7	95.7	95.6	94.6	95.6
Meat and meat preparations	0.43	96.5	95.1	107.6	116.3	113.1	118.4	121.7	120.5	120.9	125.0	119.5	115.9
Fish, crustaceans, aquatic invertebrates, and preparations thereof	0.87	71.3	68.9	68.3	68.6	70.7	70.9	74.5	77.1	79.7	78.9	78.2	78.3
Vegetables, fruit and nuts, fresh or dried	0.86	85.3	85.1	82.3	88.5	90.7	87.0	83.1	90.6	88.3	91.4	91.9	95.6
Coffee, tea, cocoa, spices, and manufactures thereof	0.43	145.1	135.7	99.3	91.2	103.7	105.4	110.6	104.5	104.7	98.8	98.2	98.5
Beverages And Tobacco	0.93	70.1	70.3	72.3	73.4	74.7	76.5	77.6	79.6	84.2	85.4	85.3	86.3
Beverages	0.82	73.5	73.5	74.8	75.6	77.3	78.9	80.0	81.5	86.6	87.6	87.2	88.2
Crude Materials, Inedible, Except Fuels	2.18	100.3	99.0	94.1	93.3	91.3	90.4	88.0	85.0	84.4	85.0	81.8	81.5
Cork and wood	0.90	65.0	65.1	65.8	64.7	66.0	66.7	66.2	61.6	62.9	70.1	66.6	68.0
Woodpulp and recovered paper	0.27	117.5	120.9	120.9	120.6	118.9	116.6	112.5	105.6	97.1	89.8	80.7	78.6
Metalliferous ores and metal scrap	0.38	118.6	123.2	106.4	102.5	97.5	93.2	90.2	89.1	89.1	86.6	86.8	86.2
Crude animal and vegetable materials, n.e.s.	0.22	...	...	...	...	...	...	...	...	...	...	...	...
Mineral Fuels, Lubricants, And Related Materials	14.97	57.4	63.0	59.1	63.6	64.3	54.7	87.3	93.0	65.8	62.3	63.6	63.3
Petroleum, petroleum products, and related materials	13.10	57.7	63.8	59.6	64.1	64.6	54.8	89.8	95.1	66.3	63.0	64.5	63.9
Gas, natural and manufactured	1.88	54.6	54.3	53.6	58.4	63.7	54.9	57.7	69.2	61.5	54.1	53.4	57.8
Chemicals And Related Products, n.e.s.	7.67	97.9	95.5	93.3	94.2	94.3	93.7	94.9	97.6	97.4	95.8	95.4	95.6
Organic chemicals	2.58	101.7	98.6	95.4	97.5	98.7	98.1	100.0	104.7	101.8	98.6	96.1	97.1
Inorganic chemicals	0.60	105.3	97.9	96.9	97.3	95.4	95.8	97.0	100.7	101.5	100.2	98.1	94.9
Dyeing, tanning, and coloring materials	0.21	...	...	...	...	...	...	...	...	...	...	...	...
Medicinal and pharmaceutical products	2.26	81.9	81.2	78.9	79.2	80.5	80.6	81.5	83.6	83.2	81.7	83.2	86.4
Essential oils, polishing, and cleansing preps	0.33	89.8	89.8	87.7	93.2	90.5	91.6	92.1	94.6	93.4	93.2	96.0	95.2
Plastics in primary forms	0.59	...	...	...	...	...	...	...	...	...	...	...	...
Plastics in nonprimary forms	0.37	...	...	...	...	...	...	...	...	...	...	...	...
Chemical materials and products, n.e.s.	0.53	100.1	98.1	97.2	97.6	97.2	92.9	91.6	90.2	89.6	88.1	88.3	90.1
Manufactured Goods Classified Chiefly By Material	12.15	92.9	92.1	91.6	90.7	90.5	91.3	93.2	92.3	92.7	91.1	90.3	90.6
Rubber manufactures, n.e.s.	0.66	99.8	100.3	101.6	101.9	102.9	103.3	103.3	104.6	104.3	104.1	103.7	104.8
Cork and wood manufactures other than furniture	0.86	81.9	83.6	84.2	84.1	84.7	86.4	87.8	85.3	84.1	84.8	85.9	86.3
Paper and paperboard, cut to size	1.24	88.8	89.0	88.2	87.5	86.5	89.3	89.8	90.2	92.2	89.9	88.2	87.8
Textile yarn, fabrics, made-up articles, n.e.s., and related products	1.44	87.5	88.7	88.4	89.2	90.6	91.4	93.4	94.8	96.3	95.4	96.8	98.4
Nonmetallic mineral manufactures, n.e.s.	2.17	82.1	83.2	84.4	85.2	87.7	88.9	89.4	90.3	91.9	92.1	92.2	93.0
Iron and steel	1.84	103.4	104.2	104.3	102.1	100.4	98.2	97.1	98.4	98.1	97.8	96.9	97.2
Nonferrous metals	1.83	101.5	93.1	88.5	84.6	80.9	84.2	92.6	83.6	82.1	75.9	72.9	70.8
Manufactures of metals, n.e.s.	2.01	92.3	92.5	92.9	93.3	94.6	93.9	95.2	96.0	96.8	96.1	95.5	96.9
Machinery And Transport Equipment	41.18	100.8	100.1	99.9	100.9	101.6	100.8	101.8	104.2	105.4	103.7	103.8	105.4
Power generating machinery and equipment	2.90	...	...	...	...	...	...	...	...	...	...	...	...
Machinery specialized for particular industries	1.62	81.7	79.9	79.9	81.3	86.3	87.1	90.4	94.1	95.6	91.0	90.7	93.4
Metalworking machinery	0.45	83.9	81.9	84.5	84.6	86.9	87.8	89.2	92.1	92.8	89.6	89.6	92.1
General industrial machinery, equipment, and machine parts, n.e.s.	3.11	82.9	81.9	82.3	83.3	86.5	87.6	90.9	93.6	94.5	91.0	91.1	93.7
Computer equipment and office machines	5.59	205.2	204.7	201.1	202.2	200.8	198.5	196.8	199.2	197.3	193.4	191.2	191.7
Telecommunications and sound recording and reproducing apparatus and equipment	5.02	125.5	125.6	124.9	123.6	122.5	120.9	119.3	120.1	118.7	118.0	117.3	117.8
Electrical machinery and equipment	6.68	113.7	112.9	112.1	112.4	113.1	111.3	112.7	114.0	115.5	113.4	112.8	114.5
Road vehicles	14.29	82.7	82.1	82.0	83.6	83.2	82.0	82.9	85.4	87.1	86.3	86.8	88.1
Miscellaneous Manufactured Articles	16.88	90.9	90.8	91.3	92.3	94.5	94.7	96.2	97.5	97.7	96.3	96.5	98.0
Prefabricated buildings; plumbing, heat and lighting fixtures, n.e.s.	0.45	94.1	95.3	96.4	98.9	102.7	102.0	104.2	105.6	101.9	101.6	101.4	102.8
Furniture and parts thereof	1.87	91.3	91.1	93.3	93.2	95.1	96.0	97.2	99.1	99.6	98.0	98.4	99.0
Travel goods, handbags, and similar containers	0.38	85.5	86.7	88.4	88.9	89.7	89.8	88.8	90.6	90.7	91.1	91.0	91.8
Articles of apparel and clothing accessories	5.39	93.1	94.2	95.0	95.6	95.7	96.5	96.4	95.5	95.5	94.8	95.4	95.9
Footwear	1.30	89.2	89.7	90.3	91.8	95.2	96.5	98.2	100.0	100.2	98.4	98.1	98.8
Professional, scientific and controlling instruments, and apparatus, n.e.s.	1.77	86.4	83.6	83.4	84.0	87.7	89.1	92.0	96.9	98.0	93.4	93.0	95.6
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	0.96	92.8	91.2	90.0	91.7	93.7	94.0	97.0	98.8	99.1	96.0	96.3	98.6
Miscellaneous manufactured articles, n.e.s.	4.75	90.5	90.2	90.6	91.9	95.6	94.3	96.6	98.6	98.5	98.0	98.3	100.8

n.e.s. = not elsewhere specified.

¹Percent of total, relative importance in December 1999, based on 1995 trade values.
... = Not available.

Table 7-12. U.S. Import Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	1992				1993				1994			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	93.9	94.8	95.9	94.4	94.7	95.0	94.5	93.5	94.0	96.3	97.2	98.4
Food And Live Animals	97.4	91.4	92.1	93.2	91.2	94.4	95.6	95.3	96.3	101.8	110.9	110.8
Meat and meat preparations	114.8	112.3	111.5	109.5	113.4	117.6	115.9	111.3	114.3	107.8	108.8	108.5
Fish, crustaceans, aquatic invertebrates, and preparations thereof	79.1	79.1	80.3	78.3	78.9	79.1	79.9	83.6	85.5	88.9	90.6	93.8
Vegetables, fruit and nuts, fresh or dried	107.7	89.9	89.6	91.7	85.4	96.6	93.6	89.3	88.0	90.1	88.0	99.0
Coffee, tea, cocoa, spices, and manufactures thereof	90.0	82.0	81.6	96.1	89.8	86.1	104.2	107.8	109.3	145.4	214.4	182.7
Beverages And Tobacco	87.1	87.5	88.3	87.2	86.8	86.8	86.2	86.9	86.6	87.3	87.5	87.5
Beverages	89.0	89.4	90.5	89.1	89.1	89.6	89.0	89.3	89.2	89.6	90.1	90.2
Crude Materials, Inedible, Except Fuels	84.6	85.0	86.3	85.9	92.2	84.5	85.9	90.7	93.4	94.7	96.2	101.6
Cork and wood	75.3	76.1	77.1	79.1	105.9	84.9	92.4	110.9	108.7	104.1	101.3	97.4
Woodpulp and recovered paper	81.2	84.4	88.2	83.9	74.3	72.2	68.5	66.2	69.8	79.5	90.8	102.9
Metalliferous ores and metal scrap	86.0	84.3	85.4	83.7	82.8	81.7	80.6	77.0	83.5	82.9	85.4	90.0
Mineral Fuels, Lubricants, And Related Materials	56.8	64.9	65.3	60.0	61.5	59.8	55.0	47.7	48.2	57.1	55.0	56.4
Petroleum, petroleum products, and related materials	57.4	66.0	66.2	60.2	62.1	60.3	55.0	47.0	47.7	57.6	55.2	56.7
Gas, natural and manufactured	49.7	51.4	55.4	58.1	54.9	55.4	56.3	57.7	55.6	51.4	53.6	54.2
Chemicals And Related Products, n.e.s.	96.2	96.8	97.5	97.1	97.1	97.8	97.1	96.4	96.3	97.6	100.5	103.5
Organic chemicals	97.0	96.8	96.5	94.4	94.0	94.6	94.3	92.8	92.6	95.2	100.0	104.5
Inorganic chemicals	95.5	94.1	93.7	99.0	99.1	97.9	97.7	97.5	96.9	97.9	99.9	104.6
Dyeing, tanning, and coloring materials .....	...	...	...	...	104.8	106.7	105.6	105.5	106.7	107.2	108.2	108.7
Medicinal and pharmaceutical products	87.3	87.6	90.1	89.8	91.0	95.9	94.4	95.1	95.8	95.9	97.6	98.3
Essential oils, polishing, and cleansing preps	97.5	98.6	98.8	98.8	100.9	102.2	100.2	101.4	99.6	99.9	101.9	104.6
Plastics in primary forms .....	...	...	...	96.8	97.7	95.8	96.5	96.5	97.6	97.9	98.4	99.6
Plastics in nonprimary forms .....	...	...	...	109.9	109.0	109.3	108.5	107.1	104.7	108.0	112.9	117.7
Chemical materials and products, n.e.s.	94.0	97.1	101.0	100.1	98.7	98.0	96.1	94.5	95.4	94.5	97.8	96.4
Manufactured Goods Classified Chiefly By Material	91.0	91.3	92.0	90.4	90.8	91.2	90.7	89.8	91.2	92.8	94.6	97.7
Rubber manufactures, n.e.s.	105.7	105.6	107.0	106.8	107.6	107.5	106.8	106.9	105.2	106.0	105.0	105.9
Cork and wood manufactures other than furniture	90.0	93.0	95.1	92.4	100.5	103.8	104.8	103.9	106.1	108.8	101.7	99.4
Paper and paperboard, cut to size	85.1	83.7	84.3	84.3	85.6	86.0	84.9	83.8	83.6	85.1	88.4	93.6
Textile yarn, fabrics, made-up articles, n.e.s., and related products	98.9	98.1	100.9	99.3	99.4	100.0	98.9	98.2	98.8	100.8	101.8	102.0
Nonmetallic mineral manufactures, n.e.s.	93.3	94.0	94.9	94.6	95.1	96.2	96.0	96.2	96.1	96.7	97.8	98.4
Iron and steel	96.6	96.1	94.8	94.8	95.1	96.7	96.6	96.4	97.3	97.6	99.7	101.6
Nonferrous metals	73.7	75.6	75.6	70.0	68.3	65.4	64.8	61.7	68.5	72.7	77.6	88.0
Manufactures of metals, n.e.s.	97.6	97.8	99.6	97.9	98.1	99.2	99.0	98.7	98.6	99.3	100.7	101.0
Machinery And Transport Equipment	105.6	105.6	106.9	106.1	106.1	107.2	107.7	108.4	108.6	109.1	109.7	110.3
Power generating machinery and equipment .....	...	...	...	...	...	...	...	...	...	...	...	...
Machinery specialized for particular industries	94.2	94.3	99.0	95.4	94.9	96.2	95.8	96.0	96.9	98.1	99.8	100.6
Metalworking machinery	92.3	92.5	94.8	93.7	93.5	95.9	96.4	96.9	97.1	98.0	100.3	101.4
General industrial machinery, equipment, and machine parts, n.e.s.	94.0	94.0	96.8	95.0	94.4	95.9	95.9	96.7	97.2	97.7	98.9	100.0
Computer equipment and office machines	192.2	190.2	190.9	189.0	186.2	182.8	180.1	178.0	175.5	173.2	171.1	168.5
Telecommunications and sound recording and reproducing apparatus and equipment	117.4	117.3	117.3	117.6	117.3	118.3	119.5	118.5	117.5	117.6	117.7	118.0
Electrical machinery and equipment	114.3	115.1	116.3	114.6	115.2	117.2	119.4	118.9	119.1	119.6	120.2	120.1
Road vehicles	88.2	88.0	88.6	88.8	89.1	90.4	90.9	92.9	93.3	94.0	94.7	96.0
Miscellaneous Manufactured Articles	99.1	99.3	101.0	99.9	99.7	100.7	100.7	100.5	100.6	100.9	101.3	101.5
Prefabricated buildings; plumbing, heat and lighting fixtures, n.e.s.	103.8	105.2	106.8	105.5	104.4	105.7	105.9	105.6	104.9	103.2	104.4	103.3
Furniture and parts thereof	99.8	100.1	102.6	100.7	100.2	100.8	100.2	99.7	100.2	100.6	100.9	101.2
Travel goods, handbags, and similar containers	92.9	96.2	96.6	94.5	94.8	95.5	95.8	94.9	94.8	94.5	95.7	96.0
Articles of apparel and clothing accessories	96.9	97.7	97.5	97.9	97.5	98.1	98.2	97.8	97.7	98.1	97.9	98.2
Footwear	99.4	100.0	101.5	98.7	98.0	98.7	97.8	97.6	97.1	97.7	98.4	98.5
Professional, scientific and controlling instruments, and apparatus, n.e.s.	95.7	95.4	101.2	98.4	98.9	101.0	100.2	100.9	102.0	103.3	104.2	105.1
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	99.3	98.6	102.1	100.5	100.5	102.5	103.5	104.2	104.0	104.6	106.2	106.0
Miscellaneous manufactured articles, n.e.s.	102.6	102.0	104.1	103.1	103.1	104.2	104.4	104.3	104.4	104.4	104.7	104.8

n.e.s. = not elsewhere specified.

... = Not available.

Table 7-12. U.S. Import Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	1995				1996				1997			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	99.9	101.4	100.8	101.0	101.6	100.7	101.8	102.5	100.0	98.8	98.4	97.2
Food And Live Animals	112.6	108.6	106.7	104.7	103.2	102.7	104.8	102.6	110.4	112.5	109.8	108.0
Meat and meat preparations	104.9	100.8	97.3	99.6	93.7	92.0	102.6	100.7	105.3	103.6	105.7	106.0
Fish, crustaceans, aquatic invertebrates, and preparations thereof	93.6	92.5	89.2	86.5	86.8	88.8	88.3	89.4	90.7	94.3	95.2	96.1
Vegetables, fruit and nuts, fresh or dried	100.5	97.6	101.0	106.4	102.4	98.8	107.1	102.4	111.8	102.2	104.0	103.1
Coffee, tea, cocoa, spices, and manufactures thereof	194.8	176.3	165.7	141.9	144.3	143.7	135.8	129.0	169.7	203.7	172.1	158.5
Beverages And Tobacco	88.2	88.6	89.4	90.6	91.2	92.1	93.2	93.4	95.0	95.5	95.8	96.5
Beverages	91.0	91.2	91.7	92.0	92.1	92.5	93.5	93.9	94.3	94.9	95.2	96.1
Crude Materials, Inedible, Except Fuels	107.6	109.5	113.6	111.0	105.8	103.4	106.4	105.6	108.5	106.8	106.0	102.6
Cork and wood	93.4	85.3	94.7	88.5	91.3	104.5	115.9	110.9	116.2	112.7	111.5	104.1
Woodpulp and recovered paper	118.8	131.6	134.8	138.4	100.2	79.2	84.9	84.4	82.7	83.9	86.9	87.6
Metalliferous ores and metal scrap	98.6	98.4	101.5	100.2	100.3	100.1	95.9	96.0	101.4	104.1	102.9	100.7
Crude animal and vegetable materials, n.e.s. ....	...	...	...	...	...	...	...	94.2	99.1	91.7	97.1	100.8
Mineral Fuels, Lubricants, And Related Materials	59.2	61.9	57.6	59.2	66.3	65.1	72.6	79.8	67.1	61.6	63.0	60.8
Petroleum, petroleum products, and related materials	60.1	63.0	58.5	60.2	67.4	66.3	74.3	80.0	67.6	62.2	63.0	59.8
Gas, natural and manufactured	48.8	49.3	47.1	49.1	54.7	52.7	56.3	76.7	61.3	55.1	60.2	65.0
Chemicals And Related Products, n.e.s.	105.4	106.8	106.6	106.4	106.5	104.9	105.1	105.1	103.7	102.3	102.1	101.1
Organic chemicals	102.5	100.6	101.0	100.3	100.7	99.9	100.4	100.9	101.3	97.3	98.5	96.7
Inorganic chemicals	110.0	111.1	110.9	110.2	111.5	109.2	109.9	113.3	111.0	108.4	109.0	106.4
Dyeing, tanning, and coloring materials	112.3	114.7	114.7	115.9	117.6	116.4	116.9	114.4	110.5	111.5	107.1	110.5
Medicinal and pharmaceutical products	99.2	104.4	104.1	105.6	103.9	102.7	104.4	102.0	98.9	99.3	98.7	99.8
Essential oils, polishing, and cleansing preps	107.7	113.8	114.7	115.5	116.8	112.8	112.8	112.6	110.5	109.2	109.1	109.7
Plastics in primary forms	103.4	106.1	105.1	107.9	108.2	102.6	98.8	100.3	96.7	96.7	97.8	97.1
Plastics in nonprimary forms	126.9	129.6	124.5	117.4	110.8	108.6	108.1	108.2	107.4	110.6	108.5	103.3
Chemical materials and products, n.e.s.	96.5	98.7	101.6	104.2	107.4	107.1	107.5	105.3	104.1	103.0	102.7	102.6
Manufactured Goods Classified Chiefly By Material	100.2	102.7	105.0	104.3	103.3	102.0	99.8	98.2	98.7	99.5	99.6	98.7
Rubber manufactures, n.e.s.	106.4	108.7	110.0	110.4	108.7	108.8	108.2	107.0	105.7	106.0	103.2	103.7
Cork and wood manufactures other than furniture	101.4	102.7	100.1	100.9	101.4	104.4	103.7	101.7	102.2	102.0	102.4	102.1
Paper and paperboard, cut to size	101.8	111.3	120.5	121.6	118.9	112.7	104.0	96.3	95.0	97.7	99.2	98.9
Textile yarn, fabrics, made-up articles, n.e.s., and related products	103.2	106.3	106.4	106.1	105.9	105.4	105.5	105.8	105.8	105.8	105.2	104.5
Nonmetallic mineral manufactures, n.e.s.	98.7	99.2	99.6	99.9	100.9	100.8	101.6	102.3	102.5	101.9	101.4	101.0
Iron and steel	104.0	106.9	110.7	108.1	105.7	104.8	104.8	104.1	103.2	103.3	103.3	103.3
Nonferrous metals	90.3	88.5	90.5	87.2	85.4	84.2	77.8	76.0	81.8	85.4	87.1	82.7
Manufactures of metals, n.e.s.	102.9	105.1	105.2	105.9	106.0	105.0	105.8	105.7	104.0	103.6	102.6	103.1
Machinery And Transport Equipment	110.8	112.4	112.1	112.0	111.2	110.1	110.2	109.6	107.8	106.9	105.9	105.0
Power generating machinery and equipment .....	...	...	...	...	...	...	...	100.2	99.7	99.4	99.0	99.2
Machinery specialized for particular industries	102.0	104.7	103.8	105.6	106.3	104.7	104.9	105.1	103.2	102.8	102.0	102.6
Metalworking machinery	103.1	108.9	108.3	108.9	108.3	108.1	108.4	108.0	104.4	104.9	103.8	105.3
General industrial machinery, equipment, and machine parts, n.e.s.	101.3	104.5	104.7	105.5	104.9	104.4	105.2	104.6	102.2	102.1	101.0	101.0
Computer equipment and office machines	167.0	167.2	165.9	163.4	158.5	152.8	149.7	146.9	140.6	135.3	130.2	128.0
Telecommunications and sound recording and reproducing apparatus and equipment	117.8	119.1	119.0	118.0	116.5	115.3	114.3	113.5	111.9	110.6	109.8	108.7
Electrical machinery and equipment	120.5	122.9	120.7	119.7	118.0	115.6	114.8	112.1	109.9	109.1	107.9	104.7
Road vehicles	96.6	97.3	97.9	98.2	97.9	97.8	98.3	98.1	98.1	98.1	98.6	98.8
Miscellaneous Manufactured Articles	102.2	103.2	103.1	103.7	103.7	103.5	103.5	103.2	102.9	103.0	102.7	102.5
Prefabricated buildings; plumbing, heat and lighting fixtures, n.e.s.	107.2	107.4	108.3	109.7	108.6	106.5	108.7	106.2	102.7	103.0	101.9	103.1
Furniture and parts thereof	101.7	103.1	102.9	103.5	103.2	103.3	103.3	104.3	104.9	105.4	104.9	105.6
Travel goods, handbags and similar containers	96.4	98.5	100.5	99.3	99.6	99.6	99.6	99.2	99.9	99.7	99.5	98.9
Articles of apparel and clothing accessories	98.8	99.0	99.0	99.5	99.9	100.4	100.1	99.9	100.6	101.5	101.7	101.7
Footwear	98.5	99.3	99.6	100.1	100.7	100.6	100.3	100.2	100.3	100.3	100.0	100.5
Professional, scientific and controlling instruments, and apparatus, n.e.s.	105.1	107.2	107.5	107.1	107.4	105.9	107.0	106.5	103.9	103.6	103.4	102.8
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	106.4	110.6	109.9	109.9	108.4	106.3	106.7	105.7	104.0	103.0	102.1	101.6
Miscellaneous manufactured articles, n.e.s.	106.1	106.5	106.1	107.2	107.1	107.2	107.2	106.5	105.9	105.6	104.7	104.2

n.e.s. = not elsewhere specified.

Table 7-12. U.S. Import Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	1998				1999				2000			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	94.1	93.1	92.2	91.0	91.5	92.9	95.8	97.4	99.9	100.2	101.6	100.5
Food And Live Animals	106.1	106.3	103.5	103.2	101.1	101.2	99.3	102.7	101.0	99.0	99.0	100.2
Meat and meat preparations	103.0	100.0	98.9	93.4	95.7	96.1	101.2	100.1	100.9	100.8	100.7	99.1
Fish, crustaceans, aquatic invertebrates, and preparations thereof	97.4	99.6	94.4	91.2	94.0	94.9	93.9	97.2	98.3	99.3	102.5	99.3
Vegetables, fruit and nuts, fresh or dried	96.2	104.0	107.3	111.2	102.3	103.7	102.2	104.2	101.8	96.2	98.4	105.1
Coffee, tea, cocoa, spices and manufactures thereof	161.8	141.3	133.1	129.2	122.1	119.4	105.7	121.4	105.0	102.3	93.9	87.4
Beverages And Tobacco	97.0	97.4	97.5	97.6	98.1	98.1	99.7	99.5	99.2	100.4	100.9	100.5
Beverages	96.6	97.0	97.1	97.3	97.6	97.9	99.6	99.3	99.1	100.5	101.0	100.9
Crude Materials, Inedible, Except Fuels	99.9	96.2	94.0	92.2	94.7	99.1	100.5	101.1	103.5	99.4	97.5	97.0
Cork and wood	101.8	93.1	98.7	98.4	104.2	112.5	112.0	109.3	109.2	101.3	91.8	93.6
Woodpulp and recovered paper	81.8	84.2	77.5	73.7	73.5	77.3	84.1	86.9	92.3	102.0	104.5	106.3
Metalliferous ores and metal scrap	98.8	97.0	91.5	91.3	88.5	90.4	92.8	97.4	102.3	99.1	100.0	97.3
Crude animal and vegetable materials, n.e.s.	103.7	106.6	99.2	93.6	103.1	95.8	104.7	105.5	105.5	87.4	97.0	91.5
Mineral Fuels, Lubricants, And Related Materials	47.3	45.7	45.6	38.0	43.1	54.6	74.5	83.2	97.4	101.3	111.3	106.1
Petroleum, petroleum products, and related materials	45.5	43.9	44.2	35.1	41.9	54.6	75.1	84.5	99.5	102.2	112.1	97.9
Gas, natural and manufactured	55.9	54.5	51.8	53.9	47.5	51.8	69.2	73.1	83.1	95.2	106.2	161.6
Chemicals And Related Products, n.e.s.	99.2	99.3	97.4	96.7	96.4	96.2	96.9	97.6	98.5	99.8	101.2	100.7
Organic chemicals	93.5	93.6	92.7	91.1	91.7	91.6	93.2	94.3	95.9	100.4	102.5	102.1
Inorganic chemicals	103.7	107.0	102.8	99.5	97.0	94.9	94.8	96.3	97.2	100.1	101.2	103.0
Dyeing, tanning, and coloring materials	108.1	108.1	108.1	110.0	107.4	104.7	102.8	102.3	100.7	98.1	100.1	99.1
Medicinal and pharmaceutical products	98.8	98.3	97.5	98.7	99.7	99.1	100.0	100.3	100.3	99.8	99.7	98.6
Essential oils, polishing, and cleansing preps	106.2	106.7	105.6	107.1	105.3	104.1	103.9	101.6	101.0	100.8	100.0	96.2
Plastics in primary forms	99.6	99.2	96.8	96.4	97.1	98.8	99.1	99.2	99.2	99.6	100.6	101.2
Plastics in nonprimary forms	101.7	98.7	92.4	92.0	91.3	94.4	97.2	99.5	100.3	100.8	100.8	98.0
Chemical materials and products, n.e.s.	101.2	100.9	100.1	99.0	97.4	97.0	97.6	99.1	100.2	99.2	100.7	100.1
Manufactured Goods Classified Chiefly By Material	97.3	96.7	95.4	94.3	94.5	94.6	95.2	96.6	100.8	100.4	100.6	100.0
Rubber manufactures, n.e.s.	102.8	103.1	102.4	102.5	102.6	102.4	103.1	102.5	100.2	99.7	99.6	99.7
Cork and wood manufactures other than furniture	95.7	95.6	98.6	98.0	103.5	107.7	106.8	102.8	106.3	99.2	95.8	94.1
Paper and paperboard, cut to size	98.2	97.8	97.2	96.2	95.8	93.6	93.5	96.3	97.3	99.6	102.1	103.0
Textile yarn, fabrics, made-up articles, n.e.s., and related products	103.1	102.3	101.8	101.4	100.6	99.7	99.9	99.8	100.7	99.7	99.8	99.5
Nonmetallic mineral manufactures, n.e.s.	100.0	99.9	99.4	100.0	100.6	100.2	100.4	100.5	100.1	99.8	100.1	99.5
Iron and steel	101.9	99.7	96.7	93.5	91.2	92.0	92.5	95.5	100.4	103.9	100.7	97.9
Nonferrous metals	81.9	81.6	77.5	74.5	77.1	78.8	81.8	85.9	103.4	99.4	102.7	102.7
Manufactures of metals, n.e.s.	101.8	101.0	101.0	101.1	100.3	100.6	100.2	100.3	100.6	100.1	99.8	99.4
Machinery And Transport Equipment	103.8	102.6	101.6	102.0	101.6	100.9	100.5	100.3	100.2	100.1	99.8	99.4
Power generating machinery and equipment	100.1	98.1	97.4	98.1	98.8	98.5	98.6	99.3	99.5	100.4	99.9	100.1
Machinery specialized for particular industries	101.6	101.1	100.2	102.0	101.8	101.1	101.1	101.3	100.7	99.5	99.3	98.7
Metalworking machinery	104.1	103.4	103.0	104.2	102.6	100.9	100.6	101.5	100.2	98.8	100.3	99.8
General industrial machinery, equipment, and machine parts, n.e.s.	100.3	100.3	100.3	102.1	102.1	101.3	101.1	100.7	100.7	99.9	99.7	99.0
Computer equipment and office machines	121.5	117.2	114.5	111.1	107.3	105.1	102.7	102.7	101.6	99.9	99.5	97.8
Telecommunications and sound recording and reproducing apparatus and equipment	107.5	105.9	105.3	104.6	104.8	103.8	103.2	101.4	100.6	100.2	99.6	99.0
Electrical machinery and equipment	103.4	102.2	100.6	101.8	101.3	100.1	99.8	99.3	99.4	100.7	99.9	99.4
Road vehicles	98.8	98.4	98.1	98.8	99.2	99.6	99.5	99.6	99.9	100.1	99.9	100.1
Miscellaneous Manufactured Articles	102.0	101.4	101.0	101.0	101.1	100.5	100.7	100.7	100.3	99.7	99.7	99.7
Prefabricated buildings; plumbing, heat and lighting fixtures, n.e.s.	103.5	102.7	102.2	100.9	99.9	99.5	97.6	99.4	100.9	99.2	99.5	99.2
Furniture and parts thereof	105.4	102.6	102.6	102.8	102.6	101.1	100.8	100.1	100.5	99.6	100.3	99.7
Travel goods, handbags, and similar containers	98.0	99.6	98.7	99.5	99.2	100.3	100.9	100.1	100.5	99.8	99.9	99.8
Articles of apparel and clothing accessories	101.5	101.5	101.7	100.9	101.1	100.6	101.1	100.8	100.4	99.6	99.7	99.9
Footwear	100.0	100.0	100.2	100.1	100.4	100.0	100.1	100.1	100.0	99.6	100.2	99.8
Professional, scientific and controlling instruments, and apparatus, n.e.s.	101.4	101.3	100.8	101.4	101.0	100.4	100.8	101.3	100.1	99.8	99.8	99.2
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	100.1	99.3	98.3	99.4	100.1	99.6	99.7	100.9	100.1	99.9	99.7	98.9
Miscellaneous manufactured articles, n.e.s.	103.5	102.2	101.1	101.4	101.5	100.9	100.9	100.8	100.3	99.8	99.5	99.7

n.e.s. = not elsewhere specified.

... = Not available.

Table 7-12. U.S. Import Price Indexes for Selected Categories of Goods, by Standard International Trade Classification, 1989–2003—Continued

(2000 = 100.)

Categories	2001				2002				2003			
	March	June	September	December	March	June	September	December	March	June	September	December
ALL COMMODITIES	98.3	97.6	95.9	91.4	92.8	94.1	95.5	95.2	99.1	96.2	96.2	97.5
Food And Live Animals	100.9	96.0	95.1	94.8	96.4	94.5	98.8	98.8	101.2	99.4	100.0	101.0
Meat and meat preparations	102.2	106.2	113.5	109.8	109.8	104.0	103.4	106.8	108.5	102.9	112.8	120.4
Fish, crustaceans, aquatic invertebrates, and preparations thereof	93.0	90.0	86.3	82.9	80.4	79.8	84.9	82.5	81.4	81.3	82.2	79.2
Vegetables, fruit and nuts, fresh or dried	110.1	97.6	98.5	99.3	104.0	102.2	106.7	105.6	110.7	108.9	105.0	109.4
Coffee, tea, cocoa, spices and manufactures thereof	88.7	85.8	80.1	78.5	83.3	84.6	93.5	99.9	100.2	94.8	98.6	96.0
Beverages And Tobacco	100.4	101.7	102.0	103.0	102.1	103.0	102.6	102.7	104.0	103.9	104.0	104.4
Beverages	100.8	102.4	102.4	103.1	102.5	102.8	102.2	102.4	103.0	103.7	103.9	104.3
Crude Materials, Inedible, Except Fuels	94.5	102.8	96.6	89.9	95.8	96.4	96.4	94.5	98.5	99.5	106.1	107.9
Cork and wood	89.8	122.1	112.2	91.7	106.6	103.1	98.3	94.0	95.0	94.4	113.0	108.0
Woodpulp and recovered paper	102.5	87.1	77.3	77.7	74.9	77.1	82.3	78.9	86.5	95.3	90.4	92.8
Metalliferous ores and metal scrap	96.6	93.9	92.8	91.2	93.7	95.9	93.3	94.7	99.9	99.7	103.7	115.3
Crude animal and vegetable materials, n.e.s.	92.0	92.9	83.8	96.0	92.3	92.8	104.0	101.4	102.6	104.9	95.7	99.6
Mineral Fuels, Lubricants, And Related Materials	90.8	90.4	85.8	61.2	76.4	86.1	96.3	94.9	126.0	101.7	101.5	108.2
Petroleum, petroleum products, and related materials	86.5	89.3	86.8	59.8	77.4	85.9	97.8	94.2	118.1	97.6	99.4	106.9
Gas, natural and manufactured	119.1	97.4	77.8	68.6	64.8	83.6	81.1	97.0	185.9	130.1	114.4	113.9
Chemicals And Related Products, n.e.s.	102.4	100.5	98.3	97.4	96.3	97.0	98.7	98.2	101.1	100.1	99.2	101.1
Organic chemicals	101.5	102.1	99.3	96.1	96.6	97.2	99.7	98.5	99.4	97.0	97.0	97.5
Inorganic chemicals	107.2	100.1	98.1	97.6	97.8	98.6	100.1	102.5	110.8	106.4	105.4	114.0
Dyeing, tanning, and coloring materials	101.4	98.1	96.3	97.1	97.2	96.2	96.6	96.7	97.6	98.0	97.7	99.6
Medicinal and pharmaceutical products	97.5	96.7	97.0	97.0	96.0	98.0	99.6	99.2	101.3	102.5	101.9	103.4
Essential oils, polishing, and cleansing preps	99.7	98.4	99.7	100.1	99.8	99.9	98.4	99.2	98.4	99.4	91.6	91.6
Plastics in primary forms	101.1	102.1	99.7	99.8	91.5	91.8	97.9	94.8	99.3	106.1	102.7	105.5
Plastics in nonprimary forms	105.3	102.4	99.3	100.9	100.6	100.3	99.4	99.6	100.4	100.8	101.4	101.8
Chemical materials and products, n.e.s.	101.4	99.9	99.0	98.0	93.6	93.6	92.4	91.6	97.6	92.3	91.8	93.3
Manufactured Goods Classified Chiefly By Material	100.0	98.0	94.8	92.0	92.2	92.8	93.5	93.7	94.1	94.4	95.7	97.8
Rubber manufactures, n.e.s.	99.7	99.0	98.7	97.9	97.6	98.2	99.3	99.3	99.0	99.2	98.5	98.8
Cork and wood manufactures other than furniture	92.0	96.2	90.4	88.3	96.2	93.2	93.9	89.8	94.4	95.8	113.7	112.0
Paper and paperboard, cut to size	103.6	102.7	99.3	96.2	93.4	91.7	93.7	93.0	93.0	93.5	94.5	93.7
Textile yarn, fabrics, made-up articles, n.e.s., and related products	99.1	98.8	98.1	97.1	97.3	96.9	97.0	97.8	100.3	100.8	100.6	101.8
Nonmetallic mineral manufactures, n.e.s.	99.9	99.4	99.3	97.4	96.9	96.9	97.5	97.7	97.6	97.9	97.8	98.1
Iron and steel	95.5	93.5	94.0	92.5	90.9	94.6	99.9	101.9	99.0	101.2	99.9	105.1
Nonferrous metals	104.6	95.3	82.2	73.8	76.9	79.7	76.4	77.3	80.0	78.1	80.7	87.7
Manufactures of metals, n.e.s.	99.3	100.1	99.3	99.0	98.5	98.3	98.6	98.3	97.9	98.3	98.5	99.5
Machinery And Transport Equipment	99.2	98.5	98.0	97.7	97.1	97.1	96.7	96.1	95.8	95.8	95.5	95.3
Power generating machinery and equipment	99.2	98.8	98.6	98.5	98.0	98.2	99.4	98.7	99.1	99.9	99.7	100.4
Machinery specialized for particular industries	99.7	99.1	99.1	98.7	98.5	99.0	98.3	99.2	100.7	101.4	102.2	103.6
Metalworking machinery	100.6	99.4	100.1	99.7	98.4	100.8	102.4	101.4	104.0	105.2	103.6	105.0
General industrial machinery, equipment, and machine parts, n.e.s.	99.3	98.2	98.0	97.8	97.5	97.8	98.4	98.6	99.8	100.8	100.2	101.2
Computer equipment and office machines	95.7	93.6	90.0	88.8	88.1	87.8	86.4	84.2	82.7	81.8	80.5	78.2
Telecommunications and sound recording and reproducing apparatus and equipment	98.1	97.2	96.8	96.3	94.8	94.4	92.8	92.0	90.0	89.3	88.6	86.7
Electrical machinery and equipment	99.9	98.8	98.6	97.8	96.8	97.1	96.5	95.6	95.3	95.4	96.0	95.3
Road vehicles	100.1	99.8	100.0	100.3	100.1	100.2	100.3	100.5	100.6	100.7	100.6	101.6
Miscellaneous Manufactured Articles	100.2	99.8	99.6	99.1	98.8	98.6	98.7	99.0	99.5	99.7	99.6	99.9
Prefabricated buildings; plumbing, heat and lighting fixtures, n.e.s.	98.8	99.2	98.3	98.4	98.9	98.5	96.5	95.6	95.8	94.8	95.1	93.2
Furniture and parts thereof	99.8	98.5	98.9	98.9	99.1	98.8	98.8	99.4	99.5	100.2	100.4	100.1
Travel goods, handbags, and similar containers	100.1	99.0	99.3	98.7	99.3	99.0	100.5	99.6	101.5	101.6	102.9	103.8
Articles of apparel and clothing accessories	101.1	100.6	100.1	100.2	100.1	99.7	99.5	100.5	100.8	100.6	100.5	100.7
Footwear	100.8	100.1	100.4	100.3	99.5	99.2	99.4	99.6	99.8	100.0	99.9	100.1
Professional, scientific and controlling instruments, and apparatus, n.e.s.	99.1	98.7	98.5	98.5	97.9	97.8	98.2	98.2	98.5	99.5	99.3	100.0
Photographic apparatus, equipment and supplies, and optical goods, n.e.s.	99.7	98.5	98.2	98.4	97.2	97.8	98.4	98.5	99.4	100.0	99.2	99.9
Miscellaneous manufactured articles, n.e.s.	99.7	99.7	99.6	97.8	97.3	97.1	97.6	97.5	98.1	98.3	98.3	98.8

n.e.s. = not elsewhere specified.

. . . = Not available.

Table 7-13. U.S. Import Price Indexes for Selected Categories of Goods, by Locality of Origin, 1993–2003

(2000 = 100.)

Category and year	Percent of U.S. imports 2000	Months			
		March	June	September	December
INDUSTRIALIZED COUNTRIES	49.3				
1993		90.5	91.4	91.5	91.7
1994		92.3	93.4	94.8	96.1
1995		97.4	99.8	100.0	100.0
1996		99.7	98.8	99.3	99.4
1997		97.4	96.5	96.4	96.1
1998		94.6	94.0	93.3	93.8
1999		94.1	94.8	96.4	97.5
2000		99.5	100.1	100.9	101.4
2001		100.2	99.0	96.5	93.7
2002		94.3	95.7	96.9	96.7
2003		100.0	98.4	98.6	100.0
Manufactured Goods	45.4				
1993		92.8	93.8	94.1	94.6
1994		95.1	95.9	97.4	98.8
1995		100.0	102.6	102.9	102.9
1996		102.1	101.1	101.4	100.7
1997		99.5	98.9	98.8	98.6
1998		97.8	97.5	96.7	97.3
1999		97.6	97.7	98.1	98.9
2000		100.2	99.9	100.2	99.8
2001		99.9	99.2	97.6	96.0
2002		95.6	96.3	96.9	96.7
2003		97.8	97.7	98.2	99.4
Nonmanufactured Goods	3.6				
1993		64.5	63.8	61.8	58.7
1994		58.2	64.3	64.3	64.1
1995		66.3	67.6	65.2	66.0
1996		71.6	72.3	76.0	84.3
1997		73.3	68.9	69.4	68.5
1998		59.3	56.8	57.2	55.7
1999		56.9	65.1	78.7	83.2
2000		92.7	102.2	107.5	118.2
2001		103.9	97.2	85.2	69.9
2002		82.9	93.8	102.4	102.7
2003		134.3	113.7	108.9	112.4
OTHER COUNTRIES	50.7				
1993		94.2	93.5	92.3	89.6
1994		90.1	94.2	95.0	95.7
1995		97.5	98.7	97.4	97.6
1996		99.8	99.0	101.3	102.7
1997		100.6	99.4	98.7	96.6
1998		92.4	90.7	89.5	86.8
1999		87.7	90.3	94.5	96.9
2000		99.8	100.4	102.5	99.5
2001		97.0	96.6	95.0	88.6
2002		90.9	92.2	94.3	93.4
2003		96.7	93.1	93.3	94.1
Manufactured Goods	43.5				
1993		104.6	104.5	104.2	103.7
1994		104.2	105.1	105.8	106.5
1995		107.3	108.8	108.6	108.4
1996		108.9	108.4	107.9	108.6
1997		108.4	107.8	107.0	105.3
1998		103.5	102.2	100.6	99.6
1999		98.8	98.9	99.0	99.3
2000		99.8	99.7	100.3	100.2
2001		99.6	98.8	97.9	96.0
2002		95.6	95.9	96.2	95.8
2003		96.5	95.1	95.1	94.5
Nonmanufactured Goods	7.2				
1993		64.9	62.8	59.1	51.9
1994		52.0	63.8	64.8	65.5
1995		69.5	70.3	66.1	67.3
1996		73.7	72.1	80.9	84.5
1997		75.8	72.6	72.2	68.8
1998		57.1	54.9	54.5	46.8
1999		53.0	63.6	80.3	89.2
2000		99.9	102.4	109.2	97.4
2001		88.9	89.7	86.1	65.3
2002		81.3	88.2	99.6	96.4
2003		113.3	98.0	98.8	106.5

Table 7-13. U.S. Import Price Indexes for Selected Categories of Goods, by Locality of Origin, 1993–2003—Continued

(2000 = 100.)

Category and year	Percent of U.S. imports 2000	Months			
		March	June	September	December
CANADA	17.5				
1993		86.5	85.9	85.2	85.1
1994		85.5	87.2	88.1	90.2
1995		92.1	93.8	94.8	94.7
1996		94.3	93.5	93.8	95.1
1997		93.2	92.6	93.2	92.0
1998		90.1	89.7	89.3	88.7
1999		88.8	90.6	93.5	94.7
2000		97.2	99.8	102.4	105.6
2001		102.6	101.8	97.0	93.2
2002		96.1	97.8	99.6	99.2
2003		106.6	103.1	103.9	104.4
Manufactured Goods	14.7				
1993		91.6	90.8	90.4	90.9
1994		91.4	92.3	93.6	95.9
1995		98.0	99.4	100.7	100.5
1996		99.0	98.0	97.7	97.4
1997		98.0	98.0	98.3	97.3
1998		96.7	96.6	96.3	95.5
1999		95.5	96.1	96.9	97.7
2000		98.8	98.9	101.3	101.8
2001		101.6	102.8	99.9	98.1
2002		99.1	98.7	99.5	98.9
2003		100.9	101.1	103.2	103.3
Nonmanufactured Goods	2.6				
1993		60.6	60.3	58.1	55.3
1994		54.7	61.1	60.1	60.3
1995		61.7	64.4	63.9	64.8
1996		70.3	70.7	74.4	84.3
1997		69.9	66.6	68.1	66.4
1998		58.4	56.6	56.5	56.3
1999		56.5	64.2	76.8	79.9
2000		89.3	103.6	107.6	124.4
2001		108.1	97.9	83.1	69.8
2002		83.8	96.8	104.1	104.9
2003		143.1	119.0	111.5	114.0
EUROPEAN UNION	18.7				
1993		92.2	92.9	92.0	91.8
1994		91.9	93.1	94.9	96.2
1995		97.7	99.5	99.7	100.4
1996		101.3	101.0	101.7	101.9
1997		100.5	100.0	99.1	100.1
1998		98.9	98.8	98.7	99.4
1999		98.8	99.1	99.9	100.3
2000		100.8	100.1	100.0	98.9
2001		99.0	98.8	98.2	97.4
2002		97.4	99.2	101.0	100.9
2003		103.2	102.8	102.8	104.3
Manufactured Goods	18.2				
1993		93.0	93.8	93.0	92.8
1994		92.9	93.9	95.8	97.1
1995		98.6	100.4	100.9	101.5
1996		102.3	101.8	102.4	102.3
1997		101.0	100.8	100.1	101.0
1998		100.4	100.6	100.5	101.5
1999		100.9	100.6	100.8	100.8
2000		100.8	99.9	99.6	98.6
2001		99.2	98.8	98.7	98.4
2002		98.1	99.9	101.5	101.4
2003		103.3	103.2	103.2	104.5
Nonmanufactured Goods	0.5				
1993		74.8	72.7	70.3	67.6
1994		67.6	73.5	71.9	72.0
1995		72.8	74.5	71.2	73.0
1996		78.8	80.6	85.7	91.7
1997		89.3	82.2	76.5	78.4
1998		65.6	58.7	58.8	53.4
1999		53.6	66.6	81.3	88.7
2000		100.4	102.9	107.9	106.2
2001		96.0	99.5	89.1	75.7
2002		86.6	88.7	99.6	104.1
2003		118.8	106.7	111.5	118.8

Table 7-13. U.S. Import Price Indexes for Selected Categories of Goods, by Locality of Origin, 1993–2003—Continued

(2000 = 100.)

Category and year	Percent of U.S. imports 2000	Months			
		March	June	September	December
LATIN AMERICA	17.8				
1997 .....		...	...	...	89.0
1998		84.3	83.9	83.0	80.4
1999		81.7	85.3	90.7	94.2
2000		98.9	100.9	103.5	99.5
2001		99.5	98.9	97.2	90.6
2002		94.0	96.2	100.0	98.9
2003		104.8	99.6	99.8	102.6
Manufactured Goods	14.2				
1997 .....		...	...	...	97.2
1998		94.8	95.0	93.8	93.5
1999		92.0	93.6	94.6	96.0
2000		98.3	99.6	101.6	102.3
2001		104.2	103.5	102.5	101.4
2002		101.5	102.4	104.2	103.8
2002		108.2	103.6	104.4	105.8
Nonmanufactured Goods	3.6				
1997 .....		...	...	...	70.8
1998		60.8	59.7	59.4	51.9
1999		59.3	67.2	82.1	90.2
2000		100.2	103.5	107.8	93.6
2001		89.3	89.0	86.0	67.3
2002		83.5	90.7	103.0	99.3
2002		111.7	103.5	100.9	109.8
JAPAN	10.7				
1993		98.5	100.9	103.5	104.4
1994		105.2	105.8	107.0	108.0
1995		108.6	112.5	112.0	111.0
1996		110.1	108.4	107.8	106.5
1997		104.6	103.2	102.7	101.0
1998		99.8	98.2	96.8	98.0
1999		98.2	98.2	98.6	99.6
2000		99.6	100.0	99.9	99.9
2001		99.4	98.6	97.8	97.0
2002		95.6	95.4	95.0	94.6
2003		94.4	94.2	93.8	94.7
ASIAN NEWLY INDUSTRIALIZED COUNTRIES	8.0				
1993		121.5	121.2	121.2	120.8
1994		120.7	120.4	120.2	120.2
1995		120.9	121.3	121.5	120.8
1996		120.6	119.6	118.1	117.3
1997		116.6	115.3	113.8	111.3
1998		108.7	105.2	103.0	102.0
1999		101.3	100.8	100.7	100.8
2000		100.6	99.9	100.0	99.3
2001		97.3	96.4	95.2	93.8
2002		93.3	92.6	92.5	91.3
2003		91.2	91.5	91.7	90.9

... = Not available.

Table 7-14. U.S. Import and Export Price Indexes and Percent Changes for Selected Categories of Services, December 2002–December 2003

(2000 = 100.)

Category	Trade (millions of dollars)	Index		Percent change				
		September 2003	December 2003	Annual December 2002 to December 2003	Quarterly			
					December 2002 to March 2003	March 2003 to June 2003	June 2003 to September 2003	September 2003 to December 2003
IMPORTS								
Air Freight	4 168	116.8	114.9	7.5	3.1	1.2	4.8	-1.6
Asia	2 329	115.2	110.4	6.4	1.6	-1.4	10.8	-4.2
Air Passenger Fares	18 253	125.9	107.0	-0.2	1.3	12.6	2.9	-15.0
Europe	11 250	127.1	95.9	-3.2	3.1	19.3	4.3	-24.5
Asia	2 626	111.0	118.8	4.0	-5.9	11.6	-7.5	7.0
Latin American/Caribbean	1 916	107.3	108.3	1.7	2.5	-2.4	0.7	0.9
EXPORTS								
Air Freight	2 836	95.1	95.4	0.2	1.2	-1.1	-0.1	0.3
Air Passenger Fares	20 319	118.0	118.4	14.7	5.0	7.9	0.9	0.3
Europe	5 394	140.2	139.9	18.5	6.7	16.4	-4.4	-0.2
Asia	8 936	103.8	103.5	12.7	6.0	3.6	3.0	-0.3
Japan	5 473	104.6	101.2	13.8	8.4	2.6	5.8	-3.3
Latin American/Caribbean	3 413	123.8	127.1	8.9	0.0	0.7	5.4	2.7

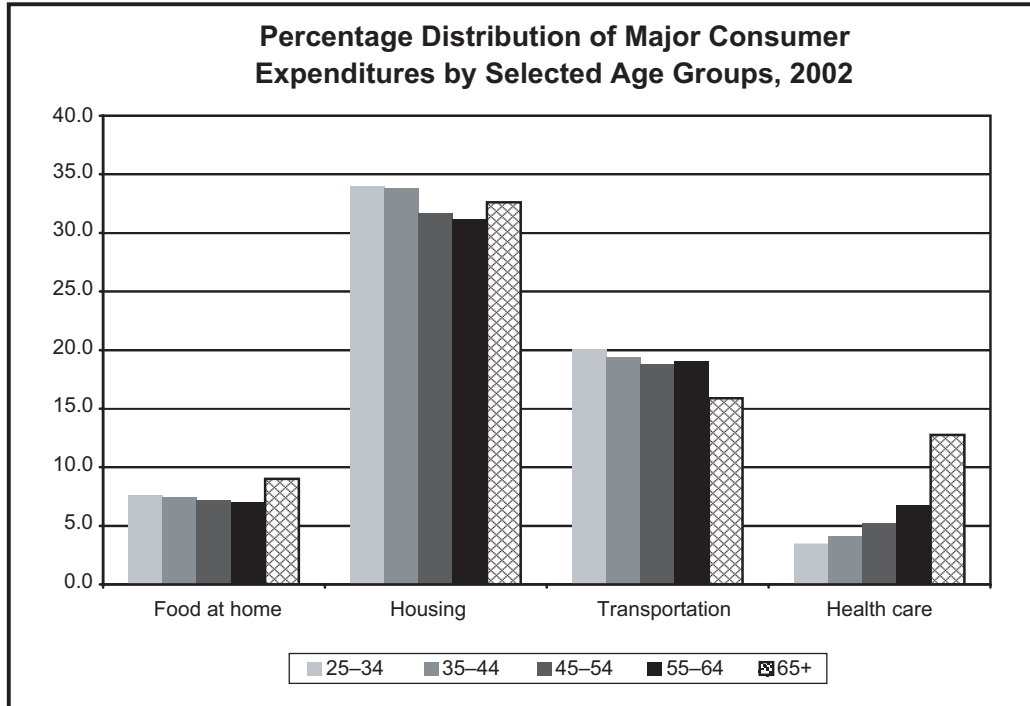
PART EIGHT

CONSUMER EXPENDITURES

CONSUMER EXPENDITURES

HIGHLIGHTS

The principal objective of the Consumer Expenditure Survey is to collect information on the buying habits of American households. The unique aspect of the survey is that expenditures can be shown for the different demographic characteristics of the population such as income, age, family size, and regions. These data are used in a variety of research projects by government, business, and academic analysts. Another important use of the survey is to provide weights for the periodic revisions of the Consumer Price Index.



Housing, defined here as including utilities and other household expenditures, takes the largest share of expenditures for all age groups. Transportation expenses follow but are less important for the over 65 age groups because they own fewer vehicles and drive less. Younger age groups not only use less health care than the over 65 group but have more insurance coverage as most are employed. (Table 8-5)

OTHER HIGHLIGHTS:

- While expenditures per household rose 2.9 percent from 2001, health care expenditures rose 7.7 percent, and pensions and Social Security rose 5 percent. (Table 8-1)
- The top income quintile (20 percent) consumes 37.2 percent of aggregate expenditures of all persons and similar proportions of total housing and transportation. (Table 8-4)
- The percent of households that are homeowners varies by region and metropolitan area from 53 percent in Honolulu, Hawaii to 77 percent in Philadelphia. (Tables 8-20 and 8-23) Of homeowners age 65 and over, 62 percent have no mortgage. (Table 8-5)
- Single men spend over 75 percent more than single women on vehicle purchases. Single women, whose average age is higher than single men, spend over 50 percent more on health care. (Table 8-18 and Table 8-19)

NOTES AND DEFINITIONS

Purpose, Collection, and Coverage

The buying habits of American consumers change over time as a result of changes in relative prices, real income, family size and composition, and other determinants of people's tastes and preferences. The introduction into the marketplace of new products and the emergence of new concepts in retailing also influence consumer buying habits. As the only national survey that can relate family expenditures to demographic characteristics, data from the Consumer Expenditure Survey (CEX) are of great importance to researchers. The survey data are also used to revise the Consumer Price Index market baskets and item samples.

The Bureau of Labor Statistics historically conducted surveys of consumer expenditures at intervals of approximately 10 years. The last such survey was conducted in 1972–73. In late 1979, in a significant departure from previous surveys, BLS initiated a survey to be conducted on a continuous basis, with rotating panels of respondents. The regular flow of data that results from this design substantially enhances the usefulness of the survey by providing more timely information on consumption patterns of different kinds of consumer units.

The current CEX is similar to its 1972–73 predecessor in that it consists of two separate components, each with its own questionnaire and sample: (1) an interview panel survey in which each consumer unit in the sample is visited by an interviewer every three months over a 12-month period, and (2) a diary, or record-keeping, survey, completed by other consumer units for two consecutive one-week periods. The Census Bureau, under contract to BLS, collects the data for both components of the survey. Beginning in 1999, the sample was increased from 5,000 to 7,500 households.

The Interview Survey is designed to collect data on the types of expenditures that respondents can be expected to recall for a period of three months or longer. These include relatively large expenditures—such as those for property, travel, automobiles, and major appliances—and expenditures that occur on a regular basis—such as rent, utilities, insurance premiums, and clothing. The interview also obtains “global estimates” of food expenditures both for food at home and food away from home. For food-at-home expenditures, respondents are asked to estimate the usual weekly expenditure at the grocery store, and how much of the expenditure was for nonfood items. Nonfood items are then subtracted from the total expenditure. Convenience and specialty stores are also included in the food-at-home estimates. The Interview survey collects approximately 95 percent of total expenditures. Excluded from the interview survey are nonprescription drugs, household supplies, and personal care products.

The Diary Survey is designed to collect expenditures on frequently purchased items that are more difficult to recall over longer periods of time. Respondents keep detailed records of expenses for food and beverages at home and meals in eating-places away from home. Expenditures for tobacco, drugs—including nonprescription drugs—and personal care supplies and services are also collected in the diary.

Participants in both surveys record dollar amounts for goods and services purchased during the reporting period whether or not payment is made at the time of purchase. Excluded from both surveys are business-related expenditures as well as expenditures for which the family is reimbursed. At the initial interview for each survey, information is collected on demographic and family characteristics.

The tables present integrated data from the Diary and Interview surveys, providing a complete accounting of consumer expenditures and income, which neither survey component alone is designed to do. Data on some expenditure items are collected only in either the Diary or Interview survey. For example, the Diary does not collect data for expenditures on overnight travel, or information on reimbursements, as the Interview does. Examples of expenditures for which any reimbursements are netted out include those for medical care; auto repair; and construction, repairs, alterations, and maintenance of property.

For items unique to one or the other survey, the choice of which survey to use as the source of data is obvious. However, there is considerable overlap in coverage between the surveys. Because of this, integrating the data presents the problem of determining the appropriate survey component. When data are available from both survey sources, the more reliable of the two is selected as determined by statistical methods. As a result, some items are selected from the Interview survey and others from the Diary survey.

Research is underway to evaluate survey methodology and is described in “*Consumer Expenditure Survey Anthology, 2003*” on the BLS Web site.

Data Included in this Part

The data in this edition are for the calendar year 2002 for a single characteristic or for an average of 2001 and 2002 for the tables cross-classified by two characteristics. Income values from the survey are derived from “complete income reporters” only. Complete income reporters are defined as consumer units that provide values for at least one of the major sources of their income: wages and salaries; self-employment income; retirement income; dividends and interest; and welfare benefits. Some consumer units are defined as complete income reporters

even though they may not have provided a full accounting of all income from all sources.

Consumer units are classified by quintiles of income before taxes; age of reference person; size of consumer unit; region; composition of consumer unit; number of earners in consumer unit; housing tenure; race; type of area (urban or rural); and occupation.

Concepts and Definitions

A *consumer unit* comprises either (1) all members of a particular household who are related by blood, marriage, adoption, or other legal arrangements; (2) a person living alone or sharing a household with others or living as a roomer in a private home or lodging house or in permanent living quarters in a hotel or motel, but who is financially independent; or (3) two or more persons living together who pool their income to make joint expenditure decisions. Financial independence is determined by the three major expense categories: housing, food, and other living expenses. To be considered financially independent, at least two of the three major expense categories have to be provided by the respondent. The terms “family,” “household,” and “consumer unit” are used interchangeably in descriptions of the CEX.

The “*householder*” or “*reference person*” is the first member of the consumer unit mentioned by the respondent as owner or renter of the premises at the time of the initial interview.

Expenditures are averages for consumer units with the specified characteristics, regardless of whether a particular unit incurred an expense for that specific item or service during the record-keeping period. An individual con-

sumer unit may have spent substantially more or substantially less than the average. The less frequently an item or service is purchased, the greater the difference between the average for all consumer units and the average of those purchasing. Income, age of family members, taste, personal preferences, and geographic location are among the factors that influence expenditures and should be considered when relating averages to individual circumstances.

Expenditures reported are the direct out-of-pocket expenditures of consumer units. Indirect expenditures may be significant for some expenditure categories, for example, utilities. Rental contracts may include some or all utilities, and renters with such contracts would record little or no direct expense for utilities. Therefore, caution should be exercised in making comparisons of expenditures for utilities by consumers of various income classes and types of housing.

Earners is a consumer unit member who reported having worked at least one week during the 12 months prior to the interview date.

Sources of Additional Information

Reports published biennially by the BLS, include tables of integrated Diary and Interview survey data, survey source of data for the integrated tables. Also see BLS Report 969 and Report 974. Report 977 is an anthology of articles. An updated chapter of the *BLS Handbook of Methods*, Chapter 16 is available on the BLS Web site.

Table 8-1. Consumer Expenditures, Average Annual of All Consumer Units, 1993–2002

Item	All consumer units									
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
NUMBER OF CONSUMER UNITS (THOUSANDS)	100 049	102 210	103 123	104 212	105 576	107 182	108 465	109 367	110 339	112 108
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	34 868	36 181	36 918	38 014	39 926	41 622	43 951	44 649	47 507	49 430
Age Of Reference Person	48	48	48	48	48	48	48	48	48	48
Average Number In Consumer Unit										
Persons	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Children under 18	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Persons 65 and over	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Earners	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
Vehicles	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	2.0
PERCENT HOMEOWNER	63	63	64	64	64	64	65	66	66	66
With mortgage	37	37	38	38	38	39	38	39	40	41
Without mortgage	26	26	26	26	26	26	27	27	26	26
AVERAGE ANNUAL EXPENDITURES	30 692	31 731	32 264	33 797	34 819	35 535	36 995	38 045	39 518	40 677
Food	4 399	4 411	4 505	4 698	4 801	4 810	5 031	5 158	5 321	5 375
Food at home	2 735	2 712	2 803	2 876	2 880	2 780	2 915	3 021	3 086	3 099
Cereals and bakery products	434	429	441	447	453	425	448	453	452	450
Meats, poultry, fish, and eggs	434	429	441	447	453	425	448	453	452	450
Dairy products	295	289	297	312	314	301	322	325	332	328
Fruits and vegetables	444	437	457	490	476	472	500	521	522	552
Other food at home	827	825	856	889	895	858	896	927	952	970
Food away from home	1 664	1 698	1 702	1 823	1 921	2 030	2 116	2 137	2 235	2 276
Alcoholic Beverages	268	278	277	309	309	309	318	372	349	376
Housing	9 636	10 106	10 458	10 747	11 272	11 713	12 057	12 319	13 011	13 283
Shelter	5 415	5 686	5 928	6 064	6 344	6 680	7 016	7 114	7 602	7 829
Owned dwellings	3 331	3 492	3 749	3 783	3 935	4 245	4 525	4 602	4 979	5 165
Rented dwellings	1 714	1 799	1 788	1 864	1 983	1 978	2 027	2 034	2 134	2 160
Other lodging	370	395	391	417	426	458	465	478	489	505
Utilities, fuels, and public services	2 112	2 189	2 191	2 347	2 412	2 405	2 377	2 489	2 767	2 684
Household operations	469	490	509	522	548	546	666	684	676	706
Housekeeping supplies	410	393	430	464	455	482	498	482	509	545
Household furnishings and equipment	1 230	1 348	1 401	1 350	1 512	1 601	1 499	1 549	1 458	1 518
Apparel And Services	1 676	1 644	1 704	1 752	1 729	1 674	1 743	1 856	1 743	1 749
Transportation	5 453	6 044	6 014	6 382	6 457	6 616	7 011	7 417	7 633	7 759
Vehicle purchases (net outlay)	2 319	2 725	2 638	2 815	2 736	2 964	3 305	3 418	3 579	3 665
Gasoline and motor oil	977	986	1 006	1 082	1 098	1 017	1 055	1 291	1 279	1 235
Other vehicle expenses	1 843	1 953	2 015	2 058	2 230	2 206	2 254	2 281	2 375	2 471
Public transportation	314	381	355	427	393	429	397	427	400	389
Health Care	1 776	1 755	1 732	1 770	1 841	1 903	1 959	2 066	2 182	2 350
Entertainment	1 626	1 567	1 612	1 834	1 813	1 746	1 891	1 863	1 953	2 079
Personal Care Products And Services	385	397	403	513	528	401	408	564	465	526
Reading	166	165	162	159	164	161	159	146	141	139
Education	455	460	471	524	571	580	635	632	648	752
Tobacco Products And Smoking Supplies	268	259	269	255	264	273	300	319	308	320
Miscellaneous	715	749	766	855	847	860	867	776	750	792
Cash Contributions	961	960	925	940	1 001	1 109	1 181	1 192	1 258	1 277
Personal Insurance And Pensions	2 908	2 938	2 964	3 060	3 223	3 381	3 436	3 365	3 737	3 899
Life and other personal insurance	399	398	373	353	379	398	394	399	410	406
Pensions and Social Security	2 509	2 540	2 591	2 707	2 844	2 982	3 042	2 966	3 326	3 493

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-2. Shares of Average Annual Expenditures and Characteristics of All Consumer Units, 1993–2002

Item	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
NUMBER OF CONSUMER UNITS (THOUSANDS)	100 049	102 210	103 123	104 212	105 576	107 182	108 465	109 367	110 339	112 108
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes¹	\$34 868	\$36 181	\$36 918	\$38 014	\$39 926	\$41 622	\$43 951	\$44 649	\$47 507	\$49 430
Age Of Reference Person	47.8	47.6	48.0	47.7	47.7	47.6	47.9	48.2	48.1	48.1
Average Number In Consumer Unit										
Persons	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Children under 18	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
Persons 65 and over	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Earners	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4	1.4
Vehicles	1.9	1.9	1.9	1.9	2.0	2.0	1.9	1.9	1.9	2.0
PERCENT HOMEOWNER										
With mortgage	63.0	63.0	64.0	64.0	64.0	64.0	65.0	66.0	66.0	66.0
Without mortgage	37.0	37.0	38.0	38.0	38.0	39.0	38.0	39.0	40.0	41.0
Without mortgage	26.0	26.0	26.0	26.0	26.0	26.0	27.0	27.0	26.0	26.0
AVERAGE ANNUAL EXPENDITURES	\$30 692	\$31 731	\$32 264	\$33 797	\$34 819	\$35 535	\$36 995	\$38 045	\$39 518	\$40 677
Food										
Food at home	14.3	13.9	14.0	13.9	13.8	13.5	13.6	13.6	13.5	13.2
Food at home	8.9	8.5	8.7	8.5	8.3	7.8	7.9	7.9	7.8	7.6
Cereals and bakery products	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.1	1.1
Meats, poultry, fish, and eggs	2.4	2.3	2.3	2.2	2.1	2.0	2.0	2.1	2.1	2.0
Dairy products	1.0	0.9	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.8
Fruits and vegetables	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.4	1.3	1.4
Other food at home	2.7	2.6	2.7	2.6	2.6	2.4	2.4	2.4	2.4	2.4
Food away from home	5.4	5.4	5.3	5.4	5.5	5.7	5.7	5.6	5.7	5.6
Alcoholic Beverages										
Alcoholic Beverages	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
Housing										
Housing	31.4	31.8	32.4	31.8	32.4	33.0	32.6	32.4	32.9	32.7
Shelter	17.6	17.9	18.4	17.9	18.2	18.8	19.0	18.7	19.2	19.2
Owned dwellings	10.9	11.0	11.6	11.2	11.3	11.9	12.2	12.1	12.6	12.7
Rented dwellings	5.6	5.7	5.5	5.5	5.7	5.6	5.5	5.3	5.4	5.3
Other lodging	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.2
Utilities, fuels, and public services	6.9	6.9	6.8	6.9	6.9	6.8	6.4	6.5	7.0	6.6
Household operations	1.5	1.5	1.6	1.5	1.6	1.5	1.8	1.8	1.7	1.7
Housekeeping supplies	1.3	1.2	1.3	1.4	1.3	1.4	1.3	1.3	1.3	1.3
Household furnishings and equipment	4.0	4.2	4.3	4.0	4.3	4.5	4.1	4.1	3.7	3.7
Apparel And Services										
Apparel And Services	5.5	5.2	5.3	5.2	5.0	4.7	4.7	4.9	4.4	4.3
Transportation										
Transportation	17.8	19.0	18.6	18.9	18.5	18.6	19.0	19.5	19.3	19.1
Vehicle purchases (net outlay)	7.6	8.6	8.2	8.3	7.9	8.3	8.9	9.0	9.1	9.0
Gasoline and motor oil	3.2	3.1	3.1	3.2	3.2	2.9	2.9	3.4	3.2	3.0
Other vehicle expenses	6.0	6.2	6.2	6.1	6.4	6.2	6.1	6.0	6.0	6.1
Public transportation	1.0	1.2	1.1	1.3	1.1	1.2	1.1	1.1	1.0	1.0
Health Care										
Health Care	5.8	5.5	5.4	5.2	5.3	5.4	5.3	5.4	5.5	5.8
Health insurance	2.6	2.6	2.7	2.4	2.5	2.6	2.5	2.6	2.7	2.9
Medical services	1.9	1.8	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.5
Drugs	1.0	0.9	0.9	0.9	0.9	1.0	1.0	1.1	1.1	1.2
Medical supplies	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Entertainment										
Entertainment	5.3	4.9	5.0	5.4	5.2	4.9	5.1	4.9	4.9	5.1
Personal Care Products And Services										
Personal Care Products And Services	1.3	1.3	1.2	1.5	1.5	1.1	1.1	1.5	1.2	1.3
Reading										
Reading	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3
Education										
Education	1.5	1.4	1.5	1.6	1.6	1.6	1.7	1.7	1.6	1.8
Tobacco Products And Smoking Supplies										
Tobacco Products And Smoking Supplies	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Miscellaneous										
Miscellaneous	2.3	2.4	2.4	2.5	2.4	2.4	2.3	2.0	1.9	1.9
Cash Contributions										
Cash Contributions	3.1	3.0	2.9	2.8	2.9	3.1	3.2	3.1	3.2	3.1
Personal Insurance And Pensions										
Personal Insurance And Pensions	9.5	9.3	9.2	9.1	9.3	9.5	9.3	8.8	9.5	9.6
Life and other personal insurance	1.3	1.3	1.2	1.0	1.1	1.1	1.1	1.0	1.0	1.0
Pensions and Social Security	8.2	8.0	8.0	8.0	8.2	8.4	8.2	7.8	8.4	8.6

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-3. Consumer Expenditures, Averages by Income Before Taxes, 2002

(Number, percent.)

Item	All consumer units	Complete reporting of income									
		Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$69,999	\$70,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	92 388	3 882	7 051	8 007	7 068	12 312	10 727	8 873	13 521	20 947
CONSUMER UNIT CHARACTERISTICS											
Average Income Before Taxes¹	49 430	49 430	1 613	7 725	12 426	17 328	24 495	34 423	44 443	58 933	115 629
Average Income After Taxes¹	46 934	46 934	1 616	7 722	12 429	17 282	24 020	33 591	42 509	56 349	107 827
Age Of Reference Person	48	48	39	51	56	53	50	48	46	45	45
Average Number In Consumer Unit											
Persons	2.5	2.5	1.7	1.7	1.8	2.1	2.3	2.5	2.6	2.8	3.1
Children under 18	0.7	0.7	0.4	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.9
Persons 65 and over	0.3	0.3	0.2	0.4	0.5	0.5	0.5	0.3	0.2	0.2	0.1
Earners	1.4	1.4	0.9	0.6	0.7	0.9	1.0	1.3	1.5	1.8	2.0
Vehicles	2.0	2.0	1.0	0.9	1.2	1.4	1.6	2.0	2.1	2.5	2.9
PERCENT DISTRIBUTION											
Male	51	51	42	33	34	41	49	53	54	59	63
Female	49	49	58	67	66	59	51	47	46	41	37
PERCENT HOMEOWNER											
With mortgage	41	40	13	11	12	16	26	36	47	57	72
Without mortgage	26	25	18	28	39	38	32	27	23	20	16
AVERAGE ANNUAL EXPENDITURES	40 677	42 557	19 699	16 488	20 918	25 015	28 836	35 095	41 787	50 406	76 627
Food	5 375	5 612	3 485	2 865	3 238	3 768	4 349	4 881	5 502	6 548	8 874
Food at home	3 099	3 217	2 206	1 838	2 317	2 483	2 768	3 006	3 241	3 555	4 524
Cereals and bakery products	450	471	321	272	347	383	403	431	454	519	666
Meats, poultry, fish, and eggs	798	815	612	478	640	615	729	782	807	896	1 099
Dairy products	328	345	227	215	233	275	294	315	371	377	481
Fruits and vegetables	552	568	386	311	418	447	502	527	559	612	807
Other food at home	970	1 018	660	562	678	762	840	951	1 050	1 151	1 471
Food away from home	2 276	2 395	1 278	1 027	922	1 286	1 581	1 875	2 261	2 994	4 350
Alcoholic Beverages	376	415	197	174	155	192	275	346	433	453	780
Housing	13 283	13 481	6 776	6 073	7 100	8 540	9 595	11 240	13 159	15 276	23 695
Shelter	7 829	7 854	4 124	3 536	4 066	4 954	5 368	6 451	7 671	8 581	14 212
Owned dwellings	5 165	5 148	1 506	1 164	1 588	2 165	2 511	3 547	4 720	6 047	11 502
Rented dwellings	2 160	2 197	2 181	2 202	2 305	2 583	2 640	2 601	2 604	2 082	1 461
Other lodging	505	509	437	169	173	206	217	304	346	452	1 249
Utilities, fuels, and public services	2 684	2 683	1 451	1 558	1 889	2 068	2 316	2 526	2 749	3 126	3 782
Household operations	706	736	188	201	304	314	477	575	688	753	1 571
Housekeeping supplies	545	606	377	284	294	411	432	490	523	1 046	847
Household furnishings and equipment	1 518	1 602	636	494	547	792	1 001	1 198	1 529	1 770	3 283
Apparel And Services	1 749	1 872	1 349	713	994	1 131	1 176	1 497	1 692	2 043	3 469
Transportation	7 759	7 984	2 975	2 591	3 951	4 752	5 275	7 041	8 651	10 555	13 487
Vehicle purchases (net outlay)	3 665	3 778	1 253	1 153	2 053	2 416	2 323	3 343	4 292	5 191	6 198
Gasoline and motor oil	1 235	1 252	604	499	649	796	987	1 261	1 289	1 592	1 927
Other vehicle expenses	2 471	2 550	934	781	1 085	1 365	1 734	2 172	2 688	3 302	4 527
Public transportation	389	404	183	158	165	176	231	264	382	471	834
Health Care	2 350	2 410	1 060	1 139	1 854	2 118	2 289	2 379	2 598	2 672	3 230
Health insurance	1 168	1 185	493	612	927	1 122	1 109	1 180	1 276	1 313	1 550
Medical services	590	605	236	177	310	370	455	590	716	734	974
Drugs	487	508	267	301	500	544	629	506	495	502	549
Medical supplies	105	112	64	49	117	82	95	103	112	124	157
Entertainment	2 079	2 167	867	721	859	1 002	1 187	1 561	1 924	2 641	4 457
Personal Care Products And Services	526	562	300	252	351	386	432	464	551	655	915
Reading	139	145	61	58	86	83	106	109	140	170	262
Education	752	771	1 394	552	377	448	311	388	536	619	1 653
Tobacco Products And Smoking Supplies	320	334	191	244	249	298	364	390	401	422	302
Miscellaneous	792	846	391	318	407	501	675	808	778	1 035	1 417
Cash Contributions	1 277	1 366	350	437	507	800	981	1 093	1 182	1 560	2 704
Personal Insurance And Pensions	3 899	4 593	302	350	790	995	1 822	2 898	4 239	5 756	11 382
Life and other personal insurance	406	425	125	134	213	211	259	324	385	469	867
Pensions and Social Security	3 493	4 169	177	216	577	784	1 563	2 574	3 854	5 287	10 515

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-4. Consumer Expenditures, Averages by Quintiles of Income Before Taxes, 2002

(Number, percent.)

Item	All consumer units	Complete reporting of income						Incomplete reporting of income
		Complete reporting of income, total	Lowest 20 percent	Second 20 percent	Third 20 percent	Fourth 20 percent	Highest 20 percent	
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	92 388	18 456	18 474	18 474	18 487	18 498	19 719
CONSUMER UNIT CHARACTERISTICS								
Average Income Before Taxes ¹	49 430	49 430	8 316	21 162	36 989	59 177	121 367	(1)
Average Income After Taxes ¹	46 934	46 934	8 323	20 859	35 817	56 497	113 044	(1)
Age Of Reference Person	48	48	50	52	48	45	46	48
Average Number In Consumer Unit								
Persons	2.5	2.5	1.7	2.2	2.5	2.8	3.2	2.6
Children under 18	0.7	0.7	0.4	0.5	0.6	0.8	0.9	0.7
Persons 65 and over	0.3	0.3	0.4	0.5	0.3	0.2	0.1	0.3
Earners	1.4	1.4	0.7	1.0	1.4	1.8	2.1	1.3
Vehicles	2.0	2.0	1.0	1.5	2.0	2.5	2.9	1.8
PERCENT DISTRIBUTION								
Male	51	51	35	45	53	59	62	50
Female	49	49	65	55	47	41	38	50
PERCENT HOMEOWNER								
	66	66	42	56	65	77	89	69
With mortgage	41	40	12	21	39	57	74	41
Without mortgage	26	25	30	35	26	20	15	29
AVERAGE ANNUAL EXPENDITURES	40 677	42 557	19 061	27 140	36 881	50 432	79 199	33 201
Food	5 375	5 612	3 186	4 140	5 071	6 574	9 083	4 771
Food at home	3 099	3 217	2 144	2 677	3 073	3 660	4 528	2 799
Cereals and bakery products	450	471	323	393	440	528	668	399
Meats, poultry, fish, and eggs	798	815	575	700	779	928	1 091	758
Dairy products	328	345	229	288	331	392	482	288
Fruits and vegetables	552	568	381	482	536	633	809	511
Other food at home	970	1 018	636	814	986	1 178	1 478	842
Food away from home	2 276	2 395	1 042	1 464	1 998	2 914	4 554	1 973
Alcoholic Beverages	376	415	172	234	389	465	814	275
Housing	13 283	13 481	6 640	9 117	11 743	15 340	24 541	12 619
Shelter	7 829	7 854	3 891	5 161	6 771	8 743	14 690	7 716
Owned dwellings	5 165	5 148	1 422	2 355	3 810	6 159	11 980	5 244
Rented dwellings	2 160	2 197	2 241	2 589	2 647	2 108	1 400	1 986
Other lodging	505	509	228	216	313	476	1 309	485
Utilities, fuels, and public services	2 684	2 683	1 661	2 209	2 585	3 106	3 851	2 691
Household operations	706	736	237	415	610	768	1 650	563
Housekeeping supplies	545	606	306	428	501	929	865	395
Household furnishings and equipment	1 518	1 602	544	904	1 277	1 795	3 484	1 254
Apparel And Services	1 749	1 872	953	1 168	1 526	2 094	3 617	1 416
Transportation	7 759	7 984	3 285	5 013	7 472	10 369	13 769	6 727
Vehicle purchases (net outlay)	3 665	3 778	1 603	2 322	3 588	5 083	6 288	3 134
Gasoline and motor oil	1 235	1 252	581	907	1 245	1 569	1 957	1 154
Other vehicle expenses	2 471	2 550	938	1 570	2 336	3 244	4 657	2 120
Public transportation	389	404	162	215	303	472	866	320
Health Care	2 350	2 410	1 402	2 183	2 506	2 692	3 262	2 095
Health insurance	1 168	1 185	702	1 107	1 212	1 354	1 548	1 088
Medical services	590	605	239	414	652	725	994	521
Drugs	487	508	379	578	531	491	561	406
Medical supplies	105	112	82	84	112	123	160	79
Entertainment	2 079	2 167	813	1 103	1 644	2 659	4 608	1 745
Personal Care Products And Services	526	562	306	417	493	644	947	433
Reading	139	145	69	97	120	168	271	107
Education	752	771	663	364	437	662	1 729	676
Tobacco Products And Smoking Supplies	320	334	238	331	390	410	299	260
Miscellaneous	792	846	373	625	756	1 020	1 456	572
Cash Contributions	1 277	1 366	449	862	1 121	1 558	2 834	862
Personal Insurance And Pensions	3 899	4 593	512	1 484	3 213	5 776	11 967	644
Life and other personal insurance	406	425	159	243	340	477	903	320
Pensions and Social Security	3 493	4 169	353	1 242	2 873	5 298	11 064	324

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-5. Consumer Expenditures, Averages by Age of Reference Person, 2002

Item	All consumer units	Under 25 years	25 to 34 years	35 to 44 years	45 to 54 years	55 to 64 years	65 years and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	8 737	18 988	24 394	22 691	15 314	21 983
CONSUMER UNIT CHARACTERISTICS							
Average Income Before Taxes ¹	49 430	20 773	49 133	61 532	64 974	53 162	29 711
Average Income After Taxes ¹	46 934	20 206	46 875	58 457	60 923	50 306	28 674
Age Of Reference Person	48	21	30	40	49	59	75
Average Number In Consumer Unit							
Persons	2.5	1.9	2.9	3.2	2.7	2.1	1.7
Children under 18	0.7	0.4	1.1	1.3	0.6	0.2	0.1
Persons 65 and over	0.3	(2)	(2)	(2)	(2)	0.1	1.4
Earners	1.4	1.3	1.5	1.7	1.8	1.3	0.5
Vehicles	2.0	1.1	1.8	2.2	2.4	2.2	1.5
PERCENT DISTRIBUTION							
Male	51	46	52	52	54	54	46
Female	49	54	48	48	46	46	54
PERCENT HOMEOWNER							
With mortgage	66	15	49	68	76	81	80
Without mortgage	41	8	42	56	56	43	18
Without mortgage	26	7	8	12	20	38	62
AVERAGE ANNUAL EXPENDITURES	40 677	24 229	40 318	48 330	48 748	44 330	28 105
Food	5 375	3 621	5 471	6 314	6 228	5 559	3 910
Food at home	3 099	1 926	3 093	3 601	3 528	3 114	2 548
Cereals and bakery products	450	287	442	542	500	423	386
Meats, poultry, fish, and eggs	798	460	817	918	929	807	641
Dairy products	328	200	324	392	367	325	274
Fruits and vegetables	552	338	522	597	627	591	510
Other food at home	970	640	988	1 153	1 106	967	738
Food away from home	2 276	1 696	2 378	2 712	2 700	2 445	1 362
Alcoholic Beverages	376	394	395	367	465	420	237
Housing	13 283	7 436	13 727	16 350	15 476	13 831	9 176
Shelter	7 829	4 851	8 470	9 902	9 223	7 667	4 834
Owned dwellings	5 165	830	4 701	7 105	6 787	5 595	3 162
Rented dwellings	2 160	3 644	3 476	2 351	1 733	1 303	1 259
Other lodging	505	377	293	446	704	770	413
Utilities, fuels, and public services	2 684	1 348	2 503	3 026	3 106	2 953	2 371
Household operations	706	198	895	1 010	613	561	602
Housekeeping supplies	545	226	389	589	633	838	466
Household furnishings and equipment	1 518	812	1 469	1 823	1 900	1 811	903
Apparel And Services	1 749	1 365	1 989	2 101	2 029	1 791	972
Transportation	7 759	5 102	8 423	9 400	9 173	8 449	4 481
Vehicle purchases (net outlay)	3 665	2 635	4 269	4 592	4 203	3 882	1 818
Gasoline and motor oil	1 235	903	1 257	1 473	1 495	1 292	777
Other vehicle expenses	2 471	1 339	2 505	2 935	3 055	2 735	1 586
Public transportation	389	225	392	400	421	540	300
Health Care	2 350	640	1 417	1 980	2 550	3 007	3 586
Health insurance	1 168	285	762	1 023	1 180	1 356	1 886
Medical services	590	196	391	556	768	863	582
Drugs	487	130	209	303	490	659	955
Medical supplies	105	30	55	99	112	129	163
Entertainment	2 079	1 212	2 027	2 685	2 565	2 297	1 139
Personal Care Products And Services	526	329	488	615	588	557	451
Reading	139	57	103	135	167	181	147
Education	752	1 664	571	738	1 208	589	202
Tobacco Products And Smoking Supplies	320	286	315	376	415	361	152
Miscellaneous	792	422	678	841	989	930	686
Cash Contributions	1 277	319	743	1 247	1 571	1 520	1 679
Personal Insurance And Pensions	3 899	1 382	3 972	5 183	5 323	4 838	1 286
Life and other personal insurance	406	51	230	409	559	595	407
Pensions and Social Security	3 493	1 331	3 742	4 774	4 764	4 243	880

¹Components of income and taxes are derived from "complete income reporters" only.²Value less than 0.05.

Table 8-6. Consumer Expenditures, Averages by Size of Consumer Unit, 2002

Item	All consumer units	One person	Two or more persons	Two persons	Three persons	Four persons	Five or more persons
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	33 055	79 053	34 849	17 308	15 822	11 074
CONSUMER UNIT CHARACTERISTICS							
Average Income Before Taxes¹	49 430	27 042	59 020	52 694	60 077	67 755	64 954
Average Income After Taxes¹	46 934	25 226	56 232	49 941	57 230	64 603	62 667
Age Of Reference Person	48	51	47	53	44	41	41
Average Number In Consumer Unit							
Persons	2.5	1.0	3.1	2.0	3.0	4.0	5.6
Children under 18	0.7	...	0.9	0.1	0.8	1.6	2.8
Persons 65 and over	0.3	0.3	0.3	0.5	0.2	0.1	0.1
Earners	1.4	0.6	1.7	1.2	1.8	2.0	2.3
Vehicles	2.0	1.0	2.3	2.2	2.3	2.5	2.6
PERCENT DISTRIBUTION							
Males	51	45	54	56	51	53	51
Females	49	55	46	44	49	47	49
PERCENT HOMEOWNER							
With mortgage	66	51	73	74	69	74	71
Without mortgage	41	21	49	39	50	60	58
Without mortgage	26	30	24	35	19	14	13
AVERAGE ANNUAL EXPENDITURES	40 677	24 190	47 508	41 797	48 098	54 033	55 501
Food	5 375	2 913	6 367	5 318	6 361	7 445	8 302
Food at home	3 099	1 558	3 718	2 943	3 733	4 431	5 247
Cereals and bakery products	450	225	541	413	523	660	821
Meats, poultry, fish, and eggs	798	359	975	767	986	1 148	1 400
Dairy products	328	166	394	307	398	480	552
Fruits and vegetables	552	292	656	547	650	754	893
Other food at home	970	515	1 152	910	1 176	1 389	1 580
Food away from home	2 276	1 356	2 649	2 375	2 628	3 014	3 055
Alcoholic Beverages	376	285	413	453	399	389	334
Housing	13 283	8 619	15 224	13 380	15 183	17 636	17 660
Shelter	7 829	5 465	8 818	7 728	8 847	10 299	10 088
Owned dwellings	5 165	2 605	6 235	5 225	6 121	7 809	7 344
Rented dwellings	2 160	2 538	2 002	1 839	2 234	1 957	2 214
Other lodging	505	322	581	664	492	532	529
Utilities, fuels, and public services	2 684	1 712	3 091	2 736	3 114	3 418	3 702
Household operations	706	400	834	513	977	1 267	998
Housekeeping supplies	545	270	656	677	551	676	722
Household furnishings and equipment	1 518	772	1 826	1 725	1 695	1 976	2 151
Apparel And Services	1 749	921	2 086	1 559	2 247	2 380	3 150
Transportation	7 759	3 890	9 377	8 110	10 003	10 685	10 510
Vehicle purchases (net outlay)	3 665	1 662	4 502	3 805	4 994	5 177	4 966
Gasoline and motor oil	1 235	646	1 481	1 257	1 512	1 713	1 809
Other vehicle expenses	2 471	1 306	2 957	2 591	3 099	3 318	3 366
Public transportation	389	276	436	458	397	476	369
Health Care	2 350	1 522	2 696	3 010	2 496	2 472	2 340
Health insurance	1 168	759	1 339	1 491	1 247	1 240	1 144
Medical services	590	330	699	700	648	740	715
Drugs	487	366	538	682	495	390	363
Medical supplies	105	68	121	137	106	102	119
Entertainment	2 079	1 193	2 448	2 115	2 308	2 928	3 038
Personal Care Products And Services	526	310	614	557	611	682	706
Reading	139	108	151	162	143	150	132
Education	752	562	831	491	935	1 156	1 279
Tobacco Products And Smoking Supplies	320	210	367	327	418	352	434
Miscellaneous	792	602	872	797	859	926	1 049
Cash Contributions	1 277	998	1 394	1 516	1 203	1 242	1 523
Personal Insurance And Pensions	3 899	2 055	4 670	4 002	4 932	5 590	5 043
Life and other personal insurance	406	183	499	492	499	520	493
Pensions and Social Security	3 493	1 872	4 170	3 510	4 433	5 071	4 550

¹Components of income and taxes are derived from "complete income reporters" only.
 ... = Not available.

Table 8-7. Consumer Expenditures, Averages by Composition of Consumer Unit, 2002

Item	All consumer units	Husband and wife consumer units							One parent, at least one child under 18 years	Single person and other consumer units
		Total	Husband and wife only	Husband and wife with children			Other husband and wife consumer units			
				Total	Oldest child under 6 years	Oldest child 6 to 17 years		Oldest child 18 years or over		
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	56 265	23 118	28 790	5 547	15 206	8 036	4 357	6 730	49 112
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	49 430	67 155	58 967	73 918	67 587	72 720	81 042	65 866	26 966	32 469
Average Income After Taxes ¹	46 934	63 697	55 609	70 213	63 849	69 009	77 369	63 487	26 483	30 782
Age Of Reference Person	48	48	57	42	32	40	51	48	37	49
Average Number In Consumer Unit										
Persons	2.5	3.2	2.0	3.9	3.5	4.1	3.9	5.0	2.9	1.6
Children under 18	0.7	0.9	...	1.6	1.5	2.1	0.6	1.5	1.8	0.2
Persons 65 and over	0.3	0.3	0.6	0.1	(2)	(2)	0.2	0.5	(2)	0.3
Earners	1.4	1.7	1.2	2.0	1.7	1.9	2.6	2.4	1.0	1.0
Vehicles	2.0	2.6	2.4	2.7	2.2	2.6	3.3	2.7	1.2	1.3
PERCENT DISTRIBUTION										
Males	51	63	67	61	63	59	62	61	13	42
Females	49	37	33	39	37	41	38	39	87	58
PERCENT HOMEOWNER										
With mortgage	66	82	86	80	69	81	87	76	40	52
Without mortgage	41	56	43	66	62	69	63	52	31	25
Without mortgage	26	27	42	14	7	12	25	24	9	27
AVERAGE ANNUAL EXPENDITURES	40 677	52 334	45 557	57 835	52 779	58 104	60 860	52 484	30 185	28 627
Food										
Food at home	5 375	6 881	5 676	7 785	6 348	8 041	8 324	7 661	4 745	3 659
Cereals and bakery products	3 099	3 987	3 160	4 528	3 940	4 664	4 690	5 030	3 057	2 033
Meats, poultry, fish, and eggs	450	579	442	676	560	708	697	711	461	292
Dairy products	798	1 025	813	1 146	942	1 163	1 263	1 409	832	520
Fruits and vegetables	328	426	329	497	454	517	487	506	318	212
Other food at home	552	714	602	779	711	789	808	914	498	364
Food away from home	970	1 242	974	1 431	1 274	1 487	1 434	1 491	948	645
Alcoholic Beverages	2 276	2 894	2 516	3 257	2 408	3 376	3 634	2 630	1 688	1 625
Housing										
Shelter	376	441	479	432	340	436	490	295	146	331
Owned dwellings	13 283	16 649	14 422	18 460	19 141	18 619	17 697	16 506	11 022	9 716
Rented dwellings	7 829	9 578	8 110	10 795	11 269	10 912	10 247	9 323	6 513	6 007
Other lodging	5 165	7 411	6 114	8 536	8 506	8 728	8 196	6 860	3 102	2 874
Utilities, fuels, and public services	2 160	1 451	1 157	1 611	2 384	1 600	1 097	1 962	3 280	2 818
Household operations	505	715	840	648	379	584	954	501	131	314
Housekeeping supplies	2 684	3 271	2 915	3 478	2 979	3 491	3 797	3 787	2 471	2 042
Household furnishings and equipment	706	943	553	1 264	2 320	1 221	615	891	814	419
Apparel and Services	545	754	817	712	552	724	804	687	337	324
Transportation	1 518	2 104	2 027	2 212	2 021	2 271	2 234	1 819	886	925
Apparel And Services										
Vehicle purchases (net outlay)	1 749	2 218	1 633	2 643	2 630	2 689	2 565	2 636	1 885	1 172
Gasoline and motor oil	7 759	10 199	8 592	11 425	10 467	11 203	12 506	10 629	5 549	5 266
Other vehicle expenses	3 665	4 795	3 898	5 513	5 391	5 512	5 600	4 806	2 833	2 484
Public transportation	1 235	1 621	1 345	1 807	1 494	1 761	2 112	1 852	912	837
Health Care	2 471	3 287	2 818	3 649	3 176	3 491	4 274	3 400	1 645	1 647
Health insurance	389	496	531	455	406	439	521	571	159	298
Medical services	2 350	3 110	3 614	2 716	2 233	2 676	3 127	3 027	1 252	1 629
Drugs	1 168	1 551	1 799	1 362	1 253	1 343	1 473	1 488	578	809
Medical supplies	590	808	828	806	633	815	909	710	411	365
Entertainment	487	615	823	433	274	400	604	711	187	382
Personal Care Products And Services	105	136	164	115	73	118	140	118	77	74
Reading	2 079	2 762	2 265	3 213	2 425	3 593	3 037	2 447	1 362	1 391
Education	526	662	608	711	549	757	736	641	428	379
Tobacco Products And Smoking Supplies	139	174	192	166	132	169	184	130	72	107
Miscellaneous	752	952	490	1 366	336	1 246	2 303	675	454	563
Cash Contributions	320	336	286	344	275	318	440	548	262	311
Personal Insurance And Pensions	792	921	865	949	913	827	1 205	1 034	569	675
Life and other personal insurance	1 277	1 646	1 909	1 481	1 037	1 399	1 941	1 335	374	979
Pensions and Social Security	3 899	5 384	4 524	6 144	5 952	6 129	6 304	4 920	2 066	2 448
Life and other personal insurance	406	605	634	592	424	609	675	539	182	209
Pensions and Social Security	3 493	4 779	3 891	5 552	5 528	5 520	5 629	4 381	1 883	2 239

¹Components of income and taxes are derived from "complete income reporters" only.²Value less than 0.05.

... = Not available.

Table 8-8. Consumer Expenditures, Averages by Number of Earners, 2002

Item	All consumer units	Single consumers		Consumer units of two or more persons			
		No earner	One earner	No earner	One earner	Two earners	Three or more earners
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	12 289	20 766	9 448	22 535	36 558	10 512
CONSUMER UNIT CHARACTERISTICS							
Average Income Before Taxes¹	49 430	14 653	33 475	25 671	44 393	70 448	79 070
Average Income After Taxes¹	46 934	14 451	30 822	25 133	42 585	66 689	75 664
Age Of Reference Person	48	67	42	65	47	42	46
Average Number In Consumer Unit							
Persons	2.5	1.0	1.0	2.3	2.9	3.1	4.4
Children under 18	0.7	...	...	0.4	1.0	0.9	1.1
Persons 65 and over	0.3	0.7	0.1	1.2	0.3	0.1	0.1
Earners	1.4	...	1.0	...	1.0	2.0	3.3
Vehicles	2.0	0.8	1.2	1.8	2.0	2.5	3.2
PERCENT DISTRIBUTION							
Males	51	32	52	57	44	58	55
Females	49	68	48	43	56	42	45
PERCENT HOMEOWNER							
With mortgage	66	61	45	78	66	74	78
Without mortgage	41	10	28	18	41	58	59
Without mortgage	26	51	17	60	25	16	19
AVERAGE ANNUAL EXPENDITURES	40 677	17 607	28 077	29 721	39 923	52 991	60 844
Food	5 375	2 383	3 223	4 542	5 650	6 729	8 381
Food at home	3 099	1 620	1 521	2 959	3 546	3 704	4 884
Cereals and bakery products	450	240	216	460	525	525	711
Meats, poultry, fish, and eggs	798	387	344	738	931	967	1 328
Dairy products	328	175	161	316	386	392	494
Fruits and vegetables	552	314	279	563	641	635	859
Other food at home	970	504	522	882	1 063	1 184	1 493
Food away from home	2 276	763	1 702	1 584	2 103	3 025	3 497
Alcoholic Beverages	376	113	385	208	320	491	528
Housing	13 283	7 030	9 559	9 825	13 324	17 101	17 640
Shelter	7 829	3 973	6 349	5 113	7 700	10 074	10 175
Owned dwellings	5 165	1 890	3 028	3 278	4 995	7 384	7 560
Rented dwellings	2 160	1 903	2 914	1 293	2 229	2 084	1 864
Other lodging	505	180	406	542	476	606	752
Utilities, fuels, and public services	2 684	1 666	1 739	2 553	2 865	3 169	3 788
Household operations	706	608	277	505	681	1 069	636
Housekeeping supplies	545	272	268	541	551	710	798
Household furnishings and equipment	1 518	511	926	1 113	1 526	2 079	2 243
Apparel And Services	1 749	612	1 103	1 037	1 839	2 351	2 665
Transportation	7 759	2 173	4 906	5 330	7 576	10 384	13 372
Vehicle purchases (net outlay)	3 665	816	2 163	2 382	3 699	4 960	6 538
Gasoline and motor oil	1 235	395	795	906	1 214	1 607	2 133
Other vehicle expenses	2 471	799	1 606	1 664	2 333	3 330	4 159
Public transportation	389	164	342	377	330	487	541
Health Care	2 350	2 064	1 201	3 827	2 544	2 498	2 693
Health insurance	1 168	1 108	552	1 990	1 242	1 248	1 277
Medical services	590	289	354	676	650	710	783
Drugs	487	597	229	972	538	433	510
Medical supplies	105	71	66	188	114	106	123
Entertainment	2 079	701	1 484	1 265	2 037	2 801	3 172
Personal Care Products And Services	526	286	325	458	565	654	722
Reading	139	97	114	140	133	162	164
Education	752	269	736	251	576	858	1 806
Tobacco Products And Smoking Supplies	320	142	250	210	324	387	529
Miscellaneous	792	439	698	608	731	975	1 052
Cash Contributions	1 277	938	1 034	1 471	1 235	1 398	1 649
Personal Insurance And Pensions	3 899	361	3 058	550	3 070	6 202	6 470
Life and other personal insurance	406	171	190	415	452	534	556
Pensions and Social Security	3 493	189	2 868	135	2 618	5 668	5 914

¹Components of income and taxes are derived from "complete income reporters" only.
 ... = Not available.

Table 8-9. Consumer Expenditures, Averages by Housing Tenure, Type of Area, Race and Hispanic Origin of Reference Person, 2002

Item	All consumer units	Housing tenure		Type of area		Race of consumer unit		Hispanic origin of consumer unit	
		Homeowner	Renter	Urban	Rural	White and Other	Black	Hispanic	Non-Hispanic
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	74 419	37 689	98 386	13 722	98 553	13 554	10 500	101 608
CONSUMER UNIT CHARACTERISTICS									
Average Income Before Taxes ¹	49 430	59 345	30 386	50 985	38 376	51 177	35 944	37 360	50 742
Average Income After Taxes ¹	46 934	56 209	29 119	48 332	36 998	48 504	34 808	36 482	48 070
Age Of Reference Person	48	52	40	48	51	48	46	42	49
Average Number In Consumer Unit									
Persons	2.5	2.6	2.2	2.5	2.5	2.5	2.7	3.3	2.4
Children under 18	0.7	0.7	0.6	0.7	0.6	0.6	0.9	1.1	0.6
Persons 65 and over	0.3	0.4	0.1	0.3	0.4	0.3	0.2	0.2	0.3
Earners	1.4	1.4	1.2	1.4	1.4	1.4	1.3	1.6	1.3
Vehicles	2.0	2.3	1.2	1.9	2.5	2.1	1.3	1.7	2.0
CONSUMER UNIT CHARACTERISTICS									
Males	51	54	46	51	50	52	40	52	51
Females	49	46	54	49	50	48	60	48	49
PERCENT HOMEOWNER									
	66	100	...	64	82	69	48	48	68
With mortgage	41	61	...	41	37	42	32	33	41
Without mortgage	26	39	...	23	45	27	16	15	27
AVERAGE ANNUAL EXPENDITURES									
	40 677	46 908	28 372	41 600	34 067	42 135	30 136	34 742	41 295
Food									
	5 375	6 009	4 123	5 465	4 739	5 542	4 186	5 666	5 349
Food at home	3 099	3 454	2 397	3 129	2 884	3 159	2 669	3 643	3 047
Cereals and bakery products	450	501	350	455	414	459	390	498	446
Meats, poultry, fish, and eggs	798	881	636	804	756	789	862	1 057	774
Dairy products	328	370	247	330	317	342	232	385	323
Fruits and vegetables	552	613	432	562	485	565	460	720	536
Other food at home	970	1 090	732	978	913	1 004	725	982	968
Food away from home	2 276	2 555	1 725	2 336	1 855	2 383	1 517	2 023	2 302
Alcoholic Beverages									
	376	402	324	395	241	402	190	301	383
Housing									
	13 283	15 058	9 777	13 771	9 780	13 633	10 756	11 841	13 431
Shelter	7 829	8 458	6 588	8 277	4 622	8 043	6 279	7 372	7 877
Owned dwellings	5 165	7 752	56	5 389	3 559	5 432	3 223	3 567	5 330
Rented dwellings	2 160	67	6 293	2 358	739	2 065	2 852	3 645	2 006
Other lodging	505	639	239	530	324	546	204	161	540
Utilities, fuels, and public services	2 684	3 155	1 755	2 701	2 565	2 673	2 768	2 413	2 712
Household operations	706	876	370	751	381	733	509	407	737
Housekeeping supplies	545	674	291	511	790	578	313	471	552
Household furnishings and equipment	1 518	1 896	773	1 532	1 422	1 606	887	1 179	1 553
Apparel And Services									
	1 749	1 942	1 369	1 814	1 292	1 756	1 704	2 097	1 716
Transportation									
	7 759	8 972	5 365	7 787	7 562	8 077	5 447	6 769	7 861
Vehicle purchases (net outlay)	3 665	4 238	2 533	3 647	3 796	3 836	2 420	3 130	3 720
Gasoline and motor oil	1 235	1 413	883	1 211	1 411	1 278	925	1 261	1 232
Other vehicle expenses	2 471	2 886	1 651	2 510	2 187	2 553	1 875	2 062	2 513
Public transportation	389	435	298	420	168	411	228	317	396
Health Care									
	2 350	2 921	1 223	2 315	2 606	2 490	1 339	1 366	2 452
Health insurance	1 168	1 450	611	1 151	1 291	1 226	747	671	1 219
Medical services	590	737	300	583	641	637	247	358	614
Drugs	487	605	255	476	572	514	295	271	510
Medical supplies	105	130	57	106	102	113	50	66	109
Entertainment									
	2 079	2 501	1 246	2 124	1 755	2 211	1 124	1 409	2 148
Personal Care Products And Services									
	526	598	384	541	418	531	488	492	529
Reading									
	139	166	84	145	95	148	67	60	147
Education									
	752	774	708	806	363	792	463	488	779
Tobacco Products And Smoking Supplies									
	320	307	347	307	419	336	210	186	334
Miscellaneous									
	792	895	589	808	683	818	606	628	809
Cash Contributions									
	1 277	1 588	663	1 300	1 112	1 327	917	612	1 346
Personal Insurance And Pensions									
	3 899	4 773	2 171	4 023	3 003	4 072	2 640	2 827	4 009
Life and other personal insurance	406	524	173	407	398	419	312	196	428
Pensions and Social Security	3 493	4 249	1 998	3 616	2 605	3 653	2 328	2 631	3 581

¹Components of income and taxes are derived from "complete income reporters" only.
 ... = Not available.

Table 8-10. Consumer Expenditures, Averages by Region of Residence, 2002

Item	All consumer units	Northeast	Midwest	South	West
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	21 313	25 883	40 004	24 907
CONSUMER UNIT CHARACTERISTICS					
Average Income Before Taxes¹	49 430	53 983	49 197	45 641	52 016
Average Income After Taxes¹	46 934	51 578	46 370	43 617	49 008
Age Of Reference Person	48	49	48	48	47
Average Number In Consumer Unit					
Persons	2.5	2.5	2.5	2.5	2.6
Children under 18	0.7	0.6	0.7	0.6	0.7
Persons 65 and over	0.3	0.3	0.3	0.3	0.3
Earners	1.4	1.3	1.4	1.3	1.4
Vehicles	2.0	1.7	2.2	1.9	2.1
PERCENT DISTRIBUTION					
Earners	51	51	51	50	53
Vehicles	49	49	49	50	47
PERCENT HOMEOWNER					
With mortgage	66	64	70	68	62
Without mortgage	41	38	41	40	43
Without mortgage	26	26	29	28	19
AVERAGE ANNUAL EXPENDITURES	40 677	42 390	40 601	37 281	44 728
Food	5 375	5 813	5 180	5 102	5 630
Food at home	3 099	3 296	2 932	2 961	3 317
Cereals and bakery products	450	498	435	421	469
Meats, poultry, fish, and eggs	798	878	706	809	807
Dairy products	328	348	320	300	365
Fruits and vegetables	552	605	490	511	635
Other food at home	970	967	981	919	1 041
Food away from home	2 276	2 517	2 247	2 141	2 314
Alcoholic Beverages	376	458	410	282	420
Housing	13 283	14 558	12 641	11 766	15 297
Shelter	7 829	8 962	7 097	6 478	9 792
Owned dwellings	5 165	5 793	4 944	4 322	6 211
Rented dwellings	2 160	2 567	1 657	1 744	3 003
Other lodging	505	602	496	412	578
Utilities, fuels, and public services	2 684	2 750	2 682	2 775	2 485
Household operations	706	804	570	690	787
Housekeeping supplies	545	498	709	489	506
Household furnishings and equipment	1 518	1 544	1 583	1 333	1 727
Apparel And Services	1 749	1 965	1 728	1 592	1 836
Transportation	7 759	7 185	8 133	7 393	8 449
Vehicle purchases (net outlay)	3 665	3 036	4 034	3 591	3 937
Gasoline and motor oil	1 235	1 081	1 269	1 238	1 325
Other vehicle expenses	397	298	396	452	393
Public transportation	389	612	342	265	445
Health Care	2 350	2 207	2 383	2 431	2 310
Health insurance	1 168	1 178	1 185	1 196	1 096
Medical services	590	505	566	597	676
Drugs	487	418	519	546	421
Medical supplies	105	107	112	92	117
Entertainment	2 079	2 287	2 143	1 705	2 436
Personal Care Products And Services	526	518	517	509	569
Reading	139	165	149	103	162
Education	752	1 062	718	487	947
Tobacco Products And Smoking Supplies	320	315	396	321	247
Miscellaneous	792	733	776	764	905
Cash Contributions	1 277	1 199	1 363	1 193	1 389
Personal Insurance And Pensions	3 899	3 924	4 065	3 632	4 132
Life and other personal insurance	406	460	448	389	345
Pensions and Social Security	3 493	3 464	3 617	3 243	3 787

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-11. Consumer Expenditures, Averages by Occupation of Reference Person, 2002

Item	All consumer units	Self-employed workers	Wage and salary earners						Retired	All other, including not reporting
			Total wage and salary earners	Managers and professionals	Technical sales and clerical workers	Service workers	Construction workers and mechanics	Operators fabricators and laborers		
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	5 106	74 695	27 104	20 964	10 704	4 885	11 038	19 204	13 102
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	49 430	54 787	57 422	80 469	49 363	35 108	50 401	40 214	26 399	32 298
Average Income After Taxes ¹	46 934	52 115	54 281	74 994	47 112	34 117	47 958	38 790	25 573	31 381
Age Of Reference Person	48	52	42	43	41	41	41	42	72	46
Average Number In Consumer Unit										
Persons	2.5	2.5	2.7	2.6	2.6	2.7	2.8	2.9	1.7	2.7
Children under 18	0.7	0.6	0.8	0.7	0.7	0.8	0.9	0.9	0.1	0.8
Persons 65 and over	0.3	0.4	0.1	0.1	0.1	0.1	0.1	0.1	1.1	0.2
Earners	1.4	1.7	1.7	1.7	1.7	1.7	1.8	1.8	0.2	0.7
Vehicles	2.0	2.3	2.1	2.2	2.0	1.8	2.5	2.2	1.6	1.6
CONSUMER UNIT CHARACTERISTICS										
Male	51	63	55	54	43	45	89	71	46	32
Female	49	37	45	46	57	55	11	29	54	68
PERCENT HOMEOWNER										
With mortgage	66	79	64	73	60	49	67	59	81	56
Without mortgage	41	46	48	59	45	33	49	38	18	31
Without mortgage	26	33	16	14	15	16	18	21	63	25
AVERAGE ANNUAL EXPENDITURES	40 677	46 880	45 296	57 200	42 069	34 515	40 711	34 601	27 535	31 099
Food										
Food at home	3 099	3 063	3 244	3 526	3 035	3 127	3 261	3 038	2 519	3 122
Cereals and bakery products	450	433	467	516	438	453	450	418	384	458
Meats, poultry, fish, and eggs	798	766	839	851	798	847	937	834	616	843
Dairy products	328	322	340	377	318	315	335	316	277	338
Fruits and vegetables	552	535	568	648	510	542	535	521	501	539
Other food at home	970	1 007	1 030	1 134	971	971	1 003	949	740	945
Food away from home	2 276	2 842	2 591	3 271	2 462	1 986	2 219	1 902	1 279	1 689
Alcoholic Beverages										
Alcoholic Beverages	376	500	436	554	374	323	428	369	208	224
Housing										
Shelter	7 829	8 999	8 783	11 418	8 296	6 531	7 524	5 978	4 871	6 274
Owned dwellings	5 165	6 597	5 830	8 268	5 303	3 364	5 198	3 515	3 217	3 672
Rented dwellings	2 160	1 485	2 427	2 321	2 553	2 814	2 050	2 239	1 219	2 280
Other lodging	505	917	526	829	440	353	276	224	435	323
Utilities, fuels, and public services	2 684	3 059	2 784	3 166	2 658	2 442	2 694	2 461	2 382	2 410
Household operations	706	938	758	1 127	700	406	531	403	616	449
Housekeeping supplies	545	539	578	644	511	452	452	716	477	459
Household furnishings and equipment	1 518	1 658	1 718	2 290	1 551	1 222	1 439	1 224	962	1 138
Apparel And Services										
Apparel And Services	1 749	1 788	2 004	2 532	1 906	1 618	1 447	1 507	899	1 515
Transportation										
Transportation	7 759	7 102	8 959	10 494	8 491	7 507	9 025	7 458	4 468	5 997
Vehicle purchases (net outlay)	3 665	2 576	4 332	4 854	4 183	3 905	4 458	3 691	1 793	3 029
Gasoline and motor oil	1 235	1 334	1 387	1 519	1 320	1 180	1 539	1 322	779	1 000
Other vehicle expenses	2 471	2 693	2 822	3 460	2 625	2 207	2 779	2 245	1 553	1 722
Public transportation	389	498	418	661	362	215	247	200	343	246
Health Care										
Health Care	2 350	3 628	2 058	2 538	1 955	1 559	1 786	1 679	3 482	1 859
Health insurance	1 168	1 760	1 012	1 251	998	728	810	815	1 815	878
Medical services	590	1 033	584	738	505	488	583	451	594	443
Drugs	487	669	369	420	369	285	319	347	925	451
Medical supplies	105	166	93	130	83	58	73	66	148	87
Entertainment										
Entertainment	2 079	2 441	2 366	3 178	2 200	1 659	2 001	1 532	1 254	1 499
Personal Care Products And Services										
Personal Care Products And Services	526	561	563	713	545	442	435	398	435	434
Reading										
Reading	139	177	142	211	127	83	90	82	146	92
Education										
Education	752	855	914	1 319	861	634	501	472	177	632
Tobacco Products And Smoking Supplies										
Tobacco Products And Smoking Supplies	320	315	354	251	354	377	582	482	163	363
Miscellaneous										
Miscellaneous	792	1 144	843	1 106	730	654	895	570	657	565
Cash Contributions										
Cash Contributions	1 277	1 750	1 278	1 792	1 069	742	1 298	928	1 546	692
Personal Insurance And Pensions										
Personal Insurance And Pensions	3 899	5 518	4 923	7 071	4 244	2 751	4 103	3 404	995	1 686
Life and other personal insurance	406	544	429	602	370	278	366	290	383	256
Pensions and Social Security	3 493	4 974	4 494	6 470	3 873	2 473	3 737	3 114	612	1 430

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-12. Consumer Expenditures, Averages for Age Groups by Income Before Taxes, 2001–2002: Reference Person Under Age 25

Item	Complete reporting of income							
	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	7 153	1 573	1 271	974	679	938	684	1 033
CONSUMER UNIT CHARACTERISTICS								
Average Income Before Taxes ¹	20 771	2 511	7 271	12 074	17 326	23 897	33 850	64 142
Average Income After Taxes ¹	20 267	2 535	7 267	12 153	17 283	23 186	32 971	61 807
Age Of Reference Person	21	20	21	21	22	22	22	22
Average Number In Consumer Unit								
Persons	1.8	1.2	1.4	1.7	2.1	2.1	2.3	2.7
Children under 18	0.4	0.1	0.3	0.4	0.5	0.4	0.5	0.5
Persons 65 and over	(2)	(3)	(3)	(2)	(2)	(2)	(2)	(2)
Earners	1.3	0.9	1.0	1.1	1.3	1.4	1.6	2.0
Vehicles	1.2	0.6	0.8	1.0	1.3	1.4	1.6	2.0
PERCENT DISTRIBUTION								
Male	47	49	43	41	45	49	48	50
Female	53	51	57	59	55	51	52	50
PERCENT HOMEOWNER								
.....	13	6	6	8	11	13	19	34
With mortgage	7	1	2	3	4	6	10	27
Without mortgage	6	5	5	6	7	6	8	7
AVERAGE ANNUAL EXPENDITURES	24 699	13 397	16 542	21 070	23 604	26 937	32 472	46 419
Food	3 828	2 319	2 899	3 071	3 460	3 951	4 511	6 273
Food at home	1 910	826	1 447	1 513	2 083	2 218	2 270	2 949
Cereals and bakery products	286	124	216	237	336	325	327	426
Meats, poultry, fish, and eggs	451	143	303	360	457	559	553	754
Dairy products	202	88	171	149	218	214	241	326
Fruits and vegetables	319	130	221	228	356	362	402	522
Other food at home	653	340	537	540	716	758	747	921
Food away from home	1 917	1 493	1 452	1 557	1 377	1 733	2 241	3 324
Alcoholic Beverages	415	276	280	444	344	411	552	605
Housing	7 606	4 167	4 842	6 619	7 558	8 608	10 095	14 335
Shelter	4 868	2 782	3 247	4 083	4 888	5 339	6 554	9 218
Owned dwellings	778	165	177	519	279	558	1 088	3 019
Rented dwellings	3 742	2 038	2 650	3 241	4 327	4 597	5 335	5 934
Other lodging	348	579	420	322	282	185	131	265
Utilities, fuels, and public services	1 351	621	880	1 249	1 426	1 667	1 982	2 387
Household operations	227	78	108	172	165	371	239	553
Housekeeping supplies	244	123	141	157	337	280	271	393
Household furnishings and equipment	916	563	467	958	742	949	1 048	1 784
Apparel And Services	1 373	799	805	1 573	1 321	1 267	1 847	2 182
Transportation	5 084	1 810	2 959	4 579	5 278	6 482	7 256	10 297
Vehicle purchases (net outlay)	2 594	⁴ 720	1 482	2 656	2 978	3 329	3 693	5 109
Gasoline and motor oil	907	493	613	846	918	1 162	1 160	1 551
Other vehicle expenses	1 358	448	647	906	1 224	1 822	2 123	3 187
Public transportation	225	149	217	172	159	169	281	451
Health Care	608	179	221	446	495	843	868	1 526
Health insurance	266	51	61	196	182	383	459	736
Medical services	177	58	49	89	110	246	219	552
Drugs	127	56	71	139	170	169	143	172
Medical supplies	38	14	41	⁴ 21	⁴ 32	45	47	66
Entertainment	1 250	727	1 038	1 019	1 150	1 123	1 587	2 407
Personal Care Products And Services	336	217	219	292	249	418	442	545
Reading	61	42	56	68	51	62	71	91
Education	1 586	2 271	2 182	1 482	1 746	847	876	944
Tobacco Products And Smoking Supplies	287	169	194	281	392	341	405	389
Miscellaneous	395	146	275	250	304	473	871	688
Cash Contributions	262	114	149	172	154	273	369	703
Personal Insurance And Pensions	1 607	161	424	774	1 101	1 839	2 722	5 433
Life and other personal insurance	51	⁴ 7	⁴ 29	⁴ 29	⁴ 30	67	80	146
Pensions and Social Security	1 556	154	394	745	1 071	1 772	2 642	5 287

¹Components of income and taxes are derived from "complete income reporters" only.

²Value less than 0.05.

³No data reported.

⁴Data are likely to have large sampling errors

**Table 8-13. Consumer Expenditures, Averages for Age Groups by Income Before Taxes, 2001–2002:
Reference Person Age 25–34**

(Number, percent.)

Item	Complete reporting of income									
	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$69,999	\$70,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	15 569	467	635	904	1 082	2 321	2 141	1 880	2 772	3 367
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	49 275	2 184	7 627	12 404	17 196	24 691	34 336	44 236	58 711	105 369
Average Income After Taxes ¹	46 686	2 300	7 918	12 747	17 231	24 259	33 097	42 357	55 880	97 688
Age Of Reference Person	30	29	29	29	29	30	30	30	30	30
Average Number In Consumer Unit										
Persons	2.8	2.3	2.6	2.9	2.8	2.7	2.7	2.8	3.0	3.0
Children under 18	1.1	1.0	1.2	1.4	1.3	1.1	1.1	1.0	1.1	1.0
Persons 65 and over	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Earners	1.5	1.0	0.9	1.1	1.3	1.3	1.5	1.6	1.8	1.9
Vehicles	1.8	0.9	0.9	1.0	1.3	1.4	1.8	1.9	2.1	2.3
PERCENT DISTRIBUTION										
Male	54	32	31	37	44	52	53	58	63	61
Female	46	68	69	63	56	48	47	42	37	39
PERCENT HOMEOWNER										
With mortgage	48	21	20	22	21	30	44	46	62	75
Without mortgage	40	11	15	8	13	19	36	39	56	70
Without mortgage	8	10	6	13	8	11	8	7	7	5
AVERAGE ANNUAL EXPENDITURES	41 766	20 855	20 398	21 842	24 179	28 437	35 467	40 712	47 953	68 208
Food	5 659	3 624	3 749	3 952	3 913	4 677	5 026	5 646	6 129	7 928
Food at home	3 155	2 478	2 430	2 713	2 430	2 784	2 995	3 309	3 262	3 884
Cereals and bakery products	450	370	325	416	320	399	443	460	463	552
Meats, poultry, fish, and eggs	836	722	717	737	682	806	805	805	802	1 032
Dairy products	342	263	248	272	284	292	309	404	345	420
Fruits and vegetables	521	389	392	483	407	489	472	525	518	662
Other food at home	1 006	734	748	805	737	797	966	1 114	1 133	1 219
Food away from home	2 504	1 146	1 319	1 239	1 483	1 893	2 031	2 337	2 867	4 044
Alcoholic Beverages	439	168	311	236	254	299	379	447	512	671
Housing	13 895	7 738	7 476	7 767	8 371	9 879	11 235	12 809	15 508	23 092
Shelter	8 460	4 737	4 265	4 724	5 089	5 921	6 860	7 779	9 509	14 137
Owned dwellings	4 552	1 142	1 054	1 198	869	1 521	3 008	3 613	5 854	10 292
Rented dwellings	3 638	3 506	3 110	3 457	4 111	4 324	3 709	3 974	3 408	3 136
Other lodging	270	389	³ 100	³ 68	109	76	143	192	246	709
Utilities, fuels, and public services	2 542	1 876	1 819	1 914	1 936	2 167	2 369	2 564	2 761	3 308
Household operations	856	242	448	277	317	629	469	687	1 058	1 676
Housekeeping supplies	452	335	270	187	376	330	390	413	527	669
Household furnishings and equipment	1 586	549	674	666	653	832	1 146	1 366	1 652	3 302
Apparel And Services	2 087	1 518	804	1 494	1 523	1 433	1 960	1 903	2 013	3 423
Transportation	8 617	4 037	4 238	4 429	4 825	5 693	7 790	9 148	10 502	13 116
Vehicle purchases (net outlay)	4 333	³ 1 945	2 384	2 420	2 335	2 845	3 978	4 649	5 497	6 305
Gasoline and motor oil	1 308	717	763	758	887	1 028	1 268	1 384	1 472	1 818
Other vehicle expenses	2 597	1 131	936	1 106	1 382	1 610	2 213	2 768	3 159	4 274
Public transportation	378	244	154	145	221	210	331	347	374	719
Health Care	1 392	591	646	526	823	957	1 379	1 622	1 762	1 931
Health insurance	742	265	259	232	362	472	783	923	936	1 058
Medical services	385	139	186	145	284	293	330	411	524	525
Drugs	206	155	158	126	145	150	213	225	235	263
Medical supplies	58	³ 33	³ 45	³ 24	31	43	53	63	67	85
Entertainment	2 068	975	771	852	1 081	1 174	1 784	2 171	2 515	3 465
Personal Care Products And Services	497	293	242	345	421	382	477	498	545	686
Reading	113	57	46	41	68	72	96	100	122	205
Education	525	901	675	289	506	369	374	430	525	770
Tobacco Products And Smoking Supplies	333	260	329	385	326	317	378	410	326	276
Miscellaneous	669	273	392	342	300	528	650	600	839	987
Cash Contributions	807	210	310	341	354	540	714	801	846	1 467
Personal Insurance And Pensions	4 666	211	409	840	1 414	2 117	3 225	4 128	5 811	10 190
Life and other personal insurance	244	³ 56	61	68	131	112	187	232	286	488
Pensions and Social Security	4 422	155	348	772	1 283	2 005	3 038	3 896	5 525	9 702

¹Components of income and taxes are derived from "complete income reporters" only.²Value less than 0.05.³Data are likely to have large sampling errors.

Table 8-14. Consumer Expenditures, Averages for Age Groups by Income Before Taxes, 2001–2002: Reference Person Age 35–44

(Number, percent.)

Item	Complete reporting of income									
	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$69,999	\$70,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	19 847	526	729	938	1 033	2 222	2 320	2 231	3 641	6 208
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	60 233	-1 154	7 857	12 572	17 182	24 698	34 414	44 680	59 019	114 611
Average Income After Taxes ¹	56 911	-1 046	8 108	12 781	17 491	24 381	33 280	42 605	56 103	106 861
Age Of Reference Person	40	40	40	40	40	40	39	39	40	40
Average Number In Consumer Unit										
Persons	3	3	3	3	3	3	3	3	3	4
Children under 18	1	1	1	1	1	1	1	1	1	2
Persons 65 and over	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Earners	2	1	1	1	1	1	2	2	2	2
Vehicles	2	2	1	1	1	2	2	2	2	3
PERCENT DISTRIBUTION										
Males	52	41	38	33	36	45	50	55	56	60
Females	48	59	62	67	64	55	50	45	44	40
PERCENT HOMEOWNER										
With mortgage	68	42	29	33	36	47	60	69	79	88
Without mortgage	57	28	14	15	25	33	47	59	69	80
Without mortgage	11	14	15	18	12	14	13	10	10	7
AVERAGE ANNUAL EXPENDITURES	50 477	28 545	18 958	22 955	26 494	28 558	34 448	43 446	53 201	79 369
Food	6 728	4 867	3 675	4 831	4 715	4 650	4 910	6 145	7 440	9 271
Food at home	3 827	2 912	2 294	3 393	3 221	2 996	3 068	3 655	4 048	4 842
Cereals and bakery products	578	459	342	487	487	449	441	531	610	754
Meats, poultry, fish, and eggs	988	810	645	1 112	956	828	861	911	1 064	1 127
Dairy products	423	319	250	306	338	333	340	398	438	556
Fruits and vegetables	622	474	366	521	585	481	502	622	627	793
Other food at home	1 215	850	690	966	855	904	924	1 192	1 309	1 612
Food away from home	2 902	1 955	1 382	1 438	1 494	1 654	1 842	2 490	3 392	4 429
Alcoholic Beverages	445	456	140	189	258	294	279	474	401	696
Housing	16 452	10 271	7 423	7 993	9 384	9 959	11 396	13 848	16 610	25 617
Shelter	9 801	6 777	4 072	4 753	5 699	6 000	6 742	8 302	9 790	15 224
Owned dwellings	6 967	3 998	1 400	1 269	2 155	2 562	3 728	5 432	7 369	12 636
Rented dwellings	2 348	2 446	2 563	3 425	3 400	3 252	2 853	2 624	2 036	1 549
Other lodging	486	332	108	359	144	185	161	246	385	1 039
Utilities, fuels, and public services	3 063	1 998	2 101	2 018	2 205	2 416	2 701	2 890	3 302	3 857
Household operations	1 004	145	441	253	369	330	621	561	791	2 030
Housekeeping supplies	660	406	304	423	374	386	424	600	837	942
Household furnishings and equipment	1 924	946	504	547	737	826	908	1 495	1 891	3 565
Apparel And Services	2 284	1 545	1 083	1 431	1 701	1 093	1 658	2 001	2 190	3 608
Transportation	9 711	6 106	3 227	3 718	5 079	5 417	6 745	9 152	10 872	14 643
Vehicle purchases (net outlay)	4 761	3 781	1 529	1 733	2 525	2 401	3 097	4 380	5 406	7 278
Gasoline and motor oil	1 532	766	653	787	955	1 144	1 293	1 463	1 703	2 061
Other vehicle expenses	2 988	1 413	928	1 042	1 378	1 638	2 119	3 054	3 376	4 506
Public transportation	430	146	117	156	222	234	236	255	387	799
Health Care	1 994	1 043	794	1 088	1 029	1 327	1 718	1 820	2 357	2 708
Health insurance	984	565	349	487	435	632	878	983	1 181	1 312
Medical services	588	281	235	250	250	392	477	461	728	838
Drugs	326	162	178	255	307	261	276	295	342	416
Medical supplies	96	³ 34	³ 32	³ 96	37	42	88	82	106	142
Entertainment	2 724	1 259	793	1 021	979	1 204	1 631	2 070	2 792	4 789
Personal Care Products And Services	613	439	286	422	390	391	461	538	615	904
Reading	142	46	31	51	46	64	89	113	160	240
Education	722	454	194	279	286	311	333	541	878	1 216
Tobacco Products And Smoking Supplies	398	442	375	435	477	489	425	439	434	301
Miscellaneous	863	507	322	358	492	591	686	812	845	1 292
Cash Contributions	1 324	543	206	238	314	610	785	1 084	1 394	2 356
Personal Insurance And Pensions	6 077	568	408	901	1 344	2 158	3 333	4 407	6 212	11 727
Life and other personal insurance	426	189	141	87	136	226	267	316	433	744
Pensions and Social Security	5 651	378	267	814	1 208	1 932	3 066	4 092	5 780	10 983

¹Components of income and taxes are derived from "complete income reporters" only.

²Value less than 0.05.

³Data are likely to have large sampling errors.

**Table 8-15. Consumer Expenditures, Averages for Age Groups by Income Before Taxes, 2001–2002:
Reference Person Age 45–54**

(Number, percent.)

Item	Complete reporting of income									
	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$69,999	\$70,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	17 889	470	820	835	886	1 881	2 024	1 881	3 109	5 984
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	63 063	329	7 670	12 506	17 317	24 579	34 512	44 070	59 219	119 121
Average Income After Taxes ¹	58 745	-293	7 669	12 247	17 102	23 935	33 136	41 899	55 922	109 392
Age Of Reference Person	49	50	50	50	49	49	49	49	49	49
Average Number In Consumer Unit										
Persons	2.7	2.1	1.8	2.2	2.2	2.4	2.4	2.4	2.8	3.1
Children under 18	0.6	0.4	0.4	0.6	0.5	0.6	0.4	0.5	0.6	0.7
Persons 65 and over	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Earners	1.8	1.0	0.6	1.0	1.2	1.4	1.6	1.7	1.9	2.3
Vehicles	2.4	1.3	1.0	1.3	1.7	1.7	2.1	2.3	2.6	3.2
CONSUMER UNIT CHARACTERISTICS										
Males	54	43	40	36	43	48	52	51	58	62
Females	46	57	60	64	57	52	48	49	42	38
PERCENT HOMEOWNER										
With mortgage	75	50	46	48	52	62	66	75	82	93
Without mortgage	56	34	20	21	27	38	44	54	65	77
Without mortgage	20	16	26	27	25	24	22	21	18	16
AVERAGE ANNUAL EXPENDITURES										
50 936	26 495	16 080	22 791	26 794	28 296	36 817	40 679	50 117	80 663	
Food										
6 637	4 586	2 859	3 378	3 815	4 372	5 586	5 788	6 881	9 390	
Food at home										
3 752	2 946	2 124	2 268	2 758	2 852	3 622	3 456	3 854	4 763	
Cereals and bakery products										
539	363	294	308	391	409	509	487	571	692	
Meats, poultry, fish, and eggs										
999	961	626	623	844	827	1 027	931	1 025	1 185	
Dairy products										
399	289	253	243	302	299	350	365	416	515	
Fruits and vegetables										
628	490	315	382	420	498	614	547	635	817	
Other food at home										
1 186	845	636	711	801	820	1 121	1 126	1 208	1 555	
Food away from home										
2 886	1 639	735	1 110	1 057	1 520	1 964	2 332	3 027	4 627	
Alcoholic Beverages										
462	376	221	185	150	210	293	323	450	769	
Housing										
15 475	10 447	6 136	8 044	9 057	9 559	11 395	12 058	14 548	23 938	
Shelter										
9 103	6 376	3 562	4 642	5 364	5 558	6 591	7 082	8 326	14 255	
Owned dwellings										
6 694	3 895	1 598	1 725	2 561	3 062	3 978	4 696	6 119	11 904	
Rented dwellings										
1 735	2 161	1 895	2 743	2 656	2 328	2 430	2 082	1 656	912	
Other lodging										
674	320	169	147	167	184	304	550	1 439		
Utilities, fuels, and public services										
3 151	2 410	1 718	2 183	2 250	2 505	2 647	2 874	3 235	4 092	
Household operations										
613	222	140	211	230	266	347	410	485	1 151	
Housekeeping supplies										
679	605	250	389	331	410	566	518	761	962	
Household furnishings and equipment										
1 929	834	466	620	881	820	1 243	1 174	1 742	3 479	
Apparel And Services										
2 274	2 015	686	875	1 640	1 165	1 397	1 970	2 380	3 485	
Transportation										
9 614	3 056	2 723	5 361	5 730	5 425	8 083	8 339	9 597	14 488	
Vehicle purchases (net outlay)										
4 453	796	³ 1 115	3 260	2 938	2 412	4 194	3 975	4 070	6 666	
Gasoline and motor oil										
1 560	832	614	726	942	1 073	1 369	1 454	1 711	2 127	
Other vehicle expenses										
3 149	1 242	891	1 177	1 587	1 757	2 328	2 647	3 364	4 878	
Public transportation										
452	186	103	197	263	183	191	262	451	817	
Health Care										
2 473	1 691	995	1 332	1 361	1 766	2 130	2 384	2 571	3 374	
Health insurance										
1 125	939	453	539	627	750	930	1 167	1 193	1 521	
Medical services										
744	325	236	324	412	413	581	655	775	1 126	
Drugs										
478	357	263	403	263	529	497	441	492	539	
Medical supplies										
126	69	43	65	59	74	122	121	111	188	
Entertainment										
2 499	1 150	622	857	1 099	1 159	1 391	1 782	2 407	4 371	
Personal Care Products And Services										
625	472	273	332	344	350	463	538	650	921	
Reading										
179	78	50	77	82	88	114	143	183	294	
Education										
1 145	386	218	352	622	257	323	514	849	2 431	
Tobacco Products And Smoking Supplies										
418	393	421	371	411	478	488	452	486	338	
Miscellaneous										
1 040	682	206	443	492	641	801	809	1 122	1 581	
Cash Contributions										
1 686	664	253	294	526	647	950	1 170	1 734	3 040	
Personal Insurance And Pensions										
6 407	499	416	890	1 462	2 179	3 405	4 410	6 259	12 243	
Life and other personal insurance										
571	312	98	253	223	235	303	390	537	1 023	
Pensions and Social Security										
5 836	187	318	637	1 239	1 944	3 102	4 020	5 721	11 220	

¹Components of income and taxes are derived from "complete income reporters" only.²Value less than 0.05.³Data are likely to have large sampling errors.

Table 8-16. Consumer Expenditures, Averages for Age Groups by Income Before Taxes, 2001–2002: Reference Person Age 55–64

Item	Complete reporting of income									
	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$69,999	\$70,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	12 087	370	904	932	754	1 452	1 526	1 295	1 950	2 904
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	52 569	1 791	7 664	12 477	17 231	24 699	34 833	44 447	58 918	117 653
Average Income After Taxes ¹	49 391	1 621	7 434	12 374	16 705	23 956	33 459	42 178	56 075	108 702
Age Of Reference Person	59	60	60	60	60	60	59	59	59	58
Average Number In Consumer Unit										
Persons	2.1	1.7	1.5	1.8	1.8	2.0	2.0	2.2	2.3	2.5
Children under 18	0.2	² 0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2
Persons 65 and over	0.1	² 0.1	⁽³⁾	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Earners	1.3	0.7	0.4	0.7	0.8	1.1	1.3	1.5	1.6	2.0
Vehicles	2.3	1.6	1.1	1.5	1.8	1.9	2.2	2.3	2.6	3.0
CONSUMER UNIT CHARACTERISTICS										
Male	54	33	34	45	44	44	53	55	60	70
Female	46	67	66	55	56	56	47	45	40	30
PERCENT HOMEOWNER										
With mortgage	42	25	21	23	27	33	41	47	50	60
Without mortgage	38	39	34	41	45	42	39	36	39	33
AVERAGE ANNUAL EXPENDITURES	45 107	26 777	17 878	22 267	29 323	30 319	38 619	41 368	51 160	75 718
Food	5 715	3 882	2 945	3 460	3 753	4 007	5 111	5 367	6 316	8 930
Food at home	3 258	2 697	2 036	2 293	2 497	2 762	3 248	3 155	3 489	4 360
Cereals and bakery products	456	404	285	322	362	400	434	414	480	621
Meats, poultry, fish, and eggs	850	718	589	638	663	710	898	881	881	1 088
Dairy products	343	259	205	216	276	312	345	332	381	448
Fruits and vegetables	589	576	346	399	459	478	590	569	615	809
Other food at home	1 019	741	611	718	738	863	981	959	1 132	1 394
Food away from home	2 457	1 184	909	1 167	1 255	1 246	1 863	2 211	2 827	4 570
Alcoholic Beverages	410	305	155	136	190	208	330	386	349	833
Housing	13 629	9 768	6 501	7 643	9 569	9 364	11 576	12 219	15 702	21 798
Shelter	7 421	4 765	3 527	4 144	5 377	4 786	6 213	6 402	7 865	12 663
Owned dwellings	5 339	2 945	1 855	2 255	3 405	2 790	4 295	4 508	5 774	10 122
Rented dwellings	1 302	1 377	1 493	1 729	1 590	1 669	1 433	1 497	1 185	760
Other lodging	780	443	179	160	381	327	485	396	907	1 780
Utilities, fuels, and public services	2 960	2 566	1 842	2 158	2 365	2 634	2 820	2 943	3 184	3 862
Household operations	546	560	165	232	277	298	342	447	536	1 114
Housekeeping supplies	842	392	344	313	452	523	650	709	2 028	902
Household furnishings and equipment	1 860	1 485	622	795	1 099	1 123	1 552	1 719	2 088	3 257
Apparel And Services	1 810	990	553	826	823	1 168	1 390	1 608	1 958	3 377
Transportation	8 457	5 079	3 678	4 068	5 574	6 406	8 256	8 556	10 134	12 481
Vehicle purchases (net outlay)	3 916	² 2 588	² 1 897	² 1 671	² 2 777	3 150	4 392	4 136	4 880	5 119
Gasoline and motor oil	1 334	771	552	755	978	1 026	1 329	1 378	1 583	1 899
Other vehicle expenses	2 664	1 396	1 013	1 419	1 621	2 041	2 211	2 631	3 066	4 293
Public transportation	542	323	215	224	199	190	324	411	605	1 171
Health Care	2 893	2 908	1 438	2 246	2 504	2 564	2 846	2 865	3 044	3 760
Health insurance	1 281	750	806	978	1 150	1 251	1 373	1 154	1 363	1 595
Medical services	828	1 587	218	516	663	576	658	794	854	1 277
Drugs	635	369	336	676	593	661	635	773	610	708
Medical supplies	149	² 201	76	76	98	76	180	144	217	180
Entertainment	2 508	974	714	831	2 832	1 465	1 895	1 850	3 186	4 379
Personal Care Products And Services	598	349	241	285	384	440	727	568	680	884
Reading	190	123	85	103	88	109	145	186	226	329
Education	493	² 30	² 30	² 77	127	95	210	381	399	1 382
Tobacco Products And Smoking Supplies	362	234	302	365	333	365	350	459	441	312
Miscellaneous	937	562	248	461	818	611	952	1 049	888	1 542
Cash Contributions	1 575	909	442	408	708	908	1 414	1 068	1 925	3 022
Personal Insurance And Pensions	5 529	663	547	1 357	1 619	2 610	3 417	4 807	5 910	12 688
Life and other personal insurance	658	537	361	572	281	365	573	552	668	1 125
Pensions and Social Security	4 871	126	186	785	1 338	2 245	2 845	4 255	5 241	11 564

¹Components of income and taxes are derived from "complete income reporters" only.

²Data are likely to have large sampling errors.

³Value less than 0.05.

**Table 8-17. Consumer Expenditures, Averages for Age Groups by Income Before Taxes, 2001–2002:
Reference Person Age 65 and Over**

Item	Complete reporting of income									
	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 to \$49,999	\$50,000 to \$69,999	\$70,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	18 013	586	2 588	3 469	2 601	3 381	1 924	1 130	1 127	1 208
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	28 638	2 335	7 908	12 405	17 410	24 259	34 404	44 719	58 683	116 596
Average Income After Taxes ¹	27 563	2 215	7 847	12 340	17 183	23 756	33 835	43 254	55 779	107 824
Age Of Reference Person	75	76	76	77	76	75	73	73	72	72
Average Number In Consumer Unit										
Persons	1.7	1.3	1.2	1.4	1.6	1.8	2.0	2.0	2.2	2.4
Children under 18	0.1	(2)	0.0	(2)	(2)	(2)	0.1	0.1	0.1	0.1
Persons 65 and over	1.3	1.2	1.1	1.2	1.4	1.5	1.5	1.5	1.6	1.5
Earners	0.5	0.3	0.1	0.2	0.2	0.4	0.6	0.8	1.0	1.4
Vehicles	1.5	1.0	0.8	1.1	1.4	1.7	1.9	2.1	2.4	2.6
CONSUMER UNIT CHARACTERISTICS										
Male	46	34	24	32	44	53	61	58	64	74
Female	54	66	76	68	56	47	39	42	36	26
PERCENT HOMEOWNER										
With mortgage	79	65	59	73	81	86	86	92	92	92
Without mortgage	18	10	10	10	14	21	21	27	29	40
Without mortgage	61	55	49	62	67	66	65	65	63	52
AVERAGE ANNUAL EXPENDITURES	28 648	17 650	14 654	18 941	23 402	29 121	32 807	40 246	47 626	67 821
Food	4 037	2 558	2 644	2 772	3 407	4 451	4 437	5 209	6 113	8 434
Food at home	2 626	2 139	1 935	2 039	2 316	2 980	2 815	3 166	3 447	4 383
Cereals and bakery products	406	347	309	330	374	457	417	477	464	679
Meats, poultry, fish, and eggs	670	620	519	518	587	784	703	775	770	1 139
Dairy products	281	191	201	211	256	321	321	340	383	445
Fruits and vegetables	516	409	364	415	429	585	558	624	755	847
Other food at home	753	572	542	565	669	833	816	951	1 075	1 273
Food away from home	1 411	420	709	733	1 092	1 471	1 622	2 043	2 666	4 051
Alcoholic Beverages	243	77	109	122	184	175	313	357	556	859
Housing	9 222	6 435	5 704	6 871	7 751	9 439	10 531	11 891	13 266	19 262
Shelter	4 753	3 345	3 003	3 580	4 079	4 752	5 069	5 879	6 718	10 618
Owned dwellings	3 132	1 720	1 394	2 001	2 573	3 358	3 343	4 326	5 123	8 050
Rented dwellings	1 231	1 361	1 564	1 428	1 305	1 059	1 166	898	803	1 031
Other lodging	390	264	45	152	200	335	560	655	792	1 537
Utilities, fuels, and public services	2 401	1 896	1 651	2 016	2 228	2 544	2 691	2 838	3 192	3 727
Household operations	633	430	268	460	382	607	1 002	1 120	767	1 452
Housekeeping supplies	501	383	352	310	414	525	641	669	886	892
Household furnishings and equipment	933	382	431	504	647	1 011	1 127	1 385	1 704	2 572
Apparel And Services	990	843	677	518	832	838	1 129	1 253	1 705	2 962
Transportation	4 590	2 575	1 583	2 864	3 735	4 646	5 819	7 753	9 066	9 569
Vehicle purchases (net outlay)	1 923	³ 995	592	1 256	1 642	1 910	2 532	3 840	3 892	3 178
Gasoline and motor oil	765	529	308	477	651	851	1 015	1 093	1 351	1 438
Other vehicle expenses	1 574	801	581	957	1 253	1 594	1 949	2 390	3 011	3 775
Public transportation	329	250	102	174	190	291	323	431	811	1 179
Health Care	3 617	2 413	1 926	2 749	3 695	4 058	4 263	4 735	5 156	5 423
Health insurance	1 837	1 254	1 066	1 427	1 938	2 087	2 108	2 427	2 406	2 511
Medical services	667	348	249	357	555	635	977	1 033	1 373	1 435
Drugs	953	660	547	833	1 060	1 145	1 002	1 027	1 172	1 217
Medical supplies	160	151	64	132	142	191	176	248	205	261
Entertainment	1 099	616	444	692	778	1 100	1 308	1 727	2 092	2 761
Personal Care Products And Services	442	283	272	296	369	480	504	657	758	780
Reading	152	104	57	105	125	172	161	210	276	334
Education	201	³ 150	³ 25	64	61	172	242	422	210	1 118
Tobacco Products And Smoking Supplies	161	101	123	113	158	190	184	203	154	268
Miscellaneous	713	591	301	407	482	819	599	824	1 335	2 267
Cash Contributions	1 773	608	624	894	1 212	1 800	1 929	2 400	3 414	6 089
Personal Insurance And Pensions	1 408	296	165	474	612	780	1 389	2 605	3 525	7 694
Life and other personal insurance	421	218	142	258	429	388	455	595	764	1 124
Pensions and Social Security	987	79	23	216	183	392	934	2 010	2 761	6 570

¹Components of income and taxes are derived from "complete income reporters" only.²Value less than 0.05.³Data are likely to have large sampling errors.

Table 8-18. Consumer Expenditures, Averages for Single Men by Income Before Taxes, 2001–2002

(Number, percent.)

Item	Complete reporting of income								
	All single men	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	14 603	12 267	1 172	1 664	1 467	1 113	1 845	1 643	3 363
CONSUMER UNIT CHARACTERISTICS									
Average Income Before Taxes ¹	31 688	31 688	1 702	7 579	12 221	17 097	24 356	34 229	70 176
Average Income After Taxes ¹	29 180	29 180	1 686	7 455	11 991	16 548	23 317	32 355	62 862
Age Of Reference Person	45	45	32	48	52	49	45	44	44
Average Number In Consumer Unit									
Persons	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Children under 18 .....	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .
Persons 65 and over	0.2	0.2	0.1	0.3	0.4	0.3	0.2	0.1	0.1
Earners	0.7	0.8	0.8	0.5	0.5	0.7	0.8	0.9	1.0
Vehicles	1.3	1.3	0.7	0.8	1.1	1.3	1.3	1.6	1.7
PERCENT DISTRIBUTION									
Male	100	100	100	100	100	100	100	100	100
Female	0	0	0	0	0	0	0	0	0
PERCENT HOMEOWNER									
45	44	19	29	43	44	41	50	61	
With mortgage	22	22	5	5	7	15	18	30	44
Without mortgage	23	22	14	24	35	28	23	21	16
AVERAGE ANNUAL EXPENDITURES	25 904	27 252	14 765	14 014	17 893	20 307	22 898	29 655	45 694
Food									
3 230	3 459	2 540	2 333	2 753	2 855	3 050	3 580	4 951	
Food at home									
1 482	1 538	977	1 164	1 509	1 420	1 508	1 671	1 856	
Cereals and bakery products									
213	222	156	183	224	220	225	226	251	
Meats, poultry, fish, and eggs									
368	379	229	295	385	345	347	457	443	
Dairy products									
159	165	110	131	163	159	160	173	197	
Fruits and vegetables									
251	258	179	175	252	226	264	271	317	
Other food at home									
490	515	303	380	485	470	513	543	649	
Food away from home									
1 749	1 921	1 562	1 169	1 244	1 435	1 542	1 909	3 095	
Alcoholic Beverages									
454	500	348	349	359	418	426	610	699	
Housing									
8 576	8 689	4 698	4 577	6 044	7 140	7 629	10 039	13 703	
Shelter									
5 671	5 682	2 911	2 970	3 600	4 876	4 822	6 216	9 376	
Owned dwellings									
2 539	2 497	693	684	1 155	1 715	1 679	2 797	5 169	
Rented dwellings									
2 816	2 860	1 862	2 102	2 259	3 038	2 994	3 183	3 554	
Other lodging									
317	325	356	184	186	123	149	236	653	
Utilities, fuels, and public services									
1 645	1 651	798	1 094	1 428	1 502	1 707	1 880	2 229	
Household operations									
218	215	85	130	156	183	214	282	308	
Housekeeping supplies									
194	215	159	137	138	200	196	280	292	
Household furnishings and equipment									
737	796	697	280	604	397	555	898	1 384	
Apparel And Services									
725	798	752	361	479	514	589	752	1 425	
Transportation									
4 863	5 075	2 470	2 574	3 580	3 645	4 456	6 053	8 202	
Vehicle purchases (net outlay)									
2 287	2 408	² 1 120	1 292	1 894	1 607	2 021	2 849	3 896	
Gasoline and motor oil									
810	821	510	462	637	712	883	1 026	1 089	
Other vehicle expenses									
1 507	1 582	718	668	897	1 172	1 379	1 979	2 682	
Public transportation									
260	264	122	153	152	153	174	199	535	
Health Care									
1 118	1 132	421	631	1 228	1 144	1 134	1 251	1 522	
Health insurance									
563	559	172	364	580	638	586	678	684	
Medical services									
302	318	103	95	286	194	252	318	595	
Drugs									
209	206	124	137	333	272	252	181	178	
Medical supplies									
45	48	21	35	29	40	45	73	65	
Entertainment									
1 345	1 413	765	716	783	916	1 112	1 356	2 610	
Personal Care Products And Services									
200	213	174	118	143	165	156	396	266	
Reading									
102	108	50	49	76	74	87	119	189	
Education									
647	629	1 622	1 041	516	481	310	372	480	
Tobacco Products And Smoking Supplies									
279	293	241	270	270	346	330	291	296	
Miscellaneous									
662	704	228	332	385	456	680	819	1 220	
Cash Contributions									
1 175	1 268	285	347	579	981	1 058	959	2 727	
Personal Insurance And Pensions									
2 528	2 971	172	314	698	1 174	1 881	3 056	7 403	
Life and other personal insurance									
181	196	² 34	70	123	226	162	166	369	
Pensions and Social Security									
2 347	2 775	138	244	575	948	1 719	2 891	7 034	

¹Components of income and taxes are derived from "complete income reporters" only.

²Data are likely to have large sampling errors.

. . . = Not available.

Table 8-19. Consumer Expenditures, Averages for Single Women by Income Before Taxes, 2001–2002

Item	Complete reporting of income								
	All single women	Complete reporting of income, total	Less than \$5,000	\$5,000 to \$9,999	\$10,000 to \$14,999	\$15,000 to \$19,999	\$20,000 to \$29,999	\$30,000 to \$39,999	\$40,000 and over
NUMBER OF CONSUMER UNITS (THOUSANDS)	18 316	15 196	1 406	3 093	2 894	1 669	2 243	1 450	2 441
CONSUMER UNIT CHARACTERISTICS									
Average Income Before Taxes ¹	22 936	22 936	2 529	7 688	12 259	17 215	24 246	34 007	62 802
Average Income After Taxes ¹	21 668	21 668	2 465	7 629	12 136	16 763	23 156	32 109	57 600
Age Of Reference Person	56	56	41	61	66	61	55	51	49
Average Number In Consumer Unit									
Persons	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Children under 18 .....	...	...	...	...	...	...	...	...	...
Persons 65 and over	0.4	0.4	0.2	0.6	0.7	0.5	0.4	0.2	0.1
Earners	0.5	0.6	0.7	0.3	0.3	0.5	0.7	0.9	0.9
Vehicles	0.9	0.9	0.6	0.6	0.7	1.0	1.1	1.1	1.2
PERCENT DISTRIBUTION									
Male	0	0	0	0	0	0	0	0	0
Female	100	100	100	100	100	100	100	100	100
PERCENT HOMEOWNER									
56	55	25	44	59	61	59	61	61	69
With mortgage	21	21	7	10	10	12	24	36	49
Without mortgage	35	34	19	34	49	50	35	25	20
AVERAGE ANNUAL EXPENDITURES	22 209	23 368	14 212	13 444	17 613	21 475	25 536	29 493	43 103
Food									
2 583	2 761	2 195	2 109	2 248	2 477	2 813	3 208	4 130	
Food at home	1 598	1 711	1 385	1 536	1 602	1 650	1 691	1 874	2 109
Cereals and bakery products	234	250	193	242	253	257	256	242	271
Meats, poultry, fish, and eggs	360	388	390	380	356	379	359	430	435
Dairy products	175	182	138	170	171	195	175	201	214
Fruits and vegetables	319	340	267	287	330	313	347	361	438
Other food at home	509	550	398	457	492	506	554	641	751
Food away from home	985	1 050	810	573	645	827	1 122	1 334	2 021
Alcoholic Beverages	173	189	108	103	113	163	133	311	395
Housing									
8 434	8 568	5 294	5 434	6 657	7 995	9 276	10 434	15 203	
Shelter	5 111	5 091	3 193	3 070	3 685	4 588	5 593	6 403	9 516
Owned dwellings	2 556	2 516	840	1 090	1 605	2 078	2 704	3 368	5 985
Rented dwellings	2 287	2 309	1 907	1 854	1 923	2 240	2 687	2 819	2 972
Other lodging	267	267	446	126	156	270	202	216	559
Utilities, fuels, and public services	1 844	1 852	1 138	1 423	1 753	1 951	2 039	2 222	2 466
Household operations	417	430	170	238	426	364	534	359	820
Housekeeping supplies	310	366	272	260	296	349	301	376	649
Household furnishings and equipment	751	829	521	442	497	744	808	1 074	1 753
Apparel And Services	1 030	1 120	1 160	599	674	993	1 083	1 584	2 060
Transportation									
3 223	3 396	1 580	1 536	2 561	3 198	4 255	4 120	6 690	
Vehicle purchases (net outlay)	1 292	1 380	2 530	596	1 194	2 123	1 789	2 139	2 856
Gasoline and motor oil	528	534	395	312	377	545	677	728	830
Other vehicle expenses	1 117	1 178	459	496	797	1 203	1 505	1 655	2 298
Public transportation	286	305	195	132	193	237	285	419	707
Health Care									
1 772	1 818	920	1 386	2 247	2 229	1 933	1 766	2 008	
Health insurance	852	865	426	744	1 103	1 086	956	748	822
Medical services	353	359	219	147	281	439	396	491	630
Drugs	480	497	234	442	717	621	489	392	436
Medical supplies	87	98	40	52	145	82	93	135	121
Entertainment	986	1 055	587	517	641	974	1 140	1 336	2 265
Personal Care Products And Services	388	424	279	246	355	396	451	520	725
Reading	115	121	68	57	102	107	142	150	230
Education	370	399	1 130	371	224	352	230	299	466
Tobacco Products And Smoking Supplies	150	156	121	151	122	153	223	187	144
Miscellaneous	478	511	324	239	350	462	515	854	976
Cash Contributions	915	973	249	432	720	1 041	1 410	1 341	1 706
Personal Insurance And Pensions									
1 592	1 877	197	265	599	933	1 933	3 382	6 104	
Life and other personal insurance	182	198	65	146	156	342	195	237	270
Pensions and Social Security	1 410	1 679	131	118	443	591	1 737	3 145	5 834

¹Components of income and taxes are derived from "complete income reporters" only.²Data are likely to have large sampling errors.

Table 8-20. Consumer Expenditures, Averages by Selected Metropolitan Statistical Areas, 2001–2002: Northeast Region

Item	All consumer units in the Northeast	New York	Philadelphia	Boston	Pittsburgh
NUMBER OF CONSUMER UNITS (THOUSANDS)	21 127	7 434	2 200	2 552	938
CONSUMER UNIT CHARACTERISTICS					
Average Income Before Taxes ¹	52 296	62 998	56 687	56 680	48 097
Age Of Reference Person	49.3	48.8	50.1	47.1	52.2
Average Number In Consumer Unit					
Persons	2.5	2.7	2.7	2.4	2.3
Children under 18	0.6	0.7	0.8	0.7	0.5
Persons 65 and over	0.3	0.3	0.3	0.3	0.4
Earners	1.3	1.4	1.4	1.4	1.3
Vehicles	1.7	1.4	1.7	1.7	1.9
PERCENT HOMEOWNER	64	56	77	61	73
AVERAGE ANNUAL EXPENDITURES	41 785	49 931	40 346	40 245	41 626
Food	5 756	6 859	5 168	5 659	5 575
Food at home	3 347	3 855	2 831	3 378	3 224
Cereals and bakery products	504	588	450	484	499
Meats, poultry, fish, and eggs	908	1 122	747	943	832
Dairy products	362	398	317	366	344
Fruits and vegetables	606	737	525	598	519
Other food at home	966	1 011	791	986	1 030
Food away from home	2 409	3 004	2 338	2 281	2 351
Alcoholic Beverages	423	454	424	477	454
Housing	14 499	18 668	14 583	14 693	12 018
Shelter	8 952	12 203	8 713	9 685	6 363
Owned dwellings	5 791	7 627	6 587	5 924	4 237
Rented dwellings	2 551	3 864	1 610	3 082	1 514
Other lodging	610	712	516	679	612
Utilities, fuels, and public services	2 793	3 004	3 114	2 668	2 844
Household operations	791	1 168	766	675	681
Housekeeping supplies	508	548	493	416	607
Household furnishings and equipment	1 455	1 745	1 497	1 249	1 523
Apparel And Services	2 017	2 840	2 175	1 480	1 700
Transportation	7 190	7 658	6 466	6 953	8 086
Vehicle purchases (net outlay)	3 083	2 917	2 341	3 021	3 857
Gasoline and motor oil	1 084	1 051	1 146	1 134	1 117
Other vehicle expenses	2 429	2 618	2 672	2 363	2 721
Public transportation	593	1 071	308	435	392
Health Care	2 146	2 277	2 068	2 056	2 339
Entertainment	2 072	2 232	2 054	2 043	2 407
Personal Care Products And Services	499	629	486	444	540
Reading	167	177	140	187	168
Education	897	1 063	801	855	1 012
Tobacco Products And Smoking Supplies	310	267	294	330	411
Miscellaneous	858	1 313	747	496	996
Cash Contributions	1 104	1 055	961	690	2 108
Personal Insurance And Pensions	3 848	4 439	3 977	3 880	3 812
Life and other personal insurance	432	403	448	259	420
Pensions and Social Security	3 415	4 005	3 529	3 621	3 392

¹Components of income and taxes are derived from "complete income reporters" only.

**Table 8-21. Consumer Expenditures, Averages by Selected Metropolitan Statistical Areas, 2001–2002:
South Region**

Item	All consumer units in the South	Washington, D.C.	Baltimore	Atlanta	Miami	Tampa	Dallas-Fort Worth	Houston
NUMBER OF CONSUMER UNITS (THOUSANDS)	39 591	1 924	996	1 766	1 564	1 020	2 071	1 758
CONSUMER UNIT CHARACTERISTICS								
Average Income Before Taxes¹	44 943	68 352	56 830	60 998	46 846	53 091	62 185	54 804
Age Of Reference Person	48.1	47.4	49.9	44.3	48.2	49.1	45.1	45.9
Average Number In Consumer Unit								
Persons	2.5	2.5	2.5	2.7	2.8	2.5	2.7	2.8
Children under 18	0.6	0.6	0.6	0.8	0.8	0.7	0.7	0.8
Persons 65 and over	0.3	0.3	0.3	0.2	0.3	0.3	0.2	0.2
Earners	1.3	1.5	1.3	1.5	1.5	1.3	1.6	1.5
Vehicles	1.9	1.7	1.7	1.9	1.6	1.9	2.0	1.9
PERCENT HOMEOWNER	68	71	68	70	63	70	64	59
AVERAGE ANNUAL EXPENDITURES	36 788	47 755	38 628	40 492	41 850	38 167	50 281	47 523
Food	5 127	5 867	5 737	4 986	5 885	3 888	7 374	6 373
Food at home	2 972	3 114	3 322	2 658	3 394	2 298	4 077	3 164
Cereals and bakery products	426	469	478	349	475	313	580	448
Meats, poultry, fish, and eggs	828	748	1 016	801	996	657	1 152	848
Dairy products	300	339	299	253	375	247	411	338
Fruits and vegetables	497	609	559	514	663	429	672	535
Other food at home	921	949	970	742	885	652	1 262	994
Food away from home	2 155	2 753	2 415	2 328	2 490	1 589	3 298	3 210
Alcoholic Beverages	290	391	426	287	400	283	393	475
Housing	11 573	18 105	13 440	14 965	15 622	13 112	15 754	15 049
Shelter	6 291	11 545	8 202	8 998	9 823	7 752	9 047	8 127
Owned dwellings	4 159	8 252	5 546	6 397	6 321	5 228	5 849	4 951
Rented dwellings	1 749	2 537	2 056	2 175	3 228	2 023	2 689	2 726
Other lodging	383	756	601	427	274	501	509	451
Utilities, fuels, and public services	2 809	2 954	2 671	3 420	3 038	2 946	3 456	3 262
Household operations	655	977	641	859	975	826	902	1 198
Housekeeping supplies	492	578	626	378	647	374	583	582
Household furnishings and equipment	1 325	2 051	1 299	1 310	1 138	1 213	1 765	1 881
Apparel And Services	1 597	2 032	2 007	1 548	1 720	1 057	2 528	2 112
Transportation	7 420	7 543	5 108	7 458	7 617	8 850	10 051	9 536
Vehicle purchases (net outlay)	3 701	3 256	1 643	3 504	3 097	4 886	5 160	4 473
Gasoline and motor oil	1 241	1 242	1 182	1 276	1 315	1 219	1 506	1 525
Other vehicle expenses	2 206	2 331	1 970	2 392	2 781	2 518	3 033	3 044
Public transportation	273	714	313	286	424	227	352	494
Health Care	2 314	2 201	1 840	2 010	1 969	2 282	2 432	2 449
Entertainment	1 678	2 711	1 760	1 401	1 579	1 591	2 201	2 516
Personal Care Products And Services	489	640	646	359	611	387	648	674
Reading	102	171	111	76	73	82	133	128
Education	485	690	714	412	982	469	385	528
Tobacco Products And Smoking Supplies	318	190	332	204	291	357	256	363
Miscellaneous	686	816	617	1 065	1 088	721	556	936
Cash Contributions	1 200	1 242	815	1 253	738	981	1 446	1 677
Personal Insurance And Pensions	3 510	5 177	5 076	4 468	3 273	4 107	6 126	4 707
Life and other personal insurance	403	503	371	515	255	411	437	412
Pensions and Social Security	3 107	4 674	4 705	3 953	3 018	3 696	5 689	4 295

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-22. Consumer Expenditures, Averages by Selected Metropolitan Statistical Areas, 2001–2002: Midwest Region

Item	All consumer units in the Midwest	Chicago	Detroit	Milwaukee	Minneapolis-St. Paul	Cleveland	Cincinnati	St. Louis	Kansas City
NUMBER OF CONSUMER UNITS (THOUSANDS)	25 863	3 072	2 072	711	1 261	1 225	911	1 004	774
CONSUMER UNIT CHARACTERISTICS									
Average Income Before Taxes¹	48 439	61 853	54 200	47 715	64 159	49 660	51 278	52 977	59 689
Age Of Reference Person	48.6	47.7	49.0	50.2	46.5	49.1	47.6	49.4	48.3
Average Number In Consumer Unit									
Persons	2.5	2.8	2.6	2.5	2.3	2.4	2.4	2.4	2.6
Children under 18	0.6	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.7
Persons 65 and over	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.3	0.3
Earners	1.4	1.5	1.3	1.4	1.5	1.4	1.3	1.3	1.5
Vehicles	2.2	1.7	2.1	1.9	2.6	1.8	1.9	1.8	2.1
PERCENT HOMEOWNER	70	69	74	59	68	74	59	69	71
AVERAGE ANNUAL EXPENDITURES	40 074	47 861	44 491	40 341	52 581	38 125	40 421	43 034	43 201
Food	5 116	5 934	5 422	5 280	6 270	4 700	5 547	5 951	5 736
Food at home	2 912	3 358	2 989	2 898	3 470	2 783	3 047	3 626	3 497
Cereals and bakery products	435	508	461	421	493	407	471	565	525
Meats, poultry, fish, and eggs	713	819	779	716	740	802	794	938	906
Dairy products	324	341	310	288	446	294	332	388	368
Fruits and vegetables	474	617	528	488	582	461	452	597	573
Other food at home	966	1 072	911	985	1 209	819	998	1 139	1 125
Food away from home	2 204	2 576	2 434	2 382	2 799	1 917	2 500	2 325	2 239
Alcoholic Beverages	378	510	421	565	575	279	410	391	322
Housing	12 549	17 239	14 663	13 968	16 668	12 698	12 912	13 220	13 962
Shelter	7 077	10 668	8 748	8 530	10 141	7 421	7 665	7 479	7 801
Owned dwellings	4 958	7 676	6 520	5 160	7 070	5 453	4 768	4 917	5 506
Rented dwellings	1 603	2 152	1 574	2 896	2 372	1 488	2 595	1 957	1 868
Other lodging	515	840	654	474	700	480	302	604	427
Utilities, fuels, and public services	2 752	3 206	2 904	2 462	2 648	3 024	2 609	2 948	3 406
Household operations	592	820	726	660	827	595	641	914	645
Housekeeping supplies	600	622	506	545	675	439	528	462	557
Household furnishings and equipment	1 528	1 922	1 779	1 772	2 377	1 219	1 469	1 417	1 553
Apparel And Services	1 712	2 458	2 337	1 861	2 017	1 722	2 099	1 885	1 484
Transportation	7 907	8 571	8 870	6 796	9 266	7 655	8 009	8 007	8 087
Vehicle purchases (net outlay)	3 765	4 061	3 376	3 007	4 104	3 470	3 932	4 023	3 579
Gasoline and motor oil	1 318	1 327	1 380	1 207	1 425	1 177	1 183	1 241	1 551
Other vehicle expenses	2 476	2 476	3 649	2 274	3 082	2 601	2 638	2 382	2 635
Public transportation	348	707	465	308	654	407	255	431	321
Health Care	2 338	2 255	2 155	2 175	2 297	1 929	2 034	2 184	2 528
Entertainment	2 182	2 463	2 356	2 084	3 457	1 950	2 050	2 078	2 239
Personal Care Products And Services	499	585	651	491	568	393	582	759	511
Reading	156	151	170	176	233	152	175	130	156
Education	703	948	694	643	793	809	725	646	541
Tobacco Products And Smoking Supplies	385	313	394	385	303	367	389	303	287
Miscellaneous	739	1 218	850	627	1 230	701	676	702	773
Cash Contributions	1 452	1 116	1 613	1 499	2 533	863	1 187	1 598	1 598
Personal Insurance And Pensions	3 959	4 102	3 896	3 790	6 371	3 907	3 626	5 110	4 978
Life and other personal insurance	461	392	383	364	699	508	382	884	417
Pensions and Social Security	3 498	3 710	3 513	3 426	5 672	3 398	3 244	4 226	4 561

¹Components of income and taxes are derived from "complete income reporters" only.

**Table 8-23. Consumer Expenditures, Averages by Selected Metropolitan Statistical Areas, 2001–2002:
West Region**

Item	All consumer units in the West	Los Angeles	San Francisco	San Diego	Portland	Seattle	Honolulu	Anchorage	Phoenix	Denver
NUMBER OF CONSUMER UNITS (THOUSANDS)	24 643	5 026	2 768	852	1 098	1 525	276	99	1 233	1 239
CONSUMER UNIT CHARACTERISTICS										
Average Income Before Taxes ¹	51 003	55 543	75 270	47 722	52 021	58 488	56 000	63 144	48 021	60 983
Age Of Reference Person	46.7	47.4	48.0	49.3	45.8	45.8	53.9	43.3	46.5	43.9
Average Number In Consumer Unit										
Persons	2.6	2.8	2.5	2.6	2.5	2.4	2.8	2.7	2.5	2.5
Children under 18	0.7	0.8	0.7	0.7	0.7	0.6	0.7	0.8	0.7	0.6
Persons 65 and over	0.3	0.3	0.3	0.3	0.2	0.2	0.5	0.1	0.3	0.2
Earners	1.4	1.5	1.4	1.3	1.4	1.5	1.4	1.6	1.4	1.5
Vehicles	2.0	1.9	1.9	1.8	2.4	2.3	1.6	2.7	1.8	2.2
PERCENT HOMEOWNER	61	55	61	55	63	64	53	61	61	64
AVERAGE ANNUAL EXPENDITURES	44 002	47 459	55 346	42 588	43 358	48 348	43 458	56 169	41 615	49 014
Food	5 590	5 883	6 453	5 036	5 203	6 019	6 418	6 993	5 252	5 819
Food at home	3 250	3 215	3 423	2 734	2 971	4 143	3 879	4 056	3 029	3 442
Cereals and bakery products	462	438	498	367	414	574	542	547	456	514
Meats, poultry, fish, and eggs	811	862	826	721	671	1 028	1 182	1 016	721	789
Dairy products	356	347	359	307	344	430	336	431	337	401
Fruits and vegetables	606	633	733	510	485	722	750	709	542	606
Other food at home	1 015	936	1 007	829	1 058	1 390	1 069	1 352	974	1 132
Food away from home	2 340	2 668	3 029	2 301	2 232	1 875	2 539	2 937	2 222	2 377
Alcoholic Beverages	410	414	605	354	493	443	489	529	473	534
Housing	15 150	17 602	21 127	17 050	15 095	16 621	14 207	17 299	13 897	16 862
Shelter	9 618	11 675	14 592	11 465	9 476	10 685	9 470	10 628	8 116	10 590
Owned dwellings	6 043	7 021	8 960	6 883	6 180	6 991	4 810	6 323	4 912	6 708
Rented dwellings	3 011	4 065	4 932	4 138	2 681	3 047	4 030	3 699	2 657	3 410
Other lodging	564	589	700	443	614	647	630	607	548	472
Utilities, fuels, and public services	2 504	2 576	2 645	2 454	2 631	2 753	2 200	2 656	2 695	2 626
Household operations	766	1 012	1 326	935	808	800	569	950	699	829
Housekeeping supplies	525	478	514	429	377	572	567	592	550	584
Household furnishings and equipment	1 737	1 861	2 050	1 767	1 804	1 811	1 402	2 472	1 837	2 232
Apparel And Services	1 786	2 001	2 245	1 435	1 586	1 753	1 597	1 992	1 537	1 712
Transportation	8 355	8 861	9 223	7 806	6 989	9 680	7 230	10 860	8 197	10 077
Vehicle purchases (net outlay)	3 808	3 923	3 962	3 424	2 673	4 424	3 040	5 242	3 632	4 676
Gasoline and motor oil	1 366	1 475	1 472	1 335	1 235	1 392	1 124	1 455	1 253	1 297
Other vehicle expenses	2 713	2 955	2 962	2 643	2 511	3 337	2 194	3 211	2 876	3 601
Public transportation	468	508	828	404	570	528	873	953	436	503
Health Care	2 221	2 031	2 349	1 884	2 353	2 326	2 365	2 484	2 241	2 393
Entertainment	2 339	2 301	2 383	1 965	2 711	2 835	2 249	4 297	2 436	2 633
Personal Care Products And Services	545	608	555	519	506	556	594	628	544	637
Reading	160	158	270	145	218	172	161	290	142	141
Education	874	826	1 073	504	750	889	1 088	729	444	617
Tobacco Products And Smoking Supplies	238	190	228	195	302	303	297	508	298	307
Miscellaneous	869	1 037	997	869	1 107	848	759	1 387	785	1 075
Cash Contributions	1 324	1 223	1 544	925	1 468	1 086	1 278	1 891	1 131	1 495
Personal Insurance And Pensions	4 141	4 325	6 294	3 903	4 577	4 816	4 727	6 280	4 238	4 713
Life and other personal insurance	340	318	357	377	326	392	641	543	387	447
Pensions and Social Security	3 801	4 007	5 936	3 526	4 251	4 424	4 086	5 737	3 851	4 265

¹Components of income and taxes are derived from "complete income reporters" only.

Table 8-24. Consumer Expenditures, Averages by Education of Reference Person, 2001–2002

Item	All consumer units	Less than college graduate					College graduate		
		Total	Less than high school graduate	High school graduate	High school graduate with some college	Associate degree	Total	Bachelor's degree	Master's, professional, doctorate
NUMBER OF CONSUMER UNITS (THOUSANDS)	112 108	82 690	17 075	31 961	23 260	10 395	29 417	19 082	10 335
CONSUMER UNIT CHARACTERISTICS									
Average Income Before Taxes¹	49 430	39 402	25 564	39 618	42 598	54 860	77 820	69 408	92 783
Average Income After Taxes¹	46 934	38 026	25 127	38 219	40 950	52 586	72 153	64 309	86 106
Age Of Reference Person	48.1	48.7	54.9	49.7	43.9	46.1	46.4	45.0	49.1
Average Number In Consumer Unit									
Persons	2.5	2.5	2.6	2.5	2.4	2.6	2.5	2.5	2.5
Children under 18	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.6
Persons 65 and over	0.3	0.3	0.5	0.3	0.2	0.2	0.2	0.2	0.2
Earners	1.4	1.3	1.1	1.3	1.4	1.5	1.5	1.5	1.5
Vehicles	2.0	1.9	1.4	2.0	1.9	2.3	2.1	2.1	2.1
PERCENT DISTRIBUTION									
Earners	51	48	47	49	48	48	59	58	60
Vehicles	49	52	53	51	52	52	41	42	40
PERCENT HOMEOWNER									
With mortgage	41	35	21	36	38	50	56	54	59
Without mortgage	26	28	36	31	21	22	19	18	22
AVERAGE ANNUAL EXPENDITURES	40 677	34 631	24 930	33 708	33 708	44 406	57 384	53 732	64 118
Food									
Food at home	3 099	2 925	2 896	2 917	2 917	3 134	3 535	3 439	3 709
Cereals and bakery products	450	424	405	422	422	462	516	499	546
Meats, poultry, fish, and eggs	798	790	843	800	800	808	819	808	838
Dairy products	328	306	298	303	298	327	375	375	404
Fruits and vegetables	552	497	523	487	523	531	646	646	768
Other food at home	970	908	827	905	928	1 006	1 126	1 111	1 153
Food away from home	2 276	1 905	1 245	1 791	2 244	2 556	3 244	3 126	3 462
Alcoholic Beverages									
Alcoholic Beverages	376	303	185	273	372	433	561	538	604
Housing									
Shelter	7 829	6 417	4 597	6 180	7 290	8 183	11 800	10 867	13 521
Owned dwellings	5 165	3 966	2 194	3 902	4 510	5 858	8 534	7 711	10 055
Rented dwellings	2 160	2 128	2 279	1 987	2 315	1 893	2 250	2 369	2 369
Other lodging	505	323	124	290	465	433	1 015	787	1 436
Utilities, fuels, and public services	2 684	2 533	2 211	2 597	2 515	2 902	3 111	3 018	3 282
Household operations	706	518	260	427	713	789	1 232	1 088	1 499
Housekeeping supplies	545	502	402	440	465	956	653	624	708
Household furnishings and equipment	1 518	1 224	819	1 156	1 353	1 814	2 315	2 162	2 598
Apparel And Services									
Apparel And Services	1 749	1 486	1 226	1 392	1 630	1 890	2 435	2 311	2 661
Transportation									
Transportation	7 759	6 947	4 826	6 983	7 743	8 546	10 035	9 678	10 694
Vehicle purchases (net outlay)	3 665	3 339	2 375	3 351	3 848	3 744	4 581	4 507	4 718
Gasoline and motor oil	1 235	1 180	902	1 212	1 229	1 430	1 390	1 355	1 453
Other vehicle expenses	2 471	2 180	1 396	2 201	2 369	2 983	3 282	3 170	3 489
Public transportation	389	248	154	218	297	389	782	645	1 033
Health Care									
Health Care	2 350	2 147	1 797	2 208	2 149	2 535	2 914	2 740	3 234
Health insurance	1 168	1 079	914	1 133	1 051	1 248	1 417	1 349	1 543
Medical services	590	498	330	489	550	680	849	764	1 005
Drugs	487	482	489	496	446	505	500	478	540
Medical supplies	105	90	64	90	102	102	148	149	146
Entertainment									
Entertainment	2 079	1 683	872	1 588	2 071	2 433	3 176	3 021	3 462
Personal Care Products And Services									
Personal Care Products And Services	526	464	350	453	530	535	691	674	724
Reading									
Reading	139	102	55	96	127	138	242	204	311
Education									
Education	752	505	120	306	953	746	1 442	1 278	1 746
Tobacco Products And Smoking Supplies									
Tobacco Products And Smoking Supplies	320	375	354	441	340	289	167	186	130
Miscellaneous									
Miscellaneous	792	696	495	624	881	839	1 060	932	1 295
Cash Contributions									
Cash Contributions	1 277	959	607	951	1 046	1 373	2 170	2 012	2 462
Personal Insurance And Pensions									
Personal Insurance And Pensions	3 899	2 937	1 614	2 886	3 364	4 314	6 600	5 834	8 017
Life and other personal insurance	406	331	204	336	366	444	618	532	778
Pensions and Social Security	3 493	2 607	1 410	2 551	2 999	3 870	5 982	5 301	7 239

¹Components of income and taxes are derived from "complete income reporters" only.

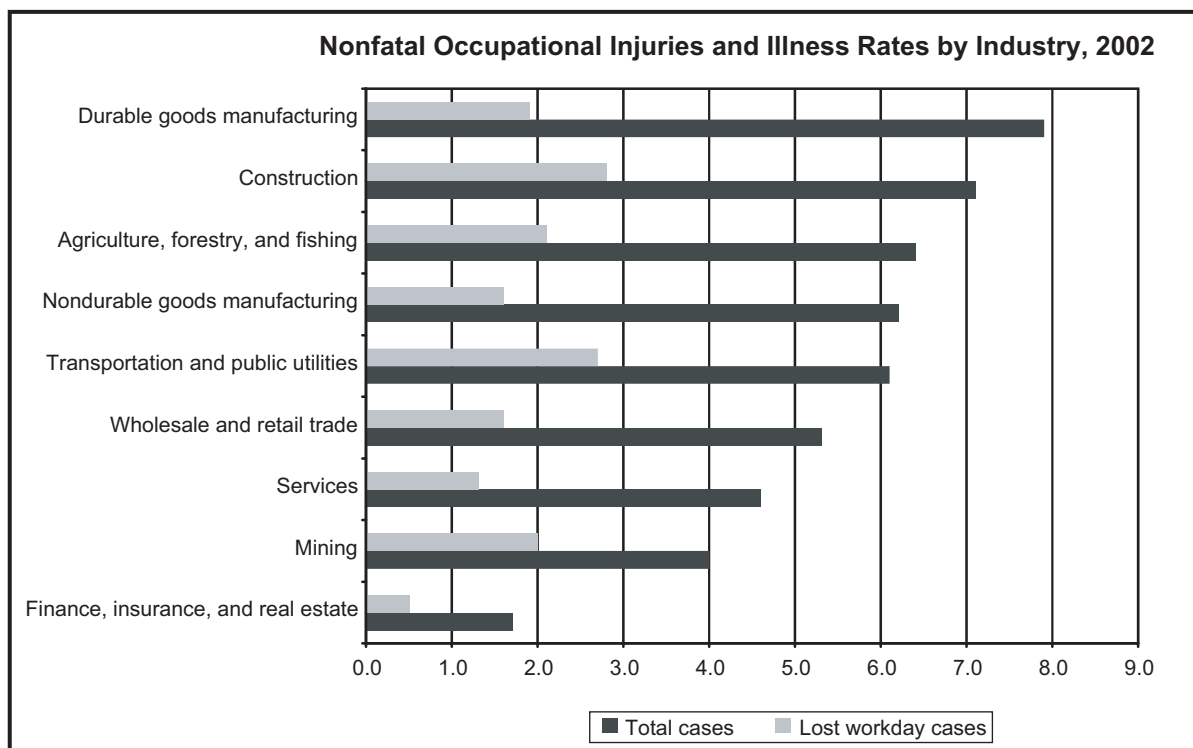
PART NINE

OCCUPATIONAL SAFETY AND HEALTH

OCCUPATIONAL SAFETY AND HEALTH

HIGHLIGHTS

The chapter includes data on work-related illnesses and fatal work injuries based on the Annual Survey of Occupational Injuries and Illnesses and the Census of Fatal Occupations. Data are classified by industry and selected worker characteristics.



In 2002, the durable goods manufacturing sector continued to have the highest incidence of non-fatal injuries and illnesses, followed by construction. However, the incidence of lost workday injuries is much lower for all industries. For this measure, construction had a rate of 2.8 compared with 1.9 for durable goods manufacturing (Table 9-1).

OTHER HIGHLIGHTS:

- Women suffered 34.9 percent of all non-fatal injuries and approximately 8 percent of all fatal injuries. (Table 9-2 and Table 9-4)
- Truck drivers had the most injuries involving days away from work, 112.2 cases, or approximately 7.8 percent of the total. (Table 9-3)
- Median days away from work involving injuries or illnesses for all workers were seven. Truck drivers had the highest amount with 13. Electricians, plumbers, repairers, and industrial truck operators each had 10. (Table 9-3)
- Transportation and material moving occupations and construction had the highest number of fatalities for any occupation. Transportation occupations suffered from 25 percent of all fatalities and construction 19 percent. Motor vehicle operators had the vast majority of fatalities in the transportation and material moving occupations. (Table 9-5)

NOTES AND DEFINITIONS

Collection and Coverage

Nonfatal occupational injuries and illnesses

The Survey of Occupational Injuries and Illnesses is a federal/state program in which employer reports were collected from about 182,800 private industry establishments in 2002 and processed by state agencies cooperating with the Bureau of Labor Statistics (BLS). The survey measures nonfatal injuries and illnesses only. The survey excludes the self-employed; farms with fewer than 11 employees; private households; federal government agencies; and, for national estimates, employees in state and local government agencies

The Bureau of Labor Statistics has reported annually on the number of days-away-from-work injuries and illnesses in private industry and the rate of such incidents since the early 1970s. The 2002 national survey marks the eleventh year that BLS has collected additional detailed information on such cases in the form of worker and case characteristics data, including lost work time. On January 19, 2001, OSHA promulgated revisions to its requirements for recording occupational injuries and illnesses. These revisions became effective January 1, 2002, and are reflected in the 2002 survey.

Due to the revised requirements, the estimates from the 2002 survey are not comparable with those from prior years. The survey was not designed to determine the impact of the revision on the estimates of nonfatal occupational injuries and illnesses.

The term “lost workdays” is eliminated and the revision requires recording of days away from work and days of restricted work or transfer to another job. In addition, the new rules for counting rely on calendar days instead of workdays. Employers are no longer required to count days away from work or days of job transfer or restriction beyond 180 days. These changes affect the calculation of median days away from work, making it non-comparable to prior years.

The number and frequency (incidence rates) of days away from work cases are based on logs and other records kept by private industry employers throughout the year. These records reflect not only the year’s injury and illness experience but also the employers’ understanding of which cases are work related under current record keeping guidelines of the U. S. Department of Labor. The number of injuries and illnesses reported in a given year also can be influenced by changes in the level of economic activity, working conditions and work practices, worker experience and training, and the number of hours worked.

Mining and railroad data are furnished to BLS by the Mine Safety and Health Administration and the Federal Railroad Administration and are therefore not comparable to other industries.

Industry data are classified according to the Standard Industrial Classification

Concepts and Definitions

Recordable occupational injuries and illnesses are: (1) nonfatal occupational illnesses; or (2) nonfatal occupational injuries that involve one or more of the following: loss of consciousness, restriction of work or motion, transfer to another job, or medical treatment (other than first aid). The annual survey measures only nonfatal injuries and illnesses. To better address fatalities, BLS implemented the Census of Fatal Occupational Injuries (see below).

Occupational injury is any injury—such as a cut, fracture, sprain, amputation, and so forth—that results from a work accident or from exposure involving a single incident in the work environment.

Occupational illness is an abnormal condition or disorder, other than one resulting from an occupational injury, caused by exposure to environmental factors associated with employment. It includes acute and chronic illness or disease that may be caused by inhalation, absorption, ingestion, or direct contact. Long-term latent illnesses can be difficult to relate to the workplace and are believed to be understated in this survey.

Days away from work are cases that involve days away from work, days of restricted work activity, or both.

The data are presented in the form of incidence rates, defined as the number of injuries and illnesses or cases of days away from work per 100 full-time employees. The formula is $(N/EH) \times 200,000$, where N=number of injuries and illnesses or days away from work, EH=total hours worked by all employees during the calendar year, and 200,000 represents the base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

Comparable data for individual states are available from the BLS Office of Safety, Health, and Working Conditions.

Fatal Occupational Injuries

Beginning in 1992, BLS has collected a comprehensive count of work-related deaths in the Census of Fatal Occupational Injuries (CFOI). The BLS fatality census

covers not only private wage and salary workers, but also workers on small farms, the self-employed and family workers, and public sector workers.

The CFOI program is a cooperative venture between the state and federal governments. The program collects and cross checks fatality information from multiple sources, including death certificates, state and federal workers' compensation reports, Occupational Safety and Health Administration and Mine Safety and Health

Administration records, medical examiner and autopsy reports, media accounts, state motor vehicle fatality records, and follow-up questionnaires to employers.

Fatality counts from the BLS Census are combined with annual average employment from the Current Population Survey to produce a fatal work injury rate.

For a fatality to be included in the CFOI, the decedent must have been employed at the time of the event and present at the site of the incident as a job requirement.

Because of the latency period of many occupational illnesses and the resulting difficulty associated with linking illnesses to work, it is difficult to compile a complete count of all fatal illnesses in a given year. Thus, information on illness related deaths are excluded from the basic fatality count.

Industries are classified according to the North American Industry Classification system (NAICS) and occupations according to the Standard Occupational System (SOC).

Sources of Additional Information

For more extensive definitions and description of collection methods see BLS news release USDL 04-460 for illnesses, USDL 04-1830 for fatalities, occasional articles in *Compensation, and Working Conditions*, and BLS Report 954.

Table 9-1. Incidence Rates of Nonfatal Occupational Injuries and Illnesses by Selected Industries and Case Types, 2002

(Number.)

Industry ¹	SIC code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
PRIVATE INDUSTRY⁴		5.3	2.8	1.6	1.2	2.5
Agriculture, forestry, and fishing ⁴		6.4	3.3	2.1	1.2	3.1
Agricultural production ⁴	01-02	7.0	3.8	2.2	1.6	3.2
Agricultural production-crops ⁴	01	6.2	3.5	2.0	1.5	2.7
Agricultural production-livestock ⁴	02	9.0	4.7	2.8	1.9	4.4
Agricultural services	07	6.1	3.0	2.1	0.9	3.1
Forestry	08	5.2	2.4	1.4	0.9	2.8
Fishing, hunting, and trapping	09	4.5	1.2	1.1	0.1	3.4
Mining		4.0	2.6	2.0	0.7	1.4
Metal mining	10	4.1	2.3	1.6	0.7	1.7
Coal mining	12	6.8	4.9	4.6	0.3	1.9
Oil and gas extraction	13	3.4	2.2	1.5	0.7	1.3
Nonmetallic minerals, except fuels	14	3.8	2.6	1.7	0.9	1.2
Construction		7.1	3.8	2.8	1.1	3.2
General building contractors	15	6.2	3.2	2.3	0.9	2.9
Heavy construction, except building	16	6.4	3.7	2.4	1.3	2.7
Special trade contractors	17	7.5	4.1	3.0	1.1	3.5
Manufacturing		7.2	4.1	1.7	2.3	3.1
Durable goods		7.9	4.3	1.9	2.4	3.6
Lumber and wood products	24	10.1	5.7	2.9	2.8	4.4
Furniture and fixtures	25	9.9	6.0	2.2	3.8	3.9
Stone, clay, and glass products	32	9.4	5.4	2.6	2.8	4.0
Primary metal industries	33	10.3	5.5	2.5	3.0	4.8
Fabricated metal products	34	9.8	5.1	2.4	2.7	4.7
Industrial machinery and equipment	35	6.7	3.3	1.6	1.7	3.4
Electronic and other electric equipment	36	4.5	2.4	1.0	1.3	2.1
Transportation equipment	37	10.1	5.8	1.9	3.9	4.3
Instruments and related products	38	3.3	1.9	0.8	1.1	1.5
Miscellaneous manufacturing industries	39	6.2	3.4	1.7	1.7	2.8
Nondurable goods		6.2	3.8	1.6	2.2	2.5
Food and kindred products	20	9.3	6.1	2.2	3.9	3.2
Tobacco products	21	4.0	2.1	1.3	0.7	1.9
Textile mill products	22	5.2	3.0	0.9	2.1	2.2
Apparel and other textile products	23	4.6	2.7	1.2	1.6	1.8
Paper and allied products	26	5.6	3.1	1.7	1.5	2.4
Printing and publishing	27	4.0	2.2	1.2	1.1	1.8
Chemicals and allied products	28	3.3	1.9	0.8	1.1	1.4
Petroleum and coal products	29	3.6	2.2	1.3	0.8	1.4
Rubber and miscellaneous plastics products	30	8.8	5.1	2.2	2.9	3.6
Leather and leather products	31	7.3	4.3	1.7	2.7	3.0
Transportation and public utilities ⁵		6.1	4.0	2.7	1.3	2.1
Railroad transportation ⁵	40	3.0	2.3	2.1	0.2	0.7
Local and interurban passenger transit	41	7.9	4.6	3.3	1.3	3.4
Trucking and warehousing	42	7.0	4.6	3.3	1.3	2.4
Water transportation	44	6.8	4.4	3.2	...	...
Transportation by air	45	11.8	8.4	5.2	3.2	3.4
Transportation services	47	2.9	1.7	1.0	0.7	1.2
Communications	48	3.0	2.0	1.4	0.5	1.0
Electric, gas, and sanitary services	49	5.0	2.8	1.5	1.3	2.2
Wholesale and retail trade		5.3	2.7	1.6	1.1	2.6
Wholesale trade		5.2	3.1	1.7	1.3	2.1
Wholesale trade-durable goods	50	4.5	2.5	1.5	1.0	2.0
Wholesale trade-nondurable goods	51	6.1	3.9	2.2	1.7	2.2
Retail trade		5.3	2.5	1.5	1.0	2.7
Building materials and garden supplies	52	7.2	4.3	2.5	1.8	2.9
General merchandise stores	53	7.7	4.7	2.2	2.5	2.9
Food stores	54	6.8	3.4	2.1	1.2	3.4
Automotive dealers and service stations	55	5.1	2.2	1.6	0.6	2.8
Apparel and accessory stores	56	3.0	1.3	0.8	0.5	1.6

¹Totals include data for industries not shown separately.²Standard Industrial Classification Manual, 1997.³Days-away-from-work cases include those which result in days away from work with or without job transfer or restriction.⁴Excludes farms with fewer than 11 employees.⁵Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore, estimates for these industries are not comparable with estimates for other industries.

... = Not available.

Table 9-1. Incidence Rates of Nonfatal Occupational Injuries and Illnesses by Selected Industries and Case Types, 2002—Continued

(Number.)

Industry ¹	SIC code ²	Total recordable cases	Cases with days away from work, job transfer, or restriction			Other recordable cases
			Total	Cases with days away from work ³	Cases with job transfer or restriction	
<i>Retail trade—Continued</i>						
Furniture and home furnishings stores	57	4.2	2.3	1.4	0.9	1.9
Eating and drinking places	58	4.6	1.6	1.1	0.5	3.0
Miscellaneous retail	59	3.6	1.9	1.1	0.8	1.7
<i>Finance, insurance, and real estate</i>						
Depository institutions	60	1.7	0.8	0.5	0.2	0.9
Nondepository institutions	61	1.5	0.6	0.4	0.1	0.9
Security and commodity brokers	62	1.0	0.4	0.3	0.1	0.5
Insurance carriers	63	0.5	0.2	0.1	(6)	0.3
Insurance agents, brokers, and service	64	1.6	0.6	0.4	0.2	1.0
Real estate	65	0.9	0.3	0.2	0.1	0.6
Holding and other investment offices	67	3.5	1.9	1.3	0.7	1.6
.....		1.8	0.6	0.5	0.1	...
<i>Services</i>						
Hotels and other lodging places	70	4.6	2.2	1.3	0.9	2.4
Personal services	72	6.6	3.4	1.8	1.5	3.2
Business services	73	3.0	1.8	1.1	0.7	1.2
Auto repair, services, and parking	75	2.7	1.3	0.9	0.4	1.4
Miscellaneous repair services	76	4.5	2.2	1.6	0.6	2.3
.....		4.9	2.7	2.0	0.8	2.2
Motion pictures	78	2.2	0.9	0.7	0.2	1.3
Amusement and recreation services	79	6.3	3.2	1.7	1.5	3.1
Health services	80	7.4	3.4	2.0	1.5	4.0
Legal services	81	0.8	0.3	0.2	0.1	0.4
Educational services	82	2.8	1.3	0.8	0.5	1.5
Social services	83	5.5	2.9	1.8	1.1	2.6
Museums, botanical, zoological gardens	84	4.9	2.6	1.6	0.9	2.3
Membership organizations	86	2.6	1.1	0.8	0.3	1.5
Engineering and management services	87	1.5	0.7	0.5	0.2	0.8

Note: Because of rounding, components may not add to totals.

¹Totals include data for industries not shown separately.

²Standard Industrial Classification Manual, 1997.

³Days-away-from-work cases include those which result in days away from work with or without job transfer or restriction.

⁶Incidence rates less than 0.05.

... = Not available.

Table 9-2. Number of Nonfatal Occupational Injuries and Illnesses Involving Days Away from Work¹ by Selected Worker Characteristics and Industry Division, Private Industry, 2002

(Numbers in thousands.)

Characteristic	Total cases	Goods producing				Service producing				
		Agriculture, forestry, and fishing ²	Mining ³	Construction	Manufacturing	Transportation and public utilities ⁴	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services
TOTAL CASES	1 436.2	31.5	11.4	163.6	280.0	168.6	108.8	263.4	36.7	372.2
Sex										
Men	930.9	25.1	11.1	159.6	214.7	130.0	92.3	144.8	17.9	135.5
Women	500.6	6.4	0.2	4.0	65.3	34.0	16.5	118.6	18.8	236.7
Age⁵										
14 to 15 years	0.2	...	...	...	...	...	...	0.1	...	...
16 to 19 years	38.4	1.0	0.2	3.1	4.3	1.6	2.0	16.4	0.4	9.5
20 to 24 years	159.2	5.4	1.4	21.7	24.1	11.9	10.8	43.4	2.8	37.6
25 to 34 years	358.4	9.8	2.9	49.7	65.9	41.1	29.8	64.0	8.1	86.9
35 to 44 years	400.9	8.3	3.0	49.4	80.7	53.0	31.6	63.2	10.5	101.2
45 to 54 years	305.0	4.7	2.7	26.6	67.9	41.1	23.2	46.2	8.8	83.7
55 to 64 years	143.5	1.7	0.9	10.4	32.7	17.6	9.2	22.3	5.1	43.5
65 and over	25.1	0.5	0.1	1.4	3.3	1.7	1.9	6.9	0.9	8.5
Occupation										
Managerial and professional specialty	93.0	0.5	0.2	2.7	4.6	3.6	3.8	9.3	5.7	62.6
Technical, sales, and administrative support	239.4	1.4	0.1	4.5	16.7	27.7	17.8	92.1	15.9	63.1
Service	270.3	0.5	(6)	0.5	6.0	9.9	1.6	67.9	8.2	175.6
Farming, forestry, and fishing	35.6	22.9	...	0.4	2.0	0.7	1.3	1.2	1.7	5.5
Precision production, craft, and repair	242.8	1.1	5.8	94.9	49.4	27.3	13.0	24.7	3.7	22.7
Operators, fabricators, and laborers	552.9	5.1	5.3	60.4	200.7	99.1	71.1	67.8	1.5	42.0
Length Of Service With Employer										
Less than 3 months	176.7	7.2	1.8	29.9	28.8	13.0	12.0	38.3	2.2	43.4
3 to 11 months	290.3	8.0	2.5	40.0	40.8	25.3	21.2	61.7	7.7	83.2
1 to 5 years	534.2	10.7	3.7	59.2	94.6	59.5	44.7	100.9	15.8	145.1
More than 5 years	422.3	5.5	3.1	33.3	114.7	65.8	30.2	60.9	10.8	98.2
Not reported	12.7	0.1	0.3	1.2	1.1	5.2	0.6	1.6	0.2	2.3
Race Or Ethnic Origin										
White, non-Hispanic	688.0	12.7	2.4	98.7	150.2	53.4	58.9	125.1	15.1	171.5
Black, non-Hispanic	114.5	1.1	0.2	7.1	22.5	9.2	9.3	16.2	3.0	45.9
Hispanic	180.4	13.8	1.3	26.1	39.5	10.8	15.5	28.8	4.6	39.9
Asian or Pacific Islander	22.1	0.4	(6)	1.2	5.2	1.3	1.6	3.2	1.0	8.3
American Indian or Alaskan Native	8.2	0.1	(6)	1.0	1.2	0.6	0.6	2.1	0.4	2.3
Multi-race	2.7	0.1	...	0.2	0.3	0.6	0.2	0.4	0.2	0.6
Not reported	420.3	3.3	7.4	29.3	61.1	92.7	22.7	87.6	12.4	103.8

Note: Because of rounding and nonclassifiable responses, components may not add to totals.

¹Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

²Exclude farms with fewer than 11 employees.

³Data for mining include establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in oil and gas extraction. Data for mining operators in coal, metal, and nonmetal mining are provided to BLS by the Mine Safety and Health Administration, U.S. Department of Labor. Independent mining contractor are excluded from the coal, metal, and nonmetal mining industries. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁴Data for employers in railroad transportation are provided to BLS by the Federal Railroad Administration, U.S. Department of Transportation. These data do not reflect the changes OSHA made to its recordkeeping requirements effective January 1, 2002; therefore estimates for these industries are not comparable with estimates for other industries.

⁵Information is not shown separately for injured workers under age 14; they accounted for fewer than 50 cases.

⁶Fewer than 50 cases.

... = Not available.

Table 9-3. Number and Percent Distribution of Nonfatal Occupational Injuries and Illnesses Involving Days Away from Work¹ by Selected Occupation and Number of Days Away from Work, Private Industry, 2002

(Numbers, percent, days.)

Occupation	Total cases ²	Total percent of cases	Percent of days-away-from-work-cases involving							Median days away from work
			1 day	2 days	3 to 5 days	6 to 10 days	11 to 20 days	21 to 30 days	31 days and over	
TOTAL CASES	1 436.2	100.0	15.0	11.2	18.6	12.4	11.0	6.7	25.1	7
Truck drivers	112.2	100.0	9.3	7.6	15.8	14.3	11.5	8.0	33.5	13
Nursing aides, orderlies	79.0	100.0	16.0	11.5	22.0	15.4	10.5	6.2	18.5	6
Laborers, nonconstruction	76.6	100.0	15.5	11.0	18.8	13.4	11.2	7.7	22.4	7
Janitors and cleaners	42.0	100.0	13.2	13.7	20.5	10.9	12.3	6.0	23.4	7
Construction laborers	41.9	100.0	12.5	10.1	18.5	11.2	12.0	8.1	27.5	9
Assemblers	34.4	100.0	15.2	10.5	16.7	11.7	11.5	7.0	27.5	8
Carpenters	28.3	100.0	13.2	11.4	17.9	11.4	10.7	7.3	28.0	9
Supervisors and proprietors, sales	26.1	100.0	14.0	12.4	19.3	15.8	10.4	4.6	23.5	6
Cooks	24.7	100.0	16.9	14.6	21.0	13.5	7.8	3.9	22.3	5
Sales workers, other commodities	24.7	100.0	16.8	12.1	22.4	9.8	10.3	6.1	22.5	5
Cashiers	22.5	100.0	18.0	10.5	20.2	12.4	8.9	4.7	25.3	6
Registered nurses	21.9	100.0	16.2	12.5	19.1	12.8	11.9	6.2	21.3	6
Miscellaneous food preparation	21.8	100.0	13.0	20.2	22.3	12.0	9.6	5.7	17.2	5
Stock handlers and baggers	21.5	100.0	16.2	13.5	21.6	11.3	10.4	5.7	21.4	5
Maids and housemen	18.6	100.0	11.9	15.2	20.9	10.5	9.2	5.7	26.5	6
Welders and cutters	15.2	100.0	20.7	13.8	19.6	8.8	9.6	5.1	22.4	5
Groundskeepers and gardeners, except farm	14.9	100.0	17.5	14.8	21.6	9.0	9.8	4.1	23.2	5
Electricians	14.4	100.0	17.8	9.3	16.0	7.6	12.2	8.4	28.5	10
Driver-sales workers	13.9	100.0	13.3	8.5	19.4	14.2	12.8	6.6	25.3	8
Shipping and receiving clerks	13.5	100.0	17.8	10.7	19.4	10.7	9.8	6.6	24.9	6
Mechanics, automobile	13.3	100.0	20.7	10.0	18.7	12.0	10.0	7.6	20.9	6
Kitchen workers	12.1	100.0	14.9	17.9	19.9	14.3	9.6	4.1	19.4	5
Plumbers, pipefitters, and steamfitters	10.6	100.0	15.9	9.4	16.8	11.2	9.2	8.7	28.8	10
Health aides, except nursing	10.5	100.0	22.2	16.0	20.2	10.4	10.4	5.2	15.7	4
Waiters and waitresses	10.4	100.0	23.4	11.6	15.0	12.1	14.5	6.3	17.1	5
Farm workers	10.1	100.0	11.5	13.0	21.4	12.0	13.6	8.7	19.8	7
Repairers, industrial machinery	10.0	100.0	15.3	10.2	15.3	9.7	12.3	7.6	29.6	10
Guards and police, except public	9.0	100.0	16.4	13.4	17.1	13.6	11.4	4.4	23.7	7
Industrial truck operators	8.9	100.0	10.0	8.6	18.4	13.7	11.3	6.7	31.3	10
Stock and inventory clerks	8.7	100.0	16.1	10.1	18.1	10.7	11.9	3.9	29.1	8
Supervisors, production workers	8.4	100.0	17.4	13.8	15.9	11.2	15.3	5.7	20.7	7
Mechanics, bus, truck, stationary engine	8.3	100.0	15.7	10.4	16.9	8.8	12.7	7.9	27.5	9
Licensed practical nurses	7.8	100.0	15.8	18.9	21.5	11.4	8.3	3.9	20.2	4
Heating, air conditioning, and refrigeration mechanics	7.3	100.0	13.4	15.5	15.4	11.3	7.7	7.5	29.3	8
Machinists	7.2	100.0	16.3	10.0	17.9	10.5	11.4	8.2	25.6	8
General office clerks	7.0	100.0	21.5	11.8	15.8	10.7	7.1	7.2	25.9	6
Hand packers and packagers	7.0	100.0	13.8	10.9	20.7	9.7	9.5	5.2	30.3	7
Garage and service station related occupations	6.9	100.0	12.8	13.9	22.0	11.8	10.8	6.9	21.8	6

Note: Because of rounding and nonclassifiable responses, percentages may not add to 100.

¹Days-away-from-work cases include those which result in days away from work with or without restricted work activity.

²Exclude farms with fewer than 11 employees.

Table 9-4. Fatal Occupational Injuries by Selected Worker Characteristics and Selected Event or Exposure, 2003

Characteristics	Fatalities		Selected event or exposure ¹ (percent of total for characteristic category)			
	Number	Percent	Highway ²	Homicides	Falls	Struck by object
TOTAL	5 559	100	24	11	12	10
Employee Status						
Wage and salary workers ³	4 392	79	27	10	13	9
Self-employed ⁴	1 167	21	13	16	12	11
Sex And Age						
Men	5 115	92	24	10	13	10
Women	444	8	31	27	9	1
Both sexes, by age ⁵						
Under 16 years	25	(6)	24	...	...	...
16 to 17 years	28	1	25	...	...	11
18 to 19 years	84	2	24	12	11	14
20 to 24 years	461	8	23	14	9	8
25 to 34 years	1 016	18	26	14	10	8
35 to 44 years	1 324	24	24	12	11	10
45 to 54 years	1 298	23	27	11	14	10
55 to 64 years	801	14	23	8	15	9
65 and over	519	9	20	9	17	11
Race or ethnic origin ⁷						
White	3 976	72	26	8	12	9
Black	542	10	28	22	9	7
Hispanic	791	14	17	13	16	13
American Indian, Aleut, Eskimo	42	1	21	12	14	19
Asian	147	3	10	50	7	4
Pacific Islander	11	(6)	...	...	27	...
Multiple races	3	(6)	...	...	...	...
Other or not reported	47	1	23	34	6	6

Note: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding.

¹The figure shown is the percent of the total fatalities for that demographic group.

²"Highway" includes deaths to vehicle occupants resulting from traffic incidents that occur on the public roadway, shoulder, or surrounding area. It excludes incidents occurring entirely off the roadway, such as in parking lots and on farms. Incidents involving trains and deaths to pedestrians or other nonpassengers are excluded from both categories. "Nonhighway" includes transport related deaths of vehicle occupants that occur or originate entirely off the road. Incidents involving trains; and deaths to pedestrians or other non-passengers are excluded from both categories.

³May include volunteers and other workers receiving compensation.

⁴Includes paid and unpaid family workers, and may include owners of incorporated businesses, or members of partnerships.

⁵There were three fatalities for which there was insufficient information to determine the age of the decedent.

⁶Less than or equal to 0.5 percent.

⁷Persons identified as Hispanic may be of any race. The individual racial categories shown exclude data for Hispanics.

... = Not available.

Table 9-5. Fatal Occupational Injuries by Occupation and Selected Event or Exposure, 2003

Occupation ¹	Fatalities		Selected event or exposure ² (percent of total for characteristic category)			
	Number	Percent	Highway ³	Homicide	Falls	Struck by object
TOTAL	5 559	100	24	11	12	10
Management occupations	630	11	16	10	8	11
Top executives	40	1	25	15	10	8
Advertising, marketing, promotions, public relations, and sales managers	14	(4)	64	...	...	...
Operations specialties managers	34	1	26	18	9	...
Other management occupations	542	10	13	9	8	12
Business and financial operations occupations	32	1	31	12	12	...
Business operations specialists	11	(4)	...	...	27	...
Financial specialists	21	(4)	38	14	...	...
Computer and mathematical occupations	8	(4)	50	...	...	...
Computer specialists	7	(4)	57	...	...	...
Architecture and engineering occupations	54	1	28	...	11	6
Architects, surveyors, and cartographers	7	(4)	...	...	...	...
Engineers	28	1	32	...	...	...
Drafters, engineering, and mapping technicians	19	(4)	32	...	...	...
Life, physical, and social science occupations	20	(4)	20	...	...	...
Life scientists	8	(4)	...	...	...	...
Physical scientists	4	(4)	...	...	...	...
Life, physical, and social science technicians	7	(4)	...	...	...	...
Community and social services occupations	29	1	55	10	...	...
Counselors, social workers, and other community and social service specialists	16	(4)	62	...	...	...
Religious workers	13	(4)	46	23	...	...
Legal occupations	15	(4)	...	...	...	...
Lawyers, judges, and related workers	11	(4)	...	...	...	...
Legal support workers	4	(4)	...	...	...	...
Education, training, and library occupations	30	1	53	...	17	...
Postsecondary teachers	10	(4)	40	...	...	...
Primary, secondary, and special education school teachers	10	(4)	50	...	...	...
Other teachers and instructors	3	(4)	...	...	...	...
Librarians, curators, and archivists	4	(4)	...	...	...	...
Other education, training, and library occupations	3	(4)	100	...	...	...
Arts, design, entertainment, sports, and media occupations	58	1	21	...	9	...
Art and design workers	10	(4)	...	...	...	...
Entertainers and performers, sports and related workers	30	1	17	...	...	...
Media and communication workers	12	(4)	50	...	...	...
Media and communication equipment workers	6	(4)	...	...	...	...
Healthcare practitioners and technical occupations	49	1	35	12	6	...
Health diagnosing and treating practitioners	30	1	17	17	...	...
Health technologists and technicians	16	(4)	69	...	...	...
Other healthcare practitioners and technical occupations	3	(4)	...	...	...	...
Healthcare support occupations	20	(4)	25	30	30	...
Nursing, psychiatric, and home health aides	14	(4)	21	29	43	...
Other healthcare support occupations	5	(4)	...	...	...	...
Protective service occupations	312	6	34	30	4	1
First-line supervisors, managers, and protective service workers	24	(4)	38	29	...	...
Fire fighting and prevention workers	45	1	47	...	...	...
Law enforcement workers	153	3	43	33	2	...
Other protective service workers	90	2	10	41	7	...
Food preparation and serving related occupations	71	1	8	58	14	...
Supervisors, food preparation and serving workers	20	(4)	20	70	...	...
Cooks and food preparation workers	18	(4)	...	50	...	...
Food and beverage serving workers	27	(4)	...	59	15	...
Other food preparation and serving related workers	6	(4)	...	...	67	...
Building and grounds cleaning and maintenance occupations	246	4	13	4	25	21
Supervisors, building and grounds cleaning and maintenance workers	41	1	12	...	20	27
Building cleaning and pest control workers	49	1	6	14	39	...
Grounds maintenance workers	156	3	15	2	22	25

¹Based on the 2000 Standard Occupational Classification System.
²The figure shown is the percentage of the total fatalities for that occupation group.
³"Highway" includes deaths to vehicle occupants resulting from traffic incidents that occur on the public roadway, shoulder, or surrounding area. It excludes incidents occurring entirely off the roadway, such as in parking lots and on farms; incidents involving trains; and deaths to pedestrians or other nonpassengers.
⁴Less than or equal to 0.5 percent.
 ... = Not available.

Table 9-5. Fatal Occupational Injuries by Occupation and Selected Event or Exposure, 2003—Continued

Occupation ¹	Fatalities		Selected event or exposure ² (percent of total for characteristic category)			
	Number	Percent	Highway ³	Homicide	Falls	Struck by object
Personal care and service occupations	53	1	11	21	6	...
Animal care and service workers	18	(4)	...	...	...	...
Entertainment attendants and related workers	10	(4)	...	...	...	...
Personal appearance workers	7	(4)	...	71	...	...
Transportation, tourism, and lodging attendants	5	(4)	...	...	...	...
Other personal care and service workers	10	(4)	...	40	...	...
Sales and related occupations	349	6	21	52	5	2
Supervisors, sales workers	161	3	16	53	5	2
Retail sales workers	107	2	7	73	6	...
Sales representatives, services	14	(4)	50	...	...	...
Sales representatives, wholesale and manufacturing	27	(4)	74	...	...	...
Other sales and related workers	40	1	35	40	...	...
Office and administrative support occupations	112	2	30	33	10	3
Supervisors, office and administrative support workers	7	(4)	...	...	43	...
Financial clerks	11	(4)	...	45	...	...
Information and record clerks	11	(4)	...	55	...	...
Material recording, scheduling, dispatching, and distributing workers	56	1	45	25	5	5
Secretaries and administrative assistants	10	(4)	...	50	...	...
Other office and administrative support workers	17	(4)	18	29	...	...
Farming, fishing, and forestry occupations	305	5	11	3	4	29
Supervisors, farming, fishing, and forestry workers	11	(4)	...	...	...	55
Agricultural workers	137	2	18	6	5	7
Fishing and hunting workers	50	1	...	...	...	...
Forest, conservation, and logging workers	107	2	7	...	4	69
Construction and extraction occupations	1 033	19	12	2	32	11
Supervisors, construction and extraction workers	111	2	12	3	26	12
Construction trades workers	784	14	11	2	35	10
Helpers, construction trades	26	(4)	...	...	27	12
Other construction and related workers	44	1	18	...	30	...
Extraction workers	68	1	13	...	6	26
Installation, maintenance, and repair occupations	395	7	10	7	17	14
Supervisors of installation, maintenance and repair	34	1	12	18	24	18
Electrical and electronic equipment mechanics, installers, and repairers	20	(4)	25	...	30	...
Vehicle and mobile equipment mechanics, installers, and repairers	122	2	9	14	6	22
Other installation, maintenance, and repair occupations	219	4	9	1	21	10
Production occupations	282	5	6	10	7	13
Assemblers and fabricators	34	1	...	15	...	18
Food processing workers	14	(4)	...	29	...	...
Metal workers and plastic workers	83	1	4	4	10	20
Textile, apparel, and furnishings workers	7	(4)	...	43	...	...
Woodworkers	7	(4)	...	...	...	57
Plant and system operators	15	(4)	...	...	...	...
Other production occupations	84	2	6	6	5	6
Transportation and material moving occupations	1 388	25	49	6	5	6
Supervisors, transportation, and material moving workers	16	(4)	19	19	19	19
Air transportation workers	113	2	...	...	...	...
Motor vehicle operators	955	17	66	7	3	5
Rail transportation workers	16	(4)	...	...	...	...
Water transportation workers	26	(4)	...	...	...	12
Other transportation workers	12	(4)	...	25	...	...
Material moving workers	250	4	15	4	11	14
Military occupations	62	1	13	...	...	8

Note: Totals for major categories may include subcategories not shown separately. Percentages may not add to totals because of rounding.

¹Based on the 2000 Standard Occupational Classification System.

²The figure shown is the percentage of the total fatalities for that occupation group.

³"Highway" includes deaths to vehicle occupants resulting from traffic incidents that occur on the public roadway, shoulder, or surrounding area. It excludes incidents occurring entirely off the roadway, such as in parking lots and on farms; incidents involving trains; and deaths to pedestrians or other nonpassengers.

⁴Less than or equal to 0.5 percent.

... = Not available.

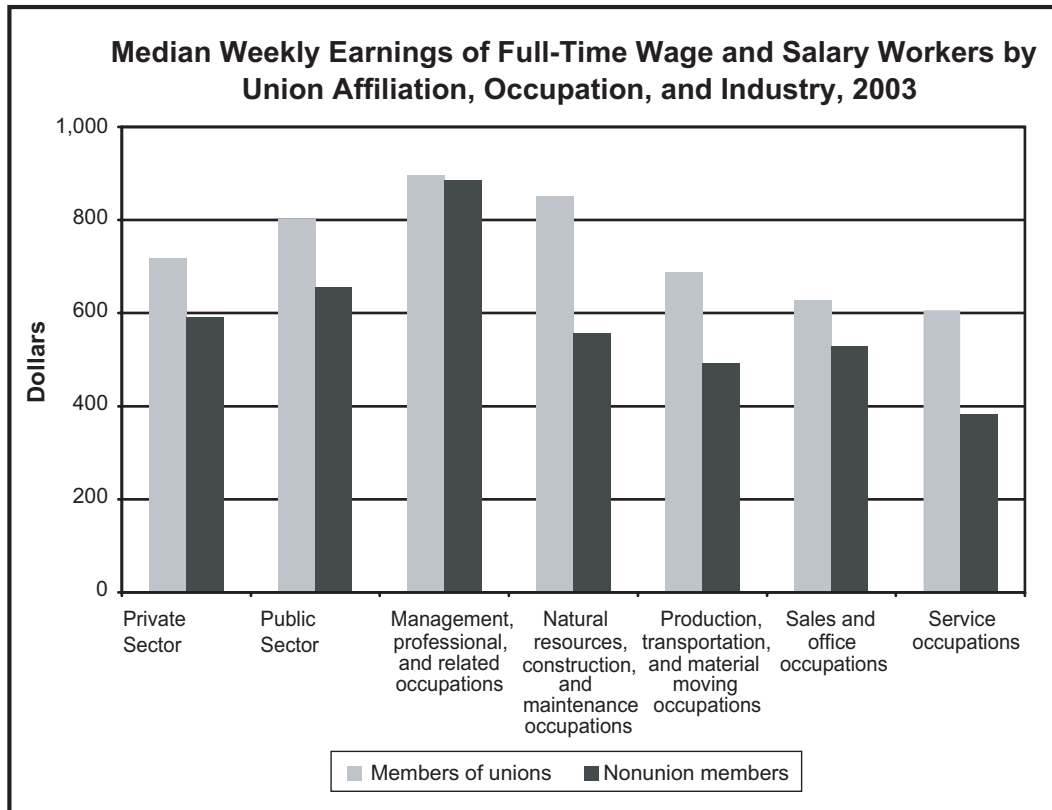
PART TEN

LABOR MANAGEMENT RELATIONS

LABOR MANAGEMENT RELATIONS

HIGHLIGHTS

This chapter contains information on historical trends in union membership and earnings and work stoppages.



In both the private and public sectors workers union members had wages over 20 percent higher than those of non-union workers. In service and natural resource occupations, union wages were over 50 percent higher. Service occupations include healthcare support, protective services, food preparation, building and grounds cleaning, and personal care occupations. Natural resource occupations include farming, fishing, and forestry, construction and extraction, and installation, maintenance, and repair occupations. (Table 10-4)

OTHER HIGHLIGHTS:

- Though the number of work stoppages in 2003 declined, the number of workers involved rose. However, the number was still low by historical standards. (Table 10-1)
- The proportion of employed workers who were members of unions continued to decline, from 13.3 percent to 12.9 percent. (Table 10-2)
- Men had a higher rate of union membership than women, 14.3 percent compared with 11.4 percent. (Table 10-2)
- Over 40 percent of government workers were represented by unions compared with only 9 percent in the private sector. This is reflected in a relatively high proportion of union membership in education and protective service occupations. The former includes teachers and the latter, policemen and firemen. (Table 10-3)
- In Alaska, Hawaii, Michigan, and New York over 20 percent of employed workers were union members in 2003. (Table 10-6)

NOTES AND DEFINITIONS

WORK STOPPAGES

Collection and Coverage

Data on work stoppages measure the number and duration of major strikes or lockouts (involving 1,000 workers or more) occurring during the year, the number of workers involved, and the amount of time lost because of stoppage.

Data are largely from newspaper accounts and cover only establishments directly involved in a stoppage. They do not measure the indirect or secondary effect of stoppages on other establishments whose employees are idle owing to material shortages or lack of service.

The current series is not comparable with the one terminated in 1981, which covered strikes involving six workers or more.

Concepts and Definitions

Stoppages are strikes and lockouts involving 1,000 workers or more and lasting a full shift or longer.

Workers involved are workers directly involved in the stoppage.

Number of days idle is the aggregate number of workdays lost by workers involved in the stoppages.

Days of idleness as a percent of estimated working time is aggregate workdays lost as a percent of the aggregate number of standard workdays in the period multiplied by

total employment (excluding forestry, fisheries, and private household workers) in the period.

Sources of Additional Information

Additional information is available in BLS news release USDL 04-418.

UNION MEMBERSHIP

Collection, Coverage, and Definitions

The estimates of union membership are obtained from the Current Population Survey (CPS). The union membership and earnings data are tabulated from one-quarter of the CPS monthly sample and are limited to wage and salary workers. Excluded are all self-employed workers.

Union members are members of a labor union or an employee association similar to a union.

Represented by unions refers to union members as well as workers who have no union affiliation but whose jobs are covered by a union contract.

Sources of Additional Information

Additional information is available in BLS news release USDL 04-53, *Union Membership* (Annual).

Table 10-1. Work Stoppages Involving 1,000 Workers or More, 1947–2003

Year	Stoppages beginning in the year ¹		Days idle during the year ²	
	Number	Workers involved (thousands)	Number (thousands)	Percent of estimated total working time ³
1947	270	1 629	25 720	...
1948	245	1 435	26 127	0.22
1949	262	2 537	43 420	0.38
1950	424	1 698	30 390	0.26
1951	415	1 462	15 070	0.12
1952	470	2 746	48 820	0.38
1953	437	1 623	18 130	0.14
1954	265	1 075	16 630	0.13
1955	363	2 055	21 180	0.16
1956	287	1 370	26 840	0.20
1957	279	887	10 340	0.07
1958	332	1 587	17 900	0.13
1959	245	1 381	60 850	0.43
1960	222	896	13 260	0.09
1961	195	1 031	10 140	0.07
1962	211	793	11 760	0.08
1963	181	512	10 020	0.07
1964	246	1 183	16 220	0.11
1965	268	999	15 140	0.10
1966	321	1 300	16 000	0.10
1967	381	2 192	31 320	0.18
1968	392	1 855	35 367	0.20
1969	412	1 576	29 397	0.16
1970	381	2 468	52 761	0.29
1971	298	2 516	35 538	0.19
1972	250	975	16 764	0.09
1973	317	1 400	16 260	0.08
1974	424	1 796	31 809	0.16
1975	235	965	17 563	0.09
1976	231	1 519	23 962	0.12
1977	298	1 212	21 258	0.10
1978	219	1 006	23 774	0.11
1979	235	1 021	20 409	0.09
1980	187	795	20 844	0.09
1981	145	729	16 908	0.07
1982	96	656	9 061	0.04
1983	81	909	17 461	0.08
1984	62	376	8 499	0.04
1985	54	324	7 079	0.03
1986	69	533	11 861	0.05
1987	46	174	4 481	0.02
1988	40	118	4 381	0.02
1989	51	452	16 996	0.07
1990	44	185	5 926	0.02
1991	40	392	4 584	0.02
1992	35	364	3 989	0.01
1993	35	182	3 981	0.01
1994	45	322	5 021	0.02
1995	31	192	5 771	0.02
1996	37	273	4 889	0.02
1997	29	339	4 497	0.01
1998	34	387	5 116	0.02
1999	17	73	1 996	0.01
2000	39	394	20 419	0.06
2001	29	99	1 151	(4)
2002	19	46	660	(4)
2003	14	129	4 091	0.01

¹Workers are counted more than once if they are involved in more than one stoppage during the reference period.

²Days idle includes all stoppages in effect during the reference period. For work stoppages that are still ongoing at the end of the calendar year, only those days of idleness in the calendar year are counted.

³Agricultural and government workers are included in the calculation of estimated working time; private households, forestry, and fishery employees are excluded.

⁴Less than .005 percent.

... = Not available.

Table 10-2. Union Affiliation of Employed Wage and Salary Workers by Selected Characteristics, 1998–2003

(Numbers in thousands, percent.)

Characteristics	1998					1999					2000				
	Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²	
		Total	Percent employed	Total	Percent employed		Total	Percent employed	Total	Percent employed		Total	Percent employed	Total	Percent employed
SEX AND AGE															
TOTAL, 16 YEARS AND OVER	116 730	16 211	13.9	17 918	15.4	118 963	16 477	13.9	18 182	15.3	120 786	16 258	13.5	17 944	14.9
16 to 24 years	19 164	1 014	5.3	1 151	6.0	19 606	1 110	5.7	1 239	6.3	20 166	1 010	5.0	1 152	5.7
25 years and over	97 566	15 198	15.6	16 767	17.2	99 358	15 367	15.5	16 943	17.1	100 620	15 248	15.2	16 792	16.7
25 to 34 years	29 121	3 332	11.4	3 711	12.7	28 657	3 415	11.9	3 785	13.2	28 406	3 369	11.9	3 720	13.1
35 to 44 years	31 865	5 013	15.7	5 511	17.3	32 438	4 918	15.2	5 428	16.7	32 470	4 822	14.9	5 293	16.3
45 to 54 years	23 579	4 737	20.1	5 220	22.1	24 665	4 881	19.8	5 377	21.8	25 651	4 815	18.8	5 305	20.7
55 to 64 years	10 427	1 923	18.4	2 110	20.2	10 880	1 932	17.8	2 107	19.4	11 204	1 998	17.8	2 193	19.6
65 years and over	2 574	193	7.5	214	8.3	2 718	221	8.1	247	9.1	2 889	243	8.4	281	9.7
Men, 16 Years And Over	60 973	9 850	16.2	10 638	17.4	61 914	9 949	16.1	10 758	17.4	62 853	9 578	15.2	10 355	16.5
16 to 24 years	9 927	637	6.4	719	7.2	10 116	716	7.1	781	7.7	10 440	618	5.9	697	6.7
25 years and over	51 046	9 213	18.0	9 919	19.4	51 797	9 232	17.8	9 977	19.3	52 412	8 960	17.1	9 657	18.4
25 to 34 years	15 656	2 112	13.5	2 301	14.7	15 330	2 142	14.0	2 325	15.2	15 197	2 030	13.4	2 207	14.5
35 to 44 years	16 768	3 055	18.2	3 264	19.5	17 020	2 993	17.6	3 241	19.0	17 028	2 871	16.9	3 077	18.1
45 to 54 years	11 874	2 771	23.3	2 982	25.1	12 395	2 800	22.6	3 026	24.4	12 898	2 739	21.2	2 956	22.9
55 to 64 years	5 404	1 177	21.8	1 265	23.4	5 622	1 186	21.1	1 267	22.5	5 770	1 191	20.6	1 268	22.0
65 years and over	1 343	98	7.3	108	8.0	1 431	111	7.7	118	8.2	1 519	129	8.5	148	9.8
Women, 16 Years And Over	55 757	6 362	11.4	7 280	13.1	57 050	6 528	11.4	7 425	13.0	57 933	6 680	11.5	7 590	13.1
16 to 24 years	9 237	377	4.1	432	4.7	9 489	393	4.1	458	4.8	9 726	392	4.0	455	4.7
25 years and over	46 520	5 985	12.9	6 848	14.7	47 560	6 135	12.9	6 966	14.6	48 207	6 288	13.0	7 135	14.8
25 to 34 years	13 464	1 219	9.1	1 410	10.5	13 327	1 273	9.6	1 460	11.0	13 209	1 340	10.1	1 513	11.5
35 to 44 years	15 097	1 958	13.0	2 248	14.9	15 418	1 924	12.5	2 187	14.2	15 441	1 951	12.6	2 215	14.3
45 to 54 years	11 705	1 967	16.8	2 238	19.1	12 270	2 081	17.0	2 351	19.2	12 752	2 077	16.3	2 348	18.4
55 to 64 years	5 023	746	14.9	845	16.8	5 258	746	14.2	839	16.0	5 434	807	14.9	925	17.0
65 years and over	1 231	95	7.7	106	8.6	1 287	110	8.5	129	10.0	1 370	114	8.3	133	9.7
RACE, HISPANIC ORIGIN, AND SEX															
White, 16 Years And Over ³	97 531	13 118	13.5	14 460	14.8	99 147	13 349	13.5	14 668	14.8	100 455	13 094	13.0	14 453	14.4
Men	51 700	8 166	15.8	8 788	17.0	52 492	8 246	15.7	8 896	16.9	53 105	7 911	14.9	8 541	16.1
Women	45 831	4 952	10.8	5 673	12.4	46 655	5 103	10.9	5 771	12.4	47 350	5 183	10.9	5 912	12.5
Black, 16 Years And Over ³	13 894	2 460	17.7	2 739	19.7	14 346	2 463	17.2	2 757	19.2	14 544	2 489	17.1	2 744	18.9
Men	6 452	1 337	20.7	1 458	22.6	6 585	1 348	20.5	1 464	22.2	6 701	1 282	19.1	1 388	20.7
Women	7 443	1 123	15.1	1 282	17.2	7 760	1 116	14.4	1 293	16.7	7 843	1 208	15.4	1 356	17.3
Hispanic, 16 Years And Over	12 374	1 471	11.9	1 634	13.2	12 810	1 525	11.9	1 684	13.1	13 609	1 554	11.4	1 740	12.8
Men	7 360	937	12.7	1 017	13.8	7 457	966	13.0	1 052	14.1	7 884	972	12.3	1 063	13.5
Women	5 015	534	10.6	617	12.3	5 353	559	10.4	632	11.8	5 725	582	10.2	677	11.8
FULL- OR PART-TIME STATUS ⁴															
Full-Time Workers	95 595	14 825	15.5	16 323	17.1	97 626	14 974	15.3	16 501	16.9	99 917	14 822	14.8	16 306	16.3
Part-Time Workers	20 862	1 354	6.5	1 559	7.5	21 065	1 459	6.9	1 634	7.8	20 619	1 395	6.8	1 593	7.7

¹Data refer to members of a labor union or an employee association similar to a union.²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.³Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as their main race.⁴The distinction between full- and part-time workers is based on hours usually worked. Data will not sum to totals because full- or part-time status on the principal job is not identifiable for a small number of multiple jobholders.

Table 10-2. Union Affiliation of Employed Wage and Salary Workers by Selected Characteristics, 1998–2003—Continued

(Numbers in thousands, percent.)

Characteristics	2001					2002					2003				
	Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²	
		Total	Percent employed	Total	Percent employed		Total	Percent employed	Total	Percent employed		Total	Percent employed	Total	Percent employed
SEX AND AGE															
TOTAL, 16 YEARS AND OVER	122 482	16 387	13.4	18 114	14.8	121 826	16 145	13.3	17 695	14.5	122 358	15 776	12.9	17 448	14.3
16 to 24 years	19 698	1 015	5.2	1 184	6.0	19 216	995	5.2	1 126	5.9	18 904	966	5.1	1 124	5.9
25 years and over	102 784	15 372	15.0	16 930	16.5	102 610	15 151	14.8	16 569	16.1	103 454	14 810	14.3	16 324	15.8
25 to 34 years	28 809	3 264	11.3	3 659	12.7	28 232	3 172	11.2	3 522	12.5	28 179	3 097	11.0	3 455	12.3
35 to 44 years	31 962	4 733	14.8	5 191	16.2	31 253	4 455	14.3	4 859	15.5	30 714	4 308	14.0	4 717	15.4
45 to 54 years	26 909	5 068	18.8	5 543	20.6	27 040	5 016	18.6	5 446	20.1	27 567	4 848	17.6	5 307	19.3
55 to 64 years	12 032	2 063	17.1	2 265	18.8	12 952	2 256	17.4	2 456	19.0	13 633	2 300	16.9	2 547	18.7
65 years and over	3 072	243	7.9	272	8.9	3 133	251	8.0	285	9.1	3 361	258	7.7	297	8.8
Men, 16 Years And Over	63 756	9 578	15.0	10 410	16.3	63 272	9 325	14.7	10 066	15.9	63 236	9 044	14.3	9 848	15.6
16 to 24 years	10 137	607	6.0	704	6.9	9 857	616	6.3	687	7.0	9 683	595	6.1	685	7.1
25 years and over	53 619	8 971	16.7	9 706	18.1	53 415	8 709	16.3	9 379	17.6	53 553	8 450	15.8	9 163	17.1
25 to 34 years	15 627	1 983	12.7	2 169	13.9	15 284	1 877	12.3	2 061	13.5	15 263	1 826	12.0	2 005	13.1
35 to 44 years	16 657	2 821	16.9	3 028	18.2	16 355	2 631	16.1	2 805	17.1	16 080	2 535	15.8	2 735	17.0
45 to 54 years	13 561	2 840	20.9	3 070	22.6	13 578	2 784	20.5	2 982	22.0	13 723	2 684	19.6	2 891	21.1
55 to 64 years	6 168	1 195	19.4	1 292	20.9	6 570	1 281	19.5	1 376	21.0	6 776	1 271	18.8	1 377	20.3
65 years and over	1 605	131	8.1	148	9.2	1 627	136	8.4	155	9.5	1 710	133	7.8	155	9.0
Women, 16 Years And Over	58 726	6 809	11.6	7 704	13.1	58 555	6 820	11.6	7 629	13.0	59 122	6 732	11.4	7 601	12.9
16 to 24 years	9 561	409	4.3	480	5.0	9 359	378	4.0	439	4.7	9 221	371	4.0	439	4.8
25 years and over	49 166	6 400	13.0	7 224	14.7	49 196	6 441	13.1	7 190	14.6	49 901	6 360	12.7	7 161	14.4
25 to 34 years	13 181	1 281	9.7	1 490	11.3	12 948	1 295	10.0	1 461	11.3	12 916	1 270	9.8	1 451	11.2
35 to 44 years	15 305	1 912	12.5	2 163	14.1	14 898	1 825	12.2	2 055	13.8	14 634	1 773	12.1	1 982	13.5
45 to 54 years	13 349	2 227	16.7	2 474	18.5	13 462	2 232	16.6	2 464	18.3	13 844	2 163	15.6	2 416	17.5
55 to 64 years	5 864	868	14.8	973	16.6	6 383	975	15.3	1 080	16.9	6 857	1 029	15.0	1 170	17.1
65 years and over	1 467	113	7.7	124	8.5	1 506	115	7.6	130	8.6	1 651	125	7.6	142	8.6
RACE, HISPANIC ORIGIN, AND SEX															
White, 16 Years And Over ³	101 546	13 209	13.0	14 574	14.4	100 923	12 958	12.8	14 178	14.0	100 589	12 535	12.5	13 849	13.8
Men	53 731	7 909	14.7	8 585	16.0	53 198	7 689	14.5	8 284	15.6	52 827	7 378	14.0	8 016	15.2
Women	47 815	5 300	11.1	5 989	12.5	47 725	5 269	11.0	5 894	12.3	47 762	5 157	10.8	5 834	12.2
Black, 16 Years And Over ³	14 261	2 409	16.9	2 668	18.7	14 108	2 386	16.9	2 624	18.6	13 928	2 298	16.5	2 540	18.2
Men	6 488	1 221	18.8	1 330	20.5	6 493	1 183	18.2	1 281	19.7	6 302	1 153	18.3	1 249	19.8
Women	7 773	1 188	15.3	1 338	17.2	7 615	1 204	15.8	1 343	17.6	7 626	1 145	15.0	1 291	16.9
Hispanic, 16 Years And Over	15 174	1 679	11.1	1 876	12.4	15 486	1 639	10.6	1 810	11.7	16 068	1 712	10.7	1 913	11.9
Men	8 997	1 032	11.5	1 136	12.6	9 098	1 006	11.1	1 100	12.1	9 567	1 050	11.0	1 160	12.1
Women	6 177	647	10.5	740	12.0	6 387	633	9.9	710	11.1	6 501	662	10.2	753	11.6
FULL- OR PART-TIME STATUS ⁴															
Full-Time Workers	101 187	14 921	14.7	16 445	16.3	100 081	14 622	14.6	16 005	16.0	100 302	14 263	14.2	15 732	15.7
Part-Time Workers	21 057	1 437	6.8	1 637	7.8	21 513	1 492	6.9	1 654	7.7	21 809	1 479	6.8	1 679	7.7

Note: Data for 2003 have been revised to incorporate changes to the class of worker status associated with the introduction of the 2002 Census of industry and occupational classification systems into the Current Population Survey. Beginning in January 2003, data reflect revised population controls used in the household survey. Estimates for the above race groups (white and black) do not sum to totals because data are not presented for all races. In addition, persons whose ethnicity is identified as "Hispanic or Latino" may be of any race and, therefore, are classified by ethnicity as well as race. Data refer to the sole or principal job of full and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated.

¹Data refer to members of a labor union or an employee association similar to a union.

²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

³Beginning in 2003, persons who selected this race group only; persons who selected more than one race group are not included. Prior to 2003, persons who reported more than one race group were included in the group they identified as their main race.

⁴The distinction between full- and part-time workers is based on hours usually worked. Data will not sum to totals because full- or part-time status on the principal job is not identifiable for a small number of multiple jobholders.

Table 10-3. Union Affiliation of Wage and Salary Workers by Occupation and Industry, 2002–2003

(Thousands of people, percent.)

Characteristics	2002					2003				
	Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
OCCUPATION										
Management, professional, and related occupations	40 610	5 384	13.3	6 153	15.2	40 883	5 331	13.0	6 130	15.0
Management, business, and financial operations	15 553	838	5.4	1 003	6.4	15 465	727	4.7	882	5.7
Management	10 799	521	4.8	627	5.8	10 713	436	4.1	546	5.1
Business and financial operations	4 754	317	6.7	375	7.9	4 753	291	6.1	336	7.1
Professional and related	25 057	4 546	18.1	5 150	20.6	25 418	4 604	18.1	5 248	20.6
Computer and mathematical	2 938	119	4.0	157	5.4	2 947	154	5.2	197	6.7
Architecture and engineering	2 573	200	7.8	222	8.6	2 592	202	7.8	240	9.2
Life, physical, and social science	1 164	117	10.0	142	12.2	1 203	108	9.0	136	11.3
Community and social services	2 116	361	17.1	409	19.3	2 118	351	16.6	395	18.6
Legal	1 162	61	5.3	79	6.8	1 134	54	4.8	65	5.7
Education, training, and library	7 352	2 799	38.1	3 124	42.5	7 584	2 861	37.7	3 207	42.3
Arts, design, entertainment, sports, and media	1 928	164	8.5	196	10.2	1 879	140	7.5	157	8.4
Healthcare practitioner and technical	5 825	725	12.5	822	14.1	5 961	733	12.3	853	14.3
Service occupations	19 766	2 352	11.9	2 570	13.0	20 183	2 318	11.5	2 562	12.7
Healthcare support	2 564	317	12.4	339	13.2	2 824	312	11.0	341	12.1
Protective service	2 670	981	36.7	1 036	38.8	2 699	974	36.1	1 038	38.5
Food preparation and serving related	6 811	281	4.1	328	4.8	7 150	292	4.1	347	4.9
Building and grounds cleaning and maintenance	4 497	531	11.8	596	13.3	4 426	490	11.1	550	12.4
Personal care and service	3 224	242	7.5	271	8.4	3 084	251	8.1	286	9.3
Sales and office	32 249	2 616	8.1	2 879	8.9	32 323	2 642	8.2	2 974	9.2
Sales and related	13 341	504	3.8	554	4.2	13 378	533	4.0	599	4.5
Office and administrative support	18 909	2 111	11.2	2 324	12.3	18 945	2 109	11.1	2 375	12.5
Natural resources, construction, and maintenance	11 517	2 359	20.5	2 462	21.4	11 894	2 288	19.2	2 409	20.3
Farming, fishing, and forestry	976	45	4.6	48	4.9	921	33	3.5	38	4.1
Construction and extraction	6 354	1 473	23.2	1 529	24.1	6 412	1 394	21.7	1 457	22.7
Installation, maintenance, and repair	4 188	841	20.1	885	21.1	4 560	862	18.9	913	20.0
Production, transportation, and material moving	17 684	3 435	19.4	3 631	20.5	17 074	3 196	18.7	3 374	19.8
Production	9 716	1 780	18.3	1 868	19.2	9 261	1 624	17.5	1 710	18.5
Transportation and material moving	7 968	1 655	20.8	1 763	22.1	7 814	1 572	20.1	1 664	21.3
INDUSTRY										
Private sector	102 153	8 800	8.6	9 535	9.3	102 648	8 452	8.2	9 264	9.0
Agriculture and related industries	1 126	31	2.8	34	3.0	1 089	17	1.6	23	2.1
Nonagricultural industries	101 027	8 769	8.7	9 501	9.4	101 559	8 435	8.3	9 241	9.1
Mining	446	39	8.7	45	10.1	504	46	9.1	53	10.5
Construction	7 080	1 179	16.7	1 222	17.3	7 126	1 139	16.0	1 188	16.7
Manufacturing	16 387	2 399	14.6	2 521	15.4	16 130	2 173	13.5	2 314	14.3
Durable goods	10 235	1 592	15.6	1 664	16.3	10 049	1 411	14.0	1 497	14.9
Nondurable goods	6 151	807	13.1	857	13.9	6 081	762	12.5	817	13.4
Wholesale and retail trade	17 653	1 040	5.9	1 111	6.3	18 343	1 130	6.2	1 210	6.6
Wholesale trade	3 619	182	5.0	192	5.3	3 878	197	5.1	213	5.5
Retail trade	14 034	858	6.1	919	6.5	14 466	933	6.4	997	6.9
Transportation and utilities	5 186	1 283	24.7	1 343	25.9	4 942	1 294	26.2	1 350	27.3
Transportation and warehousing	4 266	1 050	24.6	1 099	25.8	4 081	1 051	25.8	1 094	26.8
Utilities	919	233	25.4	244	26.6	861	243	28.2	256	29.8
Information ³	3 334	487	14.6	532	16.0	3 297	448	13.6	481	14.6
Publishing, except Internet	815	73	9.0	84	10.4	781	58	7.4	60	7.7
Motion pictures and sound recording	310	44	14.3	52	16.9	333	40	12.0	46	13.8
Broadcasting, except Internet	515	39	7.6	48	9.2	489	45	9.2	48	9.7
Telecommunications	1 398	323	23.1	339	24.3	1 414	296	21.0	316	22.3
Financial activities	8 251	164	2.0	206	2.5	8 360	176	2.1	237	2.8
Finance and insurance	6 162	92	1.5	125	2.0	6 246	98	1.6	142	2.3
Finance	3 972	62	1.3	75	1.9	4 079	63	1.5	96	2.3
Insurance	2 190	40	1.8	50	2.3	2 167	35	1.6	47	2.1
Real estate and rental and leasing	2 089	73	3.5	81	3.9	2 114	77	3.7	95	4.5

¹Data refer to members of a labor union or an employee association similar to a union.²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.³Includes other industries, not shown separately.

Table 10-3. Union Affiliation of Wage and Salary Workers by Occupation and Industry, 2002–2003—Continued

(Thousands of people, percent.)

Characteristics	2002					2003				
	Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
INDUSTRY—Continued										
Professional and business services	10 916	293	2.7	355	3.3	10 588	243	2.3	312	2.9
Professional and technical services	6 493	98	1.5	129	2.0	6 146	88	1.4	125	2.0
Management, administrative, and waste services	4 423	195	4.4	226	5.1	4 443	155	3.5	187	4.2
Education and health services	16 088	1 372	8.5	1 558	9.7	16 635	1 324	8.0	1 560	9.4
Educational services	3 160	433	13.7	504	15.9	3 062	371	12.1	452	14.8
Health care and social assistance	12 928	940	7.3	1 055	8.2	13 573	953	7.0	1 108	8.2
Leisure and hospitality	10 286	313	3.0	370	3.6	10 207	281	2.8	333	3.3
Arts, entertainment, and recreation	1 904	122	6.4	137	7.2	1 764	95	5.4	111	6.3
Accommodation and food services	8 382	191	2.3	233	2.8	8 443	187	2.2	222	2.6
Accommodation	1 394	107	7.6	116	8.3	1 396	116	8.3	126	9.0
Food services and drinking places	6 988	85	1.2	117	1.7	7 046	70	1.0	96	1.4
Other services ³	5 400	200	3.7	236	4.4	5 425	181	3.3	203	3.7
Other services, except private households	4 629	193	4.2	227	4.9	4 645	174	3.8	196	4.2
Public sector	19 673	7 346	37.3	8 160	41.5	19 710	7 324	37.2	8 185	41.5
Federal government	3 318	1 068	32.2	1 236	37.3	3 247	1 004	30.9	1 196	36.8
State government	5 637	1 745	31.0	1 972	35.0	5 636	1 706	30.3	1 929	34.2
Local government	10 719	4 533	42.3	4 952	46.2	10 827	4 614	42.6	5 060	46.7

Note: Data for 2002 have been revised to incorporate changes to the class of worker status associated with the introduction of the 2002 Census industry and occupational classification systems into the Current Population Survey. Beginning in January 2003, data reflect revised population controls used in the household survey. Occupations and industries reflect the introduction of the 2002 Census occupational and industry classification systems derived from the 2000 Standard Occupational Classification system and the 2002 North American Industry Classification System into the Current Population Survey. Data refer to the sole or principal job of full- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated.

¹Data refer to members of a labor union or an employee association similar to a union.

²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

³Includes other industries, not shown separately.

Table 10-4. Median Weekly Earnings of Full-Time Wage and Salary Workers by Union Affiliation, Occupation, and Industry, 2002–2003

(Dollars.)

Characteristics	2002				2003			
	Total	Members of unions ¹	Represented by unions ²	Non-union	Total	Members of unions ¹	Represented by unions ²	Non-union
OCCUPATION								
Management, professional, and related occupations	859	864	857	859	887	896	892	886
Management, business, and financial operations	922	911	924	922	961	985	994	959
Management	982	955	984	982	1 023	1 102	1 109	1 019
Business and financial operations	797	862	856	790	842	864	873	839
Professional and related	823	858	848	811	845	885	879	833
Computer and mathematical	1 026	972	959	1 033	1 049	963	979	1 057
Architecture and engineering	1 009	995	995	1 012	1 053	1 037	1 028	1 058
Life, physical, and social science	873	916	933	854	891	944	945	876
Community and social services	658	822	797	621	686	848	832	650
Legal	996	991	960	999	1 051	1 362	1 317	1 032
Education, training, and library	740	845	832	645	754	864	854	644
Arts, design, entertainment, sports, and media	740	872	823	732	745	947	933	734
Healthcare practitioner and technical	794	846	848	784	816	877	876	801
Service occupations	396	600	592	372	403	606	596	382
Healthcare support	393	418	419	388	400	452	452	394
Protective service	659	818	811	542	630	857	850	510
Food preparation and serving related	334	409	402	330	349	415	410	344
Building and grounds cleaning and maintenance	378	499	495	360	390	503	498	372
Personal care and service	383	507	510	373	391	532	520	381
Sales and office	527	625	622	517	545	629	624	530
Sales and related	592	594	588	593	598	597	601	598
Office and administrative support	511	629	625	498	523	639	632	510
Natural resources, construction, and maintenance	597	825	817	540	608	851	843	558
Farming, fishing, and forestry	340	(3)	(3)	334	369	(3)	(3)	365
Construction and extraction	589	824	816	523	599	851	840	531
Installation, maintenance, and repair	663	842	834	619	673	858	856	622
Production, transportation, and material moving	511	659	653	483	519	688	684	493
Production	508	634	628	485	519	670	665	495
Transportation and material moving	514	692	682	481	520	710	704	490
INDUSTRY								
Private sector	591	699	691	580	603	717	713	592
Agriculture and related industries	367	(3)	(3)	365	397	(3)	(3)	396
Nonagricultural industries	593	700	692	583	605	718	713	595
Mining	786	(3)	(3)	800	797	(3)	783	799
Construction	605	846	837	568	615	884	873	580
Manufacturing	622	654	652	617	637	689	689	626
Durable goods	647	673	672	641	668	714	712	655
Nondurable goods	587	613	611	581	597	635	637	590
Wholesale and retail trade	511	558	549	509	533	590	586	528
Wholesale trade	619	622	627	618	670	694	689	668
Retail trade	483	530	521	480	497	562	554	494
Transportation and utilities	682	809	807	630	704	817	816	653
Transportation and warehousing	642	791	788	602	668	782	780	620
Utilities	849	896	898	818	899	965	979	857
Information ⁴	764	832	826	750	776	868	862	758
Publishing, except Internet	694	738	726	691	690	740	747	684
Motion pictures and sound recording	749	(3)	(3)	725	704	(3)	(3)	669
Broadcasting, except Internet	692	(3)	(3)	681	724	(3)	(3)	703
Telecommunications	836	834	830	839	857	877	875	848
Financial activities	667	634	622	668	691	618	625	694
Finance and insurance	702	667	661	703	728	607	623	732
Finance	715	(3)	666	716	726	614	640	730
Insurance	681	(3)	(3)	682	731	(3)	(3)	734
Real estate and rental and leasing	592	607	595	592	604	642	630	603

¹Data refer to members of a labor union or an employee association similar to a union.²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.³Includes other industries, not shown separately.⁴Data not shown where base is less than 50,000.

Table 10-4. Median Weekly Earnings of Full-Time Wage and Salary Workers by Union Affiliation, Occupation, and Industry, 2002–2003—Continued

(Dollars.)

Characteristics	2002				2003			
	Total	Members of unions ¹	Represented by unions ²	Non-union	Total	Members of unions ¹	Represented by unions ²	Non-union
INDUSTRY—Continued								
Professional and business services	696	654	653	698	692	699	691	692
Professional and technical services	881	880	863	882	885	897	911	884
Management, administrative, and waste services	468	558	556	462	486	640	617	482
Education and health services	582	666	665	572	598	670	684	590
Educational services	683	767	748	662	681	756	760	659
Health care and social assistance	554	602	606	547	582	627	639	577
Leisure and hospitality	392	487	483	387	400	497	485	395
Arts, entertainment, and recreation	499	588	564	492	492	546	529	489
Accommodation and food services	371	434	433	368	385	478	470	381
Accommodation	411	459	469	405	435	485	482	423
Food services and drinking places	358	397	390	357	371	467	456	369
Other services ⁴	498	688	654	491	515	726	709	510
Other services, except private households	520	702	664	514	544	730	720	533
Public sector	705	769	766	637	728	801	795	656
Federal government	792	779	786	804	818	809	816	821
State government	676	737	735	633	702	764	759	652
Local government	684	781	773	595	709	814	803	606

Note: Data for 2002 have been revised to incorporate changes to the class of worker status associated with the introduction of the 2002 Census industry and occupational classification systems into the Current Population Survey. Beginning in January 2003, data reflect revised population controls used in the household survey. Occupations and industries reflect the introduction of the 2002 Census occupational and industry classification systems derived from the 2000 Standard Occupational Classification system and the 2002 North American Industry Classification System into the Current Population Survey. Data refer to the sole or principal job of full- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated.

¹Data refer to members of a labor union or an employee association similar to a union.

²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

³Includes other industries, not shown separately.

⁴Data not shown where base is less than 50,000.

Table 10-5. Wage and Salary Employees Who Were Union or Employee Association Members, 1977–2003

Year	Wage and salary employees who were union or employee association members (thousands)	Total wage and salary employment (thousands)	Union or association members as a percent of wage and salary employment
1977	19 335	81 334	23.8
1978	19 548	84 968	23.0
1979	20 986	87 117	24.1
1980	20 095	87 480	23.0
1981	...	...	...
1982	...	...	...
1983 ¹	17 717	88 290	20.1
1984	17 340	92 194	18.8
1985	16 996	94 521	18.0
1986	16 975	96 903	17.5
1987	16 913	99 303	17.0
1988	17 002	101 407	16.8
1989	16 980	103 480	16.4
1990	16 740	103 905	16.1
1991	16 568	102 786	16.1
1992	16 390	103 688	15.8
1993	16 598	105 087	15.8
1994 ²	16 748	107 989	15.5
1995	16 360	110 038	14.9
1996	16 269	111 960	14.5
1997	16 110	114 533	14.1
1998	16 211	116 730	13.9
1999	16 477	118 963	13.9
2000	16 258	120 786	13.5
2001	16 387	122 482	13.4
2002	16 145	121 826	13.3
2003	15 776	122 358	12.9

¹Annual average data beginning in 1983 are not directly comparable with the May data for 1977–1980.

²Data beginning in 1994 are not strictly comparable with data for 1993 and earlier years because of the introduction of a major redesign of the Current Population Survey questionnaire and collection methodology and the introduction of 1990 census-based population controls.

... = Not available.

Table 10-6. Union Affiliation of Employed Wage and Salary Workers by State, 2002–2003

(Numbers in thousands, percent.)

State	2002					2003				
	Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
U.S. TOTAL	121 826	16 145	13.3	17 695	14.5	122 358	15 776	12.9	17 448	14.3
Alabama	1 758	160	9.1	186	10.6	1 822	147	8.1	172	9.5
Alaska	261	64	24.4	70	26.9	265	59	22.3	65	24.6
Arizona	2 183	121	5.5	144	6.6	2 191	113	5.2	140	6.4
Arkansas	1 062	63	5.9	72	6.7	1 035	50	4.8	61	5.9
California	13 955	2 444	17.5	2 619	18.8	14 350	2 414	16.8	2 647	18.4
Colorado	1 996	157	7.9	180	9.0	2 007	156	7.8	180	9.0
Connecticut	1 534	258	16.8	271	17.7	1 489	229	15.4	244	16.4
Delaware	369	40	10.9	44	11.8	366	42	11.4	46	12.5
District of Columbia	260	36	13.9	46	17.8	268	39	14.6	46	17.2
Florida	6 680	383	5.7	503	7.5	6 652	407	6.1	557	8.4
Georgia	3 630	219	6.0	255	7.0	3 703	249	6.7	298	8.0
Hawaii	490	120	24.5	124	25.3	511	122	23.8	127	24.8
Idaho	543	38	6.9	47	8.7	548	39	7.0	47	8.6
Illinois	5 445	1 069	19.6	1 119	20.6	5 399	967	17.9	1 003	18.6
Indiana	2 814	376	13.4	408	14.5	2 768	327	11.8	352	12.7
Iowa	1 389	154	11.1	190	13.7	1 365	157	11.5	196	14.4
Kansas	1 216	100	8.2	120	9.9	1 204	96	7.9	124	10.3
Kentucky	1 639	165	10.1	185	11.3	1 681	175	10.4	216	12.8
Louisiana	1 650	138	8.4	170	10.3	1 685	109	6.5	132	7.9
Maine	581	75	13.0	87	15.0	567	73	12.8	81	14.3
Maryland	2 460	354	14.4	411	16.7	2 481	354	14.3	410	16.5
Massachusetts	2 999	427	14.2	464	15.5	2 925	416	14.2	454	15.5
Michigan	4 335	911	21.0	947	21.8	4 188	919	21.9	968	23.1
Minnesota	2 500	440	17.6	458	18.3	2 435	414	17.0	441	18.1
Mississippi	1 049	70	6.7	86	8.2	1 117	55	5.0	73	6.6
Missouri	2 508	332	13.2	366	14.6	2 546	336	13.2	363	14.2
Montana	361	51	14.2	56	15.5	360	50	14.0	54	14.9
Nebraska	790	64	8.1	89	11.2	819	64	7.9	87	10.6
Nevada	970	148	15.3	162	16.7	943	136	14.4	149	15.8
New Hampshire	613	60	9.8	68	11.2	607	56	9.3	69	11.3
New Jersey	3 872	757	19.6	797	20.6	3 777	737	19.5	801	21.2
New Mexico	720	49	6.8	61	8.5	741	57	7.6	70	9.5
New York	7 828	1 981	25.3	2 071	26.5	7 874	1 936	24.6	2 017	25.6
North Carolina	3 424	116	3.4	138	4.0	3 576	111	3.1	135	3.8
North Dakota	291	24	8.2	28	9.8	284	21	7.3	26	9.0
Ohio	5 118	859	16.8	916	17.9	5 100	850	16.7	923	18.1
Oklahoma	1 420	128	9.0	151	10.6	1 406	96	6.8	111	7.9
Oregon	1 457	226	15.5	239	16.4	1 466	230	15.7	240	16.4
Pennsylvania	5 452	851	15.6	906	16.6	5 261	794	15.1	847	16.1
Rhode Island	471	81	17.3	84	17.9	494	84	17.0	86	17.5
South Carolina	1 646	80	4.9	100	6.1	1 689	71	4.2	90	5.3
South Dakota	349	19	5.6	24	6.9	353	19	5.4	23	6.4
Tennessee	2 465	223	9.1	258	10.5	2 384	179	7.5	218	9.2
Texas	8 802	452	5.1	570	6.5	9 072	508	5.6	621	6.8
Utah	971	61	6.3	73	7.6	1 015	53	5.2	69	6.8
Vermont	289	28	9.6	32	11.1	281	27	9.7	33	11.7
Virginia	3 205	194	6.0	251	7.8	3 243	210	6.5	251	7.7
Washington	2 548	472	18.5	510	20.0	2 539	502	19.7	531	20.9
West Virginia	692	92	13.3	97	14.1	671	88	13.1	95	14.2
Wisconsin	2 549	397	15.6	418	16.4	2 613	414	15.9	438	16.8
Wyoming	219	17	7.8	22	9.9	224	18	8.0	22	9.8

Note: Data for 2002 have been revised to incorporate changes to the class of worker status associated with the introduction of the 2002 Census industry and occupational classification systems into the Current Population Survey. Beginning in January 2003, data reflect revised population controls used in the household survey. Data refer to the sole or principal job of full and part-time workers. Excluded are self-employed workers regardless of whether or not their business are incorporated.

¹Data refer to members of a labor union or an employee association similar to a union.

²Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

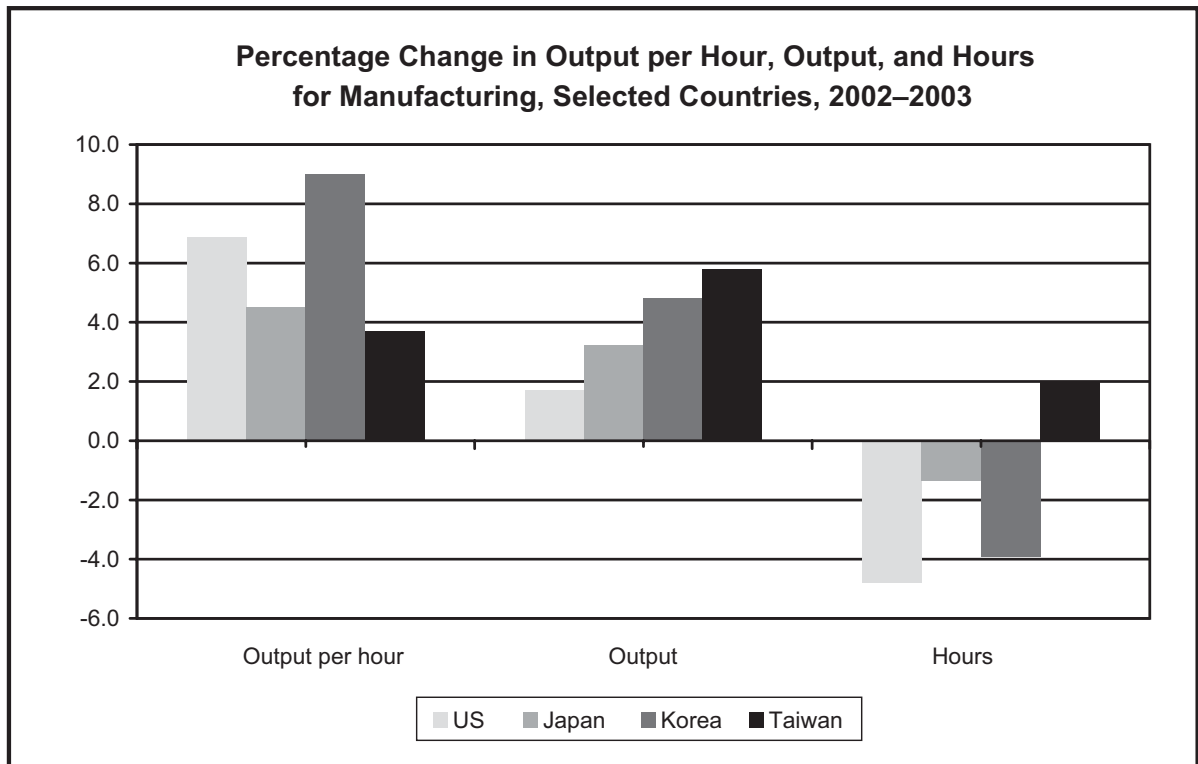
PART ELEVEN

FOREIGN LABOR AND PRICE STATISTICS

FOREIGN LABOR AND PRICE STATISTICS

HIGHLIGHTS

This chapter compares several summary statistics of labor force status, manufacturing productivity, and consumer prices from the United States with other countries. Different concepts and methodologies make comparison difficult and BLS makes such adjustments as it can to reconcile some of the data. There are lags in receipt of the data from other countries, so comparisons here are based on the latest data available.



Korea's increase in manufacturing productivity was higher than the United States, 9.0 percent compared with 6.9 percent, reversing the position of the previous year. However, the United States increase was still substantially above its historic growth rate. Total hours for both Korea and the United States declined but the growth in output in Korea was more than twice that of the United States, 4.8 percent compared with 1.7 percent. Taiwan had the fastest increase in output, 5.8 percent but hours also increased, lowering the productivity increase to 3.7 percent. (Table 11-2.)

OTHER HIGHLIGHTS:

- In 2003, the United States and Canada had the highest labor force participation rates at 66.2 percent and 67.3 percent, respectively. Also in 2003, unemployment rates were about the same for the United States and Australia, around the 6.0 percent mark. However, in Canada, the rate was substantially higher at 6.9 percent. (Table 11-1)
- Inflation was moderate in the measured 16 countries. In 2003, Japan continued to have small decreases in the Consumer Price Index as it had for the previous four years. (Table 11-5)
- Unit labor cost increases (in national currency) ranged from .35 percent in Korea to 4.2 percent in Italy. In several countries including Japan, Taiwan, and Sweden unit labor costs decreased in 2003. (Table 11-2)
- The differences between the national currency unit labor cost and the measure in U.S. dollars are substantial. In several European countries the increase from 2002 to 2003 is over 20 percent. This is the result of the depreciation of the dollar, which raises the currency of the other countries. (Table 11-2)
- The United States had the second highest increase in hourly compensation at 8.5 percent. Korea was highest with 14.7 percent. (Table 11-2)

NOTES AND DEFINITIONS

Collection and Coverage

From its inception, BLS has conducted a program of research and statistical analysis to compare labor conditions in the United States and selected foreign countries. The principal comparative measures cover the labor force, employment and unemployment; trends in labor productivity and unit labor costs in manufacturing; and hourly compensation costs for manufacturing production workers. All of the measures are based upon statistical data and other source materials from (a) the statistical agencies of the foreign countries studied; (b) international and supranational bodies such as the United Nations, the International Labour Office (ILO), the Organization for Economic Cooperation and Development (OECD), and the Statistical Office of the European Communities (EUROSTAT), which attempt to obtain comparable country data; and (c) other secondary sources.

International statistical comparisons should be used cautiously because statistical concepts and methods in each country are fashioned primarily to meet domestic rather than international needs. Wherever possible, the Bureau adjusts the data to improve comparability.

The first table provides the Bureau's comparative measures of the civilian labor force participation rate, employment, and unemployment approximating U.S. concepts. The second table provides trend indexes of manufacturing labor productivity (output per hour), hourly compensation, unit labor costs (labor compensation per unit of output), and related measures for the United States and 13 other countries. The next table is limited to production workers in manufacturing and shows hourly compensation costs in U.S. dollars for the United States and 29 other countries.

The final table provides consumer price indexes for selected countries. No adjustments for comparability are made in the total indexes except to convert them to a uniform base year (1982–1984=100).

United States and Canada

U.S. data in this chapter have been revised from 1998 forward and are based for the first time on the 1997 North American Industry Classification System (NAICS). Output, a value-added measure, is based on a new methodology that balances and reconciles industry production with commodity usage. Canadian data are also on a NAICS basis for 1997 onward.

Labor productivity is defined as real output per hour worked. Although the labor productivity measure presented in this release relates output to the hours worked of persons employed in manufacturing, it does not measure the specific contributions of labor as a single factor of production. Rather, it reflects the joint effects of many influences, including new technology, capital investment, capacity utilization, energy use, and managerial skills, as well as the skills and efforts of the workforce. Unit labor costs are defined as the cost of labor input required to produce one unit of output. They are computed as compensation in nominal terms divided by real output.

Sources of Additional Information

More information is in BLS news release USDL 04-1945. An extensive description of the methodology can be found in the BLS Handbook of Methods, April 1997.

Table 11-1. Employment Status of the Working-Age Population, Approximating U.S. Concepts, 10 Countries, 1965–2003

(Numbers in thousands, percent.)

Year and category	United States	Canada ¹	Australia	Japan	France	Germany ²	Italy	Netherlands	Sweden	United Kingdom
CIVILIAN LABOR FORCE PARTICIPATION RATE										
1965	58.9	56.5	59.9	64.4	57.4	58.7	51.4	...	64.1	62.4
1966	59.2	57.3	60.6	64.6	57.3	58.2	50.0	...	64.2	62.3
1967	59.6	57.6	61.2	64.8	57.4	57.0	50.2	...	63.3	62.0
1968	59.6	57.6	61.2	64.9	57.1	56.9	49.7	...	63.8	61.6
1969	60.1	57.9	61.4	64.6	57.3	57.0	49.3	...	63.8	61.4
1970	60.4	57.8	62.1	64.5	57.5	56.9	49.0	...	64.0	61.1
1971	60.2	58.1	62.2	64.3	57.4	56.5	48.7	...	64.2	60.4
1972	³ 60.4	58.6	62.3	63.8	57.2	56.2	47.7	...	64.1	60.8
1973	³ 60.8	59.7	62.6	64.0	57.3	56.3	47.6	53.4	64.1	62.4
1974	61.2	60.5	63.0	63.1	57.4	55.7	47.7	53.5	64.8	62.2
1975	61.2	61.1	63.2	62.4	57.2	55.0	47.7	54.5	65.9	62.6
1976	61.6	³ 62.5	62.7	62.4	57.5	54.6	48.0	54.1	66.0	62.7
1977	62.3	62.8	62.7	62.5	57.8	54.4	48.2	54.2	65.9	62.7
1978	³ 63.2	63.6	61.9	62.8	57.7	54.4	47.8	54.0	66.1	62.8
1979	63.7	64.4	61.6	62.7	57.8	54.5	48.0	54.2	66.6	62.5
1980	63.8	64.9	62.1	62.6	57.5	54.7	48.2	55.4	66.9	62.5
1981	63.9	65.6	61.9	62.6	57.5	54.7	48.3	56.7	66.8	62.3
1982	64.0	64.8	61.7	62.7	³ 57.5	54.6	47.7	56.6	66.8	61.9
1983	64.0	65.1	61.4	63.1	57.2	³ 54.3	47.5	³ 55.7	66.7	61.6
1984	64.4	65.4	61.5	62.7	57.2	54.4	47.3	55.7	66.6	³ 62.5
1985	64.8	65.9	61.7	62.3	56.8	54.7	47.2	55.5	66.9	62.6
1986	³ 65.3	66.3	³ 62.8	62.1	56.7	54.9	³ 47.8	56.0	67.0	62.6
1987	65.6	66.7	62.9	61.9	56.5	55.0	47.6	56.3	³ 66.4	62.9
1988	65.9	67.0	63.3	61.9	56.2	55.1	47.4	³ 54.4	66.9	63.5
1989	66.5	67.4	64.1	62.2	56.1	55.2	47.3	54.7	67.3	64.1
1990	³ 66.5	67.3	64.7	62.6	³ 56.0	55.3	47.2	56.3	67.3	64.3
1991	66.2	66.7	64.2	63.2	55.9	³ 58.8	³ 47.7	56.6	67.0	63.9
1992	66.4	65.9	63.9	63.4	³ 55.6	58.1	47.5	57.5	65.7	³ 63.1
1993	66.3	65.5	63.5	63.3	55.4	57.8	³ 47.9	57.9	64.5	62.7
1994	³ 66.6	65.2	63.9	63.1	55.5	57.4	47.3	58.6	63.7	62.6
1995	66.6	64.9	64.5	62.9	55.4	57.1	47.1	58.8	64.1	62.4
1996	66.8	64.7	64.6	63.0	55.6	57.1	47.1	59.2	64.0	62.4
1997	³ 67.1	65.0	64.3	63.2	55.5	57.3	47.2	60.8	63.3	62.6
1998	³ 67.1	65.4	64.3	62.8	55.9	57.7	47.6	61.1	62.8	62.5
1999	³ 67.1	65.8	64.0	62.4	56.3	³ 56.8	47.8	62.6	62.8	62.9
2000	³ 67.1	65.9	64.4	62.0	56.6	56.6	48.1	64.5	63.8	62.9
2001	66.8	66.0	64.4	61.6	56.8	56.6	48.3	65.8	63.7	62.7
2002	66.6	66.8	64.4	60.8	57.0	56.3	48.6	65.0	64.0	62.9
2003	³ 66.2	67.3	64.6	60.3	57.0	56.1	48.8	64.6	64.0	62.9
UNEMPLOYMENT RATE										
1965	4.5	3.6	1.3	1.2	1.6	0.3	3.5	...	1.2	2.1
1966	3.8	3.4	1.6	1.4	1.6	0.3	3.7	...	1.6	2.3
1967	3.8	3.8	1.9	1.3	2.1	1.3	3.4	...	2.1	3.3
1968	3.6	4.5	1.8	1.2	2.7	1.1	3.5	...	2.2	3.2
1969	3.5	4.4	1.8	1.1	2.3	0.6	3.5	...	1.9	3.1
1970	4.9	5.7	1.6	1.2	2.5	0.5	3.2	...	1.5	3.1
1971	5.9	6.2	1.9	1.3	2.8	0.6	3.3	...	2.6	3.9
1972	³ 5.6	6.2	2.6	1.4	2.9	0.7	3.8	...	2.7	4.2
1973	³ 4.9	5.5	2.3	1.3	2.8	0.7	3.7	3.1	2.5	3.2
1974	5.6	5.3	2.7	1.4	2.9	1.6	3.1	3.6	2.0	3.1
1975	8.5	6.9	4.9	1.9	4.2	3.4	3.4	5.1	1.6	4.6
1976	7.7	³ 6.8	4.8	2.0	4.6	3.4	3.9	5.4	1.6	5.9
1977	7.1	7.8	5.6	2.0	5.2	3.4	4.1	4.9	1.8	6.4
1978	³ 6.1	8.1	6.3	2.3	5.4	3.3	4.1	5.1	2.2	6.3
1979	5.8	7.3	6.3	2.1	6.1	2.9	4.4	5.1	2.1	5.4
1980	7.1	7.3	6.1	2.0	6.5	2.8	4.4	6.0	2.0	7.0
1981	7.6	7.3	5.8	2.2	7.6	4.0	4.9	8.9	2.5	10.5
1982	9.7	10.6	7.2	2.4	³ 8.3	5.6	5.4	10.2	3.1	11.3
1983	9.6	11.5	10.0	2.7	8.6	³ 6.9	5.9	³ 11.4	3.5	11.8
1984	7.5	10.9	9.0	2.8	10.0	7.1	5.9	11.5	3.1	³ 11.8
1985	7.2	10.2	8.3	2.6	10.5	7.2	6.0	9.6	2.8	11.2
1986	³ 7.0	9.2	³ 7.9	2.8	10.6	6.6	³ 7.5	10.0	2.6	11.2
1987	6.2	8.4	7.9	2.9	10.8	6.3	7.9	10.0	³ 2.2	10.7
1988	5.5	7.3	7.0	2.5	10.3	6.3	7.9	³ 7.3	1.9	8.8
1989	5.3	7.1	6.0	2.3	9.6	5.7	7.8	6.7	1.6	7.2
1990	³ 5.6	7.7	6.7	2.1	³ 9.1	5.0	7.0	5.9	1.8	6.8
1991	6.8	9.8	9.3	2.1	9.5	³ 5.6	³ 6.9	5.5	3.1	8.4
1992	7.5	10.6	10.5	2.2	³ 9.9	6.7	7.3	5.3	5.6	³ 9.7
1993	6.9	10.8	10.6	2.5	11.3	8.0	³ 10.2	6.3	9.4	10.4
1994	³ 6.1	9.5	9.4	2.9	11.8	8.5	11.2	6.9	9.6	9.6
1995	5.6	8.6	8.2	3.2	11.3	8.2	11.8	6.7	9.1	8.7
1996	5.4	8.8	8.2	3.4	11.9	9.0	11.7	6.0	9.9	8.1
1997	³ 4.9	8.4	8.3	3.4	11.8	9.9	11.9	4.9	10.1	7.0
1998	³ 4.5	7.7	7.7	4.1	11.3	9.3	12.0	3.9	7.4	6.3
1999	³ 4.2	7.0	6.9	4.7	10.6	³ 8.5	11.5	3.2	7.1	6.0
2000	4.0	6.1	6.3	4.8	9.1	7.8	10.7	2.9	5.8	5.5
2001	4.7	6.4	³ 6.8	5.1	8.4	7.9	9.6	2.5	5.0	5.1
2002	5.8	7.0	6.4	5.4	8.7	8.6	9.1	2.8	5.1	5.2
2003	³ 6.0	6.9	6.1	5.3	9.3	9.3	8.8	3.8	5.8	5.0

¹There is a break in the published series as of 1966, resulting from sampling changes and a raising of the lower age limit from 14 to 15. The effect was to lower the as-published unemployment rate by about 0.4 percentage point.

²Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.

³Break in series.

... = Not available.

Table 11-1. Employment Status of the Working-Age Population, Approximating U.S. Concepts, 10 Countries, 1965–2003—Continued

(Numbers in thousands, percent.)

Year and category	United States	Canada ¹	Australia	Japan	France	Germany ²	Italy	Netherlands	Sweden	United Kingdom
EMPLOYED										
1965	71 088	6 944	4 628	46 210	19 340	26 290	19 210	...	3 700	24 700
1966	72 895	7 242	4 785	47 200	19 530	26 220	18 890	...	3 736	24 760
1967	74 372	7 451	4 928	48 180	19 650	25 390	19 130	...	3 693	24 470
1968	75 920	7 593	5 046	49 100	19 640	25 400	19 080	...	3 737	24 370
1969	77 902	7 832	5 188	49 570	19 990	25 790	18 940	...	3 778	24 390
1970	78 678	7 919	5 388	50 140	20 270	26 100	19 080	...	3 850	24 330
1971	79 367	8 104	5 517	50 480	20 420	26 220	19 020	...	3 854	23 970
1972	³ 82 153	8 344	5 601	50 590	20 540	26 280	18 710	...	3 856	24 120
1973	³ 85 064	8 761	5 765	51 910	20 840	26 590	18 870	5 050	3 873	24 610
1974	86 794	9 125	5 891	51 710	21 030	26 240	19 280	5 100	3 956	24 680
1975	85 846	9 284	5 866	51 530	20 860	25 540	19 400	5 070	4 056	24 560
1976	88 752	³ 9 680	5 946	52 020	21 030	25 400	19 500	5 100	4 082	24 360
1977	92 017	9 822	6 000	52 720	21 220	25 430	19 670	5 210	4 093	24 400
1978	³ 96 048	10 115	6 038	53 370	21 320	25 650	19 720	5 260	4 109	24 610
1979	98 824	10 550	6 111	54 040	21 390	26 080	19 930	5 350	4 174	24 940
1980	99 303	10 857	6 284	54 600	21 440	26 490	20 200	5 520	4 226	24 670
1981	100 397	11 184	6 416	55 060	21 330	26 450	20 280	5 550	4 219	23 800
1982	99 526	10 850	6 415	55 620	³ 21 390	26 150	20 250	5 520	4 213	23 560
1983	100 834	10 940	6 300	56 550	21 380	³ 25 770	20 320	³ 5 420	4 218	23 470
1984	105 005	11 209	6 494	56 870	21 200	25 830	20 390	5 490	4 249	³ 23 989
1985	107 150	11 516	6 697	57 260	21 150	26 010	20 490	5 650	4 293	24 342
1986	³ 109 597	11 866	³ 6 984	57 740	21 240	26 380	³ 20 610	5 740	4 326	24 477
1987	112 440	12 209	7 142	58 320	21 320	26 590	20 590	5 850	³ 4 340	24 828
1988	114 968	12 591	7 413	59 310	21 520	26 800	20 870	³ 5 880	4 410	25 734
1989	117 342	12 866	7 734	60 500	21 850	27 200	20 770	5 990	4 480	26 536
1990	³ 118 793	12 961	7 877	61 710	³ 22 080	27 950	21 080	6 270	4 513	26 764
1991	117 718	12 747	7 698	62 920	22 120	³ 36 871	³ 21 360	6 380	4 447	26 212
1992	118 492	12 672	7 660	63 620	22 000	36 390	21 230	6 550	4 265	³ 25 575
1993	120 259	12 770	7 699	63 810	21 710	35 989	³ 20 270	6 570	4 028	25 242
1994	³ 123 060	13 027	7 942	63 860	21 750	35 756	19 940	6 660	3 992	25 429
1995	124 900	13 271	8 256	63 890	21 960	35 780	19 820	6 730	4 056	25 718
1996	126 708	13 380	8 364	64 200	22 040	35 637	19 920	6 860	4 019	25 964
1997	³ 129 558	13 705	8 444	64 900	22 170	35 508	19 990	7 160	3 973	26 433
1998	³ 131 463	14 068	8 618	64 450	22 600	36 061	20 210	7 320	4 034	26 696
1999	³ 133 488	14 456	8 762	63 920	23 050	³ 36 042	20 460	7 600	4 117	27 048
2000	³ 136 891	14 827	8 989	63 790	23 690	36 236	20 840	7 910	4 229	27 350
2001	136 933	14 997	9 091	63 470	24 140	36 350	21 270	8 130	4 303	27 570
2002	136 485	15 325	9 271	62 650	24 280	36 018	21 580	8 070	4 310	27 768
2003	³ 137 736	15 660	9 481	62 510	24 250	35 615	21 790	8 010	4 303	28 011
UNEMPLOYED										
1965	3 366	263	61	570	310	70	690	...	44	540
1966	2 875	251	76	650	320	70	730	...	59	570
1967	2 975	296	94	630	420	340	670	...	80	830
1968	2 817	358	94	590	550	290	700	...	85	810
1969	2 832	362	96	570	480	170	680	...	73	770
1970	4 093	476	91	590	530	140	640	...	59	770
1971	5 016	535	107	640	580	160	640	...	101	980
1972	³ 4 882	553	150	730	610	190	740	...	107	1 070
1973	³ 4 365	515	136	680	590	190	720	160	98	820
1974	5 156	514	162	730	630	420	620	190	80	790
1975	7 929	690	302	1 000	910	890	690	270	67	1 180
1976	7 406	³ 711	298	1 080	1 020	890	790	290	66	1 540
1977	6 991	829	358	1 100	1 160	900	840	270	75	1 660
1978	³ 6 202	890	405	1 240	1 220	870	850	280	94	1 650
1979	6 137	827	408	1 170	1 390	780	920	290	88	1 420
1980	7 637	849	409	1 140	1 490	770	920	350	86	1 850
1981	³ 8 273	883	394	1 260	1 760	1 090	1 040	540	108	2 790
1982	10 678	1 289	495	1 360	³ 1 930	1 560	1 160	630	137	3 000
1983	10 717	1 428	697	1 560	2 020	³ 1 900	1 270	³ 700	151	3 140
1984	8 539	1 370	641	1 610	2 360	1 970	1 280	710	136	³ 3 200
1985	8 312	1 309	603	1 560	2 470	2 010	1 310	600	125	3 078
1986	8 237	1 209	³ 601	1 670	2 520	1 860	³ 1 680	640	117	3 081
1987	7 425	1 122	612	1 730	2 570	1 800	1 760	650	³ 97	2 990
1988	6 701	998	558	1 550	2 460	1 810	1 790	³ 460	84	2 469
1989	6 528	982	490	1 420	2 320	1 640	1 760	430	72	2 064
1990	³ 7 047	1 082	563	1 340	³ 2 210	1 460	1 590	390	81	1 965
1991	8 628	1 388	788	1 360	2 330	³ 2 204	³ 1 580	370	144	2 393
1992	9 613	1 505	897	1 420	³ 2 430	2 615	1 680	370	255	2 760
1993	8 940	1 539	914	1 660	2 770	3 113	³ 2 300	440	416	2 916
1994	³ 7 996	1 373	829	1 920	2 920	3 318	2 510	490	426	2 716
1995	7 404	1 246	739	2 100	2 800	3 200	2 640	480	404	2 439
1996	7 236	1 289	751	2 250	2 970	3 505	2 650	440	440	2 297
1997	³ 6 739	1 252	759	2 300	2 960	3 907	2 690	370	445	1 985
1998	³ 6 210	1 169	721	2 790	2 870	3 693	2 750	300	368	1 783
1999	³ 5 880	1 080	652	3 170	2 740	³ 3 333	2 670	250	313	1 721
2000	³ 5 692	962	602	3 200	2 380	3 065	2 500	240	260	1 580
2001	6 801	1 031	661	3 400	2 210	3 110	2 270	210	227	1 483
2002	8 378	1 150	636	3 590	2 310	3 396	2 160	230	234	1 520
2003	³ 8 774	1 159	611	3 500	2 480	3 661	2 100	320	264	1 479

¹There is a break in the published series as of 1966, resulting from sampling changes and a raising of the lower age limit from 14 to 15. The effect was to lower the as-published unemployment rate by about 0.4 percentage point.

²Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.

³Break in series.

... = Not available.

Table 11-2. Indexes of Manufacturing Productivity and Related Measures, 15 Countries, 1970 and 1990-2003

(1992=100.)

Item and year	United States ¹	Canada ²	Japan	Korea	Taiwan	Belgium	Denmark	France	Germany ³	Italy	Netherlands	Norway	Sweden	United Kingdom	Australia
OUTPUT PER HOUR⁴															
1970 .....	...	54.9	37.5	...	...	32.9	52.7	43.1	52.0	44.3	37.9	58.8	52.2	43.2	...
1990	96.9	93.4	94.4	81.5	88.8	96.8	98.4	93.9	88.1	96.6	98.7	98.1	94.6	89.2	91.6
1991	97.9	95.3	99.0	91.6	96.5	99.1	100.3	97.0	98.3	96.1	99.0	98.2	95.5	93.9	96.4
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	102.1	105.8	101.7	108.5	102.8	102.5	100.2	101.0	101.8	101.2	102.0	99.6	107.3	103.8	106.1
1994	107.3	110.8	103.3	118.2	106.7	108.4	112.6	108.9	109.6	104.8	113.1	99.6	117.8	108.0	104.9
1995	113.8	112.4	111.0	129.3	115.1	113.2	112.5	114.4	112.3	107.9	117.3	100.7	124.5	106.2	105.8
1996	117.0	109.7	116.1	142.3	123.1	116.3	109.8	114.7	114.7	108.3	119.3	102.5	129.5	105.4	113.6
1997	121.3	113.5	121.0	160.4	129.3	125.5	118.0	121.7	120.4	110.3	121.4	102.0	141.0	106.9	115.2
1998	126.5	115.5	121.2	178.8	135.9	126.9	117.4	127.9	122.0	110.8	124.1	99.9	149.5	108.4	118.5
1999	132.8	122.1	126.7	198.9	143.4	125.5	123.1	133.0	121.4	110.6	127.0	103.6	162.7	113.6	119.9
2000	143.5	129.3	135.9	215.8	151.0	130.8	126.6	142.5	127.0	113.5	132.7	106.6	175.5	121.0	128.0
2001	145.2	127.0	135.9	214.3	160.8	132.6	127.2	148.0	127.8	114.0	132.5	109.8	170.3	125.1	132.4
2002	160.0	130.5	139.9	235.2	170.9	141.7	131.3	155.1	131.0	112.1	135.4	111.7	185.6	127.7	136.2
2003	171.0	132.1	146.2	256.4	177.2	146.2	136.9	158.0	134.4	110.9	...	113.5	196.5	134.8	140.7
OUTPUT															
1970 .....	...	58.9	39.2	7.0	12.7	57.6	68.0	64.1	70.9	48.1	59.1	90.6	80.7	90.2	...
1990	101.6	106.0	97.1	86.7	90.0	101.0	101.7	99.1	99.1	99.4	99.0	101.4	110.1	105.3	104.1
1991	98.3	99.0	102.0	95.0	96.1	100.7	100.7	99.8	102.3	99.3	99.8	99.0	104.1	100.1	100.7
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	103.5	105.9	96.3	105.4	102.4	97.0	97.0	95.7	92.4	96.5	97.7	101.7	101.9	101.5	103.8
1994	111.1	114.1	94.9	116.8	108.5	101.4	107.3	100.3	95.1	102.4	104.5	104.6	117.0	106.2	109.1
1995	118.4	119.6	98.9	129.9	114.9	104.2	112.6	104.9	95.2	107.2	108.2	107.3	131.9	107.8	108.7
1996	121.3	119.6	103.0	138.3	120.3	105.9	107.7	104.6	92.5	105.4	108.9	110.3	136.4	108.6	112.6
1997	127.9	127.7	106.5	145.0	128.3	112.7	115.9	109.7	95.7	108.8	111.6	114.2	146.5	110.7	115.1
1998	133.1	133.9	100.2	133.5	132.6	114.4	116.7	115.0	97.7	110.7	114.9	113.7	158.3	111.3	118.6
1999	138.9	144.9	101.9	162.6	141.5	114.4	117.9	118.7	95.8	110.3	117.6	113.6	172.5	112.1	118.3
2000	147.6	159.2	109.2	190.2	151.8	119.9	121.9	124.3	100.1	113.6	122.8	112.8	188.3	115.0	123.8
2001	139.6	153.6	105.5	194.3	143.1	120.4	121.6	128.0	99.9	113.0	121.9	112.3	183.1	113.4	123.8
2002	142.9	158.0	103.4	209.1	152.1	121.6	120.8	129.1	99.6	111.7	121.0	111.5	190.6	109.9	128.7
2003	145.4	157.3	106.7	219.1	160.9	120.9	121.4	128.5	99.8	110.2	117.6	107.3	194.4	110.3	130.2
TOTAL HOURS															
1970 .....	...	58.9	39.2	7.0	12.7	57.6	68.0	64.1	70.9	48.1	59.1	90.6	80.7	90.2	...
1990	104.8	113.5	102.9	106.5	101.4	104.3	103.3	105.6	...	102.9	100.3	103.4	116.4	118.1	113.6
1991	100.4	103.9	103.1	103.7	99.6	101.5	100.5	102.9	104.1	103.3	100.8	100.8	109.0	106.6	104.4
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	101.4	100.1	94.7	97.1	99.6	94.7	96.7	94.7	90.8	95.4	95.8	102.1	94.9	97.7	97.8
1994	103.6	103.0	91.9	98.8	101.7	93.6	95.2	92.1	86.8	97.7	92.4	105.0	99.4	98.4	103.9
1995	104.0	106.4	89.1	100.4	99.8	92.0	100.1	91.7	84.8	99.4	92.3	106.6	105.9	101.5	102.8
1996	103.6	109.0	88.7	97.2	97.7	91.0	98.1	91.2	80.6	97.3	91.2	107.6	105.3	103.1	99.1
1997	105.4	112.4	88.0	90.4	99.2	89.8	98.2	90.2	79.5	98.6	91.9	112.0	103.9	103.5	100.0
1998	105.2	115.9	82.7	74.7	97.6	90.2	99.4	89.9	80.1	99.9	92.6	113.7	105.9	102.7	100.1
1999	104.6	118.7	80.4	81.8	98.7	91.2	95.8	89.2	78.9	99.8	92.6	109.6	106.0	98.7	98.7
2000	102.9	123.1	80.3	88.1	100.5	91.7	96.3	87.2	78.8	100.1	92.5	105.9	107.3	95.0	96.7
2001	96.2	120.9	77.7	90.7	89.0	90.8	95.6	86.5	78.2	99.1	92.0	102.3	107.5	90.7	93.5
2002	89.3	121.1	74.0	88.9	89.0	85.8	92.0	83.2	76.1	99.7	89.4	99.8	102.7	86.0	94.5
2003	85.0	119.1	73.0	85.4	90.8	82.7	88.7	81.3	74.3	99.3	...	94.5	98.9	81.9	92.5
COMPENSATION PER HOUR NATIONAL CURRENCY BASIS^{4,5}															
1970	23.7	17.1	16.4	...	...	13.7	13.3	10.4	20.7	5.3	20.2	11.8	10.7	6.1	...
1990	90.8	88.3	90.6	68.6	85.2	90.1	93.5	90.9	89.4	87.6	100.3	92.3	87.8	82.9	86.3
1991	95.6	95.0	96.5	86.2	93.5	97.3	97.9	96.4	91.5	94.2	100.8	97.5	95.5	93.8	94.0
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	102.7	102.0	102.7	114.3	105.9	104.8	102.4	103.1	106.4	105.7	95.8	101.5	97.4	104.5	105.9
1994	105.6	103.7	104.7	129.8	111.1	106.1	106.0	106.5	111.8	106.8	92.4	104.4	99.8	107.3	104.3
1995	107.9	106.0	108.3	158.3	120.2	109.2	108.1	110.4	117.6	111.3	92.3	109.2	106.8	108.8	113.2
1996	109.4	107.0	109.1	184.3	128.2	111.1	112.8	112.2	123.3	119.0	91.2	113.6	115.2	111.4	122.8
1997	111.5	109.3	112.6	200.3	132.4	115.2	116.6	111.8	125.7	123.0	91.9	118.7	121.0	115.7	124.6
1998	117.4	111.7	115.4	218.2	140.3	117.0	119.6	112.7	127.6	122.2	92.6	125.7	125.6	123.0	128.2
1999	122.0	115.8	114.8	219.4	144.3	118.5	127.3	116.6	130.6	124.2	92.6	133.0	130.3	129.9	133.0
2000	133.2	119.6	113.7	234.2	146.6	120.6	130.2	122.8	137.4	127.8	92.5	140.5	136.8	137.6	140.0
2001	136.3	123.7	114.6	241.7	150.0	127.2	136.5	128.3	142.0	132.5	92.0	148.9	143.8	144.3	149.5
2002	145.4	126.8	122.8	261.1	145.8	136.5	143.2	135.2	145.5	135.7	89.4	157.9	148.8	152.2	154.7
2003	157.8	131.4	123.8	290.9	146.7	...	150.0	139.1	148.9	140.0	...	164.6	154.3	160.3	...

¹U.S. data has been revised from 1998 forward and are based on the 1997 North American Industry Classification System (NAICS).²Canadian data has been revised and are based on NAICS data for 1997 onward.³Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.⁴The data relate to employees (wage and salary earners) in Belgium, Denmark, and Italy, and to all employed persons (employees and self-employed workers) in the other countries.⁵Compensation adjusted to include changes in employment taxes that are not compensation to employees, but are labor costs to employers.

... = Not available.

Table 11-2. Indexes of Manufacturing Productivity and Related Measures, 15 Countries, 1970 and 1990–2003—Continued

(1992=100.)

Item and year	United States ¹	Canada ²	Japan	Korea	Taiwan	Belgium	Denmark	France	Germany ³	Italy	Netherlands	Norway	Sweden	United Kingdom	Australia
COMPENSATION PER HOUR U.S. CURRENCY BASIS^{4,5}															
1970	23.7	19.8	5.8	...	...	8.9	10.7	9.9	8.9	10.3	9.8	10.3	12.0	8.3	...
1990	90.8	91.5	79.2	75.7	79.6	86.6	91.2	88.3	86.4	90.1	86.7	91.7	86.4	83.7	91.7
1991	95.6	100.1	90.9	91.8	87.9	91.5	92.3	90.3	86.1	93.5	89.1	93.3	91.9	93.9	99.6
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	102.7	95.5	117.2	111.4	100.9	97.4	95.4	96.3	100.4	82.8	98.9	88.8	72.8	88.9	97.9
1994	105.6	91.7	129.9	126.2	105.6	102.1	100.7	101.7	107.6	81.7	105.4	91.9	75.3	93.1	103.8
1995	107.9	93.3	146.1	160.8	114.2	119.1	116.5	117.2	128.3	84.2	122.8	107.1	87.1	97.2	114.1
1996	109.4	94.8	127.2	179.7	117.4	115.3	117.5	116.1	128.0	95.0	119.3	109.3	100.1	98.4	130.8
1997	111.5	95.3	117.9	165.9	115.7	103.4	106.5	101.3	113.2	88.9	105.6	104.1	92.2	107.3	126.0
1998	117.4	91.0	111.7	122.2	105.2	103.6	107.7	101.1	113.3	86.7	108.2	103.4	92.0	115.4	109.7
1999	122.0	94.2	128.0	144.7	112.3	100.6	109.9	100.2	111.1	84.2	107.1	105.9	91.7	118.9	116.7
2000	133.2	97.3	133.7	162.5	118.0	88.7	97.1	91.5	101.3	75.1	97.3	99.1	86.9	118.0	110.7
2001	136.3	96.5	119.5	146.8	111.6	90.8	98.9	92.7	101.5	75.5	98.8	102.9	81.0	117.6	105.1
2002	145.4	97.6	124.3	167.0	106.2	102.9	109.6	103.2	109.9	81.7	111.1	122.9	89.2	129.5	114.4
2003	157.8	113.3	135.3	191.5	107.3	...	137.7	127.0	134.5	100.8	...	144.4	111.3	148.3	...
UNIT LABOR COSTS NATIONAL CURRENCY BASIS^{4,5}															
1970 .....	...	31.1	43.8	...	23.8	41.7	25.2	24.0	39.8	11.9	53.3	20.1	20.6	14.1	...
1990	93.7	94.6	95.9	84.2	95.9	93.0	95.0	96.8	87.3	90.7	91.1	94.2	92.9	93.0	94.2
1991	97.6	99.6	97.5	94.1	96.8	98.1	97.6	99.3	93.1	98.0	95.7	99.2	100.0	100.0	97.5
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	100.6	96.4	101.0	105.4	103.0	102.3	102.2	102.0	104.5	104.5	102.4	101.9	90.8	100.7	99.8
1994	98.5	93.6	101.4	109.8	104.1	97.9	94.2	97.8	102.0	101.9	96.4	104.8	84.7	99.4	99.4
1995	94.8	94.3	97.5	122.4	104.5	96.4	96.1	96.5	104.7	103.2	95.6	108.4	85.8	102.5	107.0
1996	93.5	97.5	94.0	129.6	104.1	95.5	102.8	97.8	107.5	109.8	95.9	110.8	89.0	105.7	108.1
1997	91.9	96.2	93.0	124.9	102.3	91.8	98.8	91.9	104.5	111.4	96.5	116.4	85.8	108.2	108.2
1998	92.8	96.7	95.2	122.0	103.2	92.2	101.9	88.1	104.6	110.3	98.3	125.7	84.0	113.5	108.2
1999	91.9	94.9	90.6	110.3	100.7	94.4	103.4	87.6	107.6	112.3	99.1	128.4	80.1	114.3	110.9
2000	92.8	92.5	83.6	108.5	97.1	92.2	102.8	86.2	108.1	112.6	99.5	131.9	77.9	113.7	109.4
2001	93.9	97.4	84.4	112.8	93.3	95.9	107.3	86.6	111.2	116.2	104.3	135.6	84.4	115.4	112.9
2002	90.9	97.2	87.8	113.1	85.3	96.4	109.0	87.2	111.1	121.1	108.8	141.3	80.2	119.2	113.5
2003	92.3	99.4	84.7	113.5	82.7	...	109.6	88.0	110.8	126.2	112.6	144.9	78.6	118.9	...
UNIT LABOR COSTS U.S. CURRENCY BASIS^{4,5}															
1970 .....	...	36.6	15.5	...	14.9	27.0	20.2	23.0	17.1	23.3	25.9	17.5	23.1	19.1	...
1990	93.7	98.0	83.9	93.0	89.7	89.5	92.7	94.1	87.3	93.3	87.9	93.6	91.3	93.9	100.1
1991	97.6	105.1	91.8	100.3	91.1	92.3	92.0	93.1	87.5	97.3	90.0	95.0	96.3	100.0	103.3
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	100.6	90.3	115.3	102.6	98.1	95.1	95.1	95.3	98.7	81.8	96.9	89.2	67.8	85.6	92.3
1994	98.5	82.8	125.8	106.8	99.0	94.2	89.4	93.4	98.2	77.9	93.2	92.3	64.0	86.2	98.9
1995	94.8	83.0	131.6	124.3	99.2	105.2	103.6	102.5	114.2	78.0	104.8	106.4	70.0	91.6	107.8
1996	93.5	86.4	109.5	126.3	95.4	99.1	107.0	101.2	111.6	87.7	100.0	106.6	77.3	93.4	115.1
1997	91.9	84.0	97.4	103.4	89.5	82.4	90.2	83.3	94.0	80.6	87.0	102.1	65.4	100.4	109.4
1998	92.8	78.8	92.2	68.4	77.4	81.6	91.7	79.1	92.9	78.2	87.2	103.5	61.5	106.5	92.6
1999	91.9	77.2	101.0	72.7	78.3	80.2	89.3	75.3	91.5	76.2	84.3	102.2	56.4	104.7	97.3
2000	92.8	75.2	98.4	75.3	78.1	67.8	76.7	64.2	79.7	66.2	73.3	93.0	49.5	97.6	86.5
2001	93.9	76.0	88.0	68.5	69.4	68.4	77.8	62.6	79.5	66.2	74.5	93.7	47.6	94.0	79.4
2002	90.9	74.8	88.9	71.0	62.1	72.6	83.5	66.5	83.9	72.9	82.1	110.0	48.1	101.4	84.0
2003	92.3	85.8	92.6	74.7	60.5	...	100.6	80.4	100.1	90.9	101.7	127.2	56.6	110.0	...
EXCHANGE RATE⁶															
1970	100.0	115.8	35.4	252.7	62.9	64.7	80.5	95.7	42.8	196.5	48.6	86.9	112.3	135.6	152.3
1990	100.0	103.6	87.4	110.4	93.5	96.2	97.5	97.2	96.6	102.8	96.6	99.4	98.4	101.0	106.3
1991	100.0	105.5	94.2	106.5	94.0	94.0	94.3	93.7	94.0	99.3	93.9	95.7	96.3	100.1	106.0
1992	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1993	100.0	93.7	114.1	97.4	95.2	93.0	93.1	93.4	94.4	78.3	94.6	87.5	74.7	85.0	92.5
1994	100.0	88.4	124.1	97.2	95.1	96.2	95.0	95.4	96.3	76.5	96.7	88.1	75.5	86.7	99.5
1995	100.0	88.1	134.9	101.5	95.0	109.1	107.8	106.2	109.1	75.6	109.6	98.1	81.6	89.4	100.7
1996	100.0	88.6	116.5	97.5	91.6	103.8	104.1	103.5	103.8	79.9	104.3	96.2	86.8	88.4	106.5
1997	100.0	87.3	104.7	82.8	87.4	89.8	91.3	90.7	90.0	72.3	90.1	87.7	76.2	92.7	101.1
1998	100.0	81.5	96.8	56.0	75.0	88.5	90.1	89.7	88.8	70.9	88.7	82.3	73.3	93.8	85.6
1999	100.0	81.3	111.5	65.9	77.8	84.9	86.4	86.0	85.1	67.8	85.0	79.6	70.4	91.6	87.8
2000	100.0	81.4	117.6	69.4	80.5	73.6	74.6	74.5	73.7	58.7	73.7	70.5	63.5	85.8	79.1
2001	100.0	78.0	104.3	60.7	74.4	71.3	72.5	72.2	71.5	57.0	71.4	69.1	56.3	81.5	70.3
2002	100.0	77.0	101.2	62.8	72.9	75.3	76.6	76.3	75.5	60.2	75.4	77.8	59.9	85.1	73.9
2003	100.0	86.2	109.3	65.8	73.1	90.2	91.8	91.3	90.4	72.0	90.3	87.7	72.1	92.5	88.7

¹U.S. data has been revised from 1998 forward and are based on the 1997 North American Industry Classification System (NAICS).²Canadian data has been revised and are based on NAICS data for 1997 onward.³Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.⁴The data relate to employees (wage and salary earners) in Belgium, Denmark, and Italy, and to all employed persons (employees and self-employed workers) in the other countries.⁵Compensation adjusted to include changes in employment taxes that are not compensation to employees, but are labor costs to employers.⁶Index of value of foreign currency relative to the U.S. dollar.

... = Not available.

Table 11-3. Hourly Compensation Costs in U.S. Dollars for Production Workers in Manufacturing, 30 Countries and Selected Areas, Selected Years, 1975–2002

Country or area	1975	1980	1985	1990	1995	1999	2000	2001	2002
AMERICAS									
United States	6.36	9.87	13.01	14.91	17.19	19.10	19.76	20.60	21.33
Brazil .....	...	...	...	...	...	3.43	3.56	2.97	2.57
Canada	5.96	8.67	10.95	15.95	16.10	15.58	16.04	15.80	16.02
Mexico	1.47	2.21	1.59	1.58	1.65	1.83	2.08	2.33	2.38
ASIA AND OCEANIA									
Australia	5.62	8.47	8.21	13.24	15.56	15.99	14.47	13.34	15.55
Hong Kong SAR ¹	0.76	1.51	1.73	3.23	4.91	5.54	5.63	5.96	5.83
Israel	2.25	3.79	4.06	8.55	10.54	11.91	12.86	13.53	12.14
Japan	3.00	5.52	6.34	12.70	23.73	20.83	22.27	19.61	18.83
Korea	0.32	0.96	1.23	3.71	7.29	7.35	8.19	7.82	9.16
New Zealand	3.15	5.22	4.38	8.17	9.91	9.14	8.13	7.74	8.89
Singapore	0.84	1.49	2.47	3.78	7.33	7.28	7.63	7.56	7.27
Sri Lanka	0.28	0.22	0.28	0.35	0.48	0.46	0.48	0.42	...
Taiwan	0.38	1.02	1.49	3.90	5.85	5.51	5.85	5.70	5.41
EUROPE									
Austria	4.51	8.88	7.58	17.75	25.32	21.85	19.46	19.38	21.07
Belgium	6.41	13.11	8.97	19.17	27.62	23.92	21.59	21.04	22.79
Denmark	6.28	10.83	8.13	18.04	24.98	24.11	21.49	21.98	24.23
Finland	4.66	8.33	8.25	21.25	24.32	21.55	19.45	19.86	21.56
France	4.52	8.94	7.52	15.49	19.38	17.24	15.70	15.91	17.42
Germany, Former West	6.29	12.21	9.50	21.81	31.57	26.87	24.42	24.23	26.18
Germany, Unified .....	...	...	...	...	30.26	25.73	23.38	23.23	25.08
Greece	1.69	3.73	3.66	6.76	9.06	...	...	...	...
Ireland	3.05	6.03	5.99	11.81	13.78	13.61	12.50	13.28	15.09
Italy	4.67	8.15	7.63	17.45	16.22	15.88	14.01	13.78	14.93
Luxembourg	6.26	11.54	7.49	16.04	23.45	19.79	17.70	17.37	18.91
Netherlands	6.58	12.06	8.75	18.06	24.12	21.45	19.44	19.75	21.74
Norway	6.77	11.59	10.37	21.47	24.38	24.45	22.44	23.13	27.40
Portugal	1.58	2.06	1.53	3.77	5.37	5.35	4.75	...	...
Spain	2.53	5.89	4.66	11.38	12.80	12.03	10.78	10.88	12.04
Sweden	7.18	12.51	9.66	20.93	21.44	21.61	20.14	18.35	20.18
Switzerland	6.09	11.09	9.66	20.86	29.30	23.56	21.24	21.84	24.11
United Kingdom	3.37	7.56	6.27	12.70	13.78	17.04	16.45	16.15	17.47
TRADE-WEIGHTED MEASURES ^{2,3}									
All 29 foreign economies .....	...	...	...	...	...	14.20	14.15	13.68	14.13
OECD ⁴	4.18	7.08	7.21	12.83	16.34	15.27	15.17	14.64	15.21
OECD less Mexico, Korea ⁵	4.96	8.45	8.72	15.69	19.91	18.52	18.28	17.59	18.21
Europe	5.03	9.80	7.92	17.19	21.83	20.30	18.60	18.51	20.18
Asian NIEs ⁶	0.51	1.17	1.65	3.72	6.50	6.48	6.95	6.81	7.08

¹Hong Kong Special Administration Region of China.²The trade weights used to compute the average compensation cost measures for selected country or economic groups are relative importances derived from the sum of the U.S. imports of manufactured products for consumption (customs value) and the U.S. exports of domestic manufactured products (free alongside ship value) in 1992 for each country or area and each economic group.³Data for Germany relate to the former West Germany only.⁴Organization for Economic Cooperation and Development.⁵Mexico joined the OECD in 1994; Korea joined in 1996.⁶The Asian NIEs consists of the four newly industrializing economies of Hong Kong, Korea, Singapore, and Taiwan.

... = Not available.

Table 11-4. Consumer Price Indexes, 16 Countries, 1950–2003

(1982–1984=100.)

Year	Consumer price index ¹															
	United States ²	Canada ³	Japan	Australia ⁴	Austria	Belgium ⁵	Denmark ⁶	France ⁷	Germany ⁸	Italy	Netherlands	Norway ⁹	Spain	Sweden	Switzerland ¹⁰	United Kingdom
1950	24.1	21.6	14.8	12.6	...	24.0	12.3	11.1	...	...	...	13.6	5.5	13.4	33.2	9.8
1951	26.0	23.9	17.2	15.1	...	26.3	13.5	13.0	...	...	...	15.7	6.0	15.5	34.8	10.7
1952	26.5	24.5	18.0	17.7	...	26.5	14.0	14.6	...	...	...	17.1	5.9	16.7	35.7	11.7
1953	26.7	24.2	19.2	18.4	...	26.4	14.1	14.4	...	10.3	...	17.5	6.0	16.9	35.4	12.1
1954	26.9	24.4	20.5	18.5	...	26.9	14.2	14.3	...	10.6	...	18.2	6.1	17.1	35.7	12.3
1955	26.8	24.4	20.2	18.9	...	26.8	15.0	14.5	...	10.9	...	18.4	6.3	17.5	36.0	12.9
1956	27.2	24.8	20.3	20.1	...	27.4	15.8	14.8	...	11.2	...	19.1	6.7	18.4	36.5	13.5
1957	28.1	25.6	20.9	20.6	...	28.2	16.1	15.3	...	11.4	...	19.6	7.4	19.2	37.3	14.0
1958	28.9	26.3	20.8	20.9	31.6	28.6	16.3	17.6	...	11.7	...	20.6	8.4	20.0	37.9	14.4
1959	29.1	26.6	21.1	21.3	32.0	29.0	16.5	18.7	...	11.7	...	21.0	9.0	20.2	37.7	14.5
1960	29.6	26.9	21.8	22.1	32.6	29.1	16.7	19.4	...	11.9	...	21.1	9.1	21.0	38.2	14.6
1961	29.9	27.1	23.0	22.6	33.8	29.3	17.4	20.0	...	12.2	...	21.6	9.2	21.5	38.9	15.1
1962	30.2	27.4	24.6	22.6	35.3	29.8	18.8	21.0	...	12.7	...	22.8	9.7	22.5	40.6	15.8
1963	30.6	27.9	26.4	22.7	36.2	30.4	19.8	22.0	...	13.7	...	23.4	10.6	23.2	42.0	16.1
1964	31.0	28.4	27.4	23.2	37.6	31.7	20.5	22.7	...	14.5	...	24.7	11.3	23.9	43.3	16.6
1965	31.5	29.1	29.5	24.1	39.5	32.9	21.8	23.3	...	15.2	...	25.7	12.8	25.1	44.8	17.4
1966	32.4	30.2	31.0	24.9	40.3	34.3	23.3	23.9	...	15.5	...	26.6	13.6	26.8	46.9	18.1
1967	33.4	31.3	32.3	25.7	41.9	35.3	25.0	24.6	...	16.1	...	27.8	14.5	27.9	48.8	18.5
1968	34.8	32.5	34.0	26.3	43.1	36.3	27.0	25.7	...	16.3	...	28.7	15.2	28.4	50.0	19.4
1969	36.7	34.0	35.8	27.1	44.4	37.6	27.9	27.3	...	16.7	40.6	29.6	15.5	29.2	51.3	20.5
1970	38.8	35.1	38.5	28.2	46.4	39.1	29.8	28.8	...	17.5	42.1	32.8	16.4	31.3	53.1	21.8
1971	40.5	36.2	40.9	29.9	48.5	40.8	31.5	30.3	...	18.4	45.3	34.8	17.7	33.6	56.6	23.8
1972	41.8	37.9	42.9	31.6	51.6	43.0	33.6	32.2	...	19.4	48.9	37.3	19.2	35.6	60.4	25.5
1973	44.4	40.7	47.9	34.6	55.5	46.0	36.7	34.6	...	21.6	52.9	40.1	21.4	38.0	65.7	27.9
1974	49.3	45.2	59.1	39.9	60.8	51.9	42.3	39.3	...	25.7	58.1	43.8	24.8	41.7	72.1	32.3
1975	53.8	50.1	66.0	45.9	65.9	58.5	46.4	43.9	...	30.0	63.8	49.0	29.0	45.8	76.9	40.1
1976	56.9	53.8	72.2	52.1	70.8	63.8	50.5	48.2	...	35.1	69.6	53.5	34.1	50.5	78.2	46.8
1977	60.6	58.1	78.1	58.5	74.6	68.4	56.1	52.7	...	41.0	74.1	58.3	42.4	56.3	79.2	54.2
1978	65.2	63.3	81.4	63.1	77.3	71.4	61.8	57.5	...	46.0	77.2	63.1	50.8	61.9	80.1	58.7
1979	72.6	69.1	84.4	68.8	80.2	74.6	67.7	63.6	...	52.8	80.5	66.1	58.8	66.4	83.0	66.6
1980	82.4	76.1	90.9	75.8	85.3	79.6	76.1	72.3	...	64.0	86.1	73.3	67.9	75.5	86.3	78.5
1981	90.9	85.6	95.4	83.2	91.1	85.6	85.0	82.0	...	75.4	91.9	83.3	77.8	84.6	91.9	87.9
1982	96.5	94.9	98.0	92.4	96.0	93.1	93.6	91.6	...	87.8	97.2	92.7	89.0	91.9	97.1	95.4
1983	99.6	100.4	99.8	101.8	99.2	100.3	100.0	100.5	...	100.7	99.8	100.5	99.9	100.0	100.0	99.8
1984	103.9	104.7	102.1	105.8	104.8	106.6	106.4	107.9	...	111.5	103.0	106.8	111.1	108.1	102.9	104.8
1985	107.6	108.9	104.2	112.9	108.2	111.8	111.4	114.2	...	121.8	105.3	112.9	120.9	116.0	106.4	111.1
1986	109.6	113.4	104.8	123.2	110.0	113.3	115.4	117.2	...	129.0	105.6	121.0	131.5	121.0	107.2	114.9
1987	113.6	118.4	104.9	133.7	111.6	115.0	120.0	120.9	...	135.1	105.1	131.6	138.5	126.1	108.8	119.7
1988	118.3	123.2	105.7	142.9	113.8	116.4	125.5	124.2	...	141.9	106.1	140.4	145.1	133.4	110.8	125.6
1989	124.0	129.3	108.1	154.1	116.6	120.0	131.5	128.6	...	150.8	107.1	146.8	155.0	142.0	114.3	135.4
1990	130.7	135.5	111.4	165.3	120.5	124.1	135.0	133.0	...	160.5	109.9	152.8	165.4	156.7	120.5	148.2
1991	136.2	143.1	115.1	170.7	124.4	128.1	138.2	137.2	81.9	170.6	113.3	158.0	175.2	171.5	127.5	156.9
1992	140.3	145.3	117.0	172.4	129.5	131.2	141.1	140.6	86.1	179.4	116.9	161.7	185.6	175.6	132.7	162.7
1993	144.5	147.9	118.5	175.5	134.1	134.8	142.9	143.5	89.9	187.5	120.0	165.4	194.1	183.9	137.0	165.3
1994	148.2	148.2	119.3	178.8	138.2	138.0	145.8	145.9	92.3	195.0	123.3	167.7	203.3	187.8	138.3	169.3
1995	152.4	151.4	119.2	187.1	141.3	140.1	148.8	148.4	93.9	205.1	125.7	171.8	212.8	192.4	140.8	175.2
1996	156.9	153.8	119.3	192.0	143.9	142.9	151.9	151.3	95.3	213.4	128.2	174.0	220.3	193.5	141.9	179.4
1997	160.5	156.2	121.5	192.5	145.8	145.3	155.3	153.2	97.1	217.7	131.0	178.5	224.8	194.8	142.5	185.1
1998	163.0	157.7	122.2	194.1	147.1	146.7	158.2	154.3	98.0	222.0	133.6	182.5	228.8	194.2	142.7	191.4
1999	166.6	160.5	121.8	197.0	147.9	148.3	162.0	155.0	98.6	225.7	136.5	186.7	234.2	195.1	143.8	194.3
2000	172.2	164.8	121.0	205.8	151.4	152.1	166.8	157.7	100.0	231.4	140.0	192.5	242.1	196.9	146.0	200.1
2001	177.1	169.0	120.1	214.8	155.5	155.8	170.8	160.3	102.0	237.8	145.9	198.4	250.8	201.6	147.4	203.6
2002	179.9	172.8	119.1	221.2	158.2	158.4	174.8	163.4	103.4	243.7	150.7	200.9	259.6	206.0	148.4	207.0
2003	184.0	177.6	118.7	227.4	160.3	160.9	178.5	166.8	104.5	250.3	153.9	205.9	267.6	209.9	149.3	213.0

¹The indexes are calculated by rebasing the official indexes of each country to the official U.S. base year. Because of the rebasing to 1982–1984, the indexes may differ from official indexes published by national statistical agencies.

²Urban worker households prior to 1978.

³All households from January 1995, all urban households from September 1978 to December 1994, and middle-income urban households prior to September 1978. In February 1994, excise and duty taxes on cigarettes were reduced by the federal government and three provinces.

⁴Urban worker households prior to September 1998.

⁵Excluding rent and several other services prior to 1976.

⁶Excluding rent prior to 1964.

⁷Paris only prior to 1962. Urban worker households prior to 1991.

⁸Unified Germany from 1991 onward. Prior to 1991, data relate to the former West Germany.

⁹Urban worker households prior to 1960.

¹⁰Urban worker households prior to May 1993.

= Nnt available

Table 11-5. Consumer Price Indexes, 16 Countries, Percent Change from Previous Year, 1956–2003

Year	Percent change in consumer price index ¹															
	United States ²	Canada ³	Japan	Australia ⁴	Austria	Belgium ⁵	Denmark ⁶	France ⁷	Germany ⁸	Italy	Netherlands	Norway ⁹	Spain	Sweden	Switzerland ¹⁰	United Kingdom
1956	1.5	1.5	0.4	6.3	...	2.9	5.3	1.9	...	3.4	...	3.7	5.9	5.0	1.5	4.9
1957	3.3	3.2	3.1	2.7	...	3.1	2.2	3.5	...	1.3	...	2.7	10.8	4.3	1.9	3.7
1958	2.8	2.6	-0.5	1.1	...	1.3	0.7	15.1	...	2.8	...	4.8	13.4	4.4	1.8	3.0
1959	0.7	1.1	1.1	1.9	...	1.2	1.8	6.1	...	-0.4	...	2.2	7.3	0.8	-0.7	0.6
1960	1.7	1.2	3.7	4.0	...	0.3	1.2	3.6	...	2.3	...	0.3	1.2	4.1	1.4	1.0
1961	1.0	0.9	5.3	2.6	3.6	1.0	4.2	3.3	...	2.1	...	2.6	1.1	2.1	1.9	3.4
1962	1.0	1.2	6.8	-0.3	4.4	1.4	7.5	4.8	...	4.7	...	5.3	5.7	4.8	4.3	4.3
1963	1.3	1.8	7.6	0.5	2.7	2.1	5.3	4.8	2.9	7.5	...	2.5	8.8	2.9	3.4	2.0
1964	1.3	1.8	3.8	2.4	3.8	4.2	3.6	3.4	2.4	5.9	...	5.7	7.0	3.4	3.1	3.3
1965	1.6	2.4	7.6	4.0	5.0	4.1	6.5	2.5	3.1	4.6	...	4.3	13.2	5.0	3.4	4.8
1966	2.9	3.7	5.1	3.0	2.2	4.2	6.7	2.7	3.7	2.3	...	3.2	6.2	6.4	4.7	3.9
1967	3.1	3.5	4.0	3.2	4.0	2.9	7.5	2.7	1.7	3.7	...	4.4	6.4	4.2	4.0	2.5
1968	4.2	4.1	5.3	2.7	2.8	2.8	8.0	4.5	1.5	1.4	...	3.5	4.9	1.9	2.4	4.7
1969	5.5	4.5	5.2	2.9	3.1	3.7	3.5	6.4	1.9	2.7	...	3.1	2.2	2.7	2.5	5.4
1970	5.7	3.3	7.7	3.9	4.4	3.9	6.5	5.2	3.4	4.9	3.7	10.6	5.7	7.0	3.6	6.4
1971	4.4	2.9	6.3	6.1	4.7	4.3	5.8	5.5	5.3	4.8	7.6	6.2	8.2	7.4	6.6	9.4
1972	3.2	4.8	4.9	5.9	6.3	5.5	6.6	6.2	5.5	5.7	8.0	7.2	8.3	6.0	6.7	7.1
1973	6.2	7.5	11.7	9.5	7.6	7.0	9.3	7.3	6.9	10.8	8.1	7.5	11.5	6.8	8.7	9.2
1974	11.0	10.9	23.2	15.1	9.5	12.7	15.2	13.7	7.0	19.1	9.8	9.4	15.7	9.9	9.8	16.0
1975	9.1	10.8	11.7	15.1	8.4	12.8	9.6	11.8	6.0	17.0	9.9	11.7	17.0	9.8	6.7	24.2
1976	5.8	7.5	9.4	13.5	7.3	9.2	9.0	9.6	4.3	16.8	9.0	9.1	17.6	10.3	1.7	16.5
1977	6.5	8.0	8.1	12.3	5.5	7.1	11.1	9.4	3.7	17.0	6.4	9.1	24.5	11.4	1.3	15.8
1978	7.6	9.0	4.2	7.9	3.6	4.4	10.1	9.1	2.7	12.1	4.2	8.1	19.8	10.0	1.1	8.3
1979	11.3	9.1	3.7	9.1	3.7	4.5	9.6	10.8	4.1	14.8	4.3	4.8	15.7	7.2	3.6	13.4
1980	13.5	10.1	7.7	10.2	6.4	6.6	12.3	13.6	5.4	21.2	7.0	10.9	15.5	13.7	4.0	18.0
1981	10.3	12.5	4.9	9.7	6.8	7.6	11.7	13.4	6.3	17.8	6.7	13.6	14.6	12.1	6.5	11.9
1982	6.2	10.8	2.8	11.2	5.4	8.7	10.1	11.8	5.3	16.5	5.7	11.3	14.5	8.6	5.6	8.6
1983	3.2	5.8	1.9	10.1	3.3	7.7	6.9	9.6	3.3	14.7	2.7	8.4	12.2	8.9	2.9	4.6
1984	4.3	4.4	2.3	4.0	5.6	6.3	6.3	7.4	2.4	10.8	3.2	6.2	11.3	8.1	3.0	5.0
1985	3.6	4.0	2.0	6.7	3.2	4.9	4.7	5.8	2.1	9.2	2.3	5.7	8.8	7.3	3.4	6.1
1986	1.9	4.1	0.6	9.1	1.7	1.3	3.6	2.7	-0.1	5.9	0.2	7.2	8.8	4.3	0.7	3.4
1987	3.6	4.4	0.1	8.5	1.4	1.6	4.0	3.1	0.2	4.7	-0.4	8.7	5.3	4.2	1.5	4.2
1988	4.1	4.1	0.7	6.9	2.0	1.2	4.6	2.7	1.3	5.0	0.9	6.7	4.8	5.8	1.8	4.9
1989	4.8	5.0	2.3	7.9	2.5	3.1	4.8	3.6	2.8	6.3	1.0	4.6	6.8	6.5	3.2	7.8
1990	5.4	4.8	3.1	7.3	3.3	3.5	2.6	3.4	2.7	6.5	2.6	4.1	6.7	10.4	5.4	9.5
1991	4.2	5.6	3.3	3.2	3.3	3.2	2.4	3.2	3.7	6.3	3.1	3.4	6.0	9.4	5.8	5.9
1992	3.0	1.5	1.6	1.0	4.1	2.4	2.1	2.4	5.1	5.2	3.2	2.3	5.9	2.4	4.0	3.7
1993	3.0	1.8	1.3	1.8	3.6	2.8	1.2	2.1	4.4	4.5	2.6	2.3	4.6	4.7	3.3	1.6
1994	2.6	0.2	0.7	1.9	3.0	2.4	2.0	1.7	2.7	4.0	2.7	1.4	4.8	2.1	0.9	2.4
1995	2.8	2.1	-0.1	4.6	2.2	1.5	2.1	1.7	1.7	5.2	2.0	2.4	4.6	2.5	1.8	3.5
1996	3.0	1.6	0.1	2.6	1.9	2.1	2.1	2.0	1.5	4.0	2.0	1.3	3.6	0.5	0.8	2.4
1997	2.3	1.6	1.8	0.3	1.3	1.6	2.2	1.2	1.9	2.0	2.2	2.6	2.0	0.7	0.5	3.1
1998	1.6	0.9	0.6	0.9	0.9	1.0	1.9	0.7	0.9	2.0	2.0	2.3	1.8	-0.3	0.1	3.4
1999	2.2	1.7	-0.3	1.5	0.6	1.1	2.5	0.5	0.6	1.7	2.2	2.3	2.3	0.5	0.8	1.5
2000	3.4	2.7	-0.7	4.5	2.3	2.5	3.0	1.7	1.4	2.5	2.6	3.1	3.4	0.9	1.5	3.0
2001	2.8	2.6	-0.7	4.4	2.7	2.5	2.4	1.7	2.0	2.7	4.5	3.0	3.6	2.4	1.0	1.8
2002	1.6	2.2	-0.9	3.0	1.8	1.6	2.3	1.9	1.4	2.5	3.5	1.3	3.5	2.2	0.7	1.7
2003	2.3	2.8	-0.3	2.8	1.3	1.6	2.1	2.1	1.1	2.7	2.1	2.5	3.1	1.9	0.6	2.9

¹The figures may differ from official percent changes published by national statistical agencies due to rounding. In the case of Sweden, the official percent changes are not calculated from the published index.

²Urban worker households prior to 1978.

³All households from January 1995, all urban households from September 1978 to December 1994, and middle-income urban households prior to September 1978. In February 1994, excise and duty taxes on cigarettes were reduced by the federal government and three provinces. In 1994, the consumer price index excluding tobacco increased 1.5 percent.

⁴Urban worker households prior to September 1998.

⁵Excluding rent and several other services prior to 1976.

⁶Excluding rent prior to 1964.

⁷Paris only prior to 1962. Urban worker households prior to 1991.

⁸Unified Germany for 1992 onward. Prior to 1992, data relate to the former West Germany.

⁹Urban worker households prior to 1960.

¹⁰Urban worker households prior to May 1993.

... = Not available.

Table 11-6. Real GDP Per Capita, 14 Countries, 1960–2003

(1999 U.S. Dollars.)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany ¹	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	13 545	11 104	4 912	1 632	8 595	8 577	10 498	8 876	10 648	7 764	9 883	8 848	10 795	10 411
1961	13 636	11 225	5 495	1 677	9 002	8 973	11 040	9 268	10 993	8 369	10 035	9 312	11 348	10 579
1962	14 241	11 771	5 911	1 665	9 162	9 403	11 561	9 711	11 372	8 816	10 321	9 486	11 766	10 606
1963	14 652	12 144	6 365	1 767	9 474	9 740	11 523	10 047	11 579	9 241	10 516	9 772	12 324	11 080
1964	15 291	12 697	7 003	1 888	9 980	10 319	12 457	10 593	12 227	9 404	11 269	10 184	13 066	11 617
1965	16 070	13 275	7 249	1 946	10 198	10 590	12 953	11 005	12 739	9 635	11 704	10 639	13 439	11 809
1966	16 921	13 884	8 006	2 129	10 698	10 851	13 148	11 484	12 977	10 135	11 875	10 954	13 590	11 975
1967	17 159	14 044	8 790	2 203	10 938	11 209	13 563	11 929	12 907	10 770	12 364	11 543	13 940	12 201
1968	17 808	14 569	9 727	2 396	11 368	11 634	14 043	12 345	13 562	11 392	13 058	11 705	14 366	12 658
1969	18 177	15 127	10 761	2 667	12 040	12 372	14 885	13 103	14 437	12 009	13 787	12 133	14 980	12 868
1970	17 999	15 307	11 626	2 838	12 853	13 152	15 099	13 730	15 018	12 552	14 402	12 285	15 801	13 119
1971	18 371	15 638	11 973	3 021	13 450	13 604	15 458	14 252	15 317	12 736	14 858	12 826	15 841	13 316
1972	19 138	16 285	12 800	3 109	14 202	14 269	16 062	14 754	15 868	13 063	15 163	13 371	16 156	13 754
1973	20 048	17 244	13 636	3 432	14 814	15 066	16 647	15 432	16 542	13 824	15 801	13 860	16 767	14 703
1974	19 764	17 709	13 290	3 623	15 372	15 636	16 493	15 808	16 554	14 459	16 313	14 349	17 253	14 500
1975	19 535	17 840	13 534	3 795	15 357	15 361	16 169	15 693	16 406	14 078	16 198	15 103	17 624	14 424
1976	20 378	18 573	13 928	4 153	16 088	16 190	17 113	16 294	17 363	14 923	16 831	15 912	17 746	14 814
1977	21 105	18 992	14 403	4 498	16 870	16 249	17 430	16 743	17 895	15 210	17 121	16 514	17 401	15 183
1978	22 046	19 571	15 028	4 830	16 811	16 680	17 711	17 229	18 454	15 709	17 442	17 003	17 654	15 687
1979	22 492	20 193	15 720	5 093	17 727	17 024	18 301	17 723	19 223	16 530	17 642	17 691	18 292	16 093
1980	22 183	20 210	16 038	4 909	18 123	17 740	18 277	17 916	19 346	17 070	17 794	18 508	18 560	15 736
1981	22 516	20 575	16 438	5 146	18 067	17 506	18 115	18 032	19 329	17 180	17 580	18 622	18 507	15 502
1982	21 870	19 750	16 679	5 434	18 434	17 750	18 710	18 400	19 161	17 278	17 275	18 586	18 713	15 817
1983	22 652	20 087	16 886	5 927	18 997	17 752	19 154	18 577	19 566	17 486	17 510	19 181	19 056	16 370
1984	24 069	21 055	17 303	6 338	19 069	18 193	19 970	18 792	20 198	17 964	17 988	20 250	19 857	16 763
1985	24 841	21 861	18 101	6 682	19 523	18 367	20 774	18 972	20 659	18 493	18 383	21 242	20 256	17 316
1986	25 469	22 169	18 446	7 341	19 927	18 633	21 730	19 334	21 129	18 959	18 854	21 925	20 764	17 959
1987	26 095	22 808	19 076	8 068	20 239	19 059	21 733	19 716	21 438	19 523	19 076	22 265	21 387	18 737
1988	26 928	23 633	20 196	8 825	20 907	19 854	21 646	20 501	22 101	20 284	19 517	22 121	21 840	19 628
1989	27 619	23 819	21 139	9 269	21 697	20 534	21 809	21 230	22 676	20 851	20 332	22 233	22 277	19 998
1990	27 823	23 507	22 332	10 003	22 548	21 079	22 213	21 669	23 518	21 245	21 016	22 593	22 348	20 093
1991	27 409	22 741	23 111	10 818	23 066	21 413	22 467	21 775	22 034	21 528	21 349	23 187	21 950	19 749
1992	27 947	22 669	23 206	11 288	23 339	21 667	22 815	21 991	22 357	21 650	21 504	23 862	21 441	19 745
1993	28 324	22 944	23 178	11 788	23 244	21 371	22 822	21 705	21 954	21 387	21 491	24 330	20 925	20 167
1994	29 107	23 784	23 270	12 633	23 758	21 992	24 118	22 075	22 403	21 801	21 976	25 458	21 643	21 013
1995	29 485	24 198	23 598	13 622	24 107	22 467	24 811	22 365	22 723	22 400	22 527	26 489	22 402	21 561
1996	30 222	24 334	24 345	14 437	24 556	22 688	25 281	22 534	22 831	22 607	23 113	27 779	22 655	22 097
1997	31 206	25 111	24 767	14 967	24 919	23 415	25 911	22 884	23 106	23 019	23 875	29 032	23 194	22 776
1998	32 133	25 923	24 486	13 841	25 868	23 836	26 427	23 577	23 564	23 401	24 761	29 563	24 026	23 430
1999	33 181	27 135	24 552	15 047	26 504	24 543	27 006	24 234	24 029	23 766	25 578	30 003	25 107	24 014
2000	34 019	28 290	25 140	16 188	27 345	25 425	27 616	25 029	24 686	24 437	26 277	30 524	26 151	24 852
2001	33 839	28 490	25 050	16 690	27 481	25 499	27 874	25 419	24 849	24 797	26 396	30 809	26 322	25 215
2002	34 235	29 151	24 999	17 742	27 786	25 563	28 036	25 585	24 850	24 831	26 288	30 934	26 787	25 552
2003	34 960	29 489	25 587	18 177	27 902	25 769	28 050	25 578	24 813	24 894	25 938	30 882	27 118	26 039

¹Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.

Table 11-7. Real GDP per Employed Person, 14 Countries, 1960–2003

(1999 U.S. dollars.)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany ¹	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	35 853	31 514	9 837	...	16 100	22 256	22 329	20 865	22 646	18 531	24 638	20 935	22 227	22 606
1961	36 673	32 004	10 858	...	16 862	23 190	23 302	22 017	23 369	19 925	24 988	21 867	23 301	22 924
1962	38 219	33 280	11 657	...	17 348	24 027	24 215	23 491	24 374	21 224	25 551	22 329	24 162	23 079
1963	39 342	34 187	12 574	6 370	18 180	24 898	24 031	24 550	25 000	22 792	26 039	23 071	25 323	24 203
1964	40 735	35 194	13 776	6 864	19 310	26 255	25 651	25 865	26 643	23 511	27 791	24 150	26 667	25 220
1965	42 312	36 147	14 335	6 887	19 996	27 086	26 399	27 018	27 911	24 887	29 017	25 217	27 496	25 550
1966	43 762	36 986	15 471	7 528	21 301	27 843	26 568	28 216	28 778	26 814	29 599	26 056	28 031	25 988
1967	43 824	37 037	16 838	7 696	22 306	29 049	27 638	29 463	29 655	28 386	31 264	27 497	29 287	26 942
1968	44 992	38 328	18 491	8 155	23 613	30 303	28 585	30 810	31 246	30 259	33 052	28 082	30 035	28 215
1969	45 267	39 168	20 502	9 060	25 142	31 773	29 914	32 469	33 062	32 336	34 722	29 093	30 956	28 811
1970	45 092	39 782	22 354	9 514	26 878	33 767	30 194	33 870	34 294	33 896	36 288	29 203	32 328	29 548
1971	46 427	41 054	23 172	9 987	27 946	34 762	31 187	35 331	35 199	34 541	37 679	30 434	32 697	30 597
1972	47 487	42 039	24 992	10 037	29 463	36 676	31 998	36 679	36 550	35 722	39 189	31 604	33 336	31 506
1973	48 620	42 948	26 403	10 696	30 477	38 502	32 976	38 146	37 879	37 530	41 149	32 739	34 529	33 105
1974	47 488	42 964	26 189	11 005	31 272	39 486	33 102	38 994	38 418	38 906	42 406	33 651	34 940	32 578
1975	47 932	43 174	27 066	11 453	31 391	39 469	32 978	39 226	38 984	38 080	42 799	35 026	35 139	32 571
1976	48 892	44 653	27 913	11 996	32 717	41 893	34 427	40 572	41 278	40 159	44 579	35 872	35 389	33 716
1977	49 381	45 536	28 793	12 784	33 937	42 262	35 252	41 532	42 392	40 981	44 675	36 365	34 754	34 498
1978	49 998	46 022	30 018	13 312	33 652	43 383	35 677	42 713	43 310	42 336	45 358	36 927	35 230	35 350
1979	50 173	46 000	31 342	14 054	35 252	43 907	36 622	43 904	44 392	44 187	45 345	38 013	36 058	35 844
1980	49 817	45 330	32 006	13 678	35 753	45 862	36 897	44 495	44 147	45 072	44 716	38 928	36 257	35 471
1981	50 506	45 361	32 788	14 209	35 964	46 134	37 159	45 210	44 238	45 461	44 250	38 793	36 139	36 206
1982	49 935	45 407	33 230	14 862	37 136	47 409	38 266	46 344	44 350	45 654	43 915	38 857	36 631	37 285
1983	51 519	46 255	33 366	16 309	38 317	47 900	39 119	47 182	45 782	46 071	45 578	40 338	37 234	38 751
1984	53 063	47 782	34 293	17 747	38 511	49 185	40 169	48 068	46 995	47 345	46 411	42 395	38 515	38 889
1985	54 164	48 731	35 895	18 213	39 367	49 395	40 868	49 143	47 594	48 296	46 318	43 423	38 952	39 698
1986	54 811	48 451	36 585	19 513	40 173	49 798	41 828	50 137	48 045	49 177	47 030	43 561	39 776	41 050
1987	55 250	49 093	37 863	20 532	40 672	50 714	41 767	51 019	48 405	50 530	47 093	43 552	40 780	42 324
1988	56 309	49 983	39 791	21 988	41 922	52 342	41 904	52 892	49 819	51 968	48 173	43 692	41 269	42 883
1989	57 152	50 198	41 197	22 407	43 128	53 390	42 518	54 189	50 883	53 097	49 647	45 375	41 768	42 520
1990	57 547	49 929	42 951	23 710	44 443	54 177	43 688	55 163	52 233	53 295	49 391	46 651	41 839	42 490
1991	57 989	49 704	43 736	25 115	45 278	55 180	44 565	55 653	52 830	53 044	49 796	48 546	42 006	42 790
1992	59 607	50 442	43 589	25 979	46 223	56 317	45 824	56 813	47 569	53 710	49 242	50 358	43 195	43 943
1993	60 389	51 235	43 500	27 085	46 712	56 188	46 708	57 044	47 698	54 598	49 413	51 396	44 742	45 586
1994	61 458	52 648	43 739	28 413	47 994	58 222	49 713	58 138	48 897	56 642	50 299	53 354	47 030	47 294
1995	62 128	53 150	44 403	30 089	48 783	59 201	50 533	58 589	49 638	58 363	51 366	54 637	48 195	48 134
1996	63 552	53 598	45 726	31 517	50 059	59 838	51 489	59 013	50 169	58 633	52 007	56 439	49 234	48 980
1997	64 988	54 552	46 152	32 422	50 598	61 346	52 333	59 874	50 953	59 594	51 753	57 620	51 099	49 724
1998	66 743	55 336	46 047	32 132	52 049	61 477	52 608	60 984	51 386	60 033	52 830	57 566	52 155	50 774
1999	68 682	56 836	46 639	34 568	52 697	62 576	52 810	61 707	51 811	60 362	52 927	58 349	53 417	51 522
2000	69 459	58 329	47 905	35 968	54 090	63 757	53 893	62 392	52 360	61 029	52 627	59 503	54 409	52 885
2001	69 784	58 722	48 150	36 628	54 158	63 233	54 382	62 639	52 583	60 912	51 832	60 200	53 892	53 593
2002	71 534	59 443	48 731	38 126	55 019	63 861	54 986	62 954	53 003	60 044	52 342	60 581	54 923	54 085
2003	73 097	59 353	50 060	39 349	55 270	64 867	55 617	63 131	53 538	59 512	52 354	61 193	55 945	54 802

¹Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.

... = Not available.

Table 11-8. Employment–Population Ratios, 14 Countries, 1960–2003

(Percent.)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany ¹	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	37.8	35.2	49.9	...	53.4	38.5	47.0	42.5	47.0	41.9	40.1	42.3	48.6	46.1
1961	37.2	35.1	50.6	...	53.4	38.7	47.4	42.1	47.0	42.0	40.2	42.6	48.7	46.1
1962	37.3	35.4	50.7	...	52.8	39.1	47.7	41.3	46.7	41.5	40.4	42.5	48.7	46.0
1963	37.2	35.5	50.6	27.7	52.1	39.1	47.9	40.9	46.3	40.5	40.4	42.4	48.7	45.8
1964	37.5	36.1	50.8	27.5	51.7	39.3	48.6	41.0	45.9	40.0	40.5	42.2	49.0	46.1
1965	38.0	36.7	50.6	28.3	51.0	39.1	49.1	40.7	45.6	38.7	40.3	42.2	48.9	46.2
1966	38.7	37.5	51.7	28.3	50.2	39.0	49.5	40.7	45.1	37.8	40.1	42.0	48.5	46.1
1967	39.2	37.9	52.2	28.6	49.0	38.6	49.1	40.5	43.5	37.9	39.5	42.0	47.6	45.3
1968	39.6	38.0	52.6	29.4	48.1	38.4	49.1	40.1	43.4	37.6	39.5	41.7	47.8	44.9
1969	40.2	38.6	52.5	29.4	47.9	38.9	49.8	40.4	43.7	37.1	39.7	41.7	48.4	44.7
1970	39.9	38.5	52.0	29.8	47.8	39.0	50.0	40.5	43.8	37.0	39.7	42.1	48.9	44.4
1971	39.6	38.1	51.7	30.2	48.1	39.1	49.6	40.3	43.5	36.9	39.4	42.1	48.4	43.5
1972	40.3	38.7	51.2	31.0	48.2	38.9	50.2	40.2	43.4	36.6	38.7	42.3	48.5	43.7
1973	41.2	40.2	51.6	32.1	48.6	39.1	50.5	40.5	43.7	36.8	38.4	42.3	48.6	44.4
1974	41.6	41.2	50.7	32.9	49.2	39.6	49.8	40.5	43.1	37.2	38.5	42.6	49.4	44.5
1975	40.8	41.3	50.0	33.1	48.9	38.9	49.0	40.0	42.1	37.0	37.8	43.1	50.2	44.3
1976	41.7	41.6	49.9	34.6	49.2	38.6	49.7	40.2	42.1	37.2	37.8	44.4	50.1	43.9
1977	42.7	41.7	50.0	35.2	49.7	38.4	49.4	40.3	42.2	37.1	38.3	45.4	50.1	44.0
1978	44.1	42.5	50.1	36.3	50.0	38.4	49.6	40.3	42.6	37.1	38.5	46.0	50.1	44.4
1979	44.8	43.9	50.2	36.2	50.3	38.8	50.0	40.4	43.3	37.4	38.9	46.5	50.7	44.9
1980	44.5	44.6	50.1	35.9	50.7	38.7	49.5	40.3	43.8	37.9	39.8	47.5	51.2	44.4
1981	44.6	45.4	50.1	36.2	50.2	37.9	48.8	39.9	43.7	37.8	39.7	48.0	51.2	42.8
1982	43.8	43.5	50.2	36.6	49.6	37.4	48.9	39.7	43.2	37.8	39.3	47.8	51.1	42.4
1983	44.0	43.4	50.6	36.3	49.6	37.1	49.0	39.4	42.7	38.0	38.4	47.6	51.2	42.2
1984	45.4	44.1	50.5	35.7	49.5	37.0	49.7	39.1	43.0	37.9	38.8	47.8	51.6	43.1
1985	45.9	44.9	50.4	36.7	49.6	37.2	50.8	38.6	43.4	38.3	39.7	48.9	52.0	43.6
1986	46.5	45.8	50.4	37.6	49.6	37.4	52.0	38.6	44.0	38.6	40.1	50.3	52.2	43.7
1987	47.2	46.5	50.4	39.3	49.8	37.6	52.0	38.6	44.3	38.6	40.5	51.1	52.4	44.3
1988	47.8	47.3	50.8	40.1	49.9	37.9	51.7	38.8	44.4	39.0	40.5	50.6	52.9	45.8
1989	48.3	47.5	51.3	41.4	50.3	38.5	51.3	39.2	44.6	39.3	41.0	49.0	53.3	47.0
1990	48.3	47.1	52.0	42.2	50.7	38.9	50.8	39.3	45.0	39.9	42.6	48.4	53.4	47.3
1991	47.3	45.8	52.8	43.1	50.9	38.8	50.4	39.1	48.1	40.6	42.9	47.8	52.3	46.2
1992	46.9	44.9	53.2	43.5	50.5	38.5	49.8	38.7	47.0	40.3	43.7	47.4	49.6	44.9
1993	46.9	44.8	53.3	43.5	49.8	38.0	48.9	38.0	46.0	39.2	43.5	47.3	46.8	44.2
1994	47.4	45.2	53.2	44.5	49.5	37.8	48.5	38.0	45.8	38.5	43.7	47.7	46.0	44.4
1995	47.5	45.5	53.1	45.3	49.4	38.0	49.1	38.2	45.8	38.4	43.9	48.5	46.5	44.8
1996	47.6	45.4	53.2	45.8	49.1	37.9	49.1	38.2	45.5	38.6	44.4	49.2	46.0	45.1
1997	48.0	46.0	53.7	46.2	49.3	38.2	49.5	38.2	45.3	38.6	46.1	50.4	45.4	45.8
1998	48.1	46.8	53.2	43.1	49.7	38.8	50.2	38.7	45.9	39.0	46.9	51.4	46.1	46.1
1999	48.3	47.7	52.6	43.5	50.3	39.2	51.1	39.3	46.4	39.4	48.3	51.4	47.0	46.6
2000	49.0	48.5	52.5	45.0	50.6	39.9	51.2	40.1	47.1	40.0	49.9	51.3	48.1	47.0
2001	48.5	48.5	52.0	45.6	50.7	40.3	51.3	40.6	47.3	40.7	50.9	51.2	48.8	47.1
2002	47.9	49.0	51.3	46.5	50.5	40.0	51.0	40.6	46.9	41.4	50.2	51.1	48.8	47.2
2003	47.8	49.7	51.1	46.2	50.5	39.7	50.4	40.5	46.3	41.8	49.5	50.5	48.5	47.5

¹Unified Germany for 1991 onward. Prior to 1991, data relate to the former West Germany.

... = Not available.

Table 11-9. Real GDP Per Capita and per Employed Person, 14 Countries, 1980–2003

(Average annual percent changes.)

Country	1980–2002	1980–1990	1990–1995	1995–2000	1999	2000	2001	2002	2003
REAL GROSS DOMESTIC PRODUCT PER CAPITA									
United States	2.0	2.3	1.2	2.9	3.3	2.5	-0.5	1.2	2.1
Canada	1.7	1.5	0.6	3.2	4.7	4.3	0.7	2.3	1.2
Japan	2.1	3.4	1.1	1.3	0.3	2.4	-0.4	-0.2	2.4
Korea	5.9	7.4	6.4	3.5	8.7	7.6	3.1	6.3	2.5
Austria	1.9	2.2	1.3	2.6	2.5	3.2	0.5	1.1	0.4
Belgium	1.6	1.7	1.3	2.5	3.0	3.6	0.3	0.3	0.8
Denmark	1.9	2.0	2.2	2.2	2.2	2.3	0.9	0.6	0.0
France	1.6	1.9	0.6	2.3	2.8	3.3	1.6	0.7	0.0
Germany ¹	1.5	2.0	1.4	1.7	2.0	2.7	0.7	0.0	-0.1
Italy	1.7	2.2	1.1	1.8	1.6	2.8	1.5	0.1	0.3
Netherlands	1.7	1.7	1.4	3.1	3.3	2.7	0.5	-0.4	-1.3
Norway	2.3	2.0	3.2	2.9	1.5	1.7	0.9	0.4	-0.2
Sweden	1.7	1.9	0.0	3.1	4.5	4.2	0.7	1.8	1.2
United Kingdom	2.2	2.5	1.4	2.9	2.5	3.5	1.5	1.3	1.9
REAL GROSS DOMESTIC PRODUCT PER EMPLOYED PERSON									
United States	1.7	1.5	1.5	2.3	2.9	1.1	0.5	2.5	2.2
Canada	1.2	1.0	1.3	1.9	2.7	2.6	0.7	1.2	0.2
Japan	2.0	3.0	0.7	1.5	1.3	2.7	0.5	1.2	2.7
Korea	4.7	5.7	4.9	3.6	7.6	4.1	1.8	4.1	3.2
Austria	1.9	2.2	1.9	2.1	1.2	2.6	0.1	1.6	0.5
Belgium	1.5	1.7	1.8	1.5	1.8	1.9	-0.8	1.0	1.6
Denmark	1.8	1.7	3.0	1.3	0.4	2.1	0.9	1.1	1.1
France	1.5	2.2	1.2	1.3	1.2	1.1	0.4	0.5	0.3
Germany ¹	1.5	1.7	2.1	1.1	0.8	1.1	0.4	0.8	1.0
Italy	1.2	1.7	1.8	0.9	0.5	1.1	-0.2	-1.4	-0.9
Netherlands	0.7	1.0	0.8	0.5	0.2	-0.6	-1.5	1.0	0.0
Norway	2.0	1.8	3.2	1.7	1.4	2.0	1.2	0.6	1.0
Sweden	1.9	1.4	2.9	2.5	2.4	1.9	-1.0	1.9	1.9
United Kingdom	1.9	1.8	2.5	1.9	1.5	2.6	1.3	0.9	1.3

¹Unified Germany for 1995–2000 onward. Prior to that the data relate to the former West Germany.

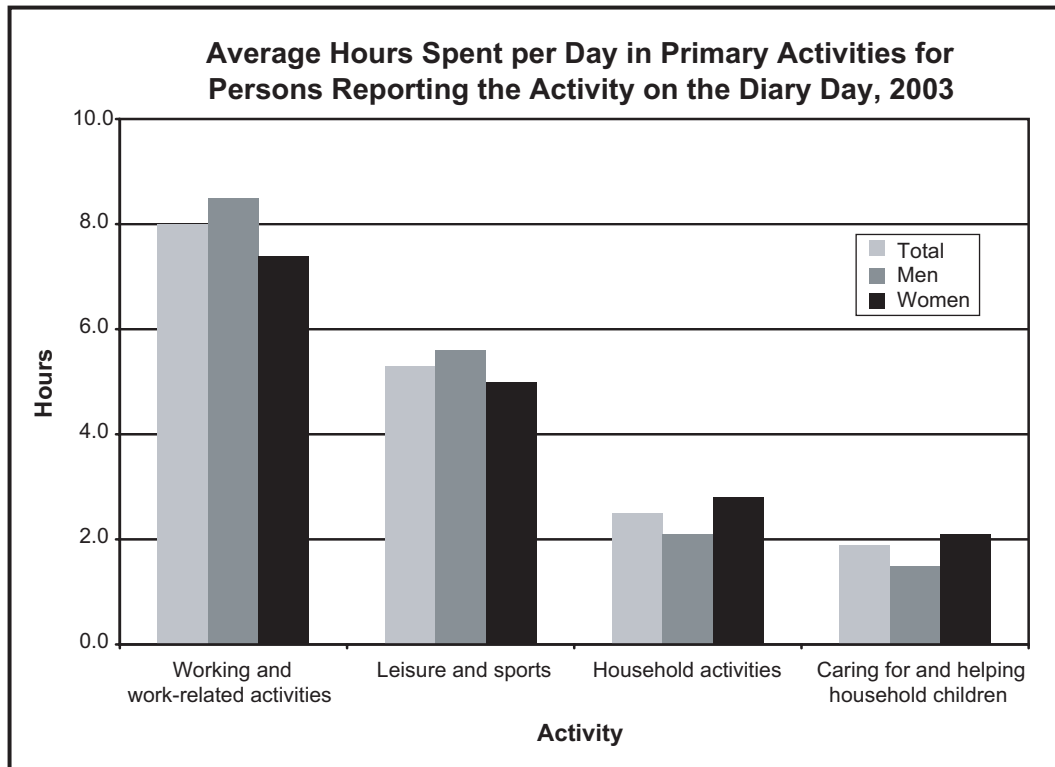
PART TWELVE

AMERICAN TIME USE SURVEY (ATUS)

AMERICAN TIME USE SURVEY (ATUS)

HIGHLIGHTS

This chapter presents the first data from the new American Time Use Survey (ATUS). This survey was introduced in the sixth edition of this Handbook. The ATUS collects data on the activities people do during the day and how much time they spend doing them.



OTHER HIGHLIGHTS:

- In 2003, employed persons worked 7.6 hours on average on the days that they worked. (Table 12-3)
- Employed men worked 8.37 hours per day on an average weekday, compared with 7.34 hours for women. One of the reasons women worked less is because they are more likely than men to work part-time. (Table 12-3)
- Employed women spent more time on household activities and caring for household members than men, almost an hour more per day. Employed men spent more time on leisure and sports, about 16.6 percent more. Both employed men and women spent more time on personal care than any other activity. The personal care category includes sleeping. (Table 12-4)
- On an average day, nearly 84 percent of women and 63 percent of men spent some time doing household activities such as housework, cooking, lawn care, or household management. However, less than 20 percent of men reported doing housework such as cleaning or laundry. (Table 12-1)
- Watching TV was accounted for about half of leisure time for men and women. However, on average, men spent about half an hour more watching TV than women did. (Table 12-1)
- In households with children under 6, employed women spent over an hour more than men caring for household members, 2.42 hours compared with 1.28 hours. (Table 12-4)

NOTES AND DEFINITIONS

Survey Methodology

While BLS has long produced statistics about the labor market, such as employment, hours, and earnings, the American Time Use Survey (ATUS) marks the first time that a federal statistical agency has produced estimates on how Americans spend another critical resource—their time. Data collection for the ATUS began in January, 2003. Sample cases for the survey are selected monthly and interviews are conducted continuously throughout the year. In 2003, approximately 21,000 individuals were interviewed.

ATUS sample households are chosen from the households that completed their eighth (final) interview for the Current Population Survey (CPS), the nation's monthly household labor force survey. (See Chapter 1 of this Handbook for a description of the CPS). ATUS sample households are selected to ensure that estimates will be nationally representative.

One individual age 15 or older is randomly chosen from each sampled household. This “designated person” is interviewed by telephone once about his or her activities on the day before the interview—the “diary day.”

Concepts and Definitions

Average hours per day. The average number of hours spent in a 24-hour day (between 4 a.m. on the diary day and 4 a.m. on the interview day) doing a specified activity.

Average hours per day, population. The average number of hours per day is computed using all responses from a given population, including respondents who did not do a particular activity on their diary day. These estimates reflect how many population members engaged in an activity and the amount of time they spent doing it.

Average hours per day, persons reporting the activity on the diary day. The average number of hours per day is computed using only responses from those who engaged in a particular activity on their diary day.

Diary day. The diary day is the day which the designated person reports. For example, the diary day of a designated person interviewed on Tuesday is Monday.

Employment status:

Employed. All persons who, at any time during the seven days prior to the interview:

1) Did any work at all as paid employees; worked in their own business profession, or on their own farm; or usually worked 15 hours or more as unpaid workers in a family-

operated enterprise; and

2) All those who were not working but had jobs or businesses from which they were temporarily absent due to illness, bad weather, vacation, childcare problems, labor-management dispute, maternity or paternity leave, job training, or other family or personal reasons, whether or not they were paid for the time off or were seeking other jobs.

Employed full time. Full-time workers are those who usually worked 35 hours or more per week at all jobs combined.

Employed part time. Part-time workers are those who usually worked fewer than 35 hours per week at all jobs combined.

Not employed. Persons are not employed if they do not meet the conditions for employment. The not employed include those classified as unemployed as well as those classified as not in the labor force (using CPS definitions).

The numbers of employed and not employed persons in this report do not correspond to published totals from the CPS. While the information on employment from the ATUS is useful for assessing work in the context of other daily activities, the employment data are not intended for analysis of current employment trends. Compared to the CPS and other estimates of employment, the ATUS estimates are based on a much smaller sample and are only available with a substantial lag.

Household children. Household children are children under age 18 residing in the household of the ATUS respondent. The children may be related to the respondent (such as their own children, grandchildren, nieces or nephews, or brothers or sisters) or not related (such as foster children or children of roommates). For secondary childcare calculations, respondents are asked about care for household children under age 13.

Primary activity. A primary activity is the main activity a respondent was doing at a specified time. The estimates presented reflect time spent in primary activities only.

Major activity category definitions

Personal care activities. Personal care activities include sleeping, bathing, dressing, health-related self-care, and personal or private activities. Receiving unpaid personal care from others (for example, “my sister put polish on my nails”) is also captured in this category.

Eating and drinking. All time spent eating or drinking (except when identified by the respondent as part of a

work or volunteer activity), whether alone, with others, at home, at a place of purchase, in transit, or somewhere else, is classified here.

Household activities. Household activities are those done by respondents to maintain their households. These include housework; cooking; yard care; pet care; vehicle maintenance and repair; and home maintenance, repair, decoration, and renovation. Food preparation is always classified as a household activity. Household management and organizational activities—such as filling out paperwork, balancing a checkbook, or planning a party—also are included in this category.

Purchasing goods and services. This category includes the purchase of consumer goods as well as the purchase or use of professional and personal care services, household services, and government services. Most purchases and rentals of consumer goods, regardless of mode or place of purchase or rental (in person, via telephone, over the Internet, at home, or in a store) are classified in this category. Time spent obtaining, receiving, and purchasing professional and personal care services provided by someone else also is classified in this category. Time spent arranging for and purchasing household services provided by someone else also is classified here.

Caring for and helping household members. Time spent doing activities to care for or help any child or adult in the respondent's household, regardless of relationship to the respondent or the physical or mental health status of the person being helped, are classified here. Household member are considered children if they are under 18. Caring for and helping household members also includes a range of activities done to benefit adult members of households, such as providing physical and medical care or obtaining medical services.

Caring for and helping non-household members. Activities done to care for and help any child or adult who is not part of the respondent's household, regardless of the relationship to the respondent or the physical or mental health status of the person being helped, are classified here.

Working and work-related activities. This category includes time spent working, doing activities as part of one's job, engaging in income-generating activities (not

as part of one's job), and job search activities. "Working" includes hours spent doing the specific tasks required of one's main or other job, regardless of location or time of day. Travel time related to working and work-related activities includes time spent commuting to and from one's job, as well as time spent traveling for work-related, income generating, and job search activities.

Educational activities. Educational activities include taking classes (including Internet and other distance-learning courses); doing research and homework; and taking care of administrative tasks, such as registering for classes or obtaining a school ID. For high school students, before and after-school extracurricular activities (except sports) also are classified as educational activities.

Organizational, civic, and religious activities. This category captures time spent volunteering for or through an organization, performing civic obligations, and participating in religious and spiritual activities.

Leisure and sports. The leisure and sports category includes sports, exercise, and recreation; socializing and communicating; and other leisure activities such as watching television, reading or attending entertainment events.

Telephone calls, mail, and email. This category captures telephone communication and handling household or personal mail or email. Telephone and Internet purchases are classified in purchasing goods and services.

Other activities, not elsewhere classified. This residual category includes security procedures related to traveling, traveling not associated with a specific activity category, ambiguous activities that could not be coded or missing activities that were considered too private to report.

Sources of Additional Information

Additional information, including expanded definitions and estimation methodology, is available from BLS news release USDL 04-1797 and the BLS Web site.

Table 12-1. Average Hours per Day Spent in Primary Activities¹ for the Total Population and for Persons Reporting the Activity on the Diary Day by Activity Category and Sex, 2003 Annual Averages

(Number, percent.)

Activity	Hours per day, total population			Percent of population reporting the activity on the diary day			Hours per day, persons reporting the activity on the diary day		
	Total	Men	Women	Total	Men	Women	Total	Men	Women
TOTAL, ALL ACTIVITIES²	24.0	24.0	24.0	X	X	X	X	X	X
Personal care activities	9.3	9.1	9.5	99.9	99.9	100.0	9.3	9.1	9.5
Sleeping	8.6	8.5	8.6	99.9	99.8	99.9	8.6	8.5	8.7
Eating and drinking	1.2	1.2	1.2	91.5	91.5	91.4	1.3	1.4	1.3
Household activities	1.8	1.3	2.3	73.5	62.5	83.7	2.5	2.1	2.8
Housework	0.6	0.2	1.0	37.7	19.5	54.6	1.6	1.2	1.8
Food preparation and cleanup	0.5	0.2	0.8	50.7	34.6	65.6	1.0	0.7	1.2
Lawn and garden care	0.2	0.3	0.1	10.2	11.7	8.9	2.0	2.2	1.6
Household management	0.1	0.1	0.2	15.6	12.9	18.0	0.8	0.8	0.8
Purchasing goods and services	0.8	0.7	0.9	46.1	42.0	49.9	1.8	1.6	1.9
Consumer goods purchases	0.4	0.3	0.5	41.4	37.5	45.1	1.0	0.8	1.1
Professional and personal care services	0.1	0.1	0.1	9.5	7.1	11.7	1.0	1.0	1.0
Caring for and helping household members	0.6	0.3	0.8	26.6	20.4	32.4	2.1	1.6	2.3
Caring for and helping household children	0.4	0.2	0.6	21.6	15.7	27.1	1.9	1.5	2.1
Caring for and helping non-household members	0.3	0.3	0.3	15.7	13.5	17.8	1.8	1.9	1.7
Caring for and helping non-household adults	0.1	0.1	0.1	10.5	9.9	11.0	1.0	1.2	0.9
Working and work-related activities	3.7	4.6	2.9	46.0	53.8	38.7	8.0	8.5	7.4
Working	3.3	4.1	2.6	43.9	51.3	37.0	7.6	8.0	7.0
Educational activities	0.5	0.4	0.5	8.3	7.6	9.0	5.7	5.9	5.5
Attending class	0.3	0.3	0.3	5.6	5.2	6.0	5.1	5.4	4.8
Homework and research	0.1	0.1	0.2	5.4	4.6	6.1	2.5	2.5	2.5
Organizational, civic, and religious activities	0.3	0.3	0.4	13.2	11.0	15.2	2.4	2.6	2.3
Religious and spiritual activities	0.1	0.1	0.2	8.1	6.5	9.6	1.8	1.8	1.7
Volunteering (organizational and civic activities)	0.1	0.1	0.1	6.4	5.5	7.2	2.2	2.4	2.0
Leisure and sports	5.1	5.4	4.8	95.9	96.2	95.7	5.3	5.6	5.0
Socializing and communicating	0.8	0.7	0.8	40.1	35.7	44.2	1.9	2.0	1.9
Watching television	2.6	2.8	2.4	78.7	80.1	77.4	3.3	3.4	3.1
Participating in sports, exercise, and recreation	0.3	0.4	0.2	17.4	19.2	15.8	1.7	2.0	1.3
Telephone calls, mail, and email	0.2	0.1	0.2	25.7	19.7	31.2	0.7	0.7	0.8
Other activities, not elsewhere classified	0.2	0.2	0.2	12.8	11.8	13.8	1.5	1.5	1.4

Note: Data refer to respondents 15 years and over.

¹Primary activities are those respondents identify as their main activity. Other activities done simultaneously are not included.²All major activity categories include related travel time.

X = Not applicable.

Table 12-2. Average Hours per Day Spent in Primary Activities¹ for the Total Population by Age, Sex, Race, Hispanic or Latino Ethnicity and Educational Attainment, 2003 Annual Averages

(Number.)

Characteristic	Hours per day spent in primary activities ²											
	Personal care activities	Eating and drinking	Household activities	Purchasing goods and services	Caring for and helping household members	Caring for and helping non-household members	Working and work-related activities	Educational activities	Organizational, civic, and religious activities	Leisure activities	Telephone calls	Other activities not elsewhere classified
Total, 15 years and over	9.34	1.21	1.83	0.81	0.55	0.29	3.69	0.47	0.32	5.11	0.19	0.19
15 to 24 years	9.95	0.96	0.82	0.69	0.27	0.32	2.65	2.20	0.26	5.46	0.24	0.18
25 to 34 years	9.25	1.17	1.59	0.78	1.11	0.23	4.78	0.29	0.21	4.30	0.13	0.16
35 to 44 years	9.07	1.16	1.99	0.82	1.05	0.19	4.81	0.10	0.34	4.20	0.13	0.16
45 to 54 years	9.00	1.19	1.97	0.84	0.38	0.31	4.91	0.06	0.34	4.67	0.17	0.17
55 to 64 years	9.13	1.35	2.28	0.90	0.15	0.40	3.70	(3)	0.37	5.27	0.21	0.20
65 years and over	9.65	1.52	2.55	0.89	0.13	0.31	0.77	(3)	0.44	7.16	0.27	0.28
Men, 15 years and over	9.13	1.24	1.33	0.68	0.34	0.26	4.57	0.45	0.29	5.41	0.13	0.18
15 to 24 years	9.85	0.94	0.65	0.54	0.10	0.37	2.95	2.06	0.26	5.92	0.19	0.16
25 to 34 years	8.93	1.21	1.10	0.70	0.58	0.24	5.95	(3)	0.21	4.58	0.10	0.14
35 to 44 years	8.82	1.19	1.40	0.67	0.68	0.17	5.84	(3)	0.31	4.60	0.10	0.16
45 to 54 years	8.76	1.22	1.45	0.66	0.27	0.23	5.93	(3)	0.27	4.89	0.12	0.14
55 to 64 years	8.93	1.40	1.79	0.68	0.09	0.27	4.64	(3)	0.32	5.55	0.13	0.20
65 years and over	9.51	1.65	1.89	0.90	0.15	0.31	1.20	(3)	0.41	7.52	0.16	0.29
Women, 15 years and over	9.54	1.18	2.30	0.94	0.75	0.31	2.87	0.50	0.35	4.83	0.24	0.20
15 to 24 years	10.06	0.97	1.00	0.83	0.45	0.27	2.35	2.33	0.25	4.99	0.30	0.21
25 to 34 years	9.55	1.12	2.08	0.86	1.64	0.22	3.62	0.31	0.22	4.03	0.16	0.17
35 to 44 years	9.31	1.13	2.56	0.96	1.40	0.20	3.81	0.14	0.36	3.81	0.16	0.16
45 to 54 years	9.23	1.16	2.48	1.01	0.47	0.40	3.92	(3)	0.40	4.46	0.22	0.19
55 to 64 years	9.31	1.30	2.71	1.10	0.21	0.52	2.88	(3)	0.42	5.02	0.28	0.20
65 years and over	9.76	1.43	3.06	0.89	0.12	0.31	0.43	(3)	0.46	6.88	0.36	0.28
White, 15 years and over	9.27	1.26	1.93	0.83	0.54	0.28	3.72	0.42	0.30	5.07	0.18	0.19
Men	9.08	1.29	1.40	0.70	0.33	0.24	4.66	0.41	0.26	5.32	0.13	0.18
Women	9.45	1.23	2.43	0.96	0.74	0.31	2.83	0.44	0.33	4.83	0.24	0.20
Black or African American, 15 years and over	9.83	0.81	1.30	0.70	0.54	0.37	3.31	0.66	0.51	5.55	0.22	0.20
Men	9.41	0.84	0.93	0.56	0.30	0.43	3.88	(3)	0.57	6.13	0.14	0.18
Women	10.17	0.79	1.59	0.82	0.72	0.32	2.86	0.68	0.47	5.09	0.29	0.22
Hispanic or Latino ethnicity, 15 years and over	9.70	1.12	1.82	0.81	0.72	0.21	3.66	0.57	0.23	4.85	0.12	0.19
Men	9.64	1.15	1.02	0.71	0.42	0.21	4.55	(3)	0.21	5.28	0.12	0.19
Women	9.77	1.08	2.67	0.91	1.02	0.22	2.74	0.63	0.25	4.41	0.12	0.19
Educational attainment, 25 years and over												
Less than high school	9.89	1.09	2.25	0.70	0.45	0.27	2.46	(3)	0.26	6.29	0.09	0.20
High school diploma ⁴	9.25	1.22	2.24	0.81	0.52	0.30	3.65	(3)	0.30	5.36	0.16	0.16
Less than a bachelor's degree	9.13	1.24	2.00	0.85	0.65	0.32	4.11	0.18	0.34	4.78	0.18	0.20
Bachelor's degree or higher ⁵	8.90	1.41	1.78	0.93	0.75	0.22	4.72	0.14	0.41	4.29	0.23	0.21

Note: Hispanics or Latinos may be of any race.

¹Primary activities are those respondents identify as their main activity. Other activities done simultaneously are not included.

²All major activity categories include related travel time.

³Data not shown where base is less than 800,000.

⁴Includes persons with a high school diploma or equivalent.

⁵Includes persons with bachelor's, master's, professional, and doctoral degrees.

Table 12-3. Average Hours Worked per Day by Employed Persons on Weekdays and Weekends by Selected Characteristics, 2003 Annual Averages

(Number.)

Characteristic	Total employed	Worked on an average day			Worked on an average weekday			Worked on an average Saturday, Sunday, or holiday ¹		
		Number	Percent	Hours per day ²	Number ³	Percent	Hours per day ²	Number ⁴	Percent	Hours per day ²
Total, 15 years and over ⁵	145 458	98 069	67.4	7.59	119 252	82.0	7.92	47 600	32.7	5.66
Full-time workers	112 338	80 033	71.2	8.09	98 592	87.8	8.46	36 811	32.8	5.80
Part-time workers	33 120	18 035	54.5	5.40	20 848	62.9	5.45	10 785	32.6	5.12
Men ⁵	78 083	55 288	70.8	8.01	66 580	85.3	8.37	28 351	36.3	5.97
Full-time workers	66 235	48 534	73.3	8.33	59 208	89.4	8.72	23 795	35.9	6.03
Part-time workers	11 848	6 754	57.0	5.74	7 519	63.5	5.77	4 594	38.8	5.60
Women ⁵	67 374	42 781	63.5	7.06	52 670	78.2	7.34	19 254	28.6	5.19
Full-time workers	46 103	31 500	68.3	7.72	39 388	85.4	8.06	12 998	28.2	5.37
Part-time workers	21 271	11 281	53.0	5.19	13 326	62.6	5.27	6 262	29.4	4.81
Multiple job-holding status										
Single jobholders	131 453	86 928	66.1	7.57	106 952	81.4	7.88	39 158	29.8	5.54
Multiple jobholders	14 005	11 141	79.6	7.79	12 303	87.8	8.27	8 406	60.0	6.17
Class of worker										
Wage and salary workers	134 299	90 063	67.1	7.67	110 144	82.0	7.99	42 647	31.8	5.67
Self-employed workers	11 104	7 971	71.8	6.81	9 066	81.6	7.07	5 061	45.6	5.54
Educational attainment, 25 years and over										
Less than high school	10 830	7 116	65.7	7.71	9 018	83.3	7.89	3 040	28.1	6.54
High school diploma ⁶	38 089	25 623	67.3	7.89	31 379	82.4	8.12	11 375	29.9	6.37
Less than a bachelor's degree	32 740	22 338	68.2	7.69	27 813	85.0	7.95	9 824	30.0	5.99
Bachelor's degree or higher ⁷	41 004	29 725	72.5	7.50	35 959	87.7	8.07	14 776	36.0	4.18

Note: Unless otherwise specified, data refer to persons 15 years and over.

¹Holidays are New Year's Day, Easter, Memorial Day, the Fourth of July, Labor Day, Thanksgiving Day, and Christmas Day. In 2003, data were not collected for Thanksgiving Day or Christmas Day.

²Includes work at main and other job(s), and excludes travel related to work.

³Number was derived by multiplying the "total employed" by the percent of employed persons who worked on an average weekday.

⁴Number was derived by multiplying the "total employed" by the percent of employed persons who worked on an average Saturday, Sunday, and holiday.

⁵Includes workers whose hours vary.

⁶Includes persons with a high school diploma or equivalent.

⁷Includes persons with bachelor's, master's, professional, and doctoral degrees.

Table 12-4. Average Hours per Day Spent in Primary Activities¹ for the Population 18 Years and Over, by Sex, Labor Force Status, and Presence and Age of Children, Selected Characteristics, 2003 Annual Averages

(Number.)

Characteristic	Hours per day spent in primary activities ²											
	Personal care activities	Eating and drinking activities	Household activities	Purchasing goods and services	Caring for and helping household members	Caring for and helping non-household members	Working and work-related activities	Educational activities	Organizational, civic, and religious activities	Leisure and sports	Telephone calls, mail, and email	Other activities, not elsewhere classified
Total, 18 years and over	9.29	1.23	1.92	0.83	0.58	0.29	3.86	0.26	0.32	5.06	0.18	0.19
No household children under 18	9.36	1.31	1.89	0.83	0.08	0.35	3.60	0.25	0.31	5.60	0.22	0.20
Household children under 18	9.17	1.10	1.96	0.83	1.37	0.19	4.27	0.28	0.34	4.18	0.12	0.17
Household children 6-17, none younger	9.20	1.10	1.94	0.83	0.82	0.22	4.42	0.36	0.41	4.39	0.14	0.17
Household children under 6	9.14	1.10	1.99	0.82	2.08	0.16	4.08	0.18	0.26	3.92	0.11	0.17
Men	9.05	1.27	1.39	0.70	0.35	0.27	4.81	0.25	0.29	5.34	0.12	0.18
No household children under 18	9.13	1.35	1.42	0.72	0.07	0.32	4.29	0.25	0.27	5.85	0.15	0.18
Household children under 18	8.90	1.12	1.34	0.67	0.86	0.18	5.70	0.25	0.32	4.43	0.08	0.16
Household children 6-17, none younger	8.99	1.09	1.35	0.66	0.54	0.19	5.49	0.34	0.39	4.70	0.11	0.16
Household children under 6	8.78	1.16	1.32	0.68	1.27	0.17	5.98	(3)	0.23	4.07	0.05	0.17
Women	9.50	1.20	2.41	0.95	0.78	0.31	2.98	0.28	0.35	4.80	0.23	0.20
No household children under 18	9.58	1.28	2.36	0.94	0.09	0.39	2.91	0.25	0.35	5.36	0.29	0.22
Household children under 18	9.39	1.09	2.48	0.96	1.80	0.20	3.08	0.31	0.36	3.98	0.15	0.18
Household children 6-17, none younger	9.37	1.11	2.43	0.99	1.06	0.25	3.52	0.38	0.43	4.13	0.16	0.18
Household children under 6	9.43	1.06	2.54	0.93	2.73	0.15	2.54	0.23	0.28	3.79	0.15	0.17
Employed, 18 years and over	9.01	1.21	1.53	0.77	0.55	0.26	5.72	0.19	0.27	4.20	0.15	0.15
No household children under 18	9.04	1.27	1.46	0.77	0.06	0.31	5.80	0.21	0.24	4.51	0.17	0.16
Household children under 18	8.97	1.12	1.61	0.77	1.19	0.18	5.61	0.18	0.31	3.80	0.11	0.14
Household children 6-17, none younger	9.01	1.12	1.67	0.78	0.76	0.20	5.63	0.23	0.37	3.97	0.12	0.14
Household children under 6	8.91	1.12	1.54	0.76	1.78	0.16	5.59	0.11	0.23	3.56	0.09	0.14
Men	8.78	1.23	1.18	0.64	0.39	0.25	6.36	0.18	0.25	4.49	0.11	0.14
No household children under 18	8.83	1.30	1.16	0.64	0.04	0.30	6.26	0.18	0.21	4.80	0.13	0.14
Household children under 18	8.72	1.14	1.22	0.65	0.85	0.17	6.49	0.17	0.31	4.07	0.07	0.14
Household children 6-17, none younger	8.77	1.11	1.25	0.64	0.51	0.18	6.41	(3)	0.38	4.30	0.09	0.13
Household children under 6	8.66	1.18	1.17	0.66	1.28	0.15	6.59	(3)	0.24	3.80	0.05	0.14
Women	9.28	1.17	1.93	0.92	0.74	0.27	4.97	0.21	0.30	3.85	0.19	0.16
No household children under 18	9.30	1.23	1.83	0.93	0.08	0.32	5.24	0.24	0.29	4.15	0.22	0.17
Household children under 18	9.25	1.10	2.05	0.91	1.56	0.20	4.64	0.19	0.32	3.49	0.14	0.15
Household children 6-17, none younger	9.26	1.13	2.08	0.92	1.01	0.23	4.84	0.22	0.37	3.65	0.15	0.15
Household children under 6	9.23	1.06	2.00	0.90	2.42	0.16	4.34	(3)	0.23	3.25	0.14	0.14
Not employed, 18 years and over	9.83	1.28	2.69	0.95	0.63	0.36	0.17	0.40	0.42	6.76	0.25	0.27
No household children under 18	9.85	1.38	2.56	0.93	0.11	0.41	0.16	0.32	0.41	7.32	0.28	0.27
Household children under 18	9.78	1.04	3.01	0.99	1.93	0.22	0.21	0.60	0.43	5.35	0.17	0.26
Household children 6-17, none younger	9.83	1.04	2.88	1.02	1.05	0.28	(3)	0.82	0.53	5.85	0.19	0.28
Household children under 6	9.73	1.05	3.15	0.95	2.83	0.17	(3)	(3)	0.33	4.85	0.15	0.24
Men	9.83	1.37	1.98	0.87	0.26	0.33	0.28	0.45	0.39	7.79	0.17	0.28
No household children under 18	9.76	1.45	1.95	0.90	0.12	0.34	(3)	(3)	0.40	8.03	0.18	0.27
Household children under 18	10.11	1.01	2.12	0.76	0.88	(3)	(3)	(3)	(3)	6.76	(3)	(3)
Household children 6-17, none younger	10.24	1.00	1.90	0.73	0.71	(3)	(3)	(3)	(3)	6.90	(3)	(3)
Household children under 6	9.85	1.04	2.57	(3)	1.23	(3)	(3)	(3)	(3)	6.49	(3)	(3)
Women	9.83	1.23	3.10	0.99	0.84	0.37	0.11	0.36	0.43	6.16	0.30	0.26
No household children under 18	9.91	1.32	3.00	0.96	0.11	0.46	(3)	(3)	0.42	6.81	0.36	0.27
Household children under 18	9.68	1.05	3.29	1.06	2.26	0.21	(3)	0.55	0.45	4.91	0.18	0.24
Household children 6-17, none younger	9.64	1.05	3.33	1.15	1.21	0.29	(3)	(3)	0.58	5.37	0.19	0.26
Household children under 6	9.71	1.06	3.26	0.98	3.14	0.14	(3)	(3)	0.35	4.53	0.17	0.21

¹Primary activities are those respondents identify as their main activity. Other activities done simultaneously are not included.

²All activity categories include related travel.

³Data not shown where base is less than 800,000.

Table 12-5. Average Hours per Day Spent by Persons 18 Years and Over, Caring for Household Children Under 18 Years, by Sex of Respondent and Age of Youngest Household Child, 2003 Annual Averages

(Number.)

Characteristic	Hours per day caring for household children		
	Total	Men	Women
Persons in households with children under 18, total			
Caring for household children as a primary activity	1.31	0.81	1.73
Physical care	0.47	0.22	0.69
Education-related activities	0.10	0.06	0.13
Reading to/with children	0.03	0.02	0.05
Talking to/with children	0.05	0.02	0.06
Playing/doing hobbies with children	0.24	0.21	0.25
Looking after children	0.06	0.05	0.08
Attending children's events	0.05	0.04	0.07
Travel related to care of household children	0.17	0.11	0.22
Other childcare activities	0.13	0.07	0.19
Persons in households with youngest child 6 to 17 years			
Caring for household children as a primary activity	0.75	0.49	0.98
Physical care	0.17	0.08	0.24
Education-related activities	0.11	0.07	0.14
Reading to/with children	0.01	(1)	0.02
Talking to/with children	0.06	0.03	0.08
Playing/doing hobbies with children	0.05	0.06	0.04
Looking after children	0.03	(1)	0.04
Attending children's events	0.07	(1)	0.07
Travel related to care of household children	0.16	0.11	0.21
Other childcare activities	0.10	0.06	0.14
Persons in households with youngest child under 6			
Caring for household children as a primary activity	2.02	1.22	2.68
Physical care	0.87	0.41	1.24
Education-related activities	0.09	(1)	0.11
Reading to/with children	0.06	0.03	0.08
Talking to/with children	0.03	(1)	0.04
Playing/doing hobbies with children	0.47	0.41	0.52
Looking after children	0.11	0.09	0.13
Attending children's events	0.04	(1)	0.05
Travel related to care of household children	0.18	0.11	0.24
Other childcare activities	0.18	0.07	0.26

Note: Universe includes respondents 18 years and over living in households, with children under 18 years, even if they did not report doing childcare on the diary day.

¹Data not shown where base is less than 800,000.

Table 12-6. Average Hours per Day Spent in Leisure and Sports Activities for the Total Population by Selected Characteristics, 2003 Annual Averages

(Number.)

Characteristic	Total, all leisure and sports activities			Participating in sports, exercise, and recreation		Socializing and communicating		Watching TV	
	Total	Men	Women	Men	Women	Men	Women	Men	Women
Age									
Total, 15 years and over	5.11	5.41	4.83	0.39	0.21	0.72	0.83	2.75	2.41
15 to 24 years	5.46	5.92	4.99	0.67	0.36	1.00	1.02	2.29	2.17
25 to 34 years	4.30	4.58	4.03	0.37	0.22	0.72	0.83	2.33	2.01
35 to 44 years	4.20	4.60	3.81	0.32	0.19	0.63	0.72	2.54	1.87
45 to 54 years	4.67	4.89	4.46	0.27	0.18	0.60	0.83	2.65	2.26
55 to 64 years	5.27	5.55	5.02	0.34	0.18	0.63	0.78	3.06	2.53
65 years and over	7.16	7.52	6.88	0.33	0.13	0.73	0.81	4.05	3.70
Race and Hispanic or Latino Ethnicity									
White	5.07	5.32	4.83	0.39	0.23	0.71	0.83	2.69	2.39
Black or African American	5.55	6.13	5.09	0.32	0.12	0.77	0.84	3.35	2.72
Hispanic or Latino ethnicity	4.85	5.28	4.41	0.46	0.19	0.76	0.79	2.78	2.53
Employment Status									
Employed	4.23	4.53	3.89	0.35	0.21	0.65	0.74	2.26	1.83
Employed full-time	4.06	4.33	3.66	0.32	0.19	0.64	0.67	2.21	1.76
Employed part-time	4.83	5.60	4.40	0.52	0.24	0.75	0.91	2.55	2.00
Not employed	6.71	7.66	6.12	0.48	0.21	0.90	0.95	3.98	3.19
Presence of children									
No household children under 18	5.62	5.87	5.36	0.39	0.21	0.71	0.84	3.07	2.69
Household children under 18	4.35	4.64	4.10	0.39	0.20	0.74	0.82	2.21	2.02
Children 13 to 17 years, none younger	4.77	5.14	4.45	0.47	0.22	0.78	0.84	2.26	2.18
Children 6 to 12 years, none younger	4.44	4.76	4.18	0.43	0.25	0.76	0.80	2.27	2.01
Youngest child under 6 years	4.02	4.23	3.84	0.30	0.16	0.70	0.83	2.14	1.93
Educational attainment, 25 years and over									
Less than high school	6.29	6.75	5.87	0.32	0.11	0.76	0.85	3.94	3.47
High school diploma ¹	5.36	5.52	5.21	0.32	0.13	0.68	0.84	3.19	2.81
Less than a bachelor's degree	4.78	5.08	4.53	0.26	0.17	0.63	0.76	2.70	2.28
Bachelor's degree or higher ²	4.29	4.56	4.01	0.38	0.28	0.62	0.74	2.11	1.66

¹Includes persons with a high school diploma or equivalent.

²Includes persons with bachelor's, master's, professional, and doctoral degrees.

Table 12-6. Average Hours per Day Spent in Leisure and Sports Activities for the Total Population by Selected Characteristics, 2003 Annual Averages—Continued

(Number.)

Characteristic	Reading		Relaxing/thinking		Playing games and computer use for leisure		Other leisure and sports activities including travel ³	
	Men	Women	Men	Women	Men	Women	Men	Women
Age								
Total, 15 years and over	0.33	0.40	0.34	0.32	0.36	0.23	0.52	0.43
15 to 24 years	0.14	0.14	0.22	0.22	0.80	0.43	0.79	0.65
25 to 34 years	0.14	0.18	0.24	0.24	0.36	0.19	0.42	0.37
35 to 44 years	0.20	0.26	0.26	0.22	0.21	0.16	0.45	0.38
45 to 54 years	0.30	0.34	0.38	0.30	0.24	0.18	0.45	0.37
55 to 64 years	0.43	0.55	0.39	0.34	0.25	0.21	0.45	0.42
65 years and over	0.94	1.01	0.66	0.63	0.26	0.24	0.54	0.37
Race and Hispanic or Latino Ethnicity								
White	0.35	0.44	0.31	0.29	0.34	0.23	0.53	0.43
Black or African American	0.19	0.18	0.58	0.56	0.45	0.28	0.47	0.38
Hispanic or Latino ethnicity	0.15	0.13	0.33	0.24	0.27	0.12	0.53	0.41
Employment Status								
Employed	0.23	0.28	0.28	0.23	0.30	0.19	0.45	0.41
Employed full-time	0.21	0.26	0.28	0.23	0.26	0.16	0.42	0.39
Employed part-time	0.34	0.32	0.31	0.23	0.50	0.24	0.64	0.46
Not employed	0.57	0.57	0.50	0.44	0.52	0.30	0.70	0.45
Presence of children								
No household children under 18	0.40	0.54	0.38	0.38	0.37	0.25	0.55	0.44
Household children under 18	0.20	0.21	0.28	0.23	0.35	0.21	0.47	0.41
Children 13 to 17 years, none younger	0.28	0.29	0.30	0.26	0.55	0.22	0.49	0.44
Children 6 to 12 years, none younger	0.19	0.23	0.27	0.22	0.33	0.21	0.51	0.46
Youngest child under 6 years	0.15	0.14	0.27	0.23	0.25	0.20	0.43	0.35
Educational attainment, 25 years and over								
Less than high school	0.29	0.35	0.79	0.65	0.19	0.12	0.44	0.31
High school diploma ¹	0.25	0.45	0.41	0.41	0.23	0.21	0.44	0.37
Less than a bachelor's degree	0.37	0.44	0.31	0.27	0.33	0.23	0.47	0.38
Bachelor's degree or higher ²	0.52	0.54	0.18	0.17	0.27	0.17	0.48	0.44

Note: Unless otherwise specified, data refer to respondents 15 years and over. Hispanics may be of any race.

¹Includes persons with a high school diploma or equivalent.

²Includes persons with bachelor's, master's, professional, and doctoral degrees.

³Includes other leisure and sports activities, not elsewhere classified, and travel related to leisure and sports activities.

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