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Department of Labor
Bureau of Labor Statistics
Cary 1999 .

In this issue:
1998 annual averages
Revised seasonally adjusted household data
Data on union affiliation
Median weekly earnings for detailed occupations

Employee absences

## U.S. DEPARTMENT OF LABOR

Alexis M. Herman, Secretary

## BUREAU OF LABOR STATISTICS

Katharine G. Abraham, Commissioner

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## January 1999

Vol. 46 No. 1

## Calendar of Features

In addition to the monthly data appearing regularly in Employment \& Earnings, special features appear in most of the issues as shown below.

## Household data

| Annual averages | Jan. |
| :---: | :---: |
| Union affiliation | Jan. |
| Eamings by detailed occupation | Jan. |
| Employec absences | Jan. |
| Revised seasonally adjusted series | Jan. |
| Quarterly averages: Scasonally adjusted data, persons of Hispanic origin, Vietnam-era veterans and nonveterans, and weekly earnings data | Jan., Apr., July, Oct. |
| Establishment data |  |
| National annual averages: |  |
| Industry divisions (preliminary) | Jan. |
| Industry detail | March, June |
| Women employees | March, June |
| National data revised to reflect new benchmarks and new seasonal adjustment factors | June |
| State and area annual revisions | March |
| State and area annual averages | May |
| Area definitions | May |
| Region, State, and area labor force data |  |
| Annual revisions | March |
| Annual averages | May |

## Establishment data

National annual averages:

March, June

March, JuneArea definitionsMay
Region, State, and area labor force data

## Employment and Earnings

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## Editors'Note

With this issue, seasonally adjusted unemployment and other labor force series derived from the Current Population Survey (household survey) have been revised to reflect updated seasonal adjustment factors which incorporate the experience through December 1998. As a result, seasonally adjusted data for 1994-98 are subject to revision. Revised current data appear in table A, tables A-1 through A-13, and D-1 through D-11.

The article beginning on page 3 discusses the effect of the revisions, describes the seasonal adjustment method, and includes the new seasonal adjustment factors to be used to calculate the major civilian labor force series for January-June 1999.

Historical seasonally adjusted monthly and quarterly data also are available on the Internet. Internet users can access these data from the ftp://ftp.bis.gov/pub/special.requests/ff directory.

## Contents

List of statistical tables .................................................................................... ii
Contents to the explanatory notes and estimates of error ............................... vii
Employment and unemployment developments, December 1998 ................. 1
Summary tables and charts ............................................................................. 7
Explanatory notes and estimates of error ....................................................... 231
Index to statistical tables .................................................................................. 268

## Statistical tables

| Source | Historical | Seasonally adjusted | Not seasonally adjusted | Other features |
| :---: | :---: | :---: | :---: | :---: |
| Household data ................................................................. | 9 | 11 | 22 |  |
| Establishment data: |  |  |  |  |
| Employment: |  |  |  |  |
| National .................................................................... | 48 | 52 | 69 |  |
| State .......................................................................... |  | 57 | 82 |  |
| Area .......................................................................... |  |  | 82 |  |
| Hours and earnings: |  |  |  |  |
| National .................................................................... | 49 | 65 | 100 |  |
| State and area ............................................................ |  |  | 123 |  |
| Local area labor force data: |  |  |  |  |
| Region ......................................................................... |  | 127 |  |  |
| State ............................................................................. |  | 129 | 134 |  |
| Area ............................................................................ |  |  | 134 |  |
| Household data: |  |  |  |  |
| Quarterly averages ........................................................ |  | 140 | 151 |  |
| Annual averages ........................................................... |  |  |  | 166 |
| Establishment data: |  |  |  |  |
| Annual averages ............................................................ |  |  |  | 227 |

## Monthly Household Data

## Historical

A-1. Employment status of the civilian noninstitutional population 16 years and over, 1965 to date ..... 9
A-2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1987 to date ..... 10
Seasonally Adjusted Data
Employment Status
A-3. Employment status of the civilian noninstitutional population by sex and age ..... 11
A-4. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin ..... 12
A-5. Employment status of the civilian noninstitutional population 25 years and over by educational attainment ..... 14
A-6. Employed and unemployed full- and part-time workers by sex and age ..... 15
Characteristics of the Employed
A-7. Employed persons by marital status, occupation, class of worker, and part-time status ..... 16
A-8. Employed persons by age and sex ..... 17
Characteristics of the Unemployed
A-9. Unemployed persons by age and sex ..... 18
A-10. Unemployment rates by age and sex ..... 19
A-11. Unemployment rates by occupation, industry, and selected demographic characteristics. ..... 20
A-12. Unemployed persons by reason for unemployment ..... 21
A-13. Unemployed persons by duration of unemployment ..... 21
Not Seasonally Adjusted Data
Employment Status
A-14. Employment status of the civilian noninstitutional population by age, sex, and race ..... 22
A-15. Employment status of the civilian noninstitutional population by race, sex, and age ..... 25
A-16. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin ..... 26
A-17. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, sex, race, and Hispanic origin ..... 28
A-18. Employed and unemployed full- and part-time workers by age, sex, and race ..... 29
Characteristics of the Employed
A-19. Employed persons by occupation, sex, and age ..... 30
A-20. Employed persons by occupation, race, and sex ..... 31
A-21. Employed persons by industry and occupation ..... 32
A-22. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker ..... 33
A-23. Persons at work in agriculture and nonagricultural industries by hours of work ..... 34
A-24. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than 35 hours and usual full- or part-time status ..... 34
A-25. Persons at work in nonagricultural industries by class of worker and usual full- or part-time status ..... 35
A-26. Persons at work in nonagricultural industries by age, sex, race, marital status, and usual full- or part-time status .. ..... 36
A-27. Persons at work in nonfarm occupations by sex and usual full- or part-time status ..... 37
Characteristics of the Unemployed
A-28. Unemployed persons by marital status, race, age, and sex ..... 38
A-29. Unemployed persons by occupation and sex ..... 39
A-30. Unemployed persons by industry and sex ..... 40
A-31. Unemployed persons by reason for unemployment, sex, age, and race ..... 41
A-32. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment ..... 42
A-33. Unemployed total and full-time workers by duration of unemployment ..... 42
A-34. Unemployed persons by age, sex, race, marital status, and duration of unemployment ..... 43
A-35. Unemployed persons by occupation, industry, and duration of unemployment ..... 44
Persons Not in the Labor Force
A-36. Persons not in the labor force by desire and availability for work, age, and sex ..... 44
Multiple Jobholders
A-37. Multiple jobholders by selected demographic and economic characteristics ..... 45
Vietnam-era Veterans and Nonveterans
A-38. Employment status of male Vietnam-era veterans and nonveterans by age ..... 46
Page
Historical
B-1. Employees on nonfarm payrolls by major industry, 1947 to date ..... 48
B-2. Average hours and earnings of production or nonsupervisory workers on private nonfarm payrolls by major industry, 1964 to date ..... 49
Seasonally Adjusted Data
Employment
National
B-3. Employees on nonfarm payrolls by major industry and selected component groups ..... 52
B-4. Women employees on nonfarm payrolls by major industry and manufacturing group ..... 54
B-5. Production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group ..... 55
B-6. Diffusion indexes of employment change ..... 56
States
B-7. Employees on nonfarm payrolls by State and major industry ..... 57
Hours and Earnings
National
B-8. Average weekly hours of production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group ..... 65
B-9. Indexes of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group ..... 66
B-10. Hours of wage and salary workers on nonfarm payrolls by major industry ..... 67
B-11. Average hourly and weekly earnings of production or nonsupervisory workers on private nonfarm payrolls by major industry ..... 68
Not Seasonally Adjusted Data
Employment
National
B-12. Employees on nonfarm payrolls by detailed industry ..... 69
B-13. Women employees on nonfarm payrolls by major industry and manufacturing group ..... 81
States and Areas
B-14. Employees on nonfarm payrolls in States and selected areas by major industry ..... 82
Hours and Earnings
National
B-15. Average hours and earnings of production or nonsupervisory workers on private nonfarm payrolls by detailed industry ..... 100
B-15a. Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing ..... 120
B-16. Average hourly earnings, excluding overtime, of production workers on manufacturing payrolls. ..... 121
B-17. Average bourly and weekly earnings of production or nonsupervisory workers on private nonfarm payrolls by major industry, in current and constant (1982) dollars ..... 122
States and Areas
B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas..... ..... 123
Monthly Regional, State, and Area Labor Force Data
Seasonally Adjusted Data
C-1. Labor force status by census region and division ..... 127
C-2. Labor force status by State ..... 129
Not Seasonally Adjusted Data
C-3. Labor force status by State and metropolitan area ..... 134

## Annual Averages-Household Data-Continued

## Union Affillation Data

40. Union affiliation of employed wage and salary workers by selected characteristics ..... 219
41. Median weekly earnings of full-time wage and salary workers by union affiliation and selected characteristics ... ..... 220
42. Union affiliation of employed wage and salary workers by occupation and industry ..... 221
43. Median weekly eamings of full-time wage and salary workers by union affiliation, occupation, and industry ..... 222
Employee Absences Data
44. Absences from work of employed full-time wage and salary workers by age and sex ..... 223
45. Absences from work of employed full-time wage and salary workers by occupation and industry ..... 224
Vietnam-era Veterans and Nonveterans Data
46. Employment status of male Vietnam-era veterans and nonveterans by age ..... 225
47. Employment status of male Vietnam-cra veterans and nonveterans by age, race, and Hispanic origin ..... 226
Annual Averages-Establishment Data
Employment-National
48. Employees on nonfarm payrolls by major industry and selected component groups ..... 227
49. Production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group ..... 229
Hours and Earnings-National
50. Average hours and earnings of production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group ..... 230
Page
Introduction ..... 231
Relation between the household and establishment series ..... 231
Comparability of household data with other series ..... 232
Comparability of payroll employment data with other series ..... 232
Household data ..... 2.33
Collection and coverage ..... 233
Concepts and definitions ..... 233
Historical comparability ..... 235
Changes in concepts and methods ..... 235
Noncomparability of labor force levels ..... 237
Changes in the occupational and industrial classification systems ..... 239
Sampling ..... 239
Selection of sample areas ..... 240
Selection of sample households ..... 240
Rotation of sample ..... 241
CPS sample, 1947 to present ..... 241
Estimating methods ..... 242
Noninterview adjustment ..... 242
Ratio estimates ..... 242
First stage ..... 242
Second stage ..... 242
Composite estimation procedure ..... 242
Rounding of estimates ..... 243
Reliability of the estimates ..... 243
Nonsampling error ..... 243
Sampling error (Revised effective Jan. 1996) ..... 243
Tables 1-B through 1-H ..... 244
Establishment data ..... 25
Collection ..... 251
Concepts ..... 251Page
Establishment data--Continued
Estimating methods ..... 254
Benchmarks ..... 254
Monthly estimation ..... 254
Stratification ..... 254
Link relative technique ..... 254
Bias adjustment ..... 254
Summary of methods table ..... 255
The sample ..... 256
Design ..... 256
Coverage ..... 257
Reliability ..... 257
Measures of error tables ..... 257
Benchmark revision as a measure of survey error ..... 257
Estimated standard errors for employment, hours, and earnings ..... 258
Standard errors for differences between industries and times ..... 258
Noneconomic code changes ..... 258
Revisions between preliminary and final data ..... 261
Statistics for States and areas ..... 261
Region, State, and area labor force data ..... 264
Federal-State cooperative program ..... 264
Estimating methods ..... 264
Estimates for States ..... 264
Current monthly estimates. ..... 264
Benchmark correction procedures ..... 264
Estimates for sub-State areas ..... 265
Preliminary estimate:
Employment ..... 265
Unemployment ..... 265
Sub-State adjustment for additivity ..... 265
Benchmark correction ..... 265
Seasonal adjustment ..... 266

# Employment and Unemployment Developments, December 1998 

Employment rose in December and the unemployment rate, at 4.3 percent, was little changed. Nonfarm payroll employment rose by 378,000 . Growth was spread throughout the service-producing sector, and unusually mild weather across much of the country contributed to strength in construction.

## Unemployment

Both the number of unemployed persons, 6.0 million, and the unemployment rate, 4.3 percent, were little changed in December. The jobless rate has remained within a narrow range of 4.3 to 4.5 percent since April. The unemployment rates for the major worker groups-adult men (3.6 percent), adult women ( 3.9 percent), teenagers ( 14.0 percent), whites ( 3.8 percent), blacks ( 7.9 percent), and Hispanics ( 7.6 per-cent)-showed little or no change in December. (See tables A-3 and A-4.)

Although essentially unchanged in December, the number of persons unemployed 15 weeks and over has declined by about 300,000 over the year, after adjusting for the changes in the composite estimation procedure introduced last January. (See table A-I3.)

## Total employment and the labor force

Total employment increased by 413,000 in December to 132.5 million, seasonally adjusted. The employment-population ratio-the proportion of the population age 16 and older with jobs-was essentially unchanged at 64.2 percent. Over the year, employment grew by 2.2 million, after adjusting for the changes in the composite estimation procedure. (See table A-3.)

The number of persons employed part time for economic reasons (those who would have preferred full-time work) was 3.4 million in December, about the same as in the previous month. The number of such workers declined by about 330,000 during the past year, after adjusting for changes in the composite estimation procedure. (See table A-7.)

Approximately 8.2 million persons (not seasonally adjusted) held more than one job in December. These multiple jobholders comprised 6.2 percent of total employment, the same share as a year earlier. (See table A-37.)

Over the month, the civilian labor force rose by 354,000 to 138.5 million, seasonally adjusted. The labor force participation rate was 67.2 percent, about unchanged from the previous month. (See table A-3.)

## Persons not in the labor force

About 1.2 million persons (not seasonally adjusted) were marginally attached to the labor force in December. These were people who wanted and were available for work and had looked for a job sometime in the prior 12 months but were not counted as unemployed because they had not searched for work in the 4 weeks preceding the survey. In December, the number of marginally attached workers was 257,000 lower than a year earlier.

The number of discouraged workers-a subset of the marginally attached who were not currently looking for work specifically because they believed no jobs were available for them-was 358,000 in December, about the same as a year earlier. (See table A-36.)

## Industry payroll employment

Nonfarm payroll employment rose by 378,000 in December to 127.2 million, seasonally adjusted. Job growth in 1998 totaled 2.9 million, a 2.3 -percent increase. In December, job gains were spread throughout the service-producing sector, construction employment increased sharply, and job losses slowed in manufacturing. (See table B-3.)

The services industry added 111,000 jobs in December, about equal to the monthly average for the year. Employment in business services rose by 49,000 , led by the largest increase in personnel supply since August. Nevertheless, growth in personnel supply, which includes temporary help agencies, slowed substantially in 1998 compared to recent years. Robust job growth continued in computer services where employment rose by 13.3 percent for the year. Engineering and management services employment also continued its strong growth, increasing by 7.3 percent in 1998. For the second straight month, agricultural services benefited from unusually mild weather. Employment in health services was little changed in December, and, over the year, the number of health service jobs grew by only 1.3 percent, half its 1997 rate. Home health care and nursing homes both lost jobs in 1998.

Construction employment grew throughout much of 1998 and in December jumped by 104,000 (after seasonal adjustment). This robust increase was due in part to unseasonably warm temperatures in the North and East. Employment gains were widespread within the industry, with the largest increases in outside activities such as highway construction, masonry, roofing, and concrete.

Employment in retail trade rose by 53,000 in December, the second large increase in a row. Over the year, retail trade employment increased by 462,000 . In December, eating and drinking places added 33,000 jobs. A strong employment build-up for the holiday shopping season in department stores also contributed to the over-the-month gain in retail trade. In contrast, apparel stores and miscellaneous retail establishments did not hire for the holiday season at the usual pace, resulting in employment declines after seasonal adjustment both in December and over the September-December period as a whole. Reflecting the strength in construction, employment in building material and garden supply stores had its largest increase of the year in December $(9,000)$.

Transportation and public utilities employment rose in December by 32,000 , the largest over-the-month change for that industry in 1998. Strong growth in air transportation ( 13,000 ), trucking and warehousing ( 9,000 ), and communications $(9,000)$ accounted for most of the increase.

Finance, insurance, and real estate added 28,000 jobs in December, bringing its over-the-year growth to 273,000 jobs. Within finance, strong growth continued in mortgage banking and brokerages, where employment rose by 4,000 in December and by 19.8 percent over the year. Security brokerages also added 4,000 workers in December, offsetting a decline in the prior month; this industry grew by 7.6 percent in 1998. Insurance and real estate both continued their growth trends.

Government employment increased by 59,000 in December, led by gains in State and local education. Federal Government employment declined by 21,000 , seasonally adjusted, due in part to light holiday hiring in December by the Postal Service and the ending of an early phase of work on the decennial census.

Manufacturing employment continued to decline, although the loss of 13,000 jobs in December was much smaller than
the declines in the prior 2 months. Since March, the number of factory jobs has fallen by 272,000 . Within durable goods industries, employment in industrial machinery declined by 10,000 in December, bringing the total losses since March to 54,000 . A decline of 9,000 jobs in motor vehicles manufacturing followed a small drop in November and left auto employment down 12,000 for the year. Within nondurable goods industries, employment in food products increased by 8,000 , primarily in the preserved fruits and vegetables industry, which tends to have volatile month-to-month movements. Employment in manufacturing industries related to construction and home purchases (lumber; furniture; and stone, clay, and glass) grew in December and over the year.

## Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls edged up by 0.1 hour in December to 34.6 hours, seasonally adjusted. The manufacturing workweek increased by 0.2 hour to 41.8 hours, while factory overtime was 4.5 hours for the fourth consecutive month. (See table B-8.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose by 0.5 percent to $146.5(1982=100)$, seasonally adjusted. The manufacturing index increased by 0.3 percent to 107.5 . (See table B-9.)

## Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls rose 5 cents in December to $\$ 12.98$, seasonally adjusted; this follows 3 months of smaller gains. Average weekly earnings increased 0.7 percent to $\$ 449.11$. Over the year, average hourly and weekly earnings have risen by 3.8 percent and 3.5 percent, respectively. (See table B-11.)

## Planned Changes in the Household Survey Data

Effective with the release of data for January 1999, revisions will be introduced into the population controls used for the household survey. These revisions primarily reflect new information on immigration and will result in an upward shift in the estimated total civilian noninstitutional population 16 years and over for January 1999. The changes will add approximately 308,000 to routine population trend growth between December 1998 and January 1999. The impact will vary for subpopulations such as men ( $-183,000$ ), women $(491,000)$, Hispanic origin $(-163,000)$, and non-Hispanic origin $(471,000)$. The changes and their effect on the estimates of labor force change and composition will be described in an article slated to appear in the February 1999 issue of Employment and Earnings.

| Scheduled Release Dates |  |  |  |
| :--- | :--- | :--- | :--- |
| Employment and unemployment data are scheduled for initial release on the <br> following dates: |  |  |  |
| Reterence month | Release date | Reference month | Release date |
| January <br> February <br> March | February 5 <br> March 5 <br> April 2 | April <br> May <br> June | May 7 <br> June 4 <br> July 2 |

# Revision of Seasonally Adjusted Labor Force Series 

Robert J. McIntire

The original data values for many economic time series are often substantially influenced by seasonality, reflecting recurring calendar-related effects caused by weather, holidays, the opening and closing of schools, and other such seasonal events. Seasonal adjustment is a process used to estimate and remove that seasonality. The reason for doing so is to make it easier to observe and analyze the nonseasonal movements in the series, particularly shortterm movements associated with business cycles.

The seasonal adjustment process produces estimates of seasonality, called seasonal factors, for the period of observations used in the process and for some projected observations immediately following that period. For the labor force series, initial seasonal adjustment of current data is done using the projected seasonal factors. These factors are estimates of how much the original unadjusted values can be expected to deviate from underlying trend-cycle levels due to recurring behavior as projected from average seasonal patterns in the recent past.
Even though seasonality involves regularly recurring patterns, it does tend to change or at least evolve over time, creating a need for periodic reestimation of factors and revision of recently adjusted estimates. By including more recent data in the estimation process, the revision process can provide better estimates of how much the original, unadjusted estimates actually deviated from underlying trend-cycle levels during the recent period, thereby improving the historical seasonally adjusted data for that period. In addition, the new information is incorporated to produce the new projected factors to be used for current seasonal adjustment.

Therefore, at the end of each calendar year, the Bureau of Labor Statistics reestimates the seasonality of the unemployment, employment, and other labor force series derived from the Current Population Survey (CPS) by including another full year of data in the estimation process. Based on this annual reestimation, BLS issues the projected factors for the first 6 months of the new year as well as revised estimates of historical seasonally adjusted data. Prior to 1994, when significant changes were introduced in the survey and the processing procedures on which the labor force series estimates are based ${ }^{\prime}$, the usual practice had been to subject each year's seasonally adjusted data to five revision cycles before the values were considered final. With the accumu-

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lation of 5 years of data since 1994, this year's revisions reflect a return to that usual practice. The fifth and final revisions in the earliest of the 5 years are usually quite small, while the first-time revisions in the most recent year can be much more substantial, although even these rarely alter the essential trends observed in the initial major estimates. This year's revisions incorporate data through December 1998 and provide revised estimates for January 1994 through December 1998 for all previously seasonally adjusted labor force series.

Table 1 contains the new projected seasonal factors to be applied during the first 6 months of 1999 to the 12 component series used in the computation of the seasonally adjusted civilian labor force and unemployment rate. (See the section on aggregation procedures later in the article.) Projected factors for the last 6 months of 1999 will be published in the July issue of this publication.

## Effect of revisions

One of the criteria used to evaluate alternative methods of seasonal adjustment is how close initial estimates are to subsequent revisions. Policy makers and analysts must make determinations based on current information. Therefore, it is important that the initial estimates of current factors for the seasonal adjustment of major economic series produce estimates of level and change that are as close as possible to the improved estimates that will be made after more data have become available. Even though the revisions currently being released for the 1998 seasonally adjusted data are not final, the first revisions are usually more substantial than, and often indicate the direction of, any subsequent revisions. Therefore, it is appropriate to compare these first revisions with the initial estimates. Table 2 shows the civilian unemployment rate for 1998 as first computed and as revised, as well as the changes due to revision. Rounded to one decimal place as published, the rate changed in only 5 of the 12 months, and the absolute effect of the changes never exceeded 0.1 percentage point in any of those months. The revised rates suggest slightly smoother behavior during 1998 than the initial estimates did.

## Adjustment methods and procedures

The official seasonal adjustment procedure for the labor force series is the X-11 ARIMA program, which was developed at Statistics Canada during the 1970s as an extension of and

[^0]| Procedure and series | Prior adjustment factors | Seasonal adjustment factors |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | January | February | March | April | May | June |
| Multiplicative adjustment (Divide factor into original value) |  |  |  |  |  |  |  |
| Agricultural employment: <br> Men, 20 years and over | (1) | . 891 | . 883 | . 939 | . 994 | 1.065 | 1.082 |
| Women, 20 years and over ........................... | . 776 | . 903 | . 903 | . 916 | . 970 | 1.005 | 1.043 |
| Men, 16 to 19 years ............................. | . 860 | . 680 | . 675 | . 756 | . 914 | 1.183 | 1.480 |
| Women, 16 to 19 years ......................... | . 853 | . 686 | . 626 | . 805 | . 785 | 1.168 | 1.513 |
| Nonagricultural employment: <br> Men, 20 years and over | ${ }^{2} .996$ | . 987 | . 991 | . 994 | . 998 | 1.003 | 1.005 |
| Women, 20 years and over .................... | (1) | . 995 | 1.000 | 1.005 | 1.001 | 1.000 | . 993 |
| Unemployment: |  |  |  |  |  |  |  |
| Men, 20 years and over ....................... | . 938 | 1.206 | 1.161 | $1.160$ | 1.001 | .920 .944 | . 939 |
| Women, 20 years and over ................... | . 976 |  | 1.029 | 1.013 | . 912 | . 944 | 1.010 |
| Additive adjustment (Subtract factor from original value) |  |  |  |  |  |  |  |
| Nonagricultural employment: |  |  |  |  |  |  |  |
| Men, 16 to 19 years Women, 16 to 19 years | -68 -96 | -316 -213 | -276 -208 | -235 -134 | -187 -193 | -104 -98 | 391 313 |
| Unempioyment: |  |  |  |  |  |  |  |
| Men, 16 to 19 years ............................ | -47 | 7 | -12 | 2 | -53 | -9 | 212 |
| Women, 16 to 19 years ......................... | (') | -46 | -37 | -55 | -66 | 48 | 212 |

${ }^{1}$ No prior adjustment was done.
${ }^{2}$ For this series, the prior adjusted period was pre-1997 rather than pre-1994.
improvement to the widely used $\mathrm{X}-11$ method developed at the U.S. Bureau of the Census in the 1960s. ${ }^{2}$ The X-11 ARIMA method improves current estimates for most series by allowing recent observations, especially those of the last 6 months, to weigh more heavily in the estimates of current and recent seasonal factors than did the X-11 alone. The method provides this improvement through the use of ARIMA models to extend the data series by 12 months. The X-11 algorithm for seasonal adjustment is then applied to the extended series.

ARIMA models. ARIMA projections are based only on the past experience observed in a series itself. ARIMA models have proved to have good properties for short-term projection or extrapolation of a large class of time series, especially in a seasonal adjustment context, since the extrapolations tend to track intra-year movements quite well. The ARIMA models in the X-11 ARIMA program used to seasonally adjust the labor force series are of the Box-Jenkins type. ${ }^{3}$ They can generally be described with the notation:

## (p,d,q)(P,D,Q) TRANSFORMATION,

[^1]
## Where:

(1) $p$ is the number of regular (nonseasonal) autoregressive parameters
(2) $d$ is the number of regular differences
(3) q is the number of regular moving average parameters
(4) $P$ is the number of seasonal autoregressive parameters
(5) $D$ is the number of seasonal differences
(6) $Q$ is the number of seasonal moving average parameters
(7) TRANSFORMATION may be NONE, LOG, or POWER(n).

Although the lettered elements within the parentheses of the model specifications can theoretically take on many values, in practice, only small values are useful. (See table 3.)

For each labor force series which has been extended based on an ARIMA model, the model has been specifically chosen as well suited to the particular series, based on a set of established criteria. The criteria essentially require a model to: (1) Fit the series well, (2) have low average forecasting

[^2]Table 2. Seasonally adjusted unemployment rates in 1998 and change due to revision

| Month | As first computed | As revised | Change |
| :---: | :---: | :---: | :---: |
| January ........................................ | 4.7 | 4.6 | -0.1 |
| February ....................................... | 4.6 | 4.6 | 0 |
| March ........................................... | 4.7 | 4.7 | 0 |
| April | 4.3 | 4.3 | 0 |
| May ............................................. | 4.3 | 4.4 | . 1 |
| June ............................................ | 4.5 | 4.5 | 0 |
| July ............................................. | 4.5 | 4.5 | 0 |
| August .......................................... | 4.5 | 4.5 | 0 |
| September ..................................... | 4.6 | 4.5 | -. 1 |
| October ........................................ | 4.6 | 4.5 | -. 1 |
| November ..................................... | 4.4 | 4.4 | 0 |
| December ...................................... | '4.4 | 4.3 | -. 1 |

${ }^{1}$ This rate reflects the use of seasonal factors projected for December 1998 as published in the July 1998 issue of Employment and Earnings and was subject to revision before regular publication of December data.
errors in the last 3 years prior to the projected year, and (3) produce residuals (the differences between the observed values and the values forecast by the model for the observed period) which follow a random pattern. Acceptable ARIMA models have been identified and were used for 175 of the 181 labor force series that were directly adjusted at the end of 1998, including all 12 major civilian labor force components, whose ARIMA models are unchanged since 1997 and are shown in table 3. The six remaining series for which acceptable models have not been identified were simply run through the X-11 part of the program without any ARIMA extrapolations.
$X-11$ procedures. The procedures used for this year's adjustment of the labor force series within the X-11 part of the process were different from the standard procedures of most previous years in two respects.

First, temporary prior adjustment factors identical to those used last year were used again in these X-I1 ARIMA runs to help prevent estimation of the seasonal component from being distorted by the changes that affected the continuity of many of the series in 1994 or 1997. ${ }^{4}$ The prior adjustment factors used for all 12 major components are shown in table 1 alongside the seasonal factors.

Second, instead of a 10 -year span, a 9 -year time period, including data from January 1990 through December 1998, was used for the adjustment of all the labor force series except for the eight educational attainment series (which begin in 1992). This was done primarily for the sake of keeping the seasonal adjustment process no more complicated than it has to be to serve its principal objectives. Popula-tion-related revisions to the unadjusted data discussed in

[^3]the March 1996 version of this article could be done only back to 1990. Inclusion of pre-1990 data in these runs, therefore, would have required the computation and use of additional prior adjustment factors for many series that would have had little or no effect on the seasonal adjustment of current data.

The X-I1 method of seasonal adjustment contained in the X-11 ARIMA procedure assumes that the original series, including the 12 extrapolated observations if an ARIMA model has been applied, is either the product or the sum of three components-trend-cycle, seasonal, and irregular. The method uses either a ratio-to- or difference-from-moving-average approach to estimate the components, depending on whether the multiplicative or additive model is used. The seasonally adjusted series values are computed by dividing each month's original value by the corresponding seasonal factor if the multiplicative model is used, or by subtracting the factor if the additive model is used. Of the 12 major civilian labor force components, the 4 teenage unemployment and nonagricultural employment series were adjusted using the additive model, and the other 8 series with the multiplicative model. Of all the 181 directly adjusted series, 48 were adjusted with the additive model, including most teenage employment and unemployment series, for which the seasonal components were found to be fairly independent of the trend-cycle.

Moving-holiday adjustment. Two of the series directly adjusted with multiplicative models were seasonally adjusted using the moving-holiday extension of X-11 ARIMA which was developed at BLS. Both holiday-adjusted series-persons at work on part-time schedules for noneconomic reasons who usually work part time in all industries and nonagricultural industries-had tested as having significant and well-defined effects in their April data related to the timing of Easter. A detailed discussion of the nature of the Easter effect in these series and of the procedure used to

Table 3. ARIMA models used in end-of-1998 seasonal adjustment for the 12 major civilian labor force components

| Series | Model | Transformation |
| :---: | :---: | :---: |
| Agricultural employment: |  |  |
| Men, 20 years and over | $(1,0,0)(0,1,1)$ | LOG |
| Women, 20 years and over ........ | $(0,1,1)(0,1,1)$ | LOG |
| Men, 16 to 19 years .................. | $(0,1,2)(0,1,1)$ | NONE |
| Women, 16 to 19 years .............. | $(2,1,2)(0,1,1)$ | NONE |
| Nonagricuitural employment: |  |  |
| Men, 20 years and over ............. | $(0,1,1)(0,1,1)$ | LOG |
| Women, 20 years and over ......... | $(0,1,4)(0,1,1)$ | LOG |
| Men, 16 to 19 years ................... | $(2,1,0)(0,1,1)$ | NONE |
| Women, 16 to 19 years ............... | $(2,1,0)(0,1,1)$ | NONE |
| Unemployment: |  |  |
| Men, 20 years and over ............. | (0,1,3)(0,1,1) | LOG |
| Women, 20 years and over ......... | $(0,1,1)(0,1,1)$ | LOG |
| Men, 16 to 19 years .................. | $(0,1,1)(0,1,1)$ | NONE |
| Women, 16 to 19 years .............. | $(2,1,2)(0,1,1)$ | NONE |

control for it as part of the seasonal adjustment process was included in the January 1990 version of this article.

Six-month updates. The current official practice for the seasonal adjustment of the labor force series involves the running of all directly adjusted series through X-11 ARIMA twice each year. This is done after receipt of June and December data, with 6 months of projected factors drawn from each run and historical revisions drawn from the end-of-year run. This practice allows, among other things, the prior publication of seasonal factors, which historically has been regarded by the Bureau of Labor Statistics and other statistical agencies as an important way of ensuring the openness of their seasonal adjustment procedures, especially where very sensitive indicators such as the unemployment rate have been involved. A number of research studies, including a 1987 one on the labor force series, ${ }^{5}$ have indicated that the alternative practice of concurrent adjustment, where the seasonal adjustment procedure is run with all available data each month and factors cannot be published ahead of time, generally produces initial seasonally adjusted estimates requiring smaller revisions than those produced by adjustment using projected factors. BLS is continuing to compute and evaluate concurrent adjustment for the labor force series.

## Aggregation procedures

BLS maintains and publishes several hundred seasonally adjusted labor force series in addition to the 181 directly adjusted series discussed above. These additional series are produced by arithmetically combining or aggregating the directly adjusted series with each other or, in some cases, with series on population which are not seasonally adjusted because they are not considered to have any significant seasonal variation. For example, the seasonally adjusted levels of total unemployment, civilian employment, and civilian labor force, and the seasonally adjusted unemployment rate for all civilian workers, are all produced by aggregation of some or all of the seasonally adjusted results for the 12 major civilian labor force components. The seasonally adjusted level of total unemployment is the sum of the seasonally adjusted levels of unemployment for the four agesex groups-men and women 16 to 19, and men and women 20 years and over. Seasonally adjusted civilian employment is the sum of the seasonally adjusted levels of employment for the eight employment components-the same four age-sex groups as noted above employed in nonagricultural and agricultural industries. The seasonally adjusted civilian labor force is the sum of all 12 components. The

[^4]seasonally adjusted civilian unemployment rate is calculated by taking the total seasonally adjusted unemployment level as a percent of the total seasonally adjusted civilian labor force.

The principal reason for producing many of the major seasonally adjusted estimates for the labor force by aggregation rather than by direct adjustment is that this approach ensures that the major seasonally adjusted totals will be arithmetically consistent with at least one major set of components. If the totals were directly adjusted along with the components, such consistency would not, in all likelihood, occur, because the $\mathrm{X}-11$ is not a sum-preserving procedure. That is, the sum of the result for two or more directly adjusted series will not generally be the same as the result of directly adjusting the sum of the unadjusted versions of the same series. Another factor is that it would generally be inappropriate to apply seasonal factors computed for an aggregate series to the components of the aggregate. The various labor force components tend to have significantly different patterns of seasonal variation; for example, teenage unemployment tends to peak in June, while unemployment of adult men tends to peak in the winter months of January and February. In order to estimate properly these varying seasonal patterns, it is necessary to adjust the components directly. Of course, one of the implications of producing seasonally adjusted estimates for many major series by aggregation is that exact factors cannot be projected for those series. However, implicit seasonal adjustment factors can be calculated after the fact by taking the ratio of the unadjusted aggregate to the seasonally adjusted aggregate, or, for additive implicit factors, the difference between those two aggregates.

## Availability of revised series

This issue of Employment and Earnings contains revised monthly and quarterly data for the most recent 13 months and calendar quarters for many seasonally adjusted labor force series. These revisions replace the seasonally adjusted estimates previously published for those periods. Revised historical seasonally adjusted labor force data also are available in various forms on the Internet (stats.bls.gov), including ftp access (ftp://stats.bls.gov/pub/ special.requests/f) to all the revised data. The seasonally adjusted data last published for 1993 and earlier years were not further revised.

The January-June 1999 factors for any of the directly adjusted series beyond the 12 major components can be obtained from BLS upon request. Requests for the seasonal factors or inquiries concerning the seasonal adjustment methodology used for the labor force data should be addressed to the Division of Data Development and Publications, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics, Washington, DC 20212.
(Numbers in thousands)

| Category | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|  | Labor force status |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 204,098 | 204,238 | 204,400 | 204,547 | 204,731 | 204,899 | 205,085 | 205,270 | 205.479 | 205,699 | 205.919 | 206,104 | 206,270 |
| Civilian labor force ........................................... | 137,086 | 137,288 | 137,384 | 137,340 | 137,232 | 137,369 | 137.498 | 137,407 | 137,481 | 138,081 | 138,116 | 138,193 | 138,547 |
| Percent of population ................................... | 67.2 | 67.2 | 67.2 | 67.1 | 67.0 | 67.0 | 67.0 | 66.9 | 66.9 | 67.1 | 67.1 | 67.1 | 67.2 |
| Employed .................................................... | 130,638 | 130,943 | 131,021 | 130,908 | 131,280 | 131,330 | 131.253 | 131,176 | 131,264 | 131,818 | 131,858 | 132,113 | 132,526 |
| Percent of population ................................... | 64.0 | 64.1 | 64.1 | 84.0 | 64.1 | 64.1 | 64.0 | 63.9 | 63.9 | 64.1 | 64.0 | 64.1 | 64.2 |
| Unemployed ................................................ | 6,448 | 6,345 | 6,363 | 6,432 | 5,952 | 6,039 | 6,245 | 6,231 | 6,217 | 6,263 | 6,258 | 6,080 | 6.021 |
| Not in labor force ............................................ | 67,012 | 66,950 | 67,016 | 67,207 | 67,499 | 67,530 | 67,587 | 67.863 | 67,998 | 67,618 | 67,803 | 67,911 | 67,723 |
|  | Unemployment rates |  |  |  |  |  |  |  |  |  |  |  |  |
| All workers ....................................................... | 4.7 | 4.6 | 4.6 | 4.7 | 4.3 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.4 | 4.3 |
| Men, 20 years and over .................................. | 4.1 | 3.8 | 3.8 | 3.9 | 3.5 | 3.6 | 3.7 | 3.8 | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 |
| Women, 20 years and over ............................ | 4.1 | 4.2 | 4.2 | 4.2 | 4.1 | 3.9 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.9 |
| Both sexes, 16 to 19 years ............................. | 14.1 | 14.2 | 14.7 | 14.9 | 13.5 | 14.3 | 14.8 | 14.2 | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 |
| White .......................................................... | 3.9 | 4.0 | 3.9 | 4.0 | 3.7 | 3.8 | 4.0 | 3.8 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 |
| Black .......................................................... | 10.1 | 9.4 | 9.4 | 9.2 | 9.0 | 8.9 | 8.5 | 9.6 | 8.9 | 9.0 | 8.6 | 8.6 | 7.9 |
| Hispanic origin .............................................. | 7.2 | 7.0 | 6.9 | 7.0 | 6.7 | 6.9 | 7.5 | 7.2 | 7.4 | 7.4 | 7.3 | 7.3 | 7.6 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Seasonally
adjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

Summary table B. Employment, hours, and earnings of production or nonsupervisory workers on nonfarm payrolls, seasonally adjusted
(Numbers in thousands)

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Fob. | Mar. | Apr. | May | June | July | Aug. | Sept | Oct. | Now. ${ }^{\text {P }}$ | Dec. ${ }^{\text {P }}$ |
|  | Employment |  |  |  |  |  |  |  |  |  |  |  |  |
| Total. | 124,289 | 124,640 | 124,832 | 124,914 | 125,234 | 125,562 | 125,751 | 125,869 | 126,191 | 126,363 | 126,527 | 126,778 | 127,156 |
| Total private | 104,609 | 104,954 | 105,112 | 105,186 | 105,470 | 105,734 | 105,938 | 106,043 | 106,269 | 106,435 | 106,579 | 106,802 | 107,121 |
| Goods-producing industries | 25,193 | 25,297 | 25,314 | 25,276 | 25,339 | 25,301 | 25,304 | 25,135 | 25,253 | 25,241 | 25,209 | 25,184 | 25,272 |
| Mining . | 592 | 592 | 590 | 587 | 582 | 579 | 578 | 571 | 571 | 568 | 564 | 560 | 557 |
| Construction | 5,810 | 5,881 | 5,902 | 5,860 | 5,930 | 5,917 | 5,946 | 5,970 | 5,989 | 5,981 | 6,012 | 6,054 | 6,158 |
| Manufacturing | 18,791 | 18,824 | 18,822 | 18,829 | 18.827 | 18,805 | 18.780 | 18,594 | 18,693 | 18.692 | 18,633 | 18.570 | 18,557 |
| Servico-producing industries | 99,096 | 99,343 | 99,518 | 99,638 | 99,895 | 100,261 | 100,447 | 100,734 | 100,938 | 101,122 | 101,318 | 101,594 | 101,884 |
| Transportation and public utilities | 6,451 | 6,473 | 6,494 | 6,504 | 6,513 | 6,534 | 6,538 | 6,550 | 6,570 | 6,579 | 6,595 | 6,609 | 6,641 |
| Wholesale trade ... | 6,731 | 6,759 | 6,769 | 6,783 | 6,798 | 6,815 | 6,821 | 6,827 | 6,838 | 6,862 | 6,864 | 6,875 | 6,882 |
| Retail trade | 22,245 | 22,280 | 22,283 | 22,259 | 22,335 | 22,423 | 22,448 | 22,547 | 22,545 | 22,592 | 22.589 | 22,654 | 22,707 |
| Finance, insurance, and real estate | 7,194 | 7,213 | 7,232 | 7,258 | 7.289 | 7,311 | 7,333 | 7,370 | 7,372 | 7,393 | 7.417 | 7,439 | 7.467 |
| Services .................................... | 36,795 | 36,932 | 37,020 | 37,106 | 37,196 | 37,350 | 37,494 | 37,614 | 37,691 | 37,768 | 37,905 | 38,041 | 38,152 |
| Government ............................................... | 19,680 | 19,686 | 19,720 | 19,728 | 19,764 | 19,828 | 19,813 | 19,826 | 19,922 | 19,928 | 19,948 | 19,976 | 20,035 |
|  | Over-the-month change |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 345 | 351 | 192 | 82 | 320 | 328 | 189 | 118 | 322 | 172 | 164 | 251 | 378 |
| Total private | 327 | 345 | 158 | 74 | 284 | 264 | 204 | 105 | 226 | 166 | 144 | 223 | 319 |
| Goods-producing industries | 94 | 104 | 17 | -38 | 63 | . 38 | 3 | -169 | 118 | - 12 | -32 | -25 | 88 |
| Mining ...................................................... | 1 | 0 | -2 | -3 | -5 | -3 | -1 | -7 | 0 | -3 | -4 | -4 | -3 |
| Construction | 60 | 71 | 21 | -42 | 70 | -13 | 29 | 24 | 19 | -8 | 31 | 42 | 104 |
| Manufacturing | 33 | 33 | -2 | 7 | -2 | -22 | -25 | -186 | 99 | -1 | -59 | -63 | -13 |
| Service-producing industries | 251 | 247 | 175 | 120 | 257 | 366 | 186 | 287 | 204 | 184 | 196 | 276 | 290 |
| Transportation and public utilities | -5 | 22 | 21 | 10 | 9 | 21 | 4 | 12 | 20 | 9 | 16 | 14 | 32 |
| Wholesale trade | 20 | 28 | 10 | 14 | 15 | 17 | 6 | 6 | 11 | 24 | 2 | 11 | 7 |
| Rotail trade | 39 | 35 | 3 | -24 | 76 | 88 | 25 | 99 | -2 | 47 | -3 | 65 | 53 |
| Finance, insurance, and real estate ................. | 22 | 19 | 19 | 26 | 31 | 22 | 22 | 37 | 2 | 21 | 24 | 22 | 28 |
| Services | 157 | 137 | 88 | 86 | 90 | 154 | 144 | 120 | 77 | 77 | 137 | 136 | 111 |
| Government ............................................... | 18 | - | 34 | 8 | 36 | 64 | -15 | 13 | 96 |  | 20 | 28 | 59 |
|  | Hours of work' |  |  |  |  |  |  |  |  |  |  |  |  |
| Total private ................................................ | 34.7 | 34.8 | 34.7 | 34.6 | 34.5 | 34.7 | 34.6 | 34.6 | 34.6 | 34.4 | 34.6 | 34.5 | 34.6 |
| Manufacturing Overtime | 42.2 | 42.1 | 42.0 | 41.8 | 41.4 | 41.8 | 41.8 | 41.7 | 41.7 | 41.6 | 41.7 | 41.6 | 41.8 |
|  | 4.9 | 49 | 4.8 | 4.8 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 |
|  | Indexes of aggregate weekly hours (1982-100) ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Total private $\qquad$ Manufacturing | $\begin{aligned} & 143.6 \\ & 110.6 \end{aligned}$ | $\begin{aligned} & 144.6 \\ & 110.6 \end{aligned}$ | $\begin{aligned} & 144.4 \\ & 110.3 \end{aligned}$ | $\begin{aligned} & 143.8 \\ & 109.7 \end{aligned}$ | $\begin{aligned} & 144.0 \\ & 108.7 \end{aligned}$ | $\begin{aligned} & 144.9 \\ & 109.4 \end{aligned}$ | $\begin{aligned} & 144.8 \\ & 109.0 \end{aligned}$ | $\begin{aligned} & 145.2 \\ & 107.2 \end{aligned}$ | $\begin{aligned} & 145.3 \\ & 108.0 \end{aligned}$ | $\begin{aligned} & 144.9 \\ & 108.0 \end{aligned}$ | $\begin{aligned} & 145.8 \\ & 107.8 \end{aligned}$ | $\begin{aligned} & 145.7 \\ & 107.2 \end{aligned}$ | $\begin{aligned} & 146.5 \\ & 107.5 \end{aligned}$ |
|  | Earnings ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Average hourly earnings, total private: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Current dollars | \$12.50 | \$12.54 | \$12.59 | \$12.63 | \$12.70 | \$12.73 | \$12.76 | \$12.79 | \$12.85 | \$12.87 | \$12.90 | \$12.93 | \$12.98 |
| Constant (1982) dollars ${ }^{2}$ | 7.63 | 7.66 | 7.69 |  | 7.74 | 7.73 | 7.75 | 7.75 | 7.78 | 7.79 | 7.79 | 7.79 | N.A. |
| Average weekly earnings, total private ............... | 433.75 | 436.39 | 436.87 | 437.00 | 438.15 | 441.73 | 441.50 | 442.53 | 444.61 | 442.73 | 446.34 | 446.09 | 449.11 |

I Data relate to private production or nonsupenvisory workers.
${ }^{2}$ The Consumer Price index for Uban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.
$\mathrm{P}=$ preliminary.

## Chart 1. Nonfarm payroll employment, seasonally adjusted, 1994-98



Chart 2. Unemployment rate, seasonally adjusted, 1994-98


NOTE: Beginning in 1990, data reflect 1990 census-based population 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 incorporate revisions in the population controls. Beginning in 1998, data incorporate new composite estimation procedures and updated population controls. These changes affect comparability with data for prior periods.

## A-1. Employment status of the civilian noninstitutional population 16 years and over, 1965 to date

(Numbers in thousands)

| Year and month | Civilian noninstitutional population | Civilian labor force |  |  |  |  |  |  |  | Not in labor force |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Percent of population | Employed |  |  |  | Unemployed |  |  |
|  |  | Number |  | Number | Percent of population | Agriculture | Nonagricultural industries | Nurnber | $\begin{gathered} \text { Percent } \\ \text { of } \\ \text { fabor } \\ \text { force } \end{gathered}$ |  |
|  | Annual averages |  |  |  |  |  |  |  |  |  |
| 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 | 93,775 | 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 | 99,009 | 62.3 | 92,017 | 57.9 | 3,283 | 88,734 | 6,991 | 7.1 | 60,025 |
| $1978{ }^{1}$............. | 161,910 | 102,251 | 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 | 99,303 | 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 | 66,837 |
| $1998{ }^{2}$............. | 205,220 | 137,673 | 67.1 | 131,463 | 64.1 | 3,378 | 128,085 | 6,210 | 4.5 | 67,547 |
|  | Monthly data, seasonally adjusted ${ }^{3}$ |  |  |  |  |  |  |  |  |  |
| $\begin{aligned} & \text { 1997: } \\ & \text { December ..... } \end{aligned}$ | 204,098 | 137,086 | 67.2 | 130,638 | 64.0 | 3,383 | 127,255 | 6,448 | 4.7 | 67,012 |
|  |  |  |  |  |  |  |  |  |  |  |
| 1998: |  |  |  |  |  |  |  |  |  |  |
| January ${ }^{2}$....... | 204,238 | 137,288 | 67.2 | 130,943 | 64.1 | 3,337 | 127,606 | 6,345 | 4.6 | 66,950 |
| February ....... | 204,400 | 137,384 | 67.2 | 131,021 | 64.1 | 3,345 | 127,676 | 6,363 | 4.6 | 67,016 |
| March ........... | 204,547 | 137,340 | 67.1 | 130,908 | 64.0 | 3,173 | 127,735 | 6,432 | 4.7 | 67,207 |
| April ............. | 204,731 | 137,232 | 67.0 | 131,280 | 64.1 | 3,381 | 127,899 | 5,952 | 4.3 | 67,499 |
| May .............. | 204,899 | 137,369 | 67.0 | 131,330 | 64.1 | 3,351 | 127,979 | 6,039 | 4.4 | 67,530 |
| June ............. | 205,085 | 137,498 | 67.0 | 131,253 | 64.0 | 3,363 | 127,890 | 6,245 | 4.5 | 67,587 |
| July .............. | 205,270 | 137,407 | 66.9 | 131,176 | 63.9 | 3,423 | 127,753 | 6,231 | 4.5 | 67,863 |
| August ......... | 205,479 | 137,481 | 66.9 | 131,264 | 63.9 | 3,492 | 127,772 | 6,217 | 4.5 | 67,998 |
| September .... | 205,699 | 138,081 | 67.1 | 131,818 | 64.1 | 3,470 | 128,348 | 6,263 | 4.5 | 67,618 |
| October ......... | 205,919 | 138,116 | 67.1 | 131,858 | 64.0 | 3,558 | 128,300 | 6,258 | 4.5 | 67,803 |
| November ..... | 206,104 | 138,193 138,547 | 67.1 | 132,113 132526 | 64.1 | 3,348 3,222 | 128,765 | 6,080 | 4.4 | 67,911 |
| December ..... | 206,270 | 138,547 | 67.2 | 132,526 | 64.2 | 3,222 | 129,304 | 6,021 | 4.3 | 67,723 |

${ }^{1}$ Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes and Estimates of Error.

2 Beginning in January 1998, data are not strictly comparable with data or 1997 and earlier years because of the introduction of new composite estimation procedures and revisions in the population controls used in the household survey. For additional information, see "Revisions in the Current

Population Survey Effective January 1998" in the February 1998 issue of this publication.
3 The population figures are not adjusted for seasonal variation. NOTE: Seasonally adjusted data shown in tables A-1 through A-13 have been revised based on the experience through December 1998. Data for 1994-98 are subject to revision. See the article in this issue for additional information.

A-2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1987 to date
(Numbers in thousands)

| Sex, year, and month | Civilian noninstitutional population | Civilian labor force |  |  |  |  |  |  |  | Not in labor force |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Percent of population | Employed |  |  |  | Unemployed |  |  |
|  |  | Number |  | Number | Percent of population | Agriculture | Nonagricultural industries | Number | Percent of labor force |  |
|  | Annual averages |  |  |  |  |  |  |  |  |  |
| MEN |  |  |  |  |  |  |  |  |  |  |
| 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 |
| 19901 .................................. | 90,377 | 69,011 | 76.4 | 65,104 | 72.0 | 2.546 | 62,559 | 3,906 | 5.7 | 21,367 |
| 1991 ................................... | 91,278 | 69,188 | 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 |
| 19941 ................................. | 94,355 | 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 | 72,087 | 74.9 | 68,207 | 70.9 | 2,573 | 65,634 | 3,880 | 5.4 | 24,119 |
|  | 97,715 | 73,261 | 75.0 | 69,685 | 71.3 | 2,552 | 67,133 | 3,577 | 4.9 | 24,454 |
|  | 98,758 | 73,959 | 74.9 | 70,693 | 71.6 | 2,553 | 68.140 | 3,266 | 4.4 | 24.799 |
|  | Monthly data, seasonally adjusted ${ }^{3}$ |  |  |  |  |  |  |  |  |  |
| 1997: |  |  |  |  |  |  |  |  |  |  |
| December .......................... | 98,225 | 73.562 | 74.9 | 70,133 | 71.4 | 2,506 | 67,627 | 3,429 | 4.7 | 24,663 |
| 1998: |  |  |  |  |  |  |  |  |  |  |
| January ${ }^{2}$ | 98,241 | 73,719 | 75.0 | 70,387 | 71.6 | 2,483 | 67,904 | 3,332 | 4.5 | 24.522 |
| February ............................ | 98,331 | 73.735 | 75.0 | 70,411 | 71.6 | 2,475 | 67,936 | 3,324 | 4.5 | 24,596 |
| March ................................ | 98,405 | 73,657 | 74.9 | 70.295 | 71.4 | 2,380 | 67.915 | 3,362 | 4.6 | 24,748 |
| April .................................. | 98,503 | 73.723 | 74.8 | 70,695 | 71.8 | 2,595 | 68,100 | 3,028 | 4.1 | 24,780 |
| May | 98,591 | 73,792 | 74.8 | 70,603 | 71.6 | 2,508 | 68,095 | 3.189 | 4.3 | 24.799 |
| June .................................. | 98,691 | 73,866 | 74.8 | 70,592 | 71.5 | 2,541 | 68,051 | 3,274 | 4.4 | 24,825 |
| July .................................. | 98,785 | 73,989 | 74.9 | 70,629 | 71.5 | 2,589 | 68,040 | 3,360 | 4.5 | 24,796 |
| August ............................... | 98,892 | 73.754 | 74.6 | 70.503 | 71.3 | 2,631 | 67,872 | 3,251 | 4.4 | 25,138 |
| September .......................... | 99,006 | 74,202 | 74.9 | 70,841 | 71.6 | 2,644 | 68,197 | 3,361 | 4.5 | 24,804 |
| October ............................. | 99,121 | 74,189 | 74.8 | 70,925 | 71.6 | 2,734 | 68,191 | 3,264 | 4.4 | 24,932 |
| November .......................... | 99,217 | 74,345 | 74.9 | 71,182 | 71.7 | 2,578 | 68,604 | 3,163 | 4.3 | 24,872 |
| December .......................... | 99,309 | 74,437 | 75.0 | 71,204 | 71.7 | 2,414 | 68,790 | 3,233 | 4.3 | 24,872 |
|  | Annual averages |  |  |  |  |  |  |  |  |  |
| WOMEN |  |  |  |  |  |  |  |  |  |  |
| 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 |
| 19901 ................................. | 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 |
| $1994{ }^{\text {3 }}$................................ | 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 |
| 19971 ................................. | 105,418 | 63,036 | 59.8 | 59,873 | 56.8 | 847 | 59,026 | 3,162 | 5.0 | 42,382 |
| 19982 ................................. | 106,462 | 63.714 | 59.8 | 60,771 | 57.1 | 825 | 59.945 | 2,944 | 4.6 | 42.748 |
|  | Monthly data, seasonally adjusted ${ }^{3}$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 1997: |  |  |  |  |  |  |  |  |  |  |
| December .......................... | 105.873 | 63,524 | 60.0 | 60,505 | 57.1 | 877 | 59,628 | 3.019 | 4.8 | 42,349 |
| 1998: |  |  |  |  |  |  |  |  |  |  |
| January² | 105,997 | 63,569 | 60.0 | 60.556 | 57.1 | 854 | 59,702 | 3,013 | 4.7 | 42,428 |
| February | 106,070 | 63,649 | 60.0 | 60,610 | 57.1 | 870 | 59,740 | 3,039 | 4.8 | 42,421 |
| March ................................ | 106,141 | 63,683 | 60.0 | 60,613 | 57.1 | 793 | 59,820 | 3,070 | 4.8 | 42,458 |
| April .................................. | 106,228 | 63,509 | 59.8 | 60,585 | 57.0 | 786 | 59,799 | 2,924 | 4.6 | 42,719 |
| May .................................. | 106,308 | 63,577 | 59.8 | 60,727 | 57.1 | 843 | 59,884 | 2.850 | 4.5 | 42,731 |
| June .................................. | 106,394 | 63,632 | 59.8 | 60,661 | 57.0 | 822 | 59,839 | 2,971 | 4.7 | 42,762 |
| July .................................. | 106,484 | 63,418 | 59.6 | 60,547 | 56.9 | 834 | 59.713 | 2,871 | 4.5 | 43,066 |
| August .............................. | 106,587 | 63,727 | 59.8 | 60,761 | 57.0 | 861 | 59,900 | 2,966 | 4.7 | 42,860 |
| September | 106,693 | 63,879 | 59.9 | 60,977 | 57.2 | 826 | 60,151 | 2,902 | 4.5 | 42,814 |
| October | 106,798 | 63,927 | 59.9 | 60,933 | 57.1 | 824 | 60,109 | 2,994 | 4.7 | 42,871 |
| November .......................... | 106,887 | 63,848 | 59.7 | 60,931 | 57.0 | 770 | 60,161 | 2,917 | 4.6 | 43,039 |
| December .......................... | 106,960 | 64,110 | 59.9 | 61,322 | 57.3 | 808 | 60.514 | 2,788 | 4.3 | 42.850 |

' Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes and Estimates of Error.
of Error.
Beginning in January 1998, data are not strictly comparable with data for 1997 and earlier years because of the introduction of new composite estimation procedures and revisions in the population controls used in the household survey. For additional
information, see "Revisions in the Current Population Survey EHective January 1998" in the February 1998 issue of this publication.

3 The population figures are not adjusted for seasonal variation.
NOTE: Seasonally adjusted data have been revised based on the experience through December 1998. Data for 1994-98 are subject to revision. See the article in this issue for
additional information.

## A-3. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

| Employment status, sex, and age | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 204,098 | 204,238 | 204,400 | 204,547 | 204,731 | 204,899 | 205,085 | 205,270 | 205,479 | 205,699 | 205,919 | 206,104 | 206,270 |
| Civilian labor force | 137,086 | 137,288 | 137,384 | 137,340 | 137,232 | 137,369 | 137,498 | 137,407 | 137,481 | 138,081 | 138,116 | 138,193 | 138,547 |
| Percent of population | 67.2 | 67.2 | 67.2 | 67.1 | 67.0 | 67.0 | 67.0 | 66.9 | 66.9 | 67.1 | 67.1 | 67.1 | 67.2 |
| Empioyed ................ | 130,638 | 130,943 | 131,021 | 130,908 | 131,280 | 131,330 | 131,253 | 131,176 | 131,264 | 131,818 | 131,858 | 132,113 | 132,526 |
| Employment-population ratio | 64.0 | 64.1 | 64.1 | 64.0 | 64.1 | 64.1 | 64.0 | 63.9 | 63.9 | 64.1 | 64.0 | 64.1 | 64.2 |
| Unemployed | 6,448 | 6,345 | 6,363 | 6,432 | 5,952 | 6,039 | 6,245 | 6,231 | 6,217 | 6,263 | 6,258 | 6,080 | 6,021 |
| Unemployment rate .................. | 4.7 | 4.6 | 4.6 | 4.7 | 4.3 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.4 | 4.3 |
| Men, 16 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 98,225 | 98,241 | 98,331 | 98,405 | 98,503 | 98,591 | 98,691 | 98,785 | 98,892 | 99,006 | 99,121 | 99,217 | 99,309 |
| Civilian labor force ....................... | 73,562 | 73,719 | 73,735 | 73,657 | 73,723 | 73,792 | 73,866 | 73,989 | 73,754 | 74,202 | 74.189 | 74,345 | 74,437 |
| Percent of population | 74.9 | 75.0 | 75.0 | 74.9 | 74.8 | 74.8 | 74.8 | 74.9 | 74.6 | 74.9 | 74.8 | 74.9 | 75.0 |
| Employed | 70,133 | 70,387 | 70,411 | 70,295 | 70,695 | 70,603 | 70,592 | 70,629 | 70,503 | 70,841 | 70,925 | 71,182 | 71,204 |
| Employment-population ratio | 71.4 | 71.6 | 71.6 | 71.4 | 71.8 | 71.6 | 71.5 | 71.5 | 71.3 | 71.6 | 71.6 | 71.7 | 71.7 |
| Agriculture | 2,506 | 2,483 | 2,475 | 2,380 | 2,595 | 2,508 | 2,541 | 2,589 | 2,631 | 2,644 | 2,734 | 2,578 | 2,414 |
| Nonagricultural industries | 67,627 | 67,904 | 67,936 | 67,915 | 68,100 | 68,095 | 68,051 | 68,040 | 67,872 | 68,197 | 68,191 | 68,604 | 68,790 |
| Unemployed | 3,429 | 3,332 | 3,324 | 3,362 | 3,028 | 3,189 | 3,274 | 3,360 | 3,251 | 3,361 | 3,264 | 3,163 | 3,233 |
| Unemployment rate | 4.7 | 4.5 | 4.5 | 4.6 | 4.1 | 4.3 | 4.4 | 4.5 | 4.4 | 4.5 | 4.4 | 4.3 | 4.3 |
| Not in labor force ........ | 24,663 | 24,522 | 24,596 | 24,748 | 24,780 | 24,799 | 24,825 | 24,796 | 25,138 | 24,804 | 24,932 | 24,872 | 24,872 |
| Men, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 90,339 | 90,391 | 90,476 | 90,502 | 90,580 | 90,622 | 90,700 | 90,802 | 90,889 | 91,003 | 91,101 | 91,192 | 91,220 |
| Civilian labor force | 69,489 | 69,547 | 69,559 | 69,446 | 69,616 | 69,608 | 69,590 | 69,738 | 69,518 | 69,869 | 69,913 | 70,023 | 70,069 |
| Percent of population | 76.9 | 76.9 | 76.9 | 76.7 | 76.9 | 76.8 | 76.7 | 76.8 | 76.5 | 76.8 | 76.7 | 76.8 | 76.8 |
| Employed | 66,636 | 66,892 | 66,927 | 66,769 | 67,173 | 67,084 | 66,994 | 67,056 | 66,940 | 67,262 | 67,362 | 67,573 | 67,553 |
| Employment-population ratio | 73.8 | 74.0 | 74.0 | 73.8 | 74.2 | 74.0 | 73.9 | 73.8 | 73.7 | 73.9 | 73.9 | 74.1 | 74.1 |
| Agriculture | 2,314 | 2,303 | 2,297 | 2,194 | 2,423 | 2,331 | 2,337 | 2,382 | 2,420 | 2,402 | 2,449 | 2,374 | 2,237 |
| Nonagricultural industries | 64,322 | 64,589 | 64,630 | 64,575 | 64,750 | 64,753 | 64,657 | 64,674 | 64,520 | 64,860 | 64,913 | 65,199 | 65.316 |
| Unemployed | 2,853 | 2,655 | 2,632 | 2,677 | 2,443 | 2,524 | 2,596 | 2,682 | 2,578 | 2,607 | 2,551 | 2,450 | 2,516 |
| Unemployment rate | 4.1 | 3.8 | 3.8 | 3.9 | 3.5 | 3.6 | 3.7 | 3.8 | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 |
| Not in labor force ........ | 20,850 | 20.844 | 20,917 | 21,056 | 20,964 | 21,014 | 21,110 | 21,064 | 21,371 | 21,134 | 21,188 | 21,169 | 21.151 |
| Women, 16 years and over Civilian noninstitutional population ${ }^{1}$ | 105,873 | 105,997 | 106,070 | 106,141 | 106,228 | 106,308 | 106,394 | 106,484 | 106,587 | 106,693 | 106,798 | 106,887 | 106,960 |
| Civilian labor force ....................... | 63,524 | 63,569 | 63,649 | 63,683 | 63,509 | 63,577 | 63,632 | 63,418 | 63,727 | 63,879 | 63,927 | 63,848 | 64,110 |
| Percent of population | 60.0 | 60.0 | 60.0 | 60.0 | 59.8 | 59.8 | 59.8 | 59.6 | 59.8 | 59.9 | 59.9 | 59.7 | 59.9 |
| Employed | 60,505 | 60,556 | 60,610 | 60,613 | 60,585 | 60,727 | 60,661 | 60,547 | 60,761 | 60,977 | 60,933 | 60,931 | 61,322 |
| Employment-population ratio | 57.1 | 57.1 | 57.1 | 57.1 | 57.0 | 57.1 | 57.0 | 56.9 | 57.0 | 57.2 | 57.1 | 57.0 | 57.3 |
| Agriculture | 877 | 854 | 870 | 793 | 786 | 843 | 822 | 834 | 861 | 826 | 824 | 770 | 808 |
| Nonagricultural industries | 59,628 | 59,702 | 59,740 | 59,820 | 59,799 | 59,884 | 59,839 | 59,713 | 59,900 | 60,151 | 60,109 | 60,161 | 60,514 |
| Unemployed | 3,019 | 3,013 | 3,039 | 3,070 | 2,924 | 2,850 | 2,971 | 2,871 | 2,966 | 2,902 | 2,994 | 2,917 | 2,788 |
| Unemployment rate . | 4.8 | 4.7 | 4.8 | 4.8 | 4.6 | 4.5 | 4.7 | 4.5 | 4.7 | 4.5 | 4.7 | 4.6 | 4.3 |
| Not in labor force | 42,349 | 42,428 | 42,421 | 42,458 | 42,719 | 42,731 | 42,762 | 43,066 | 42,860 | 42,814 | 42,871 | 43,039 | 42.850 |
| Women, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 98,300 | 98,420 | 98,471 | 98,534 | 98,583 | 98,668 | 98,735 | 98,778 | 98,901 | 98,994 | 99,037 | 99,135 | 99,181 |
| Civilian labor force ....................... | 59,638 | 59,583 | 59,625 | 59,666 | 59,539 | 59,583 | 59,613 | 59,465 | 59,708 | 59,804 | 59,826 | 59,896 | 60,078 |
| Percent of popuiation. | 60.7 | 60.5 | 60.6 | 60.6 | 60.4 | 60.4 | 60.4 | 60.2 | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 |
| Employed ............. | 57,165 | 57,051 | 57,097 | 57,136 | 57,117 | 57,235 | 57,190 | 57,078 | 57,295 | 57,426 | 57,437 | 57,503 | 57,745 |
| Employment-population ratio ...... | 58.2 | 58.0 | 58.0 | 58.0 | 57.9 | 58.0 | 57.9 | 57.8 | 57.9 | 58.0 | 58.0 | 58.0 | 58.2 |
| Agriculture ..................... | 831 | 805 | 799 | 734 | 726 | 767 | 763 | 781 | 806 | 767 | 771 | 734 | 753 |
| Nonagricultural industries | 56,334 | 56,246 | 56,298 | 56,402 | 56,391 | 56,468 | 56,427 | 56,297 | 56,489 | 56,659 | 56,666 | 56,769 | 56,992 |
| Unemployed ........ | 2,473 | 2,532 | 2,528 | 2,530 | 2,422 | 2,348 | 2,423 | 2,387 | 2,413 | 2,378 | 2,389 | 2,393 | 2,333 |
| Unemployment rate . | 4.1 | 4.2 | 4.2 | 4.2 | 4.1 | 3.9 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.9 |
| Not in labor force .......................... | 38,662 | 38,837 | 38,846 | 38,868 | 39,044 | 39,085 | 39,122 | 39,313 | 39,193 | 39.190 | 39,211 | 39,239 | 39,103 |
| Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 15,459 | 15,427 | 15,453 | 15,511 | 15,569 | 15,609 | 15,651 | 15,690 | 15,689 | 15,702 | 15,781 | 15,777 | 15,868 |
| Civilian labor force | 7.959 | 8,158 | 8,200 | 8,228 | 8,077 | 8,178 | 8,295 | 8,204 | 8,255 | 8,408 | 8,377 | 8,274 | 8,400 |
| Percent of population | 51.5 | 52.9 | 53.1 | 53.0 | 51.9 | 52.4 | 53.0 | 52.3 | 52.6 | 53.5 | 53.1 | 52.4 | 52.9 |
| Employed ........... | 6,837 | 7,000 | 6,997 | 7.003 | 6,990 | 7,011 | 7,069 | 7,042 | 7,029 | 7,130 | 7,059 | 7,037 | 7,228 |
| Empioyment-population ratio ...... | 44.2 | 45.4 | 45.3 | 45.1 | 44.9 | 44.9 | 45.2 | 44.9 | 44.8 | 45.4 | 44.7 | 44.6 | 45.5 |
| Agriculture .... | 238 | 229 | 249 | 245 | 232 | 253 | 263 | 260 | 266 | 301 | 338 | 240 | 232 |
| Nonagricultural industries | 6,599 | 6,771 | 6,748 | 6,758 | 6,758 | 6,758 | 6,806 | 6,782 | 6,763 | 6,829 | 6,721 | 6,797 | 6,996 |
| Unemployed | 1,122 | 1,158 | 1,203 | 1,225 | 1,087 | 1,167 | 1,226 | 1,162 | 1,226 | 1,278 | 1,318 | 1,237 | 1.172 |
| Unemployment rate | 14.1 | 14.2 | 14.7 | 14.9 | 13.5 | 14.3 | 14.8 | 14.2 | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 |
| Not in labor force | 7,500 | 7,269 | 7,253 | 7,283 | 7,492 | 7,431 | 7,356 | 7,486 | 7,434 | 7,294 | 7,404 | 7,503 | 7,468 |

1 The population figures are not adjusted for seasonal variation.
NOTE: Detail for the seasonally adjusted data shown in tables A-3 through A-13 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Beginning in January 1998, data reflect new
composite estimation procedures and revised population controls used in the household survey. Seasonally adjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

## HOUSEHOLD DATA

## SEASONALLY ADJUSTED

A-4. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted
(Numbers in thousands)

| Employment status, race, sex, age, and Hispanic origin | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| WHITE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 170,649 | 170,810 | 170,917 | 171,016 | 171,141 | 171,257 | 171,387 | 171,513 | 171,655 | 171,804 | 171,956 | 172,084 | 172,197 |
| Civilian labor force | 115,118 | 115,226 | 115,271 | 115,184 | 115,121 | 115,312 | 115,208 | 115,071 | 115,385 | 115,751 | 115,714 | 115,687 | 115,996 |
| Percent of population | 67.5 | 67.5 | 67.4 | 67.4 | 67.3 | 67.3 | 67.2 | 67.1 | 67.2 | 67.4 | 67.3 | 67.2 | 67.4 |
| Employed ................... | 110,612 | 110,659 | 110,731 | 110,556 | 110,858 | 110,959 | 110,638 | 110,676 | 110,848 | 111,221 | 111,162 | 111,304 | 111,560 |
| Employment-population ratio ...... | 64.8 | 64.8 | 64.8 | 64.6 | 64.8 | 64.8 | 64.6 | 64.5 | 64.6 | 64.7 | 64.6 | 64.7 | 64.8 |
| Unemployed ............................. | 4,506 | 4,567 | 4,540 | 4,628 | 4,263 | 4,353 | 4,570 | 4,395 | 4.537 | 4,530 | 4,552 | 4,383 | 4,436 |
| Unemployment rate .................. | 3.9 | 4.0 | 3.9 | 4.0 | 3.7 | 3.8 | 4.0 | 3.8 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 |
| Men, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 59,313 | 59,277 | 59,314 | 59,179 | 59,324 | 59,338 | 59,298 | 59,406 | 59,384 | 59,587 | 59,579 | 59,634 | 59,712 |
| Percent of population | 77.4 | 77.3 | 77.3 | 77.1 | 77.2 | 77.2 | 77.1 | 77.2 | 77.1 | 77.3 | 77.2 | 77.2 | 77.2 |
| Employed ................................. | 57,246 | 57,320 | 57,378 | 57,201 | 57,538 | 57,452 | 57,348 | 57,447 | 57,450 | 57,615 | 57,646 | 57,806 | 57.813 |
| Employment-population ratio ...... | 74.7 | 74.8 | 74.8 | 74.5 | 74.9 | 74.7 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 |
| Unemployed ............................ | 2,067 | 1,957 | 1,936 | 1,978 | 1,786 | 1,886 | 1,950 | 1,959 | 1,934 | 1,972 | 1,933 | 1.828 | 1.899 |
| Unemployment rate | 3.5 | 3.3 | 3.3 | 3.3 | 3.0 | 3.2 | 3.3 | 3.3 | 3.3 | 3.3 | 3.2 | 3.1 | 3.2 |
| Women, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 49,078 | 49,046 | 49,031 | 49,028 | 48,972 | 49,048 | 48,930 | 48,770 | 49,025 | 49,108 | 49,062 | 49,065 | 49,230 |
| Percent of population ................. | 60.0 | 59.9 | 59.9 | 59.9 | 59.8 | 59.8 | 59.6 | 59.4 | 59.7 | 59.8 | 59.7 | 59.6 | 59.8 |
| Employed ................................. | 47,387 | 47,252 | 47,283 | 47,271 | 47,304 | 47,423 | 47,244 | 47,129 | 47,321 | 47,456 | 47,401 | 47,415 | 47,585 |
| Employment-population ratio ...... | 58.0 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.6 | 57.4 | 57.6 | 57.7 | 57.6 | 57.6 | 57.8 |
| Unemployed ............................. | 1,691 | 1,794 | 1,748 | 1,757 | 1,668 | 1,625 | 1,686 | 1,641 | 1,704 | 1,652 | 1,661 | 1,650 | 1,645 |
| Unemployment rate ................... | 3.4 | 3.7 | 3.6 | 3.6 | 3.4 | 3.3 | 3.4 | 3.4 | 3.5 | 3.4 | 3.4 | 3.4 | 3.3 |
| Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ....................... | 6,727 | 6,903 | 6,926 | 6,977 | 6,825 | 6,926 | 6,980 | 6,895 | 6,976 | 7,056 | 7,073 | 6,988 | 7.054 |
| Percent of population ................. | 54.9 | 56.2 | 56.3 | 56.6 | 55.2 | 55.8 | 56.1 | 55.3 | 55.8 | 56.4 | 56.4 | 55.7 | 56.1 |
| Employed | 5,979 | 6,087 | 6,070 | 6,084 | 6,016 | 6,084 | 6,046 | 6,100 | 6,077 | 6,150 | 6,115 | 6,083 | 6,162 |
| Employment-population ratio ...... | 48.8 | 49.6 | 49.3 | 49.3 | 48.6 | 49.0 | 48.6 | 48.9 | 48.6 | 49.1 | 48.8 | 48.5 | 49.0 |
| Unemployed ............................. | 748 | 816 | 856 | 893 | 809 | 842 | 934 | 795 | 899 | 906 | 958 | 905 | 892 |
| Unemployment rate .................. | 11.1 | 11.8 | 12.4 | 12.8 | 11.9 | 12.2 | 13.4 | 11.5 | 12.9 | 12.8 | 13.5 | 13.0 | 12.6 |
| Men .................... | 11.3 | 14.1 | 14.4 | 14.7 | 12.9 | 14.0 | 14.4 | 13.2 | 14.2 | 14.7 | 14.1 | 14.1 | 14.5 |
| Women ................................. | 10.9 | 9.4 | 10.1 | 10.7 | 10.7 | 10.1 | 12.3 | 9.7 | 11.5 | 10.8 | 13.0 | 11.6 | 10.6 |
| BLACK |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 24,180 | 24,196 | 24,229 | 24,257 | 24,289 | 24,317 | 24,349 | 24,381 | 24,418 | 24,458 | 24,496 | 24,529 | 24,561 |
| Civilian labor force ....................... | 15,733 | 15,770 | 15,834 | 15,931 | 15,901 | 15,760 | 16,025 | 16,045 | 15,937 | 16,027 | 16,163 | 16,201 | 16,157 |
| Percent of population ................. | 65.1 | 65.2 | 65.4 | 65.7 | 65.5 | 64.8 | 65.8 | 65.8 | 65.3 | 65.5 | 66.0 | 66.0 | 65.8 |
| Employed ................................. | 14,147 | 14,288 | 14,340 | 14,463 | 14,477 | 14,351 | 14,662 | 14,511 | 14,517 | 14,584 | 14,776 | 14,804 | 14.884 |
| Employment-population ratio ...... | 58.5 | 59.1 | 59.2 | 59.6 | 59.6 | 59.0 | 60.2 | 59.5 | 59.5 | 59.6 | 60.3 | 60.4 | 60.6 |
| Unemployed ............................ | 1,586 | 1,482 | 1,494 | 1,468 | 1,424 | 1.409 | 1,363 | 1,534 | 1,420 | 1,443 | 1,387 | 1,397 | 1.273 |
| Unemployment rate .................. | 10.1 | 9.4 | 9.4 | 9.2 | 9.0 | 8.9 | 8.5 | 9.6 | 8.9 | 9.0 | 8.6 | 8.6 | 7.9 |
| Men, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ........................ | 6,966 | 6,998 | 6,993 | 7,037 | 7,077 | 7,005 | 7,080 | 7,111 | 7,021 | 6,999 | 7,144 | 7,086 | 7,063 |
| Percent of population ................ | 72.1 | 72.5 | 72.3 | 72.7 | 73.0 | 72.2 | 72.9 | 73.1 | 72.1 | 71.7 | 73.1 | 72.4 | 72.0 |
| Employed .................... | 6,366 | 6,442 | 6,448 | 6,503 | 6,548 | 6,523 | 6,574 | 6,491 | 6,487 | 6,499 | 6,653 | 6,590 | 6,588 |
| Employment-population ratio ...... | 65.9 | 66.7 | 66.7 | 67.2 | 67.6 | 67.2 | 67.7 | 66.7 | 66.6 | 66.6 | 68.0 | 67.3 | 67.2 |
| Unemployed ............................. | 600 | 556 | 545 | 534 | 529 | 482 | 506 | 620 | 534 | 500 | 491 | 496 | 475 |
| Unemployment rate .................. | 8.6 | 7.9 | 7.8 | 7.6 | 7.5 | 6.9 | 7.1 | 8.7 | 7.6 | 7.1 | 6.9 | 7.0 | 6.7 |
| Women, 20 years and over |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ........................ | 7.804 | 7,802 | 7,895 | 7,902 | 7,830 | 7,792 | 7,870 | 7,916 | 7,903 | 7,948 | 7,992 | 8,051 | 8,035 |
| Percent of population ................. | 64.5 | 64.3 | 65.0 | 65.0 | 64.4 | 64.0 | 64.6 | 64.9 | 64.7 | 64.9 | 65.2 | 65.6 | 65.4 |
| Employed ................................. | 7,157 | 7,169 | 7,238 | 7,256 | 7,192 | 7,146 | 7,255 | 7,294 | 7,302 | 7,320 | 7,391 | 7.443 | 7.474 |
| Employment-population ratio ...... | 59.1 | 59.1 | 59.6 | 59.7 | 59.1 | 58.7 | 59.5 | 59.8 | 59.7 | 59.8 | 60.3 | 60.6 | 60.8 |
| Unemployed ............................. | 647 | 633 | 657 | 646 | 638 | 646 | 615 | 622 | 601 | 628 | 601 | 608 | 561 |
| Unemployment rate ................... | 8.3 | 8.1 | 8.3 | 8.2 | 8.1 | 8.3 | 7.8 | 7.9 | 7.6 | 7.9 | 7.5 | 7.6 | 7.0 |

See footnotes at end of table.

A-4. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted - Continued
(Numbers in thousands)

| Employment status, race, sex, age, and Hispanic origin | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| BLACK-Continued Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force .. | 963 | 970 | 946 | 992 | 994 | 963 | 1,075 | 1,018 | 1,013 | 1,080 | 1,027 | 1,064 | 1,059 |
| Percent of population. | 39.9 | 40.2 | 39.1 | 40.9 | 40.8 | 39.5 | 44.0 | 41.5 | 41.3 | 44.0 | 41.8 | 43.3 | 43.0 |
| Employed ................................. | 624 | 677 | 654 | 704 | 737 | 682 | 833 | 726 | 728 | 765 | 732 | 771 | 822 |
| Employment-population ratio ...... | 25.8 | 28.0 | 27.0 | 29.0 | 30.3 | 27.9 | 34.1 | 29.6 | 29.7 | 31.1 | 29.8 | 31.4 | 33.4 |
| Unemployed ............................. | 339 | 293 | 292 | 288 | 257 | 281 | 242 | 292 | 285 | 315 | 295 | 293 | 237 |
| Unemployment rate .................. | 35.2 | 30.2 | 30.9 | 29.0 | 25.9 | 29.2 | 22.5 | 28.7 | 28.1 | 29.2 | 28.7 | 27.5 | 22.4 |
| Men ...................................... | 36.7 | 31.7 | 34.0 | 28.5 | 26.0 | 31.2 | 22.4 | 30.2 | 29.7 | 32.7 | 34.7 | 33.0 | 27.3 |
| Women ................................. | 34.0 | 28.8 | 28.0 | 29.5 | 25.7 | 27.4 | 22.6 | 27.0 | 26.8 | 25.7 | 23.5 | 22.1 | 17.6 |
| HISPANIC ORIGIN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$.. | 20,629 | 20,741 | 20,798 | 20,851 | 20,915 | 20,975 | 21,036 | 21,097 | 21,159 | 21,224 | 21,286 | 21,349 | 21,405 |
| Civilian labor force ....................... | 13,985 | 14,020 | 14,145 | 14,254 | 14,289 | 14,378 | 14,375 | 14,267 | 14,316 | 14,457 | 14,437 | 14,389 | 14,488 |
| Percent of population ................. | 67.8 | 67.6 | 68.0 | 68.4 | 68.3 | 68.5 | 68.3 | 67.6 | 67.7 | 68.1 | 67.8 | 67.4 | 67.7 |
| Employed ................................. | 12,977 | 13,038 | 13,165 | 13,263 | 13,332 | 13,387 | 13,301 | 13,245 | 13,257 | 13,394 | 13,382 | 13,345 | 13,383 |
| Employment-population ratio ...... | 62.9 | 62.9 | 63.3 | 63.6 | 63.7 | 63.8 | 63.2 | 62.8 | 62.7 | 63.1 | 62.9 | 62.5 | 62.5 |
| Unemployed ............................. | 1,008 | 982 | 980 | 991 | 957 | 991 | 1,074 | 1,022 | 1,059 | 1,063 | 1,055 | 1,044 | 1,105 |
| Unemployment rate .................. | 7.2 | 7.0 | 6.9 | 7.0 | 6.7 | 6.9 | 7.5 | 7.2 | 7.4 | 7.4 | 7.3 | 7.3 | 7.6 |

1 The population figures are not adjusted for seasonal variation.
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. Beginning in

January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Seasonally adjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

A-5. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, seasonally adjusted
(Numbers in thousands)

| Educational attainment | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Арг. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Less than a high school diploma |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$....................... | 29,566 | 29,981 | 29,228 | 29,251 | 29,638 | 29,931 | 30,064 | 29,027 | 29,204 | 29,290 | 28,713 | 29,084 | 29,094 |
| Civilian labor force | 12,555 | 12,629 | 12,561 | 12,516 | 12,624 | 12,630 | 12,784 | 12,561 | 12,496 | 12,563 | 12,408 | 12,463 | 12,500 |
| Percent of population ...................................... | 42.5 | 42.1 | 43.0 | 42.8 | 42.6 | 42.2 | 42.5 | 43.3 | 42.8 | 42.9 | 43.2 | 42.9 | 43.0 |
| Employed ....................................................... | 11,619 | 11,715 | 11,670 | 11,622 | 11,729 | 11,762 | 11,873 | 11,665 | 11,612 | 11,692 | 11,556 | 11,574 | 11,626 |
| Employment-population ratio .......................... | 39.3 | 39.1 | 39.9 | 39.7 | 39.6 | 39.3 | 39.5 | 40.2 | 39.8 | 39.9 | 40.2 | 39.8 | 40.0 |
| Unemployed .................................................. | 936 | 914 | 891 | 894 | 895 | 868 | 911 | 896 | 884 | 871 | 852 | 889 | 874 |
| Unemployment rate ...................................... | 7.5 | 7.2 | 7.1 | 7.1 | 7.1 | 6.9 | 7.1 | 7.1 | 7.1 | 6.9 | 6.9 | 7.1 | 7.0 |
| High school graduates, no college ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 57,631 | 57,606 | 57,418 | 57,885 | 57,484 | 57,706 | 57,446 | 57,374 | 57,729 | 57,589 | 57,666 | 57,273 | 57,115 |
| Civilian labor force ............................................ | 37,805 | 37,745 | 37,730 | 37,850 | 37,412 | 37,488 | 37,171 | 37,290 | 37,367 | 37,289 | 37,540 | 37,408 | 37,296 |
| Percent of population .................................... | 65.6 | 65.5 | 65.7 | 65.4 | 65.1 | 65.0 | 64.7 | 65.0 | 64.7 | 64.8 | 65.1 | 65.3 | 65.3 |
| Employed | 36,255 | 36,249 | 36,225 | 36,262 | 35,935 | 36,071 | 35,681 | 35,779 | 35,883 | 35,783 | 36,056 | 35,947 | 35,873 |
| Employment-population ratio .......................... | 62.9 | 62.9 | 63.1 | 62.6 | 62.5 | 62.5 | 62.1 | 62.4 | 62.2 | 62.1 | 62.5 | 62.8 | 62.8 |
| Unemployed .................................................. | 1,550 | 1,496 | 1,505 | 1,588 | 1,477 | 1,417 | 1,490 | 1,511 | 1,484 | 1,506 | 1,484 | 1,461 | 1,423 |
| Unemployment rate ...................................... | 4.1 | 4.0 | 4.0 | 4.2 | 3.9 | 3.8 | 4.0 | 4.1 | 4.0 | 4.0 | 4.0 | 3.9 | 3.8 |
| Less than a bachelor's degree ${ }^{3}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 42,085 | 41,718 | 42,527 | 42,313 | 42,303 | 42,024 | 41,880 | 42,293 | 41,842 | 41,769 | 42,573 | 42,863 | 43,022 |
| Civilian labor force | 31,357 | 31,385 | 31,418 | 31,459 | 31,435 | 31,411 | 31,283 | 31,220 | 31,117 | 31,271 | 31,349 | 31,727 | 31,800 |
| Percent of population | 74.5 | 75.2 | 73.9 | 74.3 | 74.3 | 74.7 | 74.7 | 73.8 | 74.4 | 74.9 | 73.6 | 74.0 | 73.9 |
| Employed. | 30,335 | 30,383 | 30,448 | 30,448 | 30,572 | 30,447 | 30,371 | 30,274 | 30,231 | 30,343 | 30,423 | 30,825 | 30,911 |
| Employment-population ratio .......................... | 72.1 | 72.8 | 71.6 | 72.0 | 72.3 | 72.5 | 72.5 | 71.6 | 72.3 | 72.6 | 71.5 | 71.9 | 71.8 |
| Unemployed .................................................. | 1,022 | 1,002 | 970 | 1,011 | 863 | 964 | 912 | 946 | 886 | 928 | 926 | 902 | 889 |
| Unemployment rate ..................................... | 3.3 | 3.2 | 3.1 | 3.2 | 2.7 | 3.1 | 2.9 | 3.0 | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 |
| College graduates |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 41,822 | 41,974 | 42,238 | 42,085 | 42,197 | 42,090 | 42,464 | 43,309 | 43,431 | 43,669 | 43,520 | 43,408 | 43,484 |
| Civilian labor force | 33,683 | 33,698 | 33,742 | 33,833 | 34,039 | 34,028 | 34,281 | 34,637 | 34,739 | 34,914 | 34,779 | 34,554 | 34,838 |
| Percent of population | 80.5 | 80.3 | 79.9 | 80.4 | 80.7 | 80.8 | 80.7 | 80.0 | 80.0 | 80.0 | 79.9 | 79.6 | 80.1 |
| Employed ......................... | 33,086 | 33,067 | 33,114 | 33,210 | 33,456 | 33,451 | 33,681 | 34,051 | 34,129 | 34,335 | 34,108 | 33,922 | 34,205 |
| Employment-population ratio | 79.1 | 78.8 | 78.4 | 78.9 | 79.3 | 79.5 | 79.3 | 78.6 | 78.6 | 78.6 | 78.4 | 78.1 | 78.7 |
| Unemployed ........... | 597 | 631 | 628 | 623 | 583 | 577 | 600 | 586 | 610 | 579 | 671 | 632 | 633 |
| Unemployment rate | 1.8 | 1.9 | 1.9 | 1.8 | 1.7 | 1.7 | 1.8 | 1.7 | 1.8 | 1.7 | 1.9 | 1.8 | 1.8 |

${ }^{1}$ The population figures are not adjusted for seasonal variation.
2 includes high school diploma or equivalent.
${ }^{3}$ Includes the categories, some college, no degree; and associate degree.
NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey. Seasonally sdjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

A-6. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted
(Numbers in thousands)

| Full- and part-time status, sex, and age | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| EMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Full-time workers | 107,306 | 107,642 | 107,712 | 107,741 | 107,992 | 108,048 | 107,748 | 107,856 | 108,150 | 108,512 | 108,561 | 109,016 | 109,483 |
| Men, 16 years and over | 62,742 | 62,858 | 62,830 | 62,841 | 63,045 | 63,055 | 63,108 | 63,138 | 63,202 | 63,216 | 63,417 | 63,726 | 63,829 |
| Men, 20 years and over ..... | 61,434 | 61,586 | 61,557 | 61,537 | 61,750 | 61,721 | 61,721 | 61,729 | 61,808 | 61,911 | 62,039 | 62,312 | 62,375 |
| Women, 16 years and over | 44,540 | 44,698 | 44,787 | 44,839 | 44,910 | 44,943 | 44,656 | 44,845 | 45,097 | 45,344 | 45,154 | 45,289 | 45,604 |
| Women, 20 years and over | 43,629 | 43,790 | 43,834 | 43,841 | 43,944 | 43,967 | 43,756 | 43,819 | 44,019 | 44,265 | 44,231 | 44,387 | 44,675 |
| Both sexes, 16 to 19 years ............ | 2,243 | 2,266 | 2,321 | 2,363 | 2,298 | 2,360 | 2,271 | 2,308 | 2,323 | 2,336 | 2,291 | 2,317 | 2,433 |
| Part-time workers | 23,487 | 23,364 | 23,241 | 23,339 | 23,207 | 23,239 | 23,460 | 23,231 | 22,975 | 23,284 | 23,281 | 23,249 | 23,258 |
| Men, 16 years and over | 7,489 | 7,467 | 7,518 | 7,531 | 7,594 | 7,468 | 7,485 | 7.496 | 7,332 | 7,644 | 7,490 | 7,554 | 7,490 |
| Men, 20 years and over ................ | 5,278 | 5,278 | 5,303 | 5,307 | 5,362 | 5,294 | 5,256 | 5,322 | 5,181 | 5,364 | 5,295 | 5,332 | 5,272 |
| Women, 16 years and over ........... | 16,001 | 15,817 | 15,736 | 15,794 | 15,637 | 15,769 | 16,027 | 15,732 | 15,638 | 15,682 | 15,797 | 15,690 | 15,770 |
| Women, 20 years and over ........... | 13,580 | 13,289 | 13,231 | 13,325 | 13,160 | 13,245 | 13,446 | 13,258 | 13,230 | 13,154 | 13,197 | 13,125 | 13,134 |
| Both sexes, 16 to 19 years ............ | 4,629 | 4,797 | 4,707 | 4,707 | 4,685 | 4,700 | 4,758 | 4,651 | 4,564 | 4,766 | 4,789 | 4,792 | 4,852 |
| UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Looking for full-time work | 5,196 | 5,048 | 5,093 | 5,079 | 4,763 | 4,877 | 4,915 | 4,943 | 4,919 | 4,916 | 4,871 | 4,736 | 4,781 |
| Men, 16 years and over ...... | 2,961 | 2,702 | 2,687 | 2,741 | 2,538 | 2,690 | 2,768 | 2,823 | 2,739 | 2,788 | 2,698 | 2,611 | 2,675 |
| Men, 20 years and over ................ | 2,645 | 2,446 | 2,410 | 2,449 | 2,219 | 2,337 | 2,399 | 2,461 | 2,364 | 2,383 | 2,324 | 2,235 | 2,319 |
| Women, 16 years and over ........... | 2,255 | 2,284 | 2,330 | 2,292 | 2,249 | 2,176 | 2,221 | 2,077 | 2,209 | 2,159 | 2,215 | 2,179 | 2,131 |
| Women, 20 years and over ........... | 1,959 | 2,037 | 2,115 | 2,025 | 1,991 | 1,933 | 1,936 | 1,918 | 1,959 | 1,924 | 1,944 | 1,918 | 1,891 |
| Both sexes, 16 to 19 years ............ | 592 | 565 | 568 | 605 | 553 | 607 | 580 | 564 | 596 | 609 | 603 | 583 | 571 |
| Looking for part-time work ............ | 1,262 | 1,325 | 1,277 | 1,386 | 1,192 | 1,194 | 1,288 | 1,283 | 1,298 | 1,298 | 1,362 | 1,340 | 1,263 |
| Men, 16 years and over ................ | 486 | 549 | 569 | 569 | 526 | 523 | 564 | 551 | 539 | 571 | 594 | 577 | 581 |
| Men, 20 years and over .......... | 219 | 212 | 220 | 226 | 224 | 196 | 193 | 221 | 205 | 213 | 223 | 219 | 209 |
| Women, 16 years and over ........... | 753 | 757 | 720 | 803 | 705 | 698 | 753 | 749 | 744 | 708 | 748 | 757 | 663 |
| Women, 20 years and over ........... | 476 | 494 | 448 | 530 | 436 | 417 | 482 | 482 | 459 | 424 | 442 | 464 | 412 |
| Both sexes, 16 to 19 years ............ | 567 | 619 | 609 | 630 | 532 | 581 | 613 | 580 | 634 | 661 | 697 | 657 | 642 |
| UNEMPLOYMENT RATES ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Full-time workers ....................... | 4.6 | 4.5 | 4.5 | 4.5 | 4.2 | 4.3 | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.2 | 4.2 |
| Men, 16 years and over ................. | 4.5 | 4.1 | 4.1 | 4.2 | 3.9 | 4.1 | 4.2 | 4.3 | 4.2 | 4.2 | 4.1 | 3.9 | 4.0 |
| Men, 20 years and over ................. | 4.1 | 3.8 | 3.8 | 3.8 | 3.5 | 3.6 | 3.7 | 3.8 | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 |
| Women, 16 years and over ........... | 4.8 | 4.9 | 4.9 | 4.9 | 4.8 | 4.6 | 4.7 | 4.4 | 4.7 | 4.5 | 4.7 | 4.6 | 4.5 |
| Women, 20 years and over ........... | 4.3 | 4.4 | 4.6 | 4.4 | 4.3 | 4.2 | 4.2 | 4.2 | 4.3 | 4.2 | 4.2 | 4.1 | 4.1 |
| Both sexes, 16 to 19 years ............ | 20.9 | 20.0 | 19.7 | 20.4 | 19.4 | 20.5 | 20.3 | 19.6 | 20.4 | 20.7 | 20.8 | 20.1 | 19.0 |
| Part-time workers ....................... | 5.1 | 5.4 | 5.2 | 5.6 | 4.9 | 4.9 | 5.2 | 5.2 | 5.3 | 5.3 | 5.5 | 5.4 | 5.2 |
| Men, 16 years and over ................ | 6.1 | 6.8 | 7.0 | 7.0 | 6.5 | 6.5 | 7.0 | 6.8 | 6.8 | 7.0 | 7.3 | 7.1 | 7.2 |
| Men, 20 years and over ................. | 4.0 | 3.9 | 4.0 | 4.1 | 4.0 | 3.6 | 3.5 | 4.0 | 3.8 | 3.8 | 4.0 | 3.9 | 3.8 |
| Women, 16 years and over ........... | 4.5 | 4.6 | 4.4 | 4.8 | 4.3 | 4.2 | 4.5 | 4.5 | 4.5 | 4.3 | 4.5 | 4.6 | 4.0 |
| Women, 20 years and over ........... | 3.4 | 3.6 | 3.3 | 3.8 | 3.2 | 3.1 | 3.5 | 3.5 | 3.4 | 3.1 | 3.2 | 3.4 | 3.0 |
| Both sexes, 16 to 19 years ............ | 10.9 | 11.4 | 11.5 | 11.8 | 10.2 | 11.0 | 11.4 | 11.1 | 12.2 | 12.2 | 12.7 | 12.1 | 11.7 |

1 These rates reflect a refined definition of the full- and part-time labor force and differ from the rates published elsewhere in this publication prior to 1994. NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey. Data have been revised based on the experience through December 1998. See the article in this issue for additional information.

A-7. Employed persons by marital status, occupation, class of worker, and part-time status, seasonally adjusted
(In thousands)

| Category | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| MARITAL STATUS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 130,638 | 130,943 | 131,021 | 130,908 | 131,280 | 131,330 | 131,253 | 131,176 | 131,264 | 131,818 | 131,858 | 132,113 | 132,526 |
| Married men, spouse present | 42,879 | 42,894 | 42,869 | 42,789 | 42,860 | 42,560 | 42,648 | 42,850 | 42,874 | 43,170 | 43,090 | 43,209 | 43,227 |
| Married women, spouse present | 32,899 | 32,837 | 32,829 | 32,853 | 32,919 | 32,815 | 32,820 | 32,719 | 32,670 | 32,891 | 33,037 | 32,953 | 33,093 |
| Women who maintain families .... | 7,788 | 7,797 | 7,872 | 7,802 | 7,829 | 7,854 | 7,909 | 7,875 | 7,928 | 7,984 | 7,940 | 7,969 | 8,087 |
| OCCUPATION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Managerial and professional specialty ...... | 38,159 | 38,124 | 38,210 | 38,433 | 38,617 | 38,681 | 38,786 | 39,020 | 38,942 | 39,553 | 39,679 | 39,459 | 39,729 |
| Technical, sales, and administrative support | 38,570 | 38,462 | 38,519 | 38,631 | 38,568 | 38,493 | 38,573 | 38,513 | 38,843 | 38,478 | 38,431 | 38,430 | 38,307 |
| Service occupations ................ | 17,847 | 18,089 | 17,899 | 17,796 | 17,527 | 17,776 | 17,856 | 17,683 | 17,770 | 17,926 | 17,692 | 18,024 | 17,976 |
| Precision production, craft, and repair ....... | 14,309 | 14,298 | 14,368 | 14,552 | 14,566 | 14,766 | 14,466 | 14,334 | 14,158 | 14,045 | 14,192 | 14,552 | 14,685 |
| Operators, fabricators, and laborers .......... | 18,302 | 18,556 | 18,526 | 18,226 | 18,374 | 18,284 | 18,152 | 18,157 | 17,968 | 18,118 | 18,168 | 18,067 | 18,480 |
| Farming, forestry, and fishing .................. | 3,484 | 3,418 | 3,477 | 3,326 | 3,494 | 3,487 | 3,513 | 3,519 | 3,590 | 3,585 | 3,604 | 3,538 | 3,396 |
| CLASS OF WORKER |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agriculture: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wage and salary workers | 1,870 | 1,929 | 1,936 | 1,905 | 1,990 | 1,920 | 1,857 | 2,010 | 2,111 | 2,145 | 2,247 | 2,005 | 1,912 |
| Self-employed workers | 1,479 | 1,367 | 1,362 | 1,264 | 1,345 | 1,391 | 1.445 | 1,374 | 1,342 | 1,290 | 1,282 | 1,304 | 1,304 |
| Unpaid family workers ........................ | 53 | 44 | 42 | 34 | 33 | 50 | 44 | 32 | 31 | 40 | 33 | 40 | 34 |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wage and salary workers | 118,255 | 118,491 | 118,704 | 118,797 | 118,705 | 118,852 | 118,733 | 118,647 | 118,840 | 119,148 | 119,275 | 119,718 | 120,380 |
| Private industries | 100,055 | 100,184 | 100,402 | 100,673 | 100,474 | 100,690 | 100,266 | 100,273 | 100,508 | 100,700 | 100,728 | 101,111 | 101,694 |
| Private households | 960 | 981 | 1,017 | 997 | 996 | 992 | 962 | 966 | 871 | 918 | 946 | 969 | 943 |
| Other industries | 99,095 | 99,203 | 99,385 | 99,676 | 99,478 | 99,698 | 99,304 | 99,307 | 99,637 | 99,782 | 99,782 | 100,142 | 100,751 |
| Government | 18,200 | 18,307 | 18,302 | 18,124 | 18,231 | 18,162 | 18,467 | 18,374 | 18,332 | 18,448 | 18,547 | 18,607 | 18,686 |
| Self-employed workers | 8,918 | 8,958 | 8,826 | 8,831 | 9,064 | 9,012 | 8,971 | 9,060 | 8,955 | 9,096 | 9,030 | 8,929 | 8,814 |
| Unpaid family workers ........................ | 101 | 115 | 113 | 105 | 119 | 95 | 97 | 91 | 88 | 88 | 95 | 112 | 122 |
| PERSONS AT WORK PART TIME ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All industries: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Part time for economic reasons | 3,836 | 4,015 | 3,864 | 3,866 | 3,755 | 3,754 | 3,792 | 3,757 | 3,503 | 3,419 | 3,404 | 3,340 | 3,417 |
| Slack work or business conditions ....... | 2,237 | 2,254 | 2,145 | 2,183 | 2,095 | 2,119 | 2,183 | 2,299 | 2,019 | 1,913 | 2,031 | 1,910 | 1,927 |
| Could only find part-time work ........... | 1,309 | 1,388 | 1,415 | 1,398 | 1,308 | 1,317 | 1,248 | 1,213 | 1,188 | 1,168 | 1,136 | 1,157 | 1,148 |
| Part time for noneconomic reasons ........ | 18,487 | 18,429 | 18,407 | 18,434 | 18,296 | 18,544 | 18,619 | 18,589 | 18,653 | 18,687 | 18,667 | 18,634 | 18,674 |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Part time for economic reasons ............. | 3,663 | 3,829 | 3,714 | 3,698 | 3,606 | 3,608 | 3,618 | 3,606 | 3,339 | 3,191 | 3,253 | 3,191 | 3,257 |
| Slack work or business conditions ....... | 2,122 | 2,138 | 2,044 | 2,062 | 2,010 | 2,033 | 2,102 | 2,193 | 1,926 | 1,800 | 1,927 | 1,824 | 1,841 |
| Could only find part-time work ............ | 1,283 | 1,361 | 1,390 | 1,370 | 1,282 | 1,286 | 1,210 | 1,182 | 1,155 | 1,132 | 1,110 | 1,130 | 1,116 |
| Part time for noneconomic reasons ........ | 17,864 | 17,793 | 17,791 | 17,872 | 17,653 | 17,956 | 17,992 | 17,982 | 18,031 | 18,161 | 18,107 | 18,110 | 18,155 |

${ }^{1}$ Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who usually work full time but worked only 1 to 34 hours during the reference week for reasons such as holidays, illness, and bad weather.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data have been revised based on the experience through December 1998. See the article in this issue for additional information.

## A-8. Employed persons by age and sex, seasonally adjusted

(In thousands)

| Age and sex | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Total, 16 years and over .............. | 130,638 | 130,943 | 131,021 | 130,908 | 131,280 | 131,330 | 131,253 | 131,176 | 131,264 | 131,818 | 131,858 | 132,113 | 132,526 |
| 16 to 24 years ............................... | 19,293 | 19,553 | 19,540 | 19,492 | 19,615 | 19,568 | 19,569 | 19,471 | 19,490 | 19,676 | 19,757 | 19,705 | 19,859 |
| 16 to 19 years ............................. | 6,837 | 7,000 | 6,997 | 7,003 | 6,990 | 7,011 | 7,069 | 7,042 | 7,029 | 7,130 | 7,059 | 7,037 | 7,228 |
| 16 to 17 years | 2,665 | 2,806 | 2,779 | 2,804 | 2,797 | 2,746 | 2,710 | 2,752 | 2,730 | 2,788 | 2,721 | 2,709 | 2,808 |
| 18 to 19 years | 4,170 | 4,196 | 4,206 | 4,206 | 4,189 | 4,264 | 4,392 | 4,302 | 4,286 | 4,339 | 4,332 | 4,340 | 4,419 |
| 20 to 24 years | 12,456 | 12,553 | 12,543 | 12,489 | 12,625 | 12,557 | 12,500 | 12,429 | 12,461 | 12,546 | 12,698 | 12,668 | 12,631 |
| 25 years and over | 111,323 | 111,417 | 111,442 | 111,397 | 111,669 | 111,810 | 111,681 | 111,679 | 111,820 | 112,115 | 112,126 | 112,409 | 112,654 |
| 25 to 54 years | 94,895 | 95,055 | 95,079 | 95,063 | 95,168 | 95,181 | 95,134 | 95,102 | 95,212 | 95,364 | 95,309 | 95,623 | 95,822 |
| 55 years and over ........................ | 16,454 | 16,355 | 16,421 | 16,383 | 16,478 | 16,553 | 16,503 | 16,647 | 16,607 | 16,783 | 16,771 | 16,781 | 16,871 |
| Men, 16 years and over ............... | 70,133 | 70,387 | 70,411 | 70,295 | 70,695 | 70,603 | 70,592 | 70,629 | 70,503 | 70,841 | 70,925 | 71,182 | 71,204 |
| 16 to 24 years | 9,982 | 10,149 | 10,128 | 10,133 | 10,213 | 10,138 | 10,203 | 10,118 | 10,141 | 10,206 | 10,246 | 10,332 | 10,347 |
| 16 to 19 years | 3,497 | 3,495 | 3,484 | 3,526 | 3,522 | 3,519 | 3,598 | 3,573 | 3,563 | 3,579 | 3,563 | 3,609 | 3,651 |
| 16 to 17 years | 1,360 | 1,449 | 1,401 | 1,433 | 1,428 | 1,384 | 1,381 | 1,396 | 1,377 | 1,393 | 1,348 | 1,380 | 1,405 |
| 18 to 19 years | 2,133 | 2,058 | 2,087 | 2,100 | 2,101 | 2,131 | 2,247 | 2,180 | 2,177 | 2,172 | 2,213 | 2,218 | 2,243 |
| 20 to 24 years | 6,485 | 6,654 | 6,644 | 6,607 | 6,691 | 6,619 | 6,605 | 6,545 | 6,578 | 6,627 | 6,683 | 6,723 | 6,696 |
| 25 years and over | 60,131 | 60,243 | 60,258 | 60,152 | 60,467 | 60,502 | 60,380 | 60,508 | 60,444 | 60,617 | 60,680 | 60,840 | 60,843 |
| 25 to 54 years ............................. | 51,043 | 51,180 | 51.186 | 51,160 | 51,311 | 51,273 | 51,182 | 51,205 | 51,167 | 51,232 | 51,299 | 51,606 | 51,502 |
| 55 years and over ........................ | 9,117 | 9,069 | 9,113 | 9,015 | 9,124 | 9,207 | 9,162 | 9,327 | 9,238 | 9,386 | 9,340 | 9,311 | 9,374 |
| Women, 16 years and over .......... | 60,505 | 60,556 | 60,610 | 60,613 | 60,585 | 60,727 | 60,661 | 60,547 | 60,761 | 60,977 | 60,933 | 60,931 | 61,322 |
| 16 to 24 years | 9,311 | 9,404 | 9,412 | 9,359 | 9,402 | 9,430 | 9,366 | 9,353 | 9,349 | 9,470 | 9,511 | 9,373 | 9,512 |
| 16 to 19 years ............................. | 3,340 | 3,505 | 3,513 | 3,477 | 3,468 | 3,492 | 3,471 | 3,469 | 3,466 | 3,551 | 3,496 | 3,428 | 3,577 |
| 16 to 17 years | 1,305 | 1,357 | 1,378 | 1,371 | 1,369 | 1,362 | 1,329 | 1,356 | 1,353 | 1,395 | 1,373 | 1,329 | 1,403 |
| 18 to 19 years ........................... | 2,037 | 2,138 | 2,119 | 2,106 | 2,088 | 2,133 | 2,145 | 2,122 | 2,109 | 2,167 | 2,119 | 2,122 | 2,176 |
| 20 to 24 years ............................. | 5,971 | 5,899 | 5,899 | 5,882 | 5,934 | 5,938 | 5,895 | 5,884 | 5,883 | 5,919 | 6,015 | 5,945 | 5,935 |
| 25 years and over | 51,192 | 51,174 | 51,184 | 51,245 | 51,202 | 51,308 | 51,301 | 51,171 | 51,376 | 51,498 | 51,446 | 51,569 | 51,811 |
| 25 to 54 years. | 43,852 | 43,875 | 43,893 | 43,903 | 43,857 | 43,908 | 43,952 | 43,897 | 44,045 | 44,132 | 44,010 | 44,017 | 44,320 |
| 55 years and over. | 7,337 | 7,286 | 7,308 | 7,368 | 7,354 | 7,346 | 7,341 | 7,320 | 7,369 | 7,397 | 7,431 | 7,470 | 7,497 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## A-9. Unemployed persons by age and sex, seasonally adjusted

(In thousands)

| Age and sex | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Total, 16 years and over .............. | 6,448 | 6,345 | 6,363 | 6,432 | 5,952 | 6,039 | 6,245 | 6,231 | 6,217 | 6,263 | 6,258 | 6,080 | 6,021 |
| 16 to 24 years .............................. | 2,287 | 2,375 | 2,350 | 2,321 | 2,122 | 2,215 | 2,329 | 2,267 | 2,366 | 2,400 | 2,320 | 2,171 | 2,153 |
| 16 to 19 years .............................. | 1,122 | 1,158 | 1,203 | 1,225 | 1,087 | 1,167 | 1,226 | 1,162 | 1,226 | 1,278 | 1,318 | 1,237 | 1,172 |
| 16 to 17 years ........................... | 577 | 584 | 622 | 572 | 521 | 535 | 593 | 513 | 565 | 596 | 607 | 595 | 573 |
| 18 to 19 years ............................ | 556 | 559 | 567 | 655 | 576 | 640 | 634 | 646 | 669 | 679 | 704 | 646 | 611 |
| 20 to 24 years. | 1,165 | 1,217 | 1,147 | 1,096 | 1,035 | 1,048 | 1,103 | 1,105 | 1,140 | 1,122 | 1,002 | 934 | 981 |
| 25 years and over.. | 4,162 | 4,011 | 3,999 | 4,115 | 3,815 | 3,845 | 3,901 | 3,930 | 3,865 | 3,894 | 3,931 | 3,879 | 3,864 |
| 25 to 54 years. | 3,668 | 3,576 | 3,561 | 3,661 | 3,365 | 3,385 | 3,455 | 3,437 | 3,419 | 3,416 | 3,475 | 3,377 | 3,340 |
| 55 years and over | 469 | 457 | 450 | 476 | 434 | 423 | 432 | 483 | 449 | 464 | 466 | 516 | 517 |
| Men, 16 years and over ............... | 3,429 | 3,332 | 3,324 | 3,362 | 3,028 | 3,189 | 3,274 | 3,360 | 3,251 | 3,361 | 3,264 | 3,163 | 3,233 |
| 16 to 24 years | 1,229 | 1,285 | 1,317 | 1,280 | 1,135 | 1,263 | 1,276 | 1,289 | 1,286 | 1,374 | 1,255 | 1,190 | 1,247 |
| 16 to 19 years ............................. | 576 | 677 | 692 | 685 | 585 | 665 | 678 | 678 | 673 | 754 | 713 | 713 | 717 |
| 16 to 17 years ............................ | 307 | 322 | 360 | 322 | 269 | 309 | 356 | 307 | 320 | 352 | 357 | 344 | 349 |
| 18 to 19 years. | 266 | 350 | 327 | 364 | 329 | 361 | 332 | 365 | 360 | 386 | 351 | 373 | 364 |
| 20 to 24 years.. | 653 | 608 | 625 | 595 | 550 | 598 | 598 | 611 | 613 | 620 | 542 | 477 | 530 |
| 25 years and over | 2,201 | 2,049 | 1,997 | 2,068 | 1,898 | 1,949 | 1,991 | 2,068 | 1,983 | 1,994 | 2,006 | 1,952 | 1,987 |
| 25 to 54 years ...... | 1,881 | 1,789 | 1,734 | 1,805 | 1,640 | 1,677 | 1,748 | 1,777 | 1,739 | 1,711 | 1,739 | 1,652 | 1,688 |
| 55 years and over ........................ | 319 | 279 | 268 | 275 | 250 | 238 | 238 | 288 | 247 | 286 | 276 | 296 | 300 |
| Women, 16 years and over ......... | 3,019 | 3,013 | 3,039 | 3,070 | 2,924 | 2,850 | 2,971 | 2,871 | 2,966 | 2,902 | 2,994 | 2,917 | 2,788 |
| 16 to 24 years ............................... | 1,058 | 1,090 | 1,033 | 1,041 | 987 | 952 | 1,053 | 978 | 1,080 | 1,026 | 1,065 | 981 | 906 |
| 16 to 19 years ............................. | 546 | 481 | 511 | 540 | 502 | 502 | 548 | 484 | 553 | 524 | 605 | 524 | 455 |
| 16 to 17 years ........................... | 270 | 262 | 262 | 250 | 252 | 226 | 237 | 206 | 245 | 244 | 250 | 251 | 224 |
| 18 to 19 years ........................... | 290 | 209 | 240 | 291 | 247 | 279 | 302 | 281 | 309 | 293 | 353 | 273 | 247 |
| 20 to 24 years ............................. | 512 | 609 | 522 | 501 | 485 | 450 | 505 | 494 | 527 | 502 | 460 | 457 | 451 |
| 25 years and over | 1.961 | 1,962 | 2,002 | 2,047 | 1,917 | 1.896 | 1,910 | 1,862 | 1,882 | 1,900 | 1,925 | 1,927 | 1,877 |
| 25 to 54 years .... | 1,787 | 1,787 | 1,827 | 1,856 | 1,725 | 1,708 | 1,707 | 1,660 | 1,680 | 1,705 | 1,736 | 1,725 | 1,652 |
| 55 years and over ........................ | 150 | 178 | 182 | 201 | 184 | 185 | 194 | 195 | 202 | 178 | 190 | 220 | 217 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## A-10. Unemployment rates by age and sex, seasonally adjusted

(Percent)

| Age and sex | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Total, 16 years and over ........ | 4.7 | 4.6 | 4.6 | 4.7 | 4.3 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.4 | 4.3 |
| 16 to 24 years | 10.6 | 10.8 | 10.7 | 10.6 | 9.8 | 10.2 | 10.6 | 10.4 | 10.8 | 10.9 | 10.5 | 9.9 | 9.8 |
| 16 to 19 years ........................... | 14.1 | 14.2 | 14.7 | 14.9 | 13.5 | 14.3 | 14.8 | 14.2 | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 |
| 16 to 17 years .......................... | 17.8 | 17.2 | 18.3 | 16.9 | 15.7 | 16.3 | 18.0 | 15.7 | 17.1 | 17.6 | 18.2 | 18.0 | 16.9 |
| 18 to 19 years. | 11.8 | 11.8 | 11.9 | 13.5 | 12.1 | 13.1 | 12.6 | 13.1 | 13.5 | 13.5 | 14.0 | 13.0 | 12.1 |
| 20 to 24 years ........................... | 8.6 | 8.8 | 8.4 | 8.1 | 7.6 | 7.7 | 8.1 | 8.2 | 8.4 | 8.2 | 7.3 | 6.9 | 7.2 |
| 25 years and over ......................... | 3.6 | 3.5 | 3.5 | 3.6 | 3.3 | 3.3 | 3.4 | 3.4 | 3.3 | 3.4 | 3.4 | 3.3 | 3.3 |
| 25 to 54 years ........................... | 3.7 | 3.6 | 3.6 | 3.7 | 3.4 | 3.4 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 |
| 55 years and over ........................ | 2.8 | 2.7 | 2.7 | 2.8 | 2.6 | 2.5 | 2.6 | 2.8 | 2.6 | 2.7 | 2.7 | 3.0 | 3.0 |
| Men, 16 years and over .... | 4.7 | 4.5 | 4.5 | 4.6 | 4.1 | 4.3 | 4.4 | 4.5 | 4.4 | 4.5 | 4.4 | 4.3 | 4.3 |
| 16 to 24 years | 11.0 | 11.2 | 11.5 | 11.2 | 10.0 | 11.1 | 11.1 | 11.3 | 11.3 | 11.9 | 10.9 | 10.3 | 10.8 |
| 16 to 19 years | 14.1 | 16.2 | 16.6 | 16.3 | 14.2 | 15.9 | 15.9 | 15.9 | 15.9 | 17.4 | 16.7 | 16.5 | 16.4 |
| 16 to 17 years | 18.4 | 18.2 | 20.4 | 18.3 | 15.9 | 18.3 | 20.5 | 18.0 | 18.9 | 20.2 | 20.9 | 20.0 | 19.9 |
| 18 to 19 years | 11.1 | 14.5 | 13.5 | 14.8 | 13.5 | 14.5 | 12.9 | 14.3 | 14.2 | 15.1 | 13.7 | 14.4 | 14.0 |
| 20 to 24 years ... | 9.1 | 8.4 | 8.6 | 8.3 | 7.6 | 8.3 | 8.3 | 8.5 | 8.5 | 8.6 | 7.5 | 6.6 | 7.3 |
| 25 years and over ........................ | 3.5 | 3.3 | 3.2 | 3.3 | 3.0 | 3.1 | 3.2 | 3.3 | 3.2 | 3.2 | 3.2 | 3.1 | 3.2 |
| 25 to 54 years. | 3.6 | 3.4 | 3.3 | 3.4 | 3.1 | 3.2 | 3.3 | 3.4 | 3.3 | 3.2 | 3.3 | 3.1 | 3.2 |
| 55 years and over ........................ | 3.4 | 3.0 | 2.9 | 3.0 | 2.7 | 2.5 | 2.5 | 3.0 | 2.6 | 3.0 | 2.9 | 3.1 | 3.1 |
| Women, 16 years and over .......... | 4.8 | 4.7 | 4.8 | 4.8 | 4.6 | 4.5 | 4.7 | 4.5 | 4.7 | 4.5 | 4.7 | 4.6 | 4.3 |
| 161024 years ............................. | 10.2 | 10.4 | 9.9 | 10.0 | 9.5 | 9.2 | 10.1 | 9.5 | 10.4 | 9.8 | 10.1 | 9.5 | 8.7 |
| 16 to 19 years ............................ | 14.1 | 12.1 | 12.7 | 13.4 | 12.6 | 12.6 | 13.6 | 12.2 | 13.8 | 12.9 | 14.8 | 13.3 | 11.3 |
| 16 to 17 years .......................... | 17.1 | 16.2 | 16.0 | 15.4 | 15.5 | 14.2 | 15.1 | 13.2 | 15.3 | 14.9 | 15.4 | 15.9 | 13.8 |
| 18 to 19 years .......................... | 12.5 | 8.9 | 10.2 | 12.1 | 10.6 | 11.6 | 12.3 | 11.7 | 12.8 | 11.9 | 14.3 | 11.4 | 10.2 |
| 20 to 24 years ........................... | 7.9 | 9.4 | 8.1 | 7.8 | 7.6 | 7.0 | 7.9 | 7.7 | 8.2 | 7.8 | 7.1 | 7.1 | 7.1 |
| 25 years and over ......................... | 3.7 | 3.7 | 3.8 | 3.8 | 3.6 | 3.6 | 3.6 | 3.5 | 3.5 | 3.6 | 3.6 | 3.6 | 3.5 |
| 25 to 54 years ............................ | 3.9 | 3.9 | 4.0 | 4.1 | 3.8 | 3.7 | 3.7 | 3.6 | 3.7 | 3.7 | 3.8 | 3.8 | 3.6 |
| 55 years and over ........................ | 2.0 | 2.4 | 2.4 | 2.7 | 2.4 | 2.5 | 2.6 | 2.6 | 2.7 | 2.3 | 2.5 | 2.9 | 2.8 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

A-11. Unemployment rates by occupation, industry, and selected demographic characteristics, seasonally adjusted
(Percent)

| Category | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| CHARACTERISTIC |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 4.7 | 4.6 | 4.6 | 4.7 | 4.3 | 4.4 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.4 | 4.3 |
| Men, 20 years and over | 4.1 | 3.8 | 3.8 | 3.9 | 3.5 | 3.6 | 3.7 | 3.8 | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 |
| Women, 20 years and over | 4.1 | 4.2 | 4.2 | 4.2 | 4.1 | 3.9 | 4.1 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 3.9 |
| Both sexes, 16 to 19 years ................................. | 14.1 | 14.2 | 14.7 | 14.9 | 13.5 | 14.3 | 14.8 | 14.2 | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 |
| White ............................................................. | 3.9 | 4.0 | 3.9 | 4.0 | 3.7 | 3.8 | 4.0 | 3.8 | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 |
| Black and other ................................................. | 8.8 | 8.2 | 8.2 | 8.1 | 7.6 | 7.7 | 7.6 | 8.1 | 7.6 | 7.9 | 7.6 | 7.5 | 7.0 |
| Black | 10.1 | 9.4 | 9.4 | 9.2 | 9.0 | 8.9 | 8.5 | 9.6 | 8.9 | 9.0 | 8.6 | 8.6 | 7.9 |
| Hispanic origin ................................................. | 7.2 | 7.0 | 6.9 | 7.0 | 6.7 | 6.9 | 7.5 | 7.2 | 7.4 | 7.4 | 7.3 | 7.3 | 7.6 |
| Married men, spouse present ............................. | 2.6 | 2.5 | 2.5 | 2.5 | 2.3 | 2.4 | 2.2 | 2.3 | 2.3 | 2.3 | 2.3 | 2.2 | 2.3 |
| Married women, spouse present ......................... | 2.9 | 3.0 | 3.0 | 3.2 | 2.8 | 2.8 | 2.9 | 2.8 | 3.1 | 2.7 | 2.8 | 2.9 | 2.8 |
| Women who maintain families ............................ | 7.8 | 7.6 | 7.5 | 7.5 | 7.5 | 7.5 | 7.1 | 6.9 | 6.8 | 7.6 | 6.9 | 6.9 | 6.3 |
| OCCUPATION ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Managerial and professional specialty ................. | 1.9 | 1.9 | 2.0 | 1.8 | 1.9 | 1.7 | 1.7 | 1.7 | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 |
| Technical, sales, and administrative support .......... | 4.0 | 4.1 | 4.0 | 4.0 | 3.7 | 3.9 | 3.9 | 3.8 | 3.7 | 3.9 | 3.9 | 3.7 | 3.7 |
| Precision production, craft, and repair .................. | 4.7 | 4.6 | 4.3 | 4.4 | 3.8 | 4.4 | 4.3 | 4.3 | 4.5 | 4.3 | 4.0 | 3.8 | 3.2 |
| Operators, fabricators, and laborers ...................... | 6.8 | 6.1 | 6.6 | 6.8 | 6.4 | 6.6 | 6.9 | 6.9 | 6.6 | 7.0 | 6.8 | 6.7 | 6.7 |
| Farming, forestry, and fishing | 6.9 | 6.7 | 6.4 | 6.9 | 6.1 | 6.5 | 6.4 | 6.6 | 5.9 | 7.0 | 5.4 | 6.3 | 7.5 |
| INDUSTRY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nonagricultural private wage and salary workers ... | 4.8 | 4.7 | 4.7 | 4.7 | 4.4 | 4.5 | 4.6 | 4.6 | 4.7 | 4.8 | 4.6 | 4.5 | 4.4 |
| Goods-producing industries .............................. | 5.1 | 4.8 | 4.8 | 5.0 | 4.5 | 4.6 | 4.7 | 4.8 | 4.8 | 5.1 | 4.6 | 4.6 | 4.6 |
| Mining ......................................................... | 2.6 | 3.7 | 2.7 | 3.4 | 2.9 | 1.6 | 4.0 | 3.9 | 3.6 | 3.0 | 2.4 | 2.2 | 4.3 |
| Construction ................................................ | 9.3 | 8.1 | 8.0 | 8.4 | 6.6 | 8.0 | 7.9 | 6.8 | 7.4 | 8.6 | 6.7 | 7.0 | 6.4 |
| Manufacturing ............................................... | 3.8 | 3.8 | 3.8 | 3.9 | 3.9 | 3.6 | 3.6 | 4.3 | 3.9 | 4.0 | 3.9 | 3.8 | 4.0 |
| Durable goods ........................................... | 3.1 | 3.3 | 3.0 | 3.6 | 3.4 | 3.0 | 3.0 | 4.1 | 3.5 | 3.7 | 3.2 | 3.2 | 3.4 |
| Nondurable goods ...................................... | 4.8 | 4.6 | 4.9 | 4.3 | 4.5 | 4.6 | 4.6 | 4.6 | 4.5 | 4.6 | 5.1 | 4.8 | 4.9 |
| Service-producing industries | 4.7 | 4.7 | 4.7 | 4.6 | 4.4 | 4.5 | 4.6 | 4.6 | 4.7 | 4.6 | 4.7 | 4.5 | 4.4 |
| Transportation and public utilities ..................... | 3.3 | 3.8 | 3.3 | 3.3 | 3.2 | 3.1 | 3.5 | 3.4 | 3.5 | 3.5 | 3.5 | 3.2 | 3.2 |
| Wholesale and retail trade .............................. | 5.8 | 5.8 | 5.7 | 5.5 | 5.4 | 5.3 | 5.6 | 5.6 | 5.6 | 5.7 | 5.6 | 5.2 | 5.5 |
| Finance, insurance, and real estate ................. | 2.7 | 2.6 | 2.5 | 2.5 | 2.3 | 2.1 | 2.2 | 2.1 | 2.7 | 2.4 | 2.5 | 2.8 | 2.8 |
| Services ....................................................... | 4.6 | 4.4 | 4.6 | 4.7 | 4.3 | 4.7 | 4.6 | 4.6 | 4.7 | 4.5 | 4.7 | 4.6 | 4.1 |
| Government workers ........................................ | 2.1 | 2.4 | 2.3 | 2.8 | 2.0 | 2.4 | 2.2 | 2.4 | 2.2 | 2.2 | 2.2 | 2.1 | 2.0 |
| Agricultural wage and salary workers ................... | 9.4 | 10.3 | 8.5 | 9.2 | 8.0 | 8.0 | 8.4 | 8.2 | 7.4 | 7.9 | 6.7 | 7.6 | 8.3 |

1 Seasonally adjusted data for service occupations are not available because the seasonal component, which is small relative to the trend-cycle and irregular components, cannot be separated with sufficient precision.

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey. Data have been revised based on the experience through December 1998. See the article in this issue for additional information.

## A-12. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

| Reason | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs .... | 2,966 | 2,826 | 2,827 | 2,950 | 2,706 | 2,822 | 2,832 | 2,865 | 2,834 | 2,865 | 2,813 | 2,758 | 2,754 |
| On temporary layoff ...................................................... | 955 | 862 | 836 | 966 | 723 | 816 | 851 | 931 | 937 | 909 | 857 | 850 | 841 |
| Not on temporary layoff ................................................ | 2,011 | 1,964 | 1,991 | 1,984 | 1,983 | 2,006 | 1,981 | 1,934 | 1,897 | 1,956 | 1,956 | 1,908 | 1,913 |
| Job leavers .................................................................. | 715 | 792 | 773 | 745 | 641 | 749 | 754 | 770 | 734 | 727 | 730 | 677 | 709 |
| Reentrants ................................................................... | 2,193 | 2,215 | 2,206 | 2,187 | 2,115 | 2,081 | 2,112 | 2,072 | 2,124 | 2,161 | 2,142 | 2,130 | 2,031 |
| New entrants ............................................................... | 549 | 524 | 538 | 544 | 518 | 505 | 517 | 474 | 507 | 501 | 577 | 534 | 504 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs .... | 46.2 | 44.5 | 44.6 | 45.9 | 45.3 | 45.8 | 45.6 | 46.4 | 45.7 | 45.8 | 44.9 | 45.2 | 45.9 |
| On temporary layoff ..................................................... | 14.9 | 13.6 | 13.2 | 15.0 | 12.1 | 13.3 | 13.7 | 15.1 | 15.1 | 14.5 | 13.7 | 13.9 | 14.0 |
| Not on temporary layoff ............................................... | 31.3 | 30.9 | 31.4 | 30.9 | 33.2 | 32.6 | 31.9 | 31.3 | 30.6 | 31.3 | 31.2 | 31.3 | 31.9 |
| Job leavers .................................................................. | 11.1 | 12.5 | 12.2 | 11.6 | 10.7 | 12.2 | 12.1 | 12.5 | 11.8 | 11.6 | 11.7 | 11.1 | 11.8 |
| Reentrants | 34.1 | 34.8 | 34.8 | 34.0 | 35.4 | 33.8 | 34.0 | 33.5 | 34.3 | 34.6 | 34.2 | 34.9 | 33.9 |
| New entrants ................................................................ | 8.5 | 8.2 | 8.5 | 8.5 | 8.7 | 8.2 | 8.3 | 7.7 | 8.2 | 8.0 | 9.2 | 8.8 | 8.4 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs .... | 2.2 | 2.1 | 2.1 | 2.1 | 2.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | 2.0 | 2.0 |
| Job leavers ................................................................... | . 5 | . 6 | . 6 | . 5 | . 5 | . 5 | . 5 | . 6 | . 5 | . 5 | . 5 | . 5 | . 5 |
| Reentrants ................................................................... | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.6 | 1.6 | 1.5 | 1.5 |
| New entrants .............................................................. | . 4 | .4 | . 4 | . 4 | . 4 | . 4 | . 4 | . 3 | .4 | .4 | . 4 | . 4 | . 4 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## A-13. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

| Duration | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Less than 5 weeks. | 2,558 | 2,520 | 2,598 | 2,792 | 2,626 | 2,608 | 2,553 | 2,626 | 2,652 | 2,638 | 2,754 | 2,546 | 2.614 |
| 5 to 14 weeks | 1,962 | 1,976 | 1,931 | 1,971 | 1,929 | 1,967 | 2,022 | 1,975 | 1,956 | 1,968 | 1,896 | 1,983 | 1,839 |
| 15 weeks and over | 1,926 | 1,811 | 1,804 | 1,728 | 1,461 | 1,509 | 1,641 | 1,606 | 1,644 | 1,636 | 1,598 | 1,611 | 1,578 |
| 15 to 26 weeks | 921 | 802 | 849 | 830 | 605 | 671 | 833 | 783 | 810 | 732 | 732 | 752 | 754 |
| 27 weeks and over | 1,005 | 1,009 | 955 | 898 | 856 | 838 | 808 | 823 | 834 | 904 | 866 | 859 | 824 |
| Average (mean) duration, in weeks ........ | 16.0 | 15.5 | 15.4 | 14.6 | 14.5 | 14.7 | 14.1 | 14.3 | 13.7 | 14.3 | 14.1 | 14.4 | 14.1 |
| Median duration, in weeks .................... | 7.4 | 7.3 | 7.1 | 6.9 | 6.6 | 6.1 | 6.7 | 6.7 | 6.8 | 6.6 | 5.9 | 6.7 | 6.7 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemployed ............................... | 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 |
| Less than 5 weeks ............................ | 39.7 | 40.0 | 41.0 | 43.0 | 43.7 | 42.9 | 41.1 | 42.3 | 42.4 | 42.3 | 44.1 | 41.5 | 43.3 |
| 5 to 14 weeks .................................. | 30.4 | 31.3 | 30.5 | 30.4 | 32.1 | 32.3 | 32.5 | 31.8 | 31.3 | 31.5 | 30.3 | 32.3 | 30.5 |
| 15 weeks and over ........................... | 29.9 | 28.7 | 28.5 | 26.6 | 24.3 | 24.8 | 26.4 | 25.9 | 26.3 | 26.2 | 25.6 | 26.2 | 26.2 |
| 15 to 26 weeks ............................... | 14.3 | 12.7 | 13.4 | 12.8 | 10.1 | 11.0 | 13.4 | 12.6 | 13.0 | 11.7 | 11.7 | 12.2 | 12.5 |
| 27 weeks and over .......................... | 15.6 | 16.0 | 15.1 | 13.8 | 14.2 | 13.8 | 13.0 | 13.3 | 13.3 | 14.5 | 13.9 | 14.0 | 13.7 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

A-14. Employment status of the civilian noninstitutional population by age, sex, and race
(Numbers in thousands)

| Age, sex, and race | December 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | Total | Percent of population | Civilian labor force |  |  |  |  |  |  |
|  |  |  |  | Employed |  |  |  | Unemployed |  | Not in labor force |
|  |  |  |  | Total | Percent of population | Agriculture | Nonagricultural industries | Number | Percent of labor force |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 206,270 | 138,297 | 67.0 | 132,732 | 64.3 | 2,953 | 129,779 | 5,565 | 4.0 | 67.973 |
| 16 to 19 years | 15,868 | 8,011 | 50.5 | 7.020 | 44.2 | 161 | 6,860 | 990 | 12.4 | 7,858 |
| 16 to 17 years ......................................... | 7,919 | 3,203 | 40.4 | 2,738 | 34.6 | 81 | 2,657 | 465 | 14.5 | 4,716 |
| 18 to 19 years ......................................... | 7,950 | 4,808 | 60.5 | 4,283 | 53.9 | 80 | 4,203 | 525 | 10.9 | 3,142 |
| 20 to 24 years ........................................... | 17,687 | 13,514 | 76.4 | 12,633 | 71.4 | 260 | 12,374 | 880 | 6.5 | 4,173 |
| 25 to 54 years ............................................ | 117,789 | 99,268 | 84.3 | 96,046 | 81.5 | 1.914 | 94,132 | 3,222 | 3.2 | 18.521 |
| 25 to 34 years ........................................ | 38,514 | 32,610 | 84.7 | 31,344 | 81.4 | 636 | 30,707 | 1,267 | 3.9 | 5,903 |
| 25 to 29 years ....................................... | 18,563 | 15,808 | 85.2 | 15,156 | 81.6 | 317 | 14,839 | 651 | 4.1 | 2,755 |
| 30 to 34 years ....................................... | 19,951 | 16,802 | 84.2 | 16,187 | 81.1 | 319 | 15,868 | 615 | 3.7 | 3,148 |
| 35 to 44 years ........................................ | 44,346 | 37.675 | 85.0 | 36,470 | 82.2 | 719 | 35,751 | 1,205 | 3.2 | 6,671 |
| 35 to 39 years ....................................... | 22,319 | 18,915 | 84.7 | 18,276 | 81.9 | 384 | 17,892 | 639 | 3.4 | 3,404 |
| 40 to 44 years | 22,027 | 18.760 | 85.2 | 18,194 | 82.6 | 335 | 17,859 | 566 | 3.0 | 3,267 |
| 45 to 54 years ......................................... | 34,929 | 28,982 | 83.0 | 28,233 | 80.8 | 558 | 27,674 | 750 | 2.6 | 5,946 |
| 45 to 49 years ....................................... | 19,002 | 16,184 | 85.2 | 15,720 | 82.7 | 319 | 15,401 | 464 | 2.9 | 2,818 |
| 50 to 54 years ....................................... | 15,927 | 12,798 | 80.4 | 12,513 | 78.6 | 239 | 12,273 | 286 | 2.2 | 3,129 |
| 55 to 64 years .......................................... | 22,651 | 13,508 | 59.6 | 13.177 | 58.2 | 363 | 12,814 | 331 | 2.4 | 9.143 |
| 55 to 59 years ........................................ | 12,496 | 8,723 | 69.8 | 8,513 | 68.1 | 210 | 8,304 | 210 | 2.4 | 3,773 |
| 60 to 64 years ......................................... | 10,154 | 4,784 | 47.1 | 4,663 | 45.9 | 153 | 4,510 | 121 | 2.5 | 5.370 |
| 65 years and over ...................................... | 32,275 | 3,997 | 12.4 | 3,855 | 11.9 | 256 | 3,599 | 142 | 3.6 | 28,278 |
| 65 to 69 years ......................................... | 9,342 | 2,166 | 23.2 | 2,096 | 22.4 | 109 | 1,987 | 70 | 3.2 | 7.176 |
| 70 to 74 years ........................................ | 8,521 | 1,090 | 12.8 | 1.054 | 12.4 | 73 | 981 | 36 | 3.3 | 7.432 |
| 75 years and over .................................... | 14,411 | 741 | 5.1 | 705 | 4.9 | 74 | 632 | 36 | 4.8 | 13.670 |
| Men |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ...................................... | 99,309 | 74,055 | 74.6 | 70,930 | 71.4 | 2,201 | 68,729 | 3,125 | 4.2 | 25,254 |
| 16 to 19 years ........................................... | 8,089 | 4,106 | 50.8 | 3,492 | 43.2 | 125 | 3,366 | 615 | 15.0 | 3,983 |
| 16 to 17 years ........................................ | 4,062 | 1,627 | 40.0 | 1,338 | 32.9 | 63 | 1,275 | 288 | 17.7 | 2.436 |
| 18 to 19 years ......................................... | 4,027 | 2,480 | 61.6 | 2,153 | 53.5 | 62 | 2,091 | 327 | 13.2 | 1.547 |
| 201024 years ........................................... | 8.889 | 7,194 | 80.9 | 6,670 | 75.0 | 215 | 6,455 | 524 | 7.3 | 1.695 |
| 25 to 54 years ............................................ | 57,832 | 53,064 | 91.8 | 51,360 | 88.8 | 1,403 | 49,957 | 1.704 | 3.2 | 4,768 |
| 25 to 34 years ....................................... | 18,943 | 17.629 | 93.1 | 16,956 | 89.5 | 482 | 16,474 | 673 | 3.8 | 1,314 |
| 25 to 29 years ....................................... | 9,108 | 8,468 | 93.0 | 8,722 | 89.2 | 249 | 7.874 | 345 | 4.1 | 640 |
| 30 to 34 years ................................... | 9,835 | 9,162 | 93.2 | 8,833 | 89.8 | 233 | 8,600 | 328 | 3.6 | 674 |
| 35 to 44 years ......................................... | 21,870 | 20,295 | 92.8 | 19,674 | 90.0 | 547 | 19,127 | 621 | 3.1 | 1,575 |
| 35 to 39 years ....................................... | 10,995 | 10,265 | 93.4 | 9,948 | 90.5 | 310 | 9.639 | 317 | 3.1 | 730 |
| 40 to 44 years ....................................... | 10,875 | 10,030 | 92.2 | 9,726 | 89.4 | 238 | 9,489 | 304 | 3.0 | 845 |
| 45 to 54 years .......................................... | 17.019 | 15,139 | 89.0 | 14,729 | 86.5 | 373 | 14,356 | 410 | 2.7 | 1.879 |
| 45 to 49 years ....................................... | 9,267 | 8,408 | 90.7 | 8.153 | 88.0 | 209 | 7,944 | 255 | 3.0 | 859 |
| 50 to 54 years ....................................... | 7,752 | 6,732 | 86.8 | 6,576 | 84.8 | 164 | 6.412 | 155 | 2.3 | 1,020 |
| 55 to 64 years ........................................... | 10,846 | 7,377 | 68.0 | 7,166 | 66.1 | 254 | 6,913 | 210 | 2.9 | 3,469 |
| 55 to 59 years ......................................... | 6,015 | 4,674 | 77.7 | 4,543 | 75.5 | 144 | 4,399 | 131 | 2.8 | 1,341 |
| 60 to 64 years ......................................... | 4,831 | 2,702 | 55.9 | 2,623 | 54.3 | 110 | 2.514 | 79 | 2.9 | 2.128 |
| 65 years and over ...................................... | 13,653 | 2,314 | 17.0 | 2,243 | 16.4 | 204 | 2.039 | 71 | 3.1 | 11,339 |
| 65 to 69 years ......................................... | 4,285 | 1,239 | 28.9 | 1,203 | 28.1 | 84 | 1.119 | 36 | 2.9 | 3,045 |
| 70 to 74 years ......................................... | 3,746 | 601 | 16.1 | 584 | 15.6 | 59 | 524 | 18 | 2.9 | 3,145 |
| 75 years and over ..................................... | 5,623 | 474 | 8.4 | 456 | 8.1 | 61 | 395 | 17 | 3.7 | 5.149 |
| Women |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ........................................ | 106,960 | 64,242 | 60.1 | 61,801 | 57.8 | 752 | 61.049 | 2,440 | 3.8 | 42,719 |
| 16 to 19 years ........................................... | 7.779 | 3,904 | 50.2 | 3,529 | 45.4 | 35 | 3.493 | 375 | 9.6 | 3,875 |
| 16 to 17 years ........................................ | 3,856 | 1.576 | 40.9 | 1,399 | 36.3 | 18 | 1,381 | 177 | 11.2 | 2.280 |
| 18 to 19 years ......................................... | 3,923 | 2.328 | 59.3 | 2,130 | 54.3 | 18 | 2.112 | 198 | 8.5 | 1,595 |
| 20 to 24 years .......................................... | 8,798 | 6,320 | 71.8 | 5,964 | 67.8 | 45 | 5,919 | 356 | 5.6 | 2,478 |
| 25 to 54 years .......................................... | 59,957 | 46,204 | 77.1 | 44,687 | 74.5 | 512 | 44.175 | 1.517 | 3.3 | 13,753 |
| 25 to 34 years ......................................... | 19,570 | 14,981 | 76.5 | 14,388 | 73.5 | 154 | 14,234 | 593 | 4.0 | 4,590 |
| 25 to 29 years ........................................ | 9,455 | 7,340 | 77.6 | 7,034 | 74.4 | 69 | 6.965 | 306 | 4.2 | 2,115 |
| 30 to 34 years ....................................... | 10,116 | 7,641 | 75.5 | 7,354 | 72.7 | 86 | 7,268 | 287 | 3.8 | 2,475 |
| 35 to 44 years ......................................... | 22,476 | 17,380 | 77.3 | 16,796 | 74.7 | 172 | 16,624 | 585 | 3.4 | 5,096 |
| 35 to 39 years ........................................ | 11,325 | 8,651 | 76.4 | 8,328 | 73.5 | 75 | 8,253 | 323 | 3.7 | 2,674 |
| 40 to 44 years ....................................... | 11,152 | 8.730 | 78.3 | 8,468 | 75.9 | 97 | 8,371 | 262 | 3.0 | 2,422 |
| 45 to 54 years ......................................... | 17,910 | 13,843 | 77.3 | 13,503 | 75.4 | 185 | 13,318 | 340 | 2.5 | 4,067 |
| 45 to 49 years ...................................... | 9,735 | 7,776 | 79.9 | 7,567 | 77.7 | 110 | 7,456 | 209 | 2.7 | 1,959 |
| 50 to 54 years ........................................ | 8,175 | 6,067 | 74.2 | 5,936 | 72.6 | 75 | 5,861 | 130 | 2.1 | 2,109 |
| 55 to 64 years ......................................... | 11,804 | 6,131 | 51.9 | 6.010 | 50.9 | 109 | 5,901 | 120 | 2.0 | 5.674 |
| 55 to 59 years ......................................... | 6,481 | 4,049 | 62.5 | 3,970 | 61.3 | 65 | 3,905 | 79 | 1.9 | 2,432 |
| 60 to 64 years ........................................ | 5,324 | 2,082 | 39.1 | 2,040 | 38.3 | 44 | 1,996 | 42 | 2.0 | 3,242 |
| 65 years and over ...................................... | 18,622 | 1,683 | 9.0 | 1,612 | 8.7 | 51 | 1.561 | 71 | 4.2 | 16,939 |
| 65 to 69 years ......................................... | 5,058 | 927 | 18.3 | 893 | 17.7 | 25 | 868 | 34 | 3.7 | 4,131 |
| 70 to 74 years ......................................... | 4.776 | 488 | 10.2 | 470 | 9.8 | 13 | 457 | 18 | 3.7 | 4,287 |
| 75 years and over .................................... | 8,788 | 268 | 3.0 | 249 | 2.8 | 13 | 236 | 18 | 6.9 | 8,521 |

See footnotes at end of table.

A-14. Employment status of the civilian noninstitutional population by age, sex, and race - Continued
(Numbers in thousands)

| Age, sex, and race | December 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | TotalPercent <br> of <br> population |  | Civilian labor force |  |  |  |  |  |  |
|  |  |  |  | Employed |  |  |  | Unemployed |  | $\begin{aligned} & \text { Not } \\ & \text { in } \\ & \text { labor } \\ & \text { force } \end{aligned}$ |
|  |  |  |  | Total | Percent of population | Agriculture | Nonagricultural industries | Number |  |  |
| WHTTE |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ..................................... | 172,197 | 115,796 | 67.2 | 111,647 | 64.8 | 2,784 | 108,863 | 4,149 | 3.6 | 56,401 |
| 16 to 19 years ............................................ | 12,568 | 6,705 | 53.4 | 5,962 | 47.4 | 156 | 5,807 | 743 | 11.1 | 5,863 |
| 16 to 17 years ........................................ | 6,260 | 2.737 | 43.7 | 2,378 | 38.0 | 81 | 2,297 | 360 | 13.1 | 3.523 |
| 18 to 19 years .... | 6,308 | 3,968 | 62.9 | 3.585 | 56.8 | 75 | 3,510 | 383 | 9.7 | 2,340 |
| 20 to 24 years ......................................... | 14,243 | 11.121 | 78.1 | 10.526 | 73.9 | 239 | 10,287 | 594 | 5.3 | 3.122 |
| 25 to 54 years .......................................... | 97,148 | 82,610 | 85.0 | 80,181 | 82.5 | 1,801 | 78,380 | 2,429 | 2.9 | 14,538 |
| 25 to 34 years ...................................... | 30,917 | 26,417 | 85.4 | 25.512 | 82.5 | 594 | 24.918 | 905 | 3.4 | 4,500 |
| 25 to 29 years ..................................... | 14,851 | 12,762 | 85.9 | 12,288 | 82.7 | 293 | 11,994 | 475 | 3.7 | 2,088 |
| 30 to 34 years ...................................... | 16,066 | 13,654 | 85.0 | 13,224 | 82.3 | 300 | 12,924 | 430 | 3.1 | 2.412 |
| 35 to 44 years ........................................ | 36,720 | 31,438 | 85.8 | 30,539 | 83.2 | 681 | 29,857 | 899 | 2.9 | 5,283 |
| 35 to 39 years | 18,477 | 15,775 | 85.4 | 15,310 | 82.9 | 370 | 14,940 | 465 | 2.9 | 2,701 |
| 40 to 44 years ....................................... | 18,244 | 15.663 | 85.9 | 15.229 | 83.5 | 311 | 14,917 | 434 | 2.8 | 2,581 |
| 45 to 54 years ....................................... | 29,511 | 24,755 | 83.9 | 24,131 | 81.8 | 526 | 23,604 | 625 | 2.5 | 4,755 |
| 45 to 49 years | 15,938 | 13,723 | 86.1 | 13,349 | 83.8 | 306 | 13,043 | 374 | 2.7 | 2.215 |
| 50 to 54 years ...................................... | 13.573 | 11.033 | 81.3 | 10.782 | 79.4 | 221 | 10.561 | 251 | 2.3 | 2.540 |
| 55 to 64 years | 19,568 | 11,815 | 60.4 | 11.547 | 59.0 | 347 | 11,200 | 268 | 2.3 | 7.753 |
| 55 to 59 years | 10.765 | 7.618 | 70.8 | 7.447 | 69.2 | 198 | 7.249 | 171 | 2.2 | 3.147 |
| 60 to 64 years | 8,803 | 4,197 | 47.7 | 4,100 | 46.6 | 149 | 3,951 | 97 | 2.3 | 4,606 |
| 65 years and over | 28,670 | 3,545 | 12.4 | 3.430 | 12.0 | 241 | 3.189 | 115 | 3.2 | 25,125 |
| 65 to 69 years. | 8.082 | 1,908 | 23.6 | 1,846 | 22.8 | 105 | 1,740 | 62 | 3.3 | 6,174 |
| 70 to 74 years ...................................... | 7.553 | 971 | 12.9 | 948 | 12.5 | 64 | 884 | 23 | 2.4 | 6.582 |
| 75 years and over .................................. | 13,035 | 666 | 5.1 | 637 | 4.9 | 72 | 565 | 29 | 4.4 | 12,369 |
| Men |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 83,748 | 63,116 | 75.4 | 60.722 | 72.5 | 2,073 | 58,650 | 2,394 | 3.8 | 20.632 |
| 16 to 19 years ......................................... | 6.448 | 3.454 | 53.6 | 2,998 | 46.5 | 120 | 2.877 | 457 | 13.2 | 2,993 |
| 16 to 17 years ....................................... | 3.230 | 1,395 | 43.2 | 8.171 | 36.3 | 63 | 1,108 | 224 | 16.0 | 1,835 |
| 181019 years .......................................... | 3,218 | 2,060 | 64.0 | 1,827 | 56.8 | 57 | 1.769 | 233 | 11.3 | 1,158 |
| 20 to 24 years ........................................ | 7,227 | 6.031 | 83.5 | 5.657 | 78.3 | 201 | 5,456 | 375 | 6.2 | 1,196 |
| 25 to 54 years | 48,431 | 45,033 | 93.0 | 43,702 | 90.2 | 1,317 | 42,385 | 1,332 | 3.0 | 3,397 |
| 25 to 34 years ....................................... | 15,467 | 14,624 | 94.5 | 14.109 | 91.2 | 450 | 13,659 | 515 | 3.5 | 843 |
| 25 to 29 years | 7,426 | 7,002 | 94.3 | 6.728 | 90.6 | 227 | 6,501 | 274 | 3.9 | 424 |
| 30 to 34 years ....................................... | 8,041 | 7.622 | 94.8 | 7,381 | 91.8 | 223 | 7,158 | 241 | 3.2 | 419 |
| 35 to 44 years ......................................... | 18,373 | 17,249 | 93.9 | 16,784 | 91.4 | 518 | 16,266 | 465 | 2.7 | 1,124 |
| 35 to 39 years | 9,251 | 8.723 | 94.3 | 8,494 | 91.8 | 297 | 8.196 | 230 | 2.6 | 527 |
| 40 to 44 years | 9.122 | 8.526 | 93.5 | 8.291 | 90.9 | 221 | 8,070 | 235 | 2.8 | 596 |
| 45 to 54 years ....................................... | 14,591 | 13.160 | 90.2 | 12,809 | 87.8 | 348 | 12.460 | 352 | 2.7 | 1,431 |
| 45 to 49 years ..................................... | 7,912 | 7,280 | 92.0 | 7.069 | 89.3 | 201 | 6,868 | 210 | 2.9 | 633 |
| 50 to 54 years ...................................... | 6,879 | 5,881 | 88.0 | 5,739 | 85.9 | 147 | 5,592 | 141 | 2.4 | 798 |
| 55 to 64 yөars ........................................... | 9.451 | 6.533 | 69.1 | 6,363 | 67.3 | 245 | 6,118 | 171 | 2.6 | 2,918 |
| 55 to 59 years ...................................... | 5,234 | 4,149 | 79.3 | 4,042 | 77.2 | 139 | 3,903 | 107 | 2.6 | 1,085 |
| 60 to 64 years | 4,217 | 2.384 | 56.5 | 2.321 | 55.0 | 106 | 2,215 | 64 | 2.7 | 1,832 |
| 65 years and over ..................................... | 12,191 | 2.064 | 16.9 | 2.004 | 16.4 | 191 | 1,813 | 60 | 2.9 | 10,127 |
| 65 to 69 years ...................................... | 3,754 | 1,095 | 29.2 | 1,062 | 28.3 | 80 | 982 | 33 | 3.0 | 2.659 |
| 70 to 74 years. | 3,356 | 538 | 16.0 | 525 | 15.6 | 50 | 474 | 13 | 2.5 | 2.818 |
| 75 years and over ..................................... | 5,082 | 431 | 8.5 | 417 | 8.2 | 60 | 357 | 13 | 3.1 | 4,651 |
| Women |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 88,449 | 52,680 | 59.6 | 50,924 | 57.6 | 711 | 50.213 | 1,755 | 3.3 | 35,769 |
| 16 to 19 years ........................................ | 6,120 | 3,251 | 53.1 | 2,965 | 48.4 | 35 | 2.929 | 286 | 8.8 | 2,870 |
| 16 to 17 years | 3,030 | 1,343 | 44.3 | 1,207 | 39.8 | 18 | 1,189 | 136 | 10.1 | 1,688 |
| 18 to 19 years ........................................ | 3.090 | 1,908 | 61.8 | 1.758 | 56.9 | 18 | 1,741 | 150 | 7.9 | 1,182 |
| 20 to 24 years ........................................ | 7.016 | 5.089 | 72.5 | 4.869 | 69.4 | 39 | 4.831 | 220 | 4.3 | 1,926 |
| 25 to 54 years ........................................ | 48,717 | 37,576 | 77.1 | 36,479 | 74.9 | 484 | 35,995 | 1,097 | 2.9 | 11,141 |
| 25 to 34 years ....................................... | 15,450 | 11,793 | 76.3 | 11.403 | 73.8 | 143 | 11,259 | 390 | 3.3 | 3,657 |
| 25 to 29 years | 7,425 | 5,760 | 77.6 | 5.560 | 74.9 | 66 | 5,494 | 201 | 3.5 | 1,664 |
| 30 to 34 years ...................................... | 8.025 | 6.032 | 75.2 | 5.843 | 72.8 | 77 | 5.766 | 189 | 3.1 | 1,993 |
| 35 to 44 years ......................................... | 18,348 | 14,189 | 77.3 | 13.754 | 75.0 | 163 | 13,592 | 435 | 3.1 | 4,159 |
| 35 to 39 years ...................................... | 9,226 | 7.052 | 76.4 | 6.816 | 73.9 | 72 | 6.744 | 235 | 3.3 | 2,174 |
| 40 to 44 years ......................................... | 9,122 | 7.137 | 78.2 | 6.938 | 76.1 | 90 | 6.847 | 199 | 2.8 | 1,985 |
| 45 to 54 years ....................................... | 14,920 | 11.595 | 77.7 | 11.322 | 75.9 | 178 | 11,144 | 273 | 2.4 | 3,325 |
| 45 to 49 years ........................................ | 8,026 | 6,443 | 80.3 | 6.280 | 78.2 | 105 | 6,175 | 163 | 2.5 | 1,583 |
| 50 to 54 years ...................................... | 6,894 | 5.152 | 74.7 | 5,042 | 73.1 | 74 | 4,969 | 110 | 2.1 | 1.742 |
| 55 to 64 years ......................................... | 10,117 | 5,282 | 52.2 | 5,185 | 51.2 | 103 | 5.082 | 97 | 1.8 | 4,835 |
| 55 to 59 years ........................................ | 5.531 | 3.469 | 62.7 | 3.405 | 61.6 | 59 | 3.346 | 64 | 1.8 | 2.062 |
| 60 to 64 years ........................................ | 4,586 | 1,813 | 39.5 | 1,779 | 38.8 | 44 | 1,736 | 33 | 1.8 | 2,773 |
| 65 years and over ...................................... | 16.479 | 1.482 | 9.0 | 1.426 | 8.7 | 50 | 1,376 | 55 | 3.7 | 14,998 |
| 65 to 69 years .......................................... | 4,328 | 813 | 18.8 | 784 | 18.1 | 25 | 759 | 29 | 3.6 | 3.515 |
| 70 to 74 years ........................................ | 4,197 | 433 | 10.3 | 423 | 10.1 | 13 | 410 | 10 | 2.2 | 3.765 |
| 75 years and over ................................... | 7,954 | 235 | 3.0 | 219 | 2.8 | 12 | 208 | 16 | 6.9 | 7.718 |

See footnotes at end of table.

A-14. Employment status of the civilian noninstitutional population by age, sex, and race - Continued
(Numbers in thousands)


T Data not shown where base is less than 75,000 .
NOTE: Beginning in January 1998, data refiect new composite estimation procedures

A-15. Employment status of the civilian noninstitutional population by race, sex, and age
(Numbers in thousands)

| Employment status and race | Total |  | Men, 20 years and over |  | Women, 20 years and over |  | Both sexes, 16 to 19 years |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. <br> 1997 | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | Dec. <br> 1997 | D日c. <br> 1998 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| TOTAL |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ..................... | 204,098 | 206,270 | 90,339 | 91,220 | 98,300 | 99,181 | 15,459 | 15,868 |
| Civilian labor force ........................................ | 136,742 | 138,297 | 69,350 | 69,949 | 59,834 | 60,337 | 7,558 | 8,011 |
| Percent of population ....................................... | 67.0 | 67.0 | 76.8 | 76.7 | 60.9 | 60.8 | 48.9 | 50.5 |
| Employed .................................................. | 130,785 | 132,732 | 66,524 | 67,439 | 57,647 | 58,273 | 6,614 | 7,020 |
| Agriculture ............................................... | 3,103 | 2,953 | 2,151 | 2,076 | 788 | 717 | 164 | 161 |
| Nonagricultural industries | 127,682 | 129,779 | 64,373 | 65,363 | 56,859 | 57,556 | 6,450 | 6,860 |
| Unemployed ................. | 5,957 | 5,565 | 2,826 | 2.510 | 2,187 | 2,065 | 944 | 990 |
| Unemployment rate | 4.4 | 4.0 | 4.1 | 3.6 | 3.7 | 3.4 | 12.5 | 12.4 |
| Not in labor force ......... | 67,356 | 67,973 | 20,989 | 21,272 | 38,466 | 38,844 | 7,901 | 7.858 |
| White |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ..................... | 170,649 | 172,197 | 76,650 | 77,300 | 81,744 | 82,329 | 12,255 | 12,568 |
| Civilian labor force | 114,867 | 115,796 | 59,253 | 59,662 | 49,233 | 49,429 | 6,380 | 6,705 |
| Percent of population .................................. | 67.3 | 67.2 | 77.3 | 77.2 | 60.2 | 60.0 | 52.1 | 53.4 |
| Employed .................................................. | 110,662 | 111,647 | 57,162 | 57,725 | 47,726 | 47,960 | 5,773 | 5,962 |
| Agriculture | 2,945 | 2,784 | 2,032 | 1,953 | 754 | 676 | 159 | 156 |
| Nonagricultural industries | 107,717 | 108,863 | 55,131 | 55,772 | 46,973 | 47,284 | 5,614 | 5,807 |
| Unemployed .............................................. | 4,205 | 4,149 | 2,091 | 1,937 | 1,507 | 1,469 | 607 | 743 |
| Unemployment rate ................................... | 3.7 | 3.6 | 3.5 | 3.2 | 3.1 | 3.0 | 9.5 | 11.1 |
| Not in labor force .......................................... | 55,782 | 56,401 | 17,397 | 17,638 | 32,510 | 32,900 | 5,875 | 5,863 |
| Black |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ..................... | 24,180 | 24,561 | 9,659 | 9,808 | 12,106 | 12,291 | 2,415 | 2,462 |
| Civilian labor force ........................................ | 15,685 | 16,136 | 6,945 | 7,047 | 7,840 | 8,089 | 900 | 999 |
| Percent of population ................................. | 64.9 | 65.7 | 71.9 | 71.9 | 64.8 | 65.8 | 37.3 | 40.6 |
| Employed .................................................. | 14,248 | 14,993 | 6,374 | 6,592 | 7,273 | 7,600 | 601 | 801 |
| Agriculture .............................................. | 91 | 117 | 66 | 85 | 21 | 29 | 4 | 4 |
| Nonagricultural industries ........................... | 14,157 | 14,876 | 6,308 | 6,507 | 7,252 | 7,571 | 597 | 798 |
| Unemployed ............................................. | 1,437 | 1,143 | 571 | 455 | 567 | 490 | 299 | 198 |
| Unemployment rate ................................... | 9.2 | 7.1 | 8.2 | 6.5 | 7.2 | 6.1 | 33.3 | 19.8 |
| Not in labor force ......................................... | 8,495 | 8,425 | 2,714 | 2,761 | 4,266 | 4,201 | 1,515 | 1,462 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

A-16. Employment status of the civilian noninstitutional population $\mathbf{1 6}$ to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin
(Numbers in thousands)

| Enrollment status, educational attainment, race, and Hispanic origin | December 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | Civilian labor force |  |  |  |  |  |  |  |  |
|  |  | Total | Percent of population | Employed |  |  | Unemployed |  |  |  |
|  |  |  |  | Total | Full time | Part time | Total | Looking for full-time work |  | $\begin{array}{\|c} \text { Percent } \\ \text { of } \\ \text { labor } \\ \text { force } \\ \hline \end{array}$ |
| TOTAL ENROLLED |  |  |  |  |  |  |  |  |  |  |
| Total, 16 to 24 years. | 18,438 | 9,198 | 49.9 | 8,456 | 1,655 | 6,800 | 742 | 137 | 605 | 8.1 |
| 16 to 19 years ............................................................ | 12,474 | 5,530 | 44.3 | 4,929 | 477 | 4,453 | 600 | 78 | 522 | 10.9 |
| 20 to 24 years ............................................................. | 5,964 | 3,668 | 61.5 | 3.526 | 1,178 | 2,348 | 142 | 59 | 83 | 3.9 |
| High school .... | 9,249 | 3,828 | 41.4 | 3,322 | 253 | 3,069 | 506 | 52 | 454 | 13.2 |
| Coilege | 9.189 | 5,370 | 58.4 | 5,133 | 1.402 | 3,731 | 237 | 85 | 151 | 4.4 |
| Full-time students ..... | 7,900 | 4,270 | 54.1 | 4,098 | 771 | 3,327 | 172 | 48 | 124 | 4.0 |
| Par-time students ..................................................... | 1.289 | 1,100 | 85.3 | 1,036 | 632 | 404 | 65 | 37 | 28 | 5.9 |
| Men, 16 to 24 years ....................................................... | 9.204 | 4,430 | 48.1 | 3,984 | 878 | 3,107 | 446 | 53 | 392 | 10.1 |
| 16 to 19 years .......................................................... | 6,262 | 2,647 | 42.3 | 2,275 | 237 | 2,038 | 372 | 36 | 336 | 14.0 |
| 20 to 24 years .......................................................... | 2,942 | 1,784 | 60.6 | 1,709 | 647 | 1.069 | 74 | 18 | 56 | 4.2 |
| High school .............................................................. | 4,901 | 1,969 | 40.2 | 1,644 | 133 | 1.511 | 324 | 25 | 299 | 16.5 |
| College . | 4,303 | 2,461 | 57.2 | 2,340 | 745 | 1,595 | 121 | 28 | 93 | 4.9 |
| Fulltime students .................................................... | 3,696 | 1,921 | 52.0 | 1.829 | 415 | 1.414 | 92 | 18 | 74 | 4.8 |
| Part-time students .................................................... | 607 | 541 | 89.1 | 511 | 330 | 181 | 30 | 10 | 19 | 5.5 |
| Women, 16 to 24 years | 9.234 | 4,768 | 51.6 | 4,471 | 777 | 3,694 | 296 | 84 | 213 | 6.2 |
| 16 to 19 years | 6,211 | 2,883 | 46.4 | 2,654 | 240 | 2,415 | 228 | 43 | 186 | 7.9 |
| 20 to 24 years ............ | 3,022 | 1,885 | 62.4 | 1.817 | 538 | 1,279 | 68 | 41 | 27 | 3.6 |
| High school ............................................................. | 4,347 | 1,859 | 42.8 | 1.678 | 120 | 1,558 | 181 | 26 | 155 | 9.7 |
| College | 4,886 | 2,909 | 59.5 | 2,793 | 658 | 2,136 | 115 | 57 | 58 | 4.0 |
| Full-time students ................................................... | 4,204 | 2,349 | 55.9 | 2,269 | 356 | 1,913 | 80 | 31 | 50 | 3.4 |
| Part-time students ................................................... | 682 | 560 | 82.0 | 525 | 302 | 223 | 35 | 27 | 8 | 6.3 |
| White |  |  |  |  |  |  |  |  |  |  |
| Total, 16 to 24 years. | 14,658 | 7.709 | 52.6 | 7,134 | 1.333 | 5.801 | 575 | 98 | 477 | 7.5 |
| 16 to 19 years ......... | 9,862 | 4,660 | 47.3 | 4,192 | 373 | 3,819 | 468 | 52 | 416 | 10.0 |
| 20 to 24 years ............................................................ | 4,795 | 3.049 | 63.6 | 2.942 | 960 | 1,982 | 108 | 47 | 61 | 3.5 |
| Men ................................................................... | 7,344 | 3.724 | 50.7 | 3,382 | 716 | 2,666 | 342 | 34 | 308 | 9.2 |
| Women ....................................................................... | 7,313 | 3,986 | 54.5 | 3,752 | 617 | 3,135 | 233 | 65 | 168 | 5.8 |
| High school ....................................................................... | 7,253 | 3,231 | 44.6 | 2,837 | 204 | 2.633 | 395 | 38 | 356 | 12.2 |
| College .............. | 7,405 | 4,478 | 60.5 | 4,298 | 1,129 | 3.169 | 181 | 60 | 120 | 4.0 |
| Full-time students | 6,378 | 3,595 | 56.4 | 3,464 | 626 | 2,838 | 131 | 36 | 95 | 3.6 |
| Par-time students ............................................... | 1,027 | 883 | 86.0 | 833 | 503 | 331 | 50 | 24 | 25 | 5.6 |
| Black |  |  |  |  |  |  |  |  |  |  |
| Total, 16 to 24 years. | 2,678 | 1,064 | 39.7 | 928 | 237 | 692 | 136 | 36 | 100 | 12.8 |
| 16 to 19 years ......... | 1,898 | 657 | 34.6 | 545 | 83 | 462 | 112 | 26 | 86 | 17.1 |
| 20 to 24 years ......... | 780 | 408 | 52.3 | 384 | 154 | 230 | 24 | 10 | 14 | 5.9 |
| Men | 1,284 | 480 | 37.4 | 397 | 113 | 285 | 82 | 17 | 65 | 17.1 |
| Women ...................................................................... | 1,394 | 585 | 41.9 | 531 | 124 | 407 | 54 | 19 | 35 | 9.2 |
| High school ............................................................... | 1,492 | 459 | 30.8 | 366 | 38 | 329 | 92 | 14 | 79 | 20.1 |
| College ................................................................. | 1,186 | 606 | 51.9 | 562 | 199 | 363 | 44 | 22 | 21 | 7.2 |
| Fulilime students ....................................................... | 1.038 | 480 | 46.3 | 449 | 116 | 332 | 31 | 10 | 21 | 6.5 |
| Par-time students .................................................... | 149 | 126 | 84.5 | 113 | 82 | 31 | 13 | 13 | - | 10.0 |
| Hispanic origin |  |  |  |  |  |  |  |  |  |  |
| Total, 16 to 24 years ...................................................... | 2,138 | 862 | 40.3 | 727 | 174 | 553 | 134 | 28 | 106 | 15.6 |
| 16 to 19 years ................................................................ | 1,492 | 476 | 31.9 | 367 | 38 | 329 | 109 | 20 | 89 | 22.9 |
| 20 to 24 years ........................................................... | 646 | 385 | 59.7 | 360 | 136 | 224 | 25 | 8 | 17 | 6.5 |
| Men ....................................................................... | 1,075 | 393 | 36.5 | 333 | 87 | 246 | 59 | 12 | 48 | 15.1 |
| Women .................................................................... | 1,062 | 469 | 44.2 | 394 | 87 | 307 | 75 | 16 | 58 | 16.0 |
| High school ................................................................. | 1.281 | 362 | 28.3 | 276 | 39 | 238 | 86 | 14 | 72 | 23.7 |
| College .................................................................. | 857 | 499 | 58.3 | 451 | 135 | 316 | 48 | 14 | 34 | 9.7 |
| Full-time students .................................................. | 634 | 314 | 49.4 | 288 | 49 | 239 | 25 | 6 | 19 | 8.0 |
| Par-time students .................................................... | 222 | 186 | 83.7 | 163 | 86 | 76 | 23 | 8 | 15 | 12.5 |

[^5]A-16. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin - Continued
(Numbers in thousands)


1 Data not shown where base is less than 75,000 .
NOTE: in the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and college students into that group. 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. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## household data

## NOT SEASONALLY ADJUSTED

A-17. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, sex, race, and Hispanic origin
(Numbers in thousands)

| Educational attainment | Total |  | Men |  | Women |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { De. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| total |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 171,104 | 172,714 | 81,569 | 82,331 | 89,535 | 90,383 | 144,345 | 145,386 | 19,232 | 19,529 | 15.830 | 16.369 |
| Civilian labor force ...................... | 115,679 | 116,772 | 62,247 | 62,755 | 53,432 | 54,017 | 97,436 | 97,970 | 12,948 | 13,350 | 11,073 | 11,408 |
| Percent of population ................ | 67.6 | 67.6 | 76.3 | 76.2 | 59.7 | 59.8 | 67.5 | 67.4 | 67.3 | 68.4 | 69.9 | 69.7 |
| Employed ............................... | 111,710 | 113,078 | 60,060 | 60,769 | 51,650 | 52,309 | 94,549 | 95,158 | 12,084 | 12,654 | 10,432 | 10,695 |
| Employment-population ratio ...... | 65.3 | 65.5 | 73.6 | 73.8 | 57.7 | 57.9 | 65.5 | 65.5 | 62.8 | 64.8 | 65.9 | 65.3 |
| Unemployed ............................ | 3,969 | 3,694 | 2,187 | 1,986 | 1,782 | 1,708 | 2,888 | 2,812 | 864 | 697 | 640 | 713 |
| Unemployment rate ................. | 3.4 | 3.2 | 3.5 | 3.2 | 3.3 | 3.2 | 3.0 | 2.9 | 6.7 | 5.2 | 5.8 | 6.2 |
| Less than a high school dipioma |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 29,566 | 29,094 | 14,039 | 13,670 | 15.527 | 15,424 | 23,655 | 23.418 | 4,570 | 4,454 | 6,949 | 7.177 |
| Civilian labor force ...................... | 12,560 | 12,509 | 7,700 | 7,451 | 4,861 | 5,058 | 10,130 | 10,105 | 1,832 | 1,813 | 4,079 | 4.185 |
| Percent of population... | 42.5 | 43.0 | 54.8 | 54.5 | 31.3 | 32.8 | 42.8 | 43.1 | 40.1 | 40.7 | 58.7 | 58.3 |
| Employed ......... | 11,599 | 11,609 | 7,128 | 6,949 | 4,471 | 4,660 | 9,435 | 9,423 | 1,607 | 1,635 | 3,752 | 3,822 |
| Employment-population ratio ...... | 39.2 | 39.9 | 50.8 | 50.8 | 28.8 | 30.2 | 39.9 | 40.2 | 35.2 | 36.7 | 54.0 | 53.3 |
| Unemployed ........................... | 962 | 900 | 572 | 501 | 390 | 398 | 695 | 681 | 226 | 178 | 327 | 364 |
| Unemployment rate .................. | 7.7 | 7.2 | 7.4 | 6.7 | 8.0 | 7.9 | 6.9 | 6.7 | 12.3 | 9.8 | 8.0 | 8.7 |
| High school graduates, no college |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 57,631 | 57,115 | 26,108 | 26,073 | 31,523 | 31,042 | 48,791 | 48,292 | 6,956 | 6,892 | 4,359 | 4,472 |
| Civilian labor force .. | 37,940 | 37,442 | 20,025 | 19,932 | 17,916 | 17,510 | 31,771 | 31,349 | 4,875 | 4,844 | 3,285 | 3,383 |
| Percent of population. | 65.8 | 65.6 | 76.7 | 76.4 | 56.8 | 56.4 | 65.1 | 64.9 | 70.1 | 70.3 | 75.4 | 75.7 |
| Employed. | 36,444 | 36,066 | 19,198 | 19,188 | 17.246 | 16,878 | 30,704 | 30,340 | 4,521 | 4,557 | 3,079 | 3,195 |
| Employment-population ratio ...... | 63.2 | 63.1 | 73.5 | 73.6 | 54.7 | 54.4 | 62.9 | 62.8 | 65.0 | 66.1 | 70.6 | 71.4 |
| Unemployed ........................... | 1,497 | 1,376 | 827 | 744 | 670 | 632 | 1,067 | 1,009 | 354 | 286 | 205 | 189 |
| Unemployment rate ................. | 3.9 | 3.7 | 4.1 | 3.7 | 3.7 | 3.6 | 3.4 | 3.2 | 7.3 | 5.9 | 6.3 | 5.6 |
| Less than a bachelor's degree ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 42.085 | 43.022 | 19,592 | 19,908 | 22,493 | 23,114 | 35,719 | 36,269 | 4,851 | 5,133 | 2,803 | 2.919 |
| Civilian labor torce | 31,440 | 31,933 | 15,939 | 16,087 | 15,501 | 15,846 | 26,483 | 26,625 | 3,811 | 4,106 | 2,277 | 2,347 |
| Percent of population ................. | 74.7 | 74.2 | 81.4 | 80.8 | 68.9 | 68.6 | 74.1 | 73.4 | 78.6 | 80.0 | 81.2 | 80.4 |
| Employed ........... | 30,464 | 31,080 | 15,469 | 15,648 | 14,995 | 15,432 | 25,794 | 25,986 | 3,583 | 3,925 | 2,200 | 2,235 |
| Employment-population ratio ...... | 72.4 | 72.2 | 79.0 | 78.6 | 66.7 | 66.8 | 72.2 | 71.6 | 73.9 | 76.5 | 78.5 | 76.6 |
| Unemployed ........................... | 976 | 853 | 469 | 439 | 506 | 414 | 689 | 639 | 228 | 181 | 77 | 112 |
| Unemployment rate .............. | 3.1 | 2.7 | 2.9 | 2.7 | 3.3 | 2.6 | 2.6 | 2.4 | 6.0 | 4.4 | 3.4 | 4.8 |
| Some college, no degree |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 29,512 | 29,850 | 14,052 | 14,098 | 15,459 | 15,751 | 24,891 | 25,030 | 3,589 | 3,750 | 2,005 | 2,136 |
| Civilian labor force | 21,365 | 21,459 | 11,186 | 11,141 | 10,179 | 10,318 | 17,870 | 17,716 | 2,744 | 2,951 | 1,608 | 1.699 |
| Percent of population ................ | 72.4 | 71.9 | 79.6 | 79.0 | 65.8 | 65.5 | 71.8 | 70.8 | 76.5 | 78.7 | 80.2 | 79.5 |
| Employed ................................ | 20,645 | 20,860 | 10,836 | 10,840 | 9.809 | 10,021 | 17,379 | 17,274 | 2,561 | 2,816 | 1,556 | . 622 |
| Employment-popuiation ratio ...... | 70.0 | 69.9 | 77.1 | 76.9 | 63.4 | 63.6 | 69.8 | 69.0 | 71.4 | 75.1 | 77.6 | 75.9 |
| Unempioyed | 720 | 599 | 350 | 302 | 370 | 297 | 491 | 442 | 183 | 135 | 52 | 77 |
| Unemployment rate | 3.4 | 2.8 | 3.1 | 2.7 | 3.6 | 2.9 | 2.7 | 2.5 | 6.7 | 4.6 | 3.3 | 4.5 |
| Associate degree |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 12,573 | 13,173 | 5,539 | 5,810 | 7,034 | 7,363 | 10,828 | 11,239 | 1,263 | 1,384 | 798 | 783 |
| Civilian labor force | 10,075 | 10,473 | 4,753 | 4,945 | 5,322 | 5,528 | 8,614 | 8,909 | 1,067 | 1,155 | 668 | 649 |
| Percent of population. | 80.1 | 79.5 | 85.8 | 85.1 | 75.7 | 75.1 | 79.5 | 79.3 | 84.5 | 83.5 | 83.8 | 82.8 |
| Employed... | 9,819 | 10,220 | 4,634 | 4.808 | 5.186 | 5,411 | 8,415 | 8,712 | 1,022 | 1.110 | 644 | 613 |
| Employment-population ratio ...... | 78.1 | 77.6 | 83.7 | 82.8 | 73.7 | 73.5 | 77.7 | 77.5 | 80.9 | 80.2 | 80.7 | 78.3 |
| Unemployed | 255 | 253 | 119 | 137 | 136 | 116 | 198 | 197 | 45 | 46 | 24 | 36 |
| Unemployment rate .................. | 2.5 | 2.4 | 2.5 | 2.8 | 2.6 | 2.1 | 2.3 | 2.2 | 4.2 | 4.0 | 3.6 | 5.5 |
| College graduates |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 41,822 | 43,484 | 21,830 | 22,681 | 19,992 | 20,803 | 36,180 | 37,407 | 2,856 | 3,050 | 1,719 | 1,801 |
| Civilian labor force ...................... | 33,739 | 34,889 | 18,584 | 19,285 | 15,155 | 15,603 | 29,052 | 29,892 | 2,430 | 2,588 | 1,432 | 1,492 |
| Percent of population ............... | 80.7 | 80.2 | 85.1 | 85.0 | 75.8 | 75.0 | 80.3 | 79.9 | 85.1 | 84.9 | 83.3 | 82.8 |
| Employed .......................... | 33,204 | 34,323 | 18,265 | 18.984 | 14,939 | 15,339 | 28,616 | 29,410 | 2,374 | 2,537 | 1,401 | 1,444 |
| Employment-population ratio ...... | 79.4 | 78.9 | 83.7 | 83.7 | 74.7 | 73.7 | 79.1 | 78.6 | 83.1 | 83.2 | 81.5 | 80.2 |
| Unemployed ............................. | 535 | 566 | 319 | 302 | 217 | 264 | 436 | 482 | 56 | 51 | 32 | 48 |
| Unemployment rate ................ | 1.6 | 1.6 | 1.7 | 1.6 | 1.4 | 1.7 | 1.5 | 1.6 | 2.3 | 2.0 | 2.2 | 3.2 |

1 Includes the categories, some college, no degree; and associate degree.
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. Beginning in January 1998 , data reflect new composite estimation procedures and revised population controls used in the household survey.

A-18. Employed and unemployed full- and part-time workers by age, sex, and race
(In thousands)


## HOUSEHOLD DATA

NOT SEASONALLY ADJUSTED
A-19. Employed persons by occupation, sex, and age
(In thousands)

| Occupation | Total <br> 16 years and over |  | Men |  |  |  | Women |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 16 years and over |  | 20 years and over |  | 16 years and over |  | 20 years and over |  |
|  | Dec. $1997$ | Dec. $1998$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | Dec. <br> 1998 | Dec. 1997 | Dec. <br> 1998 | Dec. $1997$ | Dec. $1998$ |
| Total | 130,785 | 132,732 | 69,849 | 70,930 | 66,524 | 67,439 | 60,936 | 61,801 | 57,647 | 58,273 |
| Managerial and professional specialty | 38,416 | 40,007 | 19,582 | 20,266 | 19,473 | 20,156 | 18,834 | 19,741 | 18,688 | 19,557 |
| Executive, administrative, and managerial | 18,663 | 19,415 | 10,348 | 10,729 | 10,300 | 10,686 | 8,315 | 8,686 | 8,280 | 8,642 |
| Officials and administrators, public administration | 729 | 840 | 417 | 463 | 416 | 463 | 311 | 377 | 311 | 373 |
| Other executive, administrative, and managerial | 13,272 | 13,707 | 7,944 | 8,209 | 7,902 | 8,170 | 5,328 | 5,498 | 5,297 | 5,461 |
| Management-related occupations ................. | 4,662 | 4.868 | 1,986 | 2,057 | 1,982 | 2,053 | 2,676 | 2,811 | 2,671 | 2,808 |
| Protessional specialty .. | 19,753 | 20,592 | 9,234 | 9,537 | 9,173 | 9,471 | 10,519 | 11,055 | 10,408 | 10,914 |
| Engineers .......... | 2,032 | 2,121 | 1,851 | 1,888 | 1,852 | 1,886 | 181 | 233 | 181 | 233 |
| Mathematical and computer scientists | 1,575 | 1,743 | 1,118 | 1,189 | 1.115 | 1,181 | 457 | 554 | 451 | 554 |
| Natural scientists | 498 | 603 | 331 | 430 | 331 | 430 | 167 | 174 | 167 | 174 |
| Health diagnosing occupations | 1,063 | 1,100 | 817 | 839 | 817 | 839 | 246 | 261 | 246 | 258 |
| Health assessment and treating occupations | 2,963 | 2,997 | 405 | 415 | 405 | 415 | 2,558 | 2,582 | 2,555 | 2,579 |
| Teachers, college and university ....... | 927 | 1,033 | 528 | 544 | 521 | 540 | 398 | 489 | 398 | 481 |
| Teachers, except college and university | 5,010 | 5,188 | 1,252 | 1,378 | 1,234 | 1,362 | 3,759 | 3,810 | 3,710 | 3.765 |
| Lawyers and judges. | 985 | 925 | 712 | 647 | 712 | 647 | 273 | 278 | 273 | 278 |
| Other professional specialty occupations | 4,701 | 4,881 | 2,221 | 2,208 | 2,187 | 2,171 | 2.480 | 2,674 | 2,427 | 2,592 |
| Technical, sales, and administrative support | 38,791 | 38,517 | 13,899 | 13,794 | 13,077 | 12,889 | 24,892 | 24,723 | 23,143 | 22.779 |
| Technicians and related support | 4,212 | 4,137 | 2,028 | 1,869 | 1,999 | 1,827 | 2,183 | 2,269 | 2,152 | 2,239 |
| Health technologists and technicians | 1,647 | 1,691 | 293 | 316 | 291 | 304 | 1,354 | 1,375 | 1,342 | 1,348 |
| Engineering and science technicians | 1,302 | 1,102 | 1,016 | 805 | 999 | 783 | 286 | 297 | 274 | 295 |
| Technicians, except health, engineering, and science | 1,262 | 1,345 | 719 | 748 | 709 | 739 | 543 | 597 | 536 | 596 |
| Sales occupations ................................................. | 16,077 | 16,189 | 7,936 | 7,981 | 7,366 | 7,375 | 8,141 | 8,208 | 6,946 | 6,907 |
| Supervisors and proprietors | 4,584 | 4,803 | 2,794 | 2,911 | 2,776 | 2,883 | 1,790 | 1,892 | 1.750 | 1,858 |
| Sales representatives, finance and business services | 2,692 | 2,733 | 1,462 | 1,563 | 1,451 | 1,532 | 1,230 | 1,170 | 1.207 | 1,138 |
| Sales representatives, commodities, except retail | 1,618 | 1,543 | 1,201 | 1,169 | 1,195 | 1,159 | 417 | 374 | 411 | 359 |
| Sales workers, retail and personal services | 7,066 | 7,031 | 2,446 | 2,313 | 1,911 | 1,776 | 4,620 | 4,718 | 3,505 | 3,498 |
| Sates-related occupations | 117 | 79 | 33 | 24 | 33 | 24 | 84 | 54 | 73 | 54 |
| Administrative support, including clerical | 18,503 | 18,190 | 3,935 | 3,944 | 3,712 | 3,688 | 14,568 | 14,246 | 14,044 | 13,633 |
| Supervisors ........................... | 710 | 702 | 291 | 290 | 291 | 289 | 419 | 412 | 414 | 410 |
| Computer equipment operators | 401 | 373 | 146 | 183 | 144 | 181 | 254 | 190 | 249 | 187 |
| Secretaries, stenographers, and typists | 3,638 | 3,452 | 85 | 100 | 73 | 91 | 3,552 | 3,352 | 3,454 | 3,269 |
| Financial records processing | 2.175 | 2,221 | 168 | 203 | 161 | 199 | 2,007 | 2,018 | 1,985 | 1,986 |
| Mail and message distributing .............................................. | 970 | 984 | 605 | 599 | 581 | 589 | 365 | 385 | 354 | 373 |
| Other administrative support, including clerical ......................... | 10,609 | 10,459 | 2.639 | 2,571 | 2,462 | 2,338 | 7,971 | 7.889 | 7,589 | 7.408 |
| Service occupations | 17.738 | 17,873 | 7,093 | 7,094 | 6,140 | 6,129 | 10,645 | 10,779 | 9,498 | 9,658 |
| Private household | 887 | 870 | 64 | 49 | 53 | 44 | 822 | 821 | 732 | 741 |
| Protective service | 2,323 | 2,356 | 1,925 | 1,936 | 1,886 | 1,885 | 398 | 420 | 378 | 400 |
| Service, except private household and protective | 14,528 | 14,647 | 5,103 | 5,109 | 4,201 | 4,200 | 9,424 | 9,538 | 8,388 | 8,517 |
| Food service | 6,148 | 6,140 | 2,619 | 2,699 | 1,909 | 1,983 | 3,529 | 3,441 | 2,820 | 2,769 |
| Health service | 2,531 | 2,447 | 298 | 252 | 285 | 228 | 2,234 | 2,196 | 2,115 | 2,119 |
| Cleaning and building service | 3,037 | 3,006 | 1,676 | 1.635 | 1,540 | 1,509 | 1,360 | 1,372 | 1,300 | 1,301 |
| Personal service .................. | 2,812 | 3,053 | 511 | 524 | 467 | 480 | 2,301 | 2,529 | 2,153 | 2,329 |
| Precision production, craft, and repair | 14,213 | 14,586 | 12,951 | 13,279 | 12,646 | 12,941 | 1,262 | 1,308 | 1,246 | 1,273 |
| Mechanics and repairers ..... | 4,828 | 4,875 | 4,644 | 4,700 | 4,517 | 4,566 | 184 | 175 | 181 | 172 |
| Construction trades .............................................................. | 5,298 | 5,665 | 5,187 | 5,529 | 5,051 | 5,374 | 111 | 136 | 110 | 134 |
| Other precision production, craft, and repair .............................. | 4.087 | 4.047 | 3,120 | 3,050 | 3,078 | 3,001 | 967 | 997 | 955 | 967 |
| Operators, fabricators, and laborers | 18,495 | 18,702 | 13,815 | 14,066 | 12,843 | 13,055 | 4,680 | 4,636 | 4,469 | 4.420 |
| Machine operators, assemblers, and inspectors | 7,897 | 7,787 | 4,820 | 4,899 | 4,643 | 4,735 | 3,077 | 2,889 | 3,002 | 2,823 |
| Transportation and material moving occupations ........................ | 5,496 | 5,633 | 4,969 | 5,028 | 4,855 | 4,901 | 527 | 605 | 515 | 602 |
| Motor vehicle operators | 4,276 | 4,367 | 3,805 | 3,839 | 3,708 | 3,736 | 471 | 528 | 459 | 525 |
| Other transportation and material moving occupations ............... | 1,220 | 1,266 | 1,164 | 1,189 | 1,147 | 1,165 | 56 | 77 | 56 | 77 |
| Handlers, equipment cleaners, helpers, and laborers .................. | 5,102 | 5,282 | 4,025 | 4,139 | 3,345 | 3,419 | 1,076 | 1,143 | 951 | 995 |
| Construction laborers .......................................................... | 735 | 799 | 707 | 769 | 653 | 700 | 28 | 30 | 27 | 30 |
| Other handlers, equipment cleaners, helpers, and laborers ......... | 4,367 | 4,482 | 3,319 | 3,370 | 2,693 | 2,718 | 1,048 | 1,112 | 925 | 965 |
| Farming, forestry, and fishing ................................................... | 3,132 | 3,046 | 2,509 | 2.431 | 2,345 | 2,268 | 622 | 615 | 602 | 586 |
| Farm operators and managers | 1,282 | 1,080 | 977 | 813 | 974 | 810 | 306 | 267 | 306 | 264 |
| Other farming, forestry, and fishing occupations .......................... | 1,849 | 1,966 | 1,533 | 1,618 | 1,371 | 1,458 | 316 | 348 | 296 | 322 |

## A-20. Employed persons by occupation, race, and sex

(Percent distribution)

| Occupation and race | Total |  | Men |  | Women |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| TOTAL |  |  |  |  |  |  |
| Total, 16 years and over (thousands) | 130,785100.0 | $\begin{array}{r} 132,732 \\ 100.0 \end{array}$ | $\begin{array}{r} 69,849 \\ 100.0 \end{array}$ | $\begin{array}{r} 70,930 \\ 100.0 \end{array}$ | $\begin{array}{r} 60,936 \\ 100.0 \end{array}$ | $\begin{array}{r} 61,801 \\ 100.0 \end{array}$ |
| Percent .. |  |  |  |  |  |  |
| Managerial and professional specialty .............................................................. | 29.4 | 30.1 | 28.0 | 28.6 | 30.9 | 31.9 |
| Executive, administrative, and managerial .......................................................... | 14.3 | 14.6 | 14.8 | 15.1 | 13.6 | 14.1 |
| Professional specialty .................................................................................. | 15.1 | 15.5 | 13.2 | 13.4 | 17.3 | 17.9 |
| Technical, sales, and administrative support ...................................................... | 29.7 | 29.0 | 19.9 | 19.4 | 40.8 | 40.0 |
| Technicians and related support ..................................................................... | 3.2 | 3.1 | 2.9 | 2.6 | 3.6 | 3.7 |
| Sales occupations $\qquad$ <br> Administrative support, including clerical $\qquad$ | 12.3 | 12.2 | 11.4 | 11.3 | 13.4 | 13.3 |
|  | 14.1 | 13.7 | 5.6 | 5.6 | 23.9 | 23.1 |
| Service occupations ................................................................................... | 13.6 | 13.5 | 10.2 | 10.0 | 17.5 | 17.4 |
| Private household ....... | . 7 | . 7 | (1) | . 1 | 1.3 | 1.3 |
| Protective service | 1.8 | 1.8 | 2.8 | 2.7 | . 7 | . 7 |
| Service, except private household and protective | 11.1 | 11.0 | 7.3 | 7.2 | 15.5 | 15.4 |
| Precision production, craft, and repair | 10.9 | 11.0 | 18.5 | 18.7 | 2.1 | 2.1 |
| Operators, fabricators, and laborers | 14.1 | 14.1 | 19.8 | 19.8 | 7.7 | 7.5 |
| Machine operators, assemblers, and inspectors ................................................. | 6.0 | 5.9 | 6.9 | 6.9 | 5.0 | 4.7 |
| Transportation and material moving occupations Handlers, equipment cleaners, helpers, and laborers Farming, forestry, and fishing | 4.2 | 4.2 | 7.1 | 7.1 | . 9 | 1.0 |
|  | 3.9 | 4.0 | 5.8 | 5.8 | 1.8 | 1.8 |
|  | 2.4 | 2.3 | 3.6 | 3.4 | 1.0 | 1.0 |
| White |  |  |  |  |  |  |
| Total, 16 years and over (thousands) | $\begin{array}{r} 110,662 \\ 100.0 \end{array}$ | 111,647 | 60,128 | $60,722$ | $50,534$ | $\begin{array}{r} 50,924 \\ 100.0 \end{array}$ |
| Percent ..................................................................................................... |  | 100.0 | 100.0 | $100.0$ | 100.0 |  |
| Managerial and professional specialty ............................................................. | 30.3 | 31.1 | 28.8 | 29.5 | 32.1 | 33.1 |
| Executive, administrative, and managerial Professional specialty | 14.9 | 15.3 | 15.5 | 15.9 | 14.2 | 14.5 |
|  | 15.4 | 15.9 | 13.3 | 13.5 | 17.9 | 18.7 |
| Technical, sales, and administrative support ....................................................... | 29.8 | 29.1 | 19.9 | 19.4 | 41.5 | 40.6 |
| Technicians and related support .................................................................... | 3.2 | 3.1 | 2.9 | 2.6 | 3.6 | 3.7 |
| Sales occupations ....................................................................................... | 12.7 | 12.4 | 11.8 | 11.6 | 13.7 | 13.5 |
| Administrative support, including clerical .......................................................... | 13.9 | 13.5 | 5.3 | 5.2 | 24.1 | 23.4 |
| Service occupations ..................................................................................................................................................................... | 12.4 | 12.3 | 9.1 | 9.0 | 16.3 | 16.3 |
|  | . 6 | . 6 | ( ${ }^{1}$ ) | . 1 | 1.3 | 1.3 |
| Private household ..................................................................................................................................... | 1.7 | 1.7 | 2.6 | 2.6 | . 5 | . 6 |
| Service, except private household and protective .............................................. | 10.1 | 10.0 | 6.5 | 6.3 | 14.4 | 14.4 |
| Precision production, craft, and repair .............................................................. | 11.3 | 11.5 | 19.2 | 19.5 | 1.9 | 2.0 |
| Operators, fabricators, and laborers ................................................................. | 13.5 | 13.4 | 19.0 | 18.9 | 7.0 | 6.9 |
| Machine operators, assemblers, and inspectors $\qquad$ <br> Transportation and material moving occupations $\qquad$ | 5.7 | 5.5 | 6.7 | 6.6 | 4.5 | 4.3 |
|  | 4.1 | 4.1 | 6.9 | 6.9 | . 8 | 9 |
| Handiers, equipment cleaners, helpers, and laborers ......................................................................................................................... | 3.7 | 3.8 | 5.5 | 5.5 | 1.7 | 1.8 |
|  | 2.6 | 2.5 | 3.9 | 3.7 | 1.1 | 1.1 |
| Black |  |  |  |  |  |  |
| Total, 16 years and over (thousands)Percent ............................... | $\begin{gathered} 14,248 \\ 100.0 \end{gathered}$ | 14,993 | $6,618$ | 6,945 | $\begin{aligned} & 7,630 \\ & 100.0 \end{aligned}$ | 8,048100.0 |
|  |  | 100.0 | 100.0 | 100.0 |  |  |
| Managerial and protessional specialty .............................................................. | 20.5 | 20.9 | 17.8 | 18.1 | 22.8 | 23.3 |
| Executive, administrative, and managerial $\qquad$ Professional specialty $\qquad$ | 9.5 | 10.1 | 8.7 | 9.4 | 10.2 | 10.6 |
|  | 11.0 | 10.8 | 9.1 | 8.6 | 12.6 | 12.7 |
| Technical, sales, and administrative support ...................................................... | 29.5 | 28.9 | 18.7 | 18.4 | 38.9 | 38.0 |
| Technicians and related support Sales occupations | 2.8 | 3.0 | 2.5 | 2.4 | 3.1 | 3.4 |
|  | 9.5 | 10.1 | 7.7 | 7.9 | 11.1 | 12.0 |
| Administrative support, including clerical .............................................................. | 17.2 | 15.8 | 8.5 | 8.1 | 24.7 | 22.5 |
|  | 21.9 | 21.7 | 17.9 | 17.2 | 25.3 | 25.5 |
|  | 1.0 | . 9 | . 1 | . 1 | 1.8 | 1.6 |
| Protective service ......................................................................................... | 3.0 | 2.7 | 4.7 | 4.2 | 1.5 | 1.5 |
|  | 17.9 | 18.0 | 13.1 | 13.0 | 22.0 | 22.4 |
| Precision production, craft, and repair ................................................................. | 7.7 | 7.9 | 14.3 | 14.5 | 2.1 | 2.2 |
| Operators, fabricators, and laborers ............................................................................................................ | 19.5 | 19.5 | 29.8 | 29.9 | 10.6 | 10.6 |
|  | 8.3 | 8.1 | 9.6 | 10.1 | 7.1 | 6.4 |
| Transportation and material moving occupations ............................................... | 5.8 | 5.8 | 10.9 | 10.4 | 1.5 | 1.8 |
| Handlers, equipment cleaners, helpers, and laborers $\qquad$ <br> Farming, forestry, and fishing | 5.4 | 5.6 | 9.3 | 9.4 | 2.0 | 2.4 |
|  | . 9 | 1.1 | 1.5 | 1.9 | 4 | 5 |

[^6]
## HOUSEHOLD DATA

NOT SEASONALLY ADJUSTED

## A-21. Employed persons by industry and occupation

(In thousands)

| Industry | December 1998 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\left.\begin{gathered} \text { Total } \\ \text { em- } \\ \text { ployed } \end{gathered} \right\rvert\,$ | Managerial and professional specialty |  | Technical, sales, and administrative support |  |  | Service occupations |  | Preci- <br> sion 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 service ${ }^{1}$ |  | Machine operators, assemblers, and inspectors | Transportation and material moving | Handlers, equipment cleaners, helpers, and laborers |  |
| Agriculture | 2,953 | 140 | 89 | 33 | 20 | 121 | - | 9 | 38 | 19 | 38 | 22 | 2,423 |
| Mining .. | 568 | 85 | 67 | 11 | 7 | 45 | - | 9 | 183 | 29 | 107 | 24 | 2 |
| Construction ........................ | 8,670 | 1,436 | 142 | 53 | 80 | 384 | - | 17 | 5,002 | 108 | 545 | 894 | 9 |
| Manufacturing ...................... | 20,547 | 2,936 | 2,059 | 670 | 779 | 1,815 | - | 258 | 3,939 | 6,266 | 753 | 980 | 91 |
| Durable goods ................... | 12,521 | 1,736 | 1,398 | 440 | 325 | 989 | - | 129 | 2,801 | 3,724 | 371 | 521 | 87 |
| Nondurable goods .............. | 8,026 | 1,200 | 661 | 230 | 455 | 826 | - | 129 | 1,137 | 2,542 | 382 | 460 | 4 |
| Transportation and public utilities $\qquad$ | 9,675 | 1,320 | 554 | 375 | 284 | 2,472 | - | 314 | 1,403 | 111 | 2,357 | 469 | 17 |
| Wholesale and retail trade ...... | 28,037 | 2,529 | 631 | 269 | 11688 | 2,278 | - | 5,184 | 1,507 | 381 | 1,168 | 2,302 | 99 |
| Wholesale trade .................. | 5,233 | 607 | 153 | 39 | 2,073 | 809 | $\sim$ | 52 | 349 | 124 | 539 | 422 | 69 |
| Retail trade ........................ | 22,804 | 1,922 | 478 | 230 | 9,615 | 1,470 | - | 5,132 | 1,159 | 256 | 630 | 1,881 | 31 |
| Finance, insurance, and real estate $\qquad$ | 8,727 | 2,626 | 376 | 174 | 2,165 | 2,789 | - | 309 | 176 | 15 | 14 | 31 | 52 |
| Services .............................. | 47,507 | 6,860 | 15,672 | 2,346 | 1,134 | 7,005 | 870 | 9,193 | 2,136 | 822 | 626 | 518 | 324 |
| Private households .............. | 963 | - | 10 | - | - | 1 | 870 | 51 | - | - | 3 | 11 | 17 |
| Other service industries ........ | 46,543 | 6,860 | 15,662 | 2,346 | 1,134 | 7,004 | - | 9,142 | 2,136 | 822 | 623 | 507 | 307 |
| Professional services ......... | 31,834 | 4,162 | 13,601 | 1,968 | 196 | 5.107 | - | 5,645 | 478 | 170 | 357 | 83 | 67 |
| Public administration .............. | 6,047 | 1.483 | 1,001 | 207 | 31 | 1,281 | - | 1,710 | 203 | 36 | 25 | 40 | 29 |

${ }^{1}$ Includes protective service, not shown separately.
NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.

## A-22. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker

(In thousands)

| Age and sex | December 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture |  |  | Nonagricultural industries |  |  |  |  |  |  |
|  | Wage and salary workers | Selfemployed workers | Unpaid family workers | Wage and salary workers |  |  |  |  | Selfemployed workers | Unpaid family workers |
|  |  |  |  | Total | Private industries |  |  | Government |  |  |
|  |  |  |  |  | Total | Private household workers | Other private industries |  |  |  |
| Total, 16 years and over ................ | 1,683 | 1,241 | 29 | 120,917 | 102,015 | 962 | 101,053 | 18,902 | 8,745 | 117 |
| 16 to 19 years ............................... | 137 | 16 | 7 | 6,769 | 6,431 | 93 | 6,339 | 338 | 91 | - |
| 16 to 17 years ............................. | 68 | 11 | 2 | 2,632 | 2,531 | 63 | 2,468 | 100 | 25 | - |
| 18 to 19 years ............................. | 70 | 6 | 4 | 4,137 | 3,900 | 30 | 3,870 | 237 | 66 | - |
| 20 to 24 years ............................... | 233 | 17 | 9 | 12,145 | 11,116 | 110 | 11,006 | 1,029 | 220 | 9 |
| 25 to 34 years ............................... | 464 | 168 | 4 | 29,294 | 25,572 | 191 | 25,380 | 3,723 | 1,398 | 15 |
| 35 to 44 years ............................... | 403 | 313 | 3 | 33,147 | 27,823 | 217 | 27,606 | 5,325 | 2,564 | 39 |
| 45 to 54 years .............................. | 267 | 289 | 3 | 25,206 | 19,540 | 174 | 19,366 | 5,666 | 2,442 | 27 |
| 55 to 64 years ............................... | 125 | 236 | 2 | 11,437 | 9,058 | 120 | 8,938 | 2,379 | 1,366 | 11 |
| 65 years and over .......................... | 54 | 202 | - | 2,918 | 2.475 | 57 | 2,417 | 444 | 665 | 16 |
| Men, 16 years and over ................. | 1,257 | 924 | 20 | 63,356 | 54,913 | 83 | 54,830 | 8,443 | 5,336 | 37 |
| 16 to 19 years .............................. | 110 | 9 | 7 | 3,320 | 3,152 | 10 | 3,142 | 167 | 47 | - |
| 16 to 17 years ............................. | 52 | 9 | 2 | 1,268 | 1,213 | 5 | 1,208 | 54 | 8 | - |
| 18 to 19 years ............................. | 58 | - | 4 | 2,052 | 1,939 | 5 | 1,934 | 113 | 39 | - |
| 20 to 24 years ............................... | 190 | 16 | 9 | 6,336 | 5,890 | 8 | 5,882 | 447 | 111 | 7 |
| 25 to 34 years .............................. | 346 | 132 | 4 | 15,635 | 13,904 | 18 | 13,886 | 1,731 | 838 | - |
| 35 to 44 years ............................... | 311 | 237 | - | 17,576 | 15,273 | 22 | 15,251 | 2,303 | 1,536 | 15 |
| 45 to 54 years ............................... | 168 | 205 | - | 12,874 | 10,443 | 9 | 10,434 | 2,431 | 1,477 | 6 |
| 55 to 64 years ............................... | 95 | 159 | - | 6,030 | 4,884 | 9 | 4,876 | 1,146 | 880 | 2 |
| 65 years and over .......................... | 39 | 166 | - | 1,585 | 1,367 | 8 | 1,359 | 218 | 446 | 8 |
| Women, 16 years and over ............ | 426 | 318 | 8 | 57,561 | 47,101 | 879 | 46,223 | 10,459 | 3,409 | 80 |
| 16 to 19 years .............................. | 28 | 8 | - | 3,450 | 3,279 | 82 | 3,197 | 170 | 44 | - |
| 16 to 17 years ............................. | 16 | 2 | - | 1,364 | 1,318 | 58 | 1,261 | 46 | 17 | - |
| 18 to 19 years ............................. | 12 | 6 | - | 2,086 | 1,961 | 25 | 1,936 | 125 | 27 | - |
| 20 to 24 years ............................... | 44 | 1 | - | 5,808 | 5,226 | 102 | 5,124 | 582 | 108 | 2 |
| 25 to 34 years .............................. | 118 | 37 | - | 13,659 | 11,667 | 173 | 11,494 | 1,992 | 560 | 15 |
| 35 to 44 years ............................... | 93 | 76 | 3 | 15,571 | 12,550 | 195 | 12,355 | 3,022 | 1,028 | 24 |
| 45 to 54 years .............................. | 99 | 84 | 3 | 12,332 | 9,097 | 165 | 8,932 | 3,235 | 965 | 21 |
| 55 to 64 years .............................. | 30 | 76 | 2 | 5,407 | 4,174 | 111 | 4,063 | 1,233 | 486 | 8 |
| 65 years and over .......................... | 15 | 36 | - | 1,333 | 1,108 | 50 | 1,058 | 226 | 218 | 9 |

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.

## NOT SEASONALLY ADJUSTED

A-23. Persons at work in agriculture and nonagricultural industries by hours of work

| Hours of work | December 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  | Percent distribution |  |  |
|  | All industries | Agriculture | Nonagricultural industries | All industries | Agriculture | Nonagricultural industries |
| Total, 16 years and over ................................................... | 129,168 | 2,786 | 126,383 | 100.0 | 100.0 | 100.0 |
| 1 to 34 hours ........................................................................ | 30,260 | 899 | 29,361 | 23.4 | 32.3 | 23.2 |
| 1 to 4 hours ......................................................................... | 1,042 | 61 | 980 | . 8 | 2.2 | . 8 |
| 5 to 14 hours ......................................................................... | 5,130 | 209 | 4,921 | 4.0 | 7.5 | 3.9 |
| 15 to 29 hours ..................................................................... | 15,210 | 411 | 14,799 | 11.8 | 14.8 | 11.7 |
| 30 to 34 hours ...................................................................... | 8,878 | 217 | 8,661 | 6.9 | 7.8 | 6.9 |
| 35 hours and over ............................................................... | 98,908 | 1,886 | 97,022 | 76.6 | 67.7 | 76.8 |
| 35 to 39 hours | 8,537 | 140 | 8,396 | 6.6 | 5.0 | 6.6 |
| 40 hours | 47,768 | 700 | 47,068 | 37.0 | 25.1 | 37.2 |
| 41 hours and over ................................................................. | 42,603 | 1,046 | 41,558 | 33.0 | 37.5 | 32.9 |
| 41 to 48 hours ...................................................................... | 15,348 | 238 | 15,110 | 11.9 | 8.5 | 12.0 |
| 49 to 59 hours .................................................................... | 16,016 | 374 | 15,643 | 12.4 | 13.4 | 12.4 |
| 60 hours and over ......................................................... | 11,239 | 434 | 10,805 | 8.7 | 15.6 | 8.5 |
| Average hours, total at work | 39.8 | 39.9 | 39.8 | - | - | - |
| Average hours, persons who usually work full time ..................... | 43.9 | 45.7 | 43.9 | - | - | - |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

A-24. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than $\mathbf{3 5}$ hours and usual full- or part-time status
(Numbers in thousands)

| Reason for working less than 35 hours | December 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All industries |  |  | Nonagricultural industries |  |  |
|  | Total | Usually work full time | Usually work part time | Total | Usually work full time | Usually work part time |
| Total, 16 years and over .......................................................... | 30.260 | 8,379 | 21,882 | 29,361 | 8,044 | 21,317 |
| Economic reasons | 3,455 | 1,343 | 2,112 | 3,242 | 1,195 | 2,047 |
| Slack work or business conditions ........................................... | 2,005 | 1,047 | 958 | 1,901 | 961 | 939 |
| Could only find part-time work .................................................... | 1,088 | - | 1,088 | 1,057 | - | 1,057 |
| Seasonal work ........................................................................ | 207 | 142 | 65 | 134 | 83 | 51 |
| Job started or ended during week ................................................. | 154 | 154 | - | 150 | 150 | - |
| Noneconomic reasons | 26,806 | 7,035 | 19,770 | 26,119 | 6.849 | 19,270 |
| Child-care problems ................................................................. | 910 | 106 | 804 | 898 | 104 | 794 |
| Other family or personal obligations ............................................ | 5,726 | 709 | 5,017 | 5,584 | 692 | 4,892 |
| Health or medical limitations | 696 | - | 696 | 668 | - | 668 |
| in school or training ................................................................. | 7,287 | 104 | 7,183 | 7,162 | 102 | 7,060 |
| Retired or Social Security limit on earnings | 2,076 | - | 2,076 | 1,970 | - | 1,970 |
| Vacation or personal day .......................................................... | 2,740 | 2,740 | - | 2,696 | 2,696 | - |
| Holiday, legal or religious | 87 | 87 | - | 82 | 82 | - |
| Weather-related curtailment ..................................................... | 297 | 297 | - | 245 | 245 | - |
| All other reasons ......................................................................... | 6,987 | 2,993 | 3,994 | 6,814 | 2,927 | 3,887 |
| Average hours: |  |  |  |  |  |  |
| Economic reasons ....................................................................... | 23.4 | 24.5 | 22.6 | 23.4 | 24.5 | 22.7 |
| Other reasons | 21.2 | 26.0 | 19.5 | 21.3 | 26.1 | 19.6 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## A-25. Persons at work in nonagricultural industries by class of worker and usual full- or part-time status

(Numbers in thousands)

| Industry and class of worker | December 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total at work | Worked 1 to 34 hours |  |  |  | Worked 35 hours or more | Average hours |  |
|  |  | Total | For economic reasons | For noneconomic reasons |  |  | Total at work | Persons who usually work full time |
|  |  |  |  | Usually work full time | Usually work part time |  |  |  |
| Total, 16 years and over .................................................. | 126,383 | 29,361 | 3,242 | 6,849 | 19,270 | 97,022 | 39.8 | 43.9 |
| Wage and salary workers ................................................ | 118,034 | 26,801 | 2,869 | 6,382 | 17,550 | 91,233 | 39.7 | 43.6 |
| Mining ....................................................................... | 531 | 37 | 6 | 30 | 1 | 494 | 47.3 | 47.4 |
| Construction .................................................................. | 6,935 | 1,041 | 289 | 437 | 315 | 5,894 | 41.4 | 42.9 |
| Manufacturing ................................................................. | 19,734 | 2,133 | 277 | 1,059 | 796 | 17,602 | 42.9 | 44.0 |
| Durable goods ................................................................. | 12,046 | 1,166 | 106 | 683 | 377 | 10,879 | 43.3 | 44.1 |
| Nondurable goods .......................................................... | 7,689 | 966 | 171 | 376 | 419 | 6,722 | 42.3 | 43.7 |
| Transportation and public utilities ....................................... | 8,919 | 1,260 | 165 | 518 | 577 | 7,659 | 43.0 | 44.7 |
| Wholesale and retail trade .................................................. | 25,871 | 8,638 | 981 | 965 | 6,692 | 17,233 | 37.2 | 44.1 |
| Finance, insurance, and real estate ................................... | 7,927 | 1,367 | 59 | 501 | 807 | 6,560 | 40.7 | 43.1 |
| Service industries ........................................................... | 42,228 | 11.485 | 1,059 | 2,369 | 8,057 | 30,742 | 38.3 | 43.3 |
| Private households | 930 | 503 | 77 | 31 | 396 | 427 | 29.1 | 41.4 |
| All other indusiries ........................................................... | 41,297 | 10,982 | 982 | 2,339 | 7,661 | 30,315 | 38.5 | 43.3 |
| Public administration ........................................................ | 5,889 | 839 | 32 | 502 | 305 | 5,049 | 41.5 | 42.9 |
| Self-employed workers ...................................................... | 8,232 | 2,504 | 369 | 461 | 1,674 | 5,728 | 40.7 | 47.5 |
| Unpaid family workers ........................................................ | 117 | 56 | 5 | 6 | 46 | 61 | 32.3 | (1) |

[^7]
## HOUSEHOLD DATA

NOT SEASONALLY ADJUSTED
A-26. Persons at work in nonagricultural industries by age, sex, race, marital status, and usual full- or part-time status
(Numbers in thousands)

| Age, sex, race, and marital status | December 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total at work | Worked 1 to 34 hours |  |  |  | Worked 35 hours or more | Average hours |  |
|  |  | Total | For economic reasons | For noneconomic reasons |  |  | Total at work | Persons who usually work full time |
|  |  |  |  | Usually work full time | Usually work part time |  |  |  |
| TOTAL |  |  |  |  |  |  |  |  |
| Total, 16 years and over | 126,383 | 29,361 | 3,242 | 6,849 | 19,270 | 97,022 | 39.8 | 43.9 |
| 16 to 19 years ... | 6,706 | 4,917 | 274 | 188 | 4,456 | 1,789 | 24.1 | 39.9 |
| 16 to 17 years | 2,600 | 2,435 | 47 | 19 | 2,369 | 165 | 17.4 | 37.1 |
| 18 to 19 years ............................................................... | 4.106 | 2,483 | 227 | 169 | 2,087 | 1,624 | 28.4 | 40.2 |
| 20 years and over | 119,677 | 24,444 | 2,968 | 6.661 | 14,814 | 95,233 | 40.7 | 43.9 |
| 20 to 24 years ... | 12,067 | 3,976 | 510 | 598 | 2,868 | 8,090 | 36.2 | 42.1 |
| 25 years and over | 107,610 | 20,467 | 2,458 | 6,063 | 11,947 | 87,143 | 41.2 | 44.1 |
| 25 to 54 years.... | 91,878 | 15,632 | 2,139 | 5,166 | 8,328 | 76,246 | 41.8 | 44.2 |
| 55 years and over | 15,732 | 4,835 | 319 | 897 | 3,619 | 10,897 | 37.6 | 43.6 |
| Men, 16 years and over ................................................. | 67,161 | 10,726 | 1,604 | 3,250 | 5,872 | 56,435 | 42.7 | 45.3 |
| 16 to 19 years ................................................................. | 3,293 | 2,215 | 142 | 102 | 1,972 | 1,077 | 26.0 | 40.3 |
| 16 to 17 years | 1,248 | 1,153 | 30 | 12 | 1,111 | 95 | 18.1 | 36.6 |
| 18 to 19 years. | 2,044 | 1,062 | 112 | 90 | 861 | 982 | 30.9 | 40.7 |
| 20 years and over ............................................................ | 63,869 | 8,511 | 1,463 | 3,148 | 3,900 | 55,358 | 43.5 | 45.4 |
| 20 to 24 years ............................................................... | 6,328 | 1,743 | 276 | 281 | 1,186 | 4,585 | 38.2 | 43.1 |
| 25 years and over .......................................................... | 57,540 | 6,767 | 1,187 | 2,867 | 2,714 | 50,773 | 44.1 | 45.6 |
| 25 to 54 years ............................................................. | 48,932 | 4,753 | 1,037 | 2,419 | 1,297 | 44,179 | 44.8 | 45.7 |
| 55 years and over ......................................................... | 8,608 | 2,014 | 150 | 448 | 1,416 | 6,594 | 40.3 | 44.9 |
| Women, 16 years and over ............................................ | 59,222 | 18,635 | 1,638 | 3,599 | 13,398 | 40,587 | 36.5 | 41.9 |
| 16 to 19 years ................................................................. | 3,414 | 2,702 | 132 | 86 | 2,484 | 712 | 22.2 | 39.2 |
| 16 to 17 years ............................................................... | 1,351 | 1,281 | 17 | 6 | 1,258 | 70 | 16.7 | $\left({ }^{1}\right)$ |
| 18 to 19 years .............................................................. | 2,062 | 1,421 | 115 | 79 | 1,226 | 642 | 25.9 | 39.4 |
| 20 years and over ............................................................ | 55,808 | 15,933 | 1,506 | 3,513 | 10,914 | 39,875 | 37.4 | 42.0 |
| 20 to 24 years .............................................................. | 5.738 | 2,233 | 235 | 317 | 1,681 | 3,505 | 34.1 | 40.9 |
| 25 years and over .......................................................... | 50,070 | 13,700 | 1,271 | 3,196 | 9,233 | 36,370 | 37.8 | 42.1 |
| 25 to 54 years .............................................................. | 42,946 | 10,879 | 1,102 | 2,747 | 7,030 | 32,066 | 38.3 | 42.1 |
| 55 years and over ........................................................ | 7,124 | 2,821 | 169 | 448 | 2,203 | 4,303 | 34.3 | 41.6 |
| Race |  |  |  |  |  |  |  |  |
| White, 16 years and over .............................................. | 106,057 | 25,213 | 2,583 | 5,762 | 16,869 | 80,844 | 39.8 | 44.0 |
| Men .............................................................................. | 57,335 | 9,148 | 1.323 | 2,773 | 5,052 | 48,187 | 42.9 | 45.5 |
| Women ......................................................................... | 48,722 | 16,065 | 1,259 | 2,989 | 11,817 | 32,657 | 36.2 | 42.0 |
| Black, 16 years and over ................................................ | 14,471 | 3,031 | 537 | 861 | 1.634 | 11,439 | 39.5 | 42.5 |
| Men .............................................................................. | 6,694 | 1,134 | 229 | 375 | 530 | 5,560 | 41.4 | 43.8 |
| Women ......................................................................... | 7.777 | 1,897 | 308 | 485 | 1,104 | 5,880 | 37.9 | 41.3 |
| Marital status |  |  |  |  |  |  |  |  |
| Men, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present ................................................... | 41,164 | 4,459 | 645 | 1,978 | 1,835 | 36,705 | 44.6 | 45.9 |
| Widowed, divorced, or separated | 7,866 | 1,053 | 241 | 434 | 377 | 6,813 | 43.5 | 45.1 |
| Single (never married) ..................................................... | 18,132 | 5,215 | 718 | 837 | 3,660 | 12,917 | 38.0 | 43.6 |
| Women, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present .................................................. | 31,862 11,917 | 9,721 2,837 | 659 | 1,954 793 | 7,108 1,623 | 22,141 9,079 | 36.7 38.9 | 41.8 42.4 |
| Widowed, divorced, or separated .............................................................. | 11,917 15,443 | 2,837 6,077 | 422 557 | 852 | 4,668 | 9,079 <br> 9,366 | 34.3 | 41.9 |
| Single (never marred) .................. |  |  |  |  |  |  |  |  |

[^8]
## A-27. Persons at work in nonfarm occupations by sex and usual full- or part-time status

(Numbers in thousands)

| Occupation and sex | December 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total at work | Worked 1 to 34 hours |  |  |  | Worked 35 hours or more | Average hours |  |
|  |  | Total | For economic reasons | For noneconomic reasons |  |  | Total at work | Persons who usually work full time |
|  |  |  |  | Usually work full time | Usually work part time |  |  |  |
| Total, 16 years and over ${ }^{1}$.......................................................... | 126,295 | 29,363 | 3,247 | 6,837 | 19,279 | 96,932 | 39.8 | 43.9 |
| Managerial and professional specialty | 39,054 | 6,518 | 475 | 2,075 | 3,968 | 32,536 | 42.6 | 45.5 |
| Executive, administrative, and manageria! | 19,000 | 2,302 | 185 | 941 | 1,175 | 16,699 | 44.5 | 46.3 |
| Professional specialty ......................... | 20,054 | 4,217 | 290 | 1,134 | 2,793 | 15,837 | 40.8 | 44.6 |
| Technical, sales, and administrative support | 37,538 | 10,537 | 749 | 2,117 | 7,670 | 27,001 | 38.0 | 43.0 |
| Technicians and related support | 4,031 | 950 | 52 | 302 | 596 | 3,080 | 39.1 | 42.4 |
| Sales occupations ............. | 15,803 | 4,790 | 439 | 606 | 3,745 | 11,013 | 39.0 | 45.6 |
| Administrative support, including clerical | 17,705 | 4,796 | 258 | 1,209 | 3,330 | 12,908 | 36.8 | 41.0 |
| Service occupations | 17,309 | 6,822 | 904 | 835 | 5,083 | 10,487 | 34.8 | 42.5 |
| Private household. | 845 | 470 | 66 | 26 | 379 | 375 | 28.6 | 41.2 |
| Protective service | 2,282 | 380 | 32 | 131 | 217 | 1,902 | 42.7 | 45.5 |
| Service, except private household and protective | 14,182 | 5,972 | 806 | 678 | 4,487 | 8,210 | 34.0 | 41.8 |
| Precision production, craft, and repair | 14,164 | 1,871 | 424 | 846 | 601 | 12,293 | 42.3 | 43.6 |
| Operators, fabricators, and laborers ... | 18,230 | 3,615 | 695 | 963 | 1,957 | 14,615 | 40.4 | 43.3 |
| Machine operators, assemblers, and inspectors | 7,634 | 1,026 | 215 | 443 | 368 | 6,607 | 41.3 | 42.5 |
| Transportation and material moving occupations | 5,428 | 948 | 171 | 251 | 527 | 4,480 | 43.2 | 46.0 |
| Handlers, equipment cleaners, helpers, and laborers ....................... | 5,169 | 1,641 | 310 | 269 | 1,062 | 3,528 | 36.1 | 41.4 |
| Men, 16 years and over ${ }^{1}$........................................................... | 66,938 | 10,668 | 1,607 | 3,234 | 5,827 | 56,270 | 42.7 | 45.3 |
| Managerial and professional specialty ........................................... | 19,866 | 2,129 | 208 | 889 | 1,032 | 17,736 | 45.7 | 47.4 |
| Executive, administrative, and managerial ...................................... | 10,525 | 924 | 113 | 445 | 366 | 9,601 | 47.0 | 48.2 |
| Professional specialty . | 9,341 | 1,206 | 95 | 444 | 667 | 8,135 | 44.3 | 46.5 |
| Technical, sales, and administrative support | 13,510 | 2,424 | 209 | 600 | 1,616 | 11,086 | 42.4 | 45.8 |
| Technicians and related support ............. | 1,822 | 268 | 25 | 111 | 132 | 1,555 | 42.2 | 44.0 |
| Sales occupations .................. | 7,836 | 1,367 | 104 | 248 | 1,014 | 6,469 | 43.9 | 47.7 |
| Administrative support, including clerical | 3,852 | 790 | 80 | 241 | 469 | 3,062 | 39.5 | 42.8 |
| Service occupations | 6,904 | 2,026 | 308 | 325 | 1,393 | 4.879 | 37.9 | 43.6 |
| Private household . | 49 | 24 | 9 | - | 14 | 26 | $\left({ }^{2}\right)$ | ${ }^{2}$ ) |
| Protective service. | 1,868 | 257 | 27 | 104 | 126 | 1,611 | 44.0 | 46.2 |
| Service, except private household and protective .............................. | 4,987 | 1,745 | 272 | 220 | 1,252 | 3,242 | 35.8 | 42.4 |
| Precision production, craft, and repair | 12,912 | 1,648 | 396 | 770 | 481 | 11,264 | 42.5 | 43.7 |
| Operators, fabricators, and laborers ............ | 13,746 | 2,441 | 485 | 651 | 1,305 | 11,305 | 41.2 | 44.0 |
| Machine operators, assemblers, and inspectors | 4,830 | 477 | 91 | 237 | 149 | 4,353 | 42.6 | 43.5 |
| Transportation and material moving occupations | 4,850 | 718 | 126 | 220 | 373 | 4,132 | 44.1 | 46.4 |
| Handlers, equipment cleaners, helpers, and laborers ....................... | 4,065 | 1,245 | 268 | 194 | 783 | 2,820 | 36.2 | 41.4 |
| Wornen, 16 years and over ${ }^{1}$ | 59,357 | 18,695 | 1,641 | 3,602 | 13,452 | 40,662 | 36.5 | 41.9 |
| Managerial and professional specialty ............................................ | 19,189 | 4,389 | 267 | 1,187 | 2,935 | 14,800 | 39.3 | 43.2 |
| Executive, administrative, and managerial ...................................... | 8,476 | 1,378 | 72 | 497 | 809 | 7,098 | 41.3 | 43.7 |
| Professional specialty ........................... | 10,713 | 3,011 | 195 | 690 | 2,126 | 7,702 | 37.8 | 42.7 |
| Technical, sales, and administrative support | 24,028 | 8,112 | 540 | 1,517 | 6,055 | 15,915 | 35.5 | 41.1 |
| Technicians and related support .................................................. | 2,208 | 683 | 28 | 191 | 464 | 1,526 | 36.6 | 40.8 |
| Sales occupations ..................................................................... | 7,967 | 3,423 | 335 | 358 | 2,730 | 4,543 | 34.1 | 42.7 |
| Administrative support, including clerical ........................................ | 13,853 | 4,006 | 178 | 968 | 2,861 | 9,846 | 36.1 | 40.4 |
| Service occupations.. | 10,405 | 4,797 | 595 | 511 | 3,691 | 5,608 | 32.8 | 41.5 |
| Private household | 796 | 447 | 56 | 26 | 364 | 349 | 28.6 | 41.4 |
| Protective service | 414 | 123 | 5 | 26 | 91 | 291 | 36.9 | 42.0 |
| Service, except private household and protective ............................ | 9,195 | 4,227 | 534 | 458 | 3,235 | 4,968 | 33.0 | 41.5 |
| Precision production, craft, and repair ............................................. | 1,252 | 222 | 27 | 75 | 120 | 1,029 | 40.0 | 42.1 |
| Operators, fabricators, and laborers ................................................ | 4,485 | 1,175 | 211 | 312 | 652 | 3,310 | 37.7 | 41.1 |
| Machine operators, assemblers, and inspectors | 2,803 | 549 | 124 | 206 | 219 | 2,254 | 39.0 | 40.8 |
| Transportation and material moving occupations ............................. | 577 | 230 | 45 | 31 | 154 | 348 | 35.6 | 42.2 |
| Handlers, equipment cleaners, helpers, and laborers ........................ | 1.104 | 396 | 42 | 75 | 279 | 708 | 35.8 | 41.4 |

1 Excludes farming, forestry, and fishing occupations.
2 Data not shown where base is less than 75,000 .

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

NOT SEASONALLY ADJUSTED

A-28. Unemployed persons by marital status, race, age, and sex

| Maritai status, race. and age | Men |  |  |  | Women |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Unemployment rates |  | Thousands of persons |  | Unemployment rates |  |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & \hline 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1997 \end{gathered}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| Total, 16 years and over ........................................ | 3,304 | 3,125 | 4.5 | 4.2 | 2,653 | 2,440 | 4.2 | 3.8 |
| Married, spouse present ............................................. | 1,133 | 1,030 | 2.6 | 2.3 | 884 | 849 | 2.6 | 2.5 |
| Widowed, divorced, or separated ................................. | 495 | 462 | 5.8 | 5.2 | 621 | 611 | 4.8 | 4.7 |
| Single (never married) ............................................... | 1,676 | 1,633 | 8.2 | 7.9 | 1,148 | 980 | 6.9 | 5.8 |
| White, 16 years and over. | 2,417 | 2,394 | 3.9 | 3.8 | 1,788 | 1,755 | 3.4 | 3.3 |
| Married, spouse present ............................................ | 909 | 870 | 2.3 | 2.2 | 700 | 719 | 2.3 | 2.4 |
| Widowed, divorced, or separated ................................. | 398 | 365 | 5.6 | 5.0 | 429 | 449 | 4.2 | 4.4 |
| Single (never married) ............................................... | 1,110 | 1,158 | 6.7 | 6.9 | 660 | 587 | 5.4 | 4.7 |
| Black, 16 years and over ...................................... | 707 | 578 | 9.7 | 7.7 | 730 | 565 | 8.7 | 6.6 |
| Married, spouse present ............................................ | 142 | 109 | 4.2 | 3.2 | 122 | 84 | 4.7 | 3.0 |
| Widowed, divorced, or separated | 74 | 77 | 6.6 | 6.3 | 165 | 137 | 7.2 | 6.1 |
| Single (never married) ................................................ | 491 | 392 | 17.3 | 13.6 | 443 | 344 | 12.7 | 9.6 |
| Total, 25 years and over | 2,187 | 1,986 | 3.5 | 3.2 | 1,782 | 1,708 | 3.3 | 3.2 |
| Married, spouse present ....... | 1,079 | 972 | 2.5 | 2.3 | 789 | 793 | 2.4 | 2.4 |
| Widowed, divorced, or separated | 463 | 441 | 5.6 | 5.1 | 575 | 586 | 4.6 | 4.6 |
| Single (never married) ................................................ | 644 | 573 | 5.9 | 5.2 | 418 | 329 | 5.0 | 3.9 |
| White, 25 years and over ....................................... | 1,652 | 1,562 | 3.1 | 2.9 | 1,236 | 1,249 | 2.8 | 2.8 |
| Married, spouse present ........................................... | 860 | 813 | 2.3 | 2.1 | 618 | 667 | 2.2 | 2.3 |
| Widowed, divorced, or separated ................................. | 370 | 349 | 5.4 | 4.9 | 391 | 430 | 4.0 | 4.3 |
| Single (never married) ............................................... | 422 | 400 | 4.9 | 4.6 | 226 | 152 | 3.9 | 2.6 |
| Black, 25 years and over ...................................... | 413 | 330 | 6.8 | 5.3 | 451 | 367 | 6.6 | 5.2 |
| Married, spouse present ............................................. | 138 | 109 | 4.2 | 3.2 | 109 | 83 | 4.4 | 3.1 |
| Widowed, divorced, or separated ................................. | 72 | 73 | 6.7 | 6.1 | 157 | 132 | 7.0 | 6.0 |
| Single (never married) ............................................... | 203 | 148 | 11.9 | 8.8 | 185 | 152 | 8.5 | 6.8 |

NOTE: Beginning in 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

| Occupation | Thousands of persons |  | Unemployment rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | Total |  | Men |  | Wornen |  |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | Dec. <br> 1998 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| Total, 16 years and over ${ }^{1}$.............................................................. | 5,957 | 5,565 | 4.4 | 4.0 | 4.5 | 4.2 | 4.2 | 3.8 |
| Managerial and professional specialty .................................................. | 669 | 665 | 1.7 | 1.6 | 1.8 | 1.7 | 1.7 | 1.5 |
| Executive, administrative, and managerial ........................................... | 357 | 332 | 1.9 | 1.7 | 1.9 | 1.7 | 1.9 | 1.6 |
| Professional specialty ..................................................................... | 313 | 333 | 1.6 | 1.6 | 1.6 | 1.7 | 1.5 | 1.5 |
| Technical, sales, and administrative support .......................................... | 1,436 | 1,319 | 3.6 | 3.3 | 3.1 | 3.1 | 3.8 | 3.5 |
| Technicians and related support ....................................................... | 92 | 92 | 2.1 | 2.2 | 2.1 | 2.4 | 2.2 | 2.0 |
| Sales occupations ........................................................................ | 733 | 614 | 4.4 | 3.7 | 3.0 | 3.0 | 5.7 | 4.3 |
| Administrative support, including clerical ............................................. | 611 | 614 | 3.2 | 3.3 | 4.0 | 3.4 | 3.0 | 3.2 |
| Service occupations ......................................................................... | 1.065 | 1.061 | 5.7 | 5.6 | 5.6 | 6.1 | 5.7 | 5.3 |
| Private nousehold ........................................................................... | 79 | 81 | 8.2 | 8.5 | $\left({ }^{2}\right)$ | $\left({ }^{2}\right)$ | 8.0 | 8.7 |
| Protective sevice ........................................................................... | 86 | 56 | 3.6 | 2.3 | 2.8 | 1.7 | 7.2 | 5.0 |
| Service, except private household and protective ................................. | 900 | 924 | 5.8 | 5.9 | 6.6 | 7.6 | 5.4 | 5.0 |
| Precision production, craft, and repair .................................................. | 714 | 503 | 4.8 | 3.3 | 4.9 | 3.3 | 3.6 | 3.5 |
| Mechanics and repairers | 190 | 103 | 3.8 | 2.1 | 3.9 | 2.1 | 1.6 | 1.1 |
| Construction trades | 420 | 278 | 7.3 | 4.7 | 7.4 | 4.6 | 5.1 | 6.6 |
| Other precision production, craft, and repair ......................................., | 104 | 122 | 2.5 | 2.9 | 2.1 | 2.8 | 3.8 | 3.5 |
| Operators, fabricators, and laborers ..................................................... | 1,298 | 1,274 | 6.6 | 6.4 | 6.5 | 6.2 | 6.9 | 7.1 |
| Machine operators, assemblers, and inspectors ................................... | 466 | 501 | 5.6 | 6.0 | 5.2 | 5.2 | 6.2 | 7.4 |
| Transportation and material moving occupations .................................. | 272 | 271 | 4.7 | 4.6 | 4.7 | 4.5 | 5.2 | 5.3 |
| Handlers, equipment cleaners, helpers, and laborers ............................ | 560 | 502 | 9.9 | 8.7 | 10.0 | 9.1 | 9.5 | 7.0 |
| Construction laborers .................................................................... | 157 | 137 | 17.6 | 14.7 | 17.2 | 14.2 | $\left({ }^{2}\right)$ | $\left({ }^{2}\right)$ |
| Other handlers, equipment cleaners, helpers, and laborers .................... | 403 | 365 | 8.5 | 7.5 | 8.3 | 7.9 | 8.9 | 6.4 |
| Farming, forestry, and fishing .............................................................. | 325 | 355 | 9.4 | 10.4 | 8.9 | 10.4 | 11.6 | 10.7 |
| No previous work experience ............................................................. | 423 | 381 | - | - | - | - | - | - |
| 16 to 19 years .............................................................................. | 289 | 252 | - | - | - | - | - | - |
| 20 to 24 years ................................................................................ | 65 | 68 | - | - | - | - | - | - |
| 25 years and over ......................................................................... | 69 | 62 | - | - | - | - | - | - |

${ }^{1}$ Includes a small number of persons whose last job was in the Armed Forces.

2 Data not shown where base is less than 75,000 .

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.


NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

A-31. Unemployed persons by reason for unemployment, sex, age, and race
(Numbers in thousands)

| Reason | Total, 16 years and over |  | Men, 20 years and over |  | Women, 20 years and over |  | Both sexes, 16 to 19 years |  | White |  | Black |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 19997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemployed ......................................................... | 5,957 | 5,565 | 2,826 | 2,510 | 2,187 | 2,065 | 944 | 990 | 4,205 | 4,149 | 1,437 | 1,143 |
| Job losers and persons who completed temporary jobs ......... | 3,051 | 2,849 | 1,908 | 1,643 | 1,004 | 987 | 139 | 219 | 2,308 | 2,228 | 582 | 512 |
| On temporary layoff ....................................................... | 1,053 | 934 | 688 | 579 | 319 | 294 | 46 | 61 | 888 | 793 | 112 | 113 |
| Not on temporary layoff .................................................. | 1,998 | 1,915 | 1,220 | 1,064 | 685 | 693 | 93 | 158 | 1,420 | 1,435 | 470 | 399 |
| Permanent job losers .................................................... | 1,355 | 1,382 | 816 | 771 | 475 | 513 | 64 | 99 | 1,041 | 1,046 | 247 | 279 |
| Persons who completed temporary jobs .......................... | 643 | 533 | 404 | 294 | 210 | 180 | 28 | 59 | 378 | 389 | 224 | 121 |
| Job leavers ................................................................... | 634 | 628 | 279 | 302 | 292 | 263 | 62 | 63 | 478 | 481 | 126 | 127 |
| Reentrants. | 1,849 | 1,706 | 598 | 525 | 797 | 725 | 454 | 456 | 1,178 | 1,208 | 570 | 402 |
| New entrants ............................................................ | 423 | 381 | 40 | 41 | 94 | 89 | 289 | 252 | 241 | 232 | 159 | 101 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ........ | 51.2 | 51.2 | 67.5 | 65.5 | 45.9 | 47.8 | 14.7 | 22.1 | 54.9 | 53.7 | 40.5 | 44.8 |
| On temporary layoff ...................................................... | 17.7 | 16.8 | 24.3 | 23.1 | 14.6 | 14.3 | 4.9 | 6.2 | 21.1 | 19.1 | 7.8 | 9.9 |
| Not on temporary layoff ................................................. | 33.5 | 34.4 | 43.2 | 42.4 | 31.3 | 33.6 | 9.8 | 16.0 | 33.8 | 34.6 | 32.7 | 34.9 |
| Job leavers | 10.6 | 11.3 | 9.9 | 12.0 | 13.4 | 12.8 | 6.6 | 6.4 | 11.4 | 11.6 | 8.8 | 11.1 |
| Reentrants ..................................................................... | 31.0 | 30.6 | 21.2 | 20.9 | 36.4 | 35.1 | 48.1 | 46.0 | 28.0 | 29.1 | 39.6 | 35.2 |
| New entrants ................................................................. | 7.1 | 6.9 | 1.4 | 1.6 | 4.3 | 4.3 | 30.7 | 25.4 | 5.7 | 5.6 | 11.1 | 8.9 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 2.2 | 2.1 | 2.8 | 2.3 | 1.7 | 1.6 | 1.8 | 2.7 | 2.0 | 1.9 | 3.7 | 3.2 |
| Job leavers .................................................................... | . 5 | . 5 | . 4 | . 4 | . 5 | . 4 | . 8 | . 8 | . 4 | . 4 | . 8 | . 8 |
| Reentrants .................................................................... | 1.4 | 1.2 | . 9 | . 7 | 1.3 | 1.2 | 6.0 | 5.7 | 1.0 | 1.0 | 3.6 | 2.5 |
| New entrants ................................................................. | . 3 | . 3 | . 1 | . 1 | . 2 | . 1 | 3.8 | 3.1 | . 2 | . 2 | 1.0 | . 6 |

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

NOT SEASONALLY ADJUSTED

A-32. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment
(Percent distribution)

| Reason, sex, and age | December 1998 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total unemployed |  | Duration of unemployment |  |  |  |  |
|  | Thousands of persons | Percent | Less than 5 weeks | 5 to 14 weeks | 15 weeks and over |  |  |
|  |  |  |  |  | Total | 15 to 26 weeks | 27 weeks and over |
| Total, 16 years and over ....................................................... | 5,565 | 100.0 | 41.3 | 32.7 | 26.0 | 12.2 | 13.8 |
| Job losers and persons who completed temporary jobs ............... | 2,849 | 100.0 | 43.7 | 33.7 | 22.5 | 11.6 | 11.0 |
| On temporary layoff ................................................................ | 934 | 100.0 | 61.3 | 26.5 | 12.2 | 6.1 | 6.2 |
| Not on temporary layoff | 1,915 | 100.0 | 35.2 | 37.3 | 27.6 | 14.3 | 13.3 |
| Permanent job losers | 1,382 | 100.0 | 33.3 | 36.4 | 30.3 | 16.0 | $14.3$ |
| Persons who completed temporary jobs | 533 | 100.0 | 39.9 | 39.5 | 20.5 | 9.9 | 10.7 |
| Job leavers | 628 | 100.0 | 44.6 | 36.6 | 18.8 | 10.9 | 7.8 |
| Reentrants ............................................................................ | 1,706 | 100.0 | 38.9 | 28.2 | 33.0 | 13.8 | 19.1 |
| New entrants ......................................................................... | 381 | 100.0 | 28.8 | 38.0 | 33.2 | 11.8 | 21.4 |
| Men, 20 years and over ..................................................... | 2,510 | 100.0 | 43.0 | 31.3 | 25.7 | 10.4 | 15.3 |
| Job losers and persons who completed temporary jobs ............... | 1,643 | 100.0 | 45.8 | 32.6 | 21.6 | 9.2 | 12.4 |
| On temporary layoff | 579 | 100.0 | 63.1 | 25.5 | 11.3 | 5.7 | 5.6 |
| Not on temporary layoff | 1,064 | 100.0 | 36.3 | 36.4 | 27.2 | 11.2 | 16.1 |
| Permanent job losers | 771 | 100.0 | 35.6 | 32.6 | 31.7 | 13.4 | 18.3 |
| Persons who completed temporary jobs ................................ | 294 | 100.0 | 38.1 | 46.4 | 15.5 | 5.4 | 10.1 |
| Job leavers ............................................................................. | 302 | 100.0 | 44.9 | 35.1 | 20.0 | 13.2 | 6.8 |
| Reentrants | 525 | 100.0 | 35.9 | 24.7 | 39.4 | 12.5 | 26.8 |
| New entrants | 41 | 100.0 | $\left({ }^{1}\right)$ | $\left({ }^{1}\right)$ | $\left(^{1}\right)$ | ( ${ }^{1}$ ) | $\left({ }^{1}\right)$ |
| Women, 20 years and over ............................................... | 2,065 | 100.0 | 36.3 | 33.1 | 30.6 | 16.0 | 14.6 |
| Job losers and persons who completed temporary jobs ............... | 987 | 100.0 | 38.3 | 33.8 | 27.9 | 17.4 | 10.6 |
| On temporary layoff | 294 | 100.0 | 54.5 | 30.2 | 15.3 | 6.8 | 8.5 |
| Not on temporary layoff | 693 | 100.0 | 31.4 | 35.3 | 33.3 | 21.9 | 11.5 |
| Permanent job losers | 513 | 100.0 | 26.5 | 40.6 | 33.0 | 22.4 | 10.6 |
| Persons who completed temporary jobs | 180 | 100.0 | 45.4 | 20.3 | 34.3 | 20.4 | 13.9 |
| Job leavers | 263 | 100.0 | 36.9 | 41.3 | 21.9 | 10.9 | 11.0 |
| Reentrants | 725 | 100.0 | 34.8 | 29.2 | 36.0 | 16.1 | 20.0 |
| New entrants | 89 | 100.0 | 25.3 | 33.2 | 41.5 | 16.1 | 25.3 |
| Both sexes, 16 to 19 years ................................................... | 990 | 100.0 | 47.4 | 35.1 | 17.5 | 8.9 | 8.6 |
| Job losers and persons who completed temporary jobs ............... | 219 | 100.0 | 52.8 | 42.1 | 5.0 | 3.2 | 1.8 |
| On temporary layoff ............................................................... | 61 | 100.0 | ( ${ }^{1}$ ) | (1) | $\left({ }^{1}\right)$ | ( ${ }^{1}$ ) | (1) |
| Not on temporary layoff .......................................................... | 158 | 100.0 | 44.0 | 51.3 | 4.7 | 2.1 | 2.6 |
| Permanent job losers ............................................................ | 99 | 100.0 | 50.9 | 43.7 | 5.4 | 3.4 | 2.0 |
| Persons who completed temporary jobs ................................. | 59 | 100.0 | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ |
| Job leavers ............................................................................. | 63 | 100.0 | (1) | $(1)$ | (1) | (1) | (1) |
| Reentrants ............................................................................ | 456 | 100.0 | 48.8 | 30.5 | 20.7 | 11.7 | 8.9 |
| New entrants ..................................................................... | 252 | 100.0 | 33.0 | 40.0 | 27.1 | 11.0 | 16.0 |

1 Data not shown where base is less than 75,000 .
procedures and revised population controls used in the household survey
NOTE: Beginning in January 1998, data reflect new composite estimation

## A-33. Unemployed total and full-time workers by duration of unemployment

| Duration of unemployment | Total |  |  |  | Full-time workers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Percent distribution |  | Thousands of persons |  | Percent distribution |  |
|  | Dec. <br> 1997 | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| Total, 16 years and over ................................. | 5,957 | 5,565 | 100.0 | 100.0 | 4,846 | 4,452 | 100.0 | 100.0 |
| Less than 5 weeks .......................................... | 2,243 | 2,299 | 37.7 | 41.3 | 1,721 | 1,702 | 35.5 | 38.2 |
| 5 to 14 weeks ................................................ | 1,949 | 1,817 | 32.7 | 32.7 | 1,588 | 1,500 | 32.8 | 33.7 |
| 5 to 10 weeks .............................................. | 1,372 | 1,306 | 23.0 | 23.5 | 1,116 | 1,070 | 23.0 | 24.0 |
| 11 to 14 weeks ............................................. | 577 | 512 | 9.7 | 9.2 | 471 | 430 | 9.7 | 9.7 |
| 15 weeks and over ......................................... | 1,765 | 1,449 | 29.6 | 26.0 | 1,538 | 1,250 | 31.7 | 28.1 |
| 15 to 26 weeks ............................................ | 832 | 680 | 14.0 | 12.2 | 708 | 582 | 14.6 | 13.1 |
| 27 weeks and over ........................................ | 933 | 769 | 15.7 | 13.8 | 830 | 668 | 17.1 | 15.0 |
| 27 to 51 weeks ........................................... | 380 | 326 | 6.4 | 5.9 | 327 | 270 | 6.8 | 6.1 |
| 52 weeks and over ..................................... | 553 | 443 | 9.3 | 8.0 | 502 | 397 | 10.4 | 8.9 |
| Average (mean) duration, in weeks .................... | 16.0 | 14.1 | - | - | 17.1 | 15.2 | - | - |
| Median duration, in weeks ................................ | 7.4 | 6.7 | - | - | 8.0 | 7.4 | - | - |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

A-34. Unemployed persons by age, sex, race, marital status, and duration of unemployment

| Sex, age, race, and marital status | December 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  |  |  |  | Weeks |  |
|  | Total | Less than 5 weeks | 5 to 14 weeks | 15 weeks and over |  |  | Average (mean) duration | Median duration |
|  |  |  |  | Total | 15 to 26 weeks | 27 weeks and over |  |  |
| TOTAL |  |  |  |  |  |  |  |  |
| Total, 16 years and over ...................................... | 5,565 | 2,299 | 1,817 | 1,449 | 680 | 769 | 14.1 | 6.7 |
| 16 to 19 years ....................................................... | 990 | 469 | 348 | 173 | 88 | 85 | 10.2 | 5.4 |
| 20 to 24 years ..................................................... | 880 | 445 | 255 | 180 | 80 | 100 | 11.5 | 4.4 |
| 25 to 34 years ....................................................... | 1,267 | 493 | 413 | 360 | 171 | 189 | 14.8 | 7.1 |
| 35 to 44 years ....................................................... | 1,205 | 448 | 412 | 345 | 162 | 183 | 15.4 | 7.3 |
| 45 to 54 years... | 750 | 256 | 264 | 229 | 102 | 128 | 16.6 | 8.4 |
| 55 to 64 years ....................................................... | 331 | 110 | 101 | 120 | 60 | 60 | 19.7 | 9.6 |
| 65 years and over ................................................. | 142 | 77 | 25 | 40 | 15 | 25 | 16.4 | 4.2 |
| Men, 16 years and over ....................................... | 3,125 | 1,372 | 999 | 754 | 324 | 430 | 14.0 | 6.2 |
| 16 to 19 years ....................................................... | 615 | 292 | 213 | 110 | 63 | 46 | 10.5 | 5.5 |
| 20 to 24 years ................................................... | 524 | 290 | 149 | 85 | 27 | 59 | 11.2 | 4.9 |
| 25 to 34 years | 673 | 282 | 221 | 170 | 66 | 104 | 15.1 | 6.5 |
| 35 to 44 years ....................................................... | 621 | 243 | 212 | 166 | 72 | 94 | 14.9 | 7.1 |
| 45 to 54 years ......................................................... | 410 | 144 | 137 | 129 | 54 | 75 | 16.6 | 8.2 |
| 55 to 64 years .............. | 210 | 81 | 53 | 77 | 36 | 41 | 20.0 | 8.8 |
| 65 years and over ................................................... | 71 | 40 | 14 | 17 | 5 | 12 | ( ${ }^{\text {) }}$ | ( ${ }^{1}$ |
| Women, 16 years and over ...... | 2,440 | 927 | 818 | 695 | 356 | 339 | 14.3 | 7.4 |
| 16 to 19 years | 375 | 177 | 135 | 63 | 25 | 39 | 9.6 | 5.3 |
| 20 to 24 years | 356 | 155 | 106 | 95 | 53 | 42 | 11.9 | 6.7 |
| 25 to 34 years ....................................................... | 593 | 211 | 192 | 190 | 105 | 85 | 14.3 | 8.0 |
| 35 to 44 years ....................................................... | 585 | 205 | 200 | 180 | 90 | 89 | 16.1 | 7.6 |
| 45 to 54 years ....................................................... | 340 | 113 | 127 | 100 | 47 | 53 | 16.5 | 8.6 |
| 55 to 64 years | 120 | 30 | 47 | 44 | 24 | 19 | 19.0 | 10.7 |
| 65 years and over.. | 71 | 36 | 11 | 23 | 10 | 13 | $\left({ }^{1}\right)$ | ( ${ }^{1}$ |
| Race |  |  |  |  |  |  |  |  |
| White, 16 years and over ..................................... | 4,149 | 1,832 | 1,346 | 971 | 465 | 506 | 12.9 | 5.9 |
| Men ...... | 2,394 | 1,110 | 752 | 531 | 242 | 289 | 12.8 | 5.4 |
| Women | 1,755 | 722 | 594 | 440 | 223 | 217 | 12.9 | 6.4 |
| Black, 16 years and over .......... | 1,143 | 354 | 372 | 417 | 188 | 230 | 18.9 | 10.2 |
| Men .................................. | 578 | 182 | 199 | 196 | 76 | 120 | 19.3 | 9.8 |
| Women | 565 | 171 | 173 | 221 | 112 | 109 | 18.6 | 10.8 |
| Marital status |  |  |  |  |  |  |  |  |
| Men, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present ........................................... | 1,030 | 424 | 334 | 271 | 129 | 142 | 13.7 | 6.9 |
| Widowed, divorced, or separated ............................ | 462 | 216 | 131 | 115 | 42 | 72 | 14.9 | 5.3 |
| Single (never married) ........................................... | 1,633 | 732 | 533 | 368 | 152 | 216 | 14.0 | 6.0 |
| Women, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present ........................................... | 849 | 340 | 282 | 227 | 130 | 97 | 13.8 | 6.5 |
| Widowed, divorced, or separated ............................ | 611 | 222 | 202 | 188 | 88 | 100 | 16.0 | 8.0 |
| Single (never married) ............................................. | 980 | 365 | 335 | 281 | 139 | 142 | 13.7 | 7.5 |

${ }^{1}$ Data not shown where base is less than 75,000 .
procedures and revised population controls used in the household survey.
NOTE: Beginning in January 1998, data reflect new composite estimation

A-35. Unemployed persons by occupation, industry, and duration of unemployment

| Occupation and industry | December 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  |  |  |  | Weeks |  |
|  | Total | $\begin{gathered} \text { Less } \\ \text { than } \\ 5 \text { weeks } \end{gathered}$ | 5 to 14 weeks | 15 weeks and over |  |  | Average (mean) duration | Median duration |
|  |  |  |  | Total | 15 to 26 weeks | 27 weeks and over |  |  |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Manageriai and protessional specialty .................................... | 665 | 239 | 221 | 205 | 87 | 118 | 16.7 | 9.2 |
| Technical, sales, and administrative support ............................ | 1,319 | 536 | 429 | 354 | 193 | 160 | 13.7 | 7.1 |
| Service occupations ........................................................... | 1,061 | 422 | 328 | 312 | 130 | 182 | 15.5 | 6.9 |
| Precision production, craft, and repair ..................................... | 503 | 258 | 142 | 102 | 52 | 50 | 10.5 | 4.4 |
| Operators, fabricators, and laborers ....................................... | 1,274 | 574 | 418 | 281 | 140 | 141 | 12.6 | 5.8 |
| Farming, forestry, and tishing ................................................. | 355 | 156 | 130 | 68 | 32 | 36 | 13.0 | 6.1 |
| INDUSTRY ${ }^{1}$ |  |  |  |  |  |  |  |  |
| Agriculture ........................................................................ | 234 | 103 | 97 | 34 | 14 | 20 | 11.9 | 5.8 |
| Construction ...................................................................... | 468 | 241 | 126 | 101 | 41 | 60 | 13.1 | 4.4 |
| Manufacturing .................................................................... | 814 | 339 | 269 | 207 | 138 | 69 | 12.4 | 6.5 |
| Durable goods ................................................................. | 417 | 168 | 145 | 104 | 63 | 41 | 13.4 | 6.6 |
| Nondurable goods ............................................................ | 397 | 171 | 123 | 103 | 75 | 28 | 11.3 | 6.2 |
| Transportation and public utilities ........................................... | 718 | 129 | 63 | 50 | 12 | 38 | 12.9 | 4.2 |
| Wholesale and retail trade .................................................... | 4,034 | 569 | 441 | 329 | 158 | 171 | 13.5 | 6.6 |
| Finance, insurance, and real estate ....................................... | 740 | 61 | 111 | 71 | 28 | 42 | 15.9 | 9.4 |
| Services ............................................................................ | 2,815 | 605 | 451 | 437 | 195 | 241 | 14.9 | 6.8 |
| Public administration .......................................................... | 309 | 30 | 30 | 43 | 21 | 21 | 19.5 | 11.1 |
| No previous work experience ............................................... | 381 | 110 | 145 | 127 | 45 | 82 | 18.9 | 9.9 |

${ }^{1}$ Includes wage and salary workers only.
NOTE: Beginning in January 1998, data reflect new composite estimation

A-36. Persons not in the labor force by desire and availability for work, age, and sex
(in thousands)

| Category | Total |  | Age |  |  |  |  |  | Sex |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | 16 to 24 years |  | 25 to 54 years |  | 55 years and over |  | Men |  | Women |  |
|  |  |  | Dec. $1997$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1997 \end{gathered}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| Total not in the labor force | 67,356 | 67,973 | 11,932 | 12,031 | 18,517 | 18,521 | 36,908 | 37,421 | 25,072 | 25,254 | 42,284 | 42.719 |
| Do not want a job now ${ }^{1}$ | 62,967 | 63,786 | 10,256 | 10,529 | 16,591 | 16,638 | 36,119 | 36,619 | 23,244 | 23,492 | 39,722 | 40,293 |
| Want a job ${ }^{1}$................. | 4,390 | 4,187 | 1,675 | 1,502 | 1,926 | 1,883 | 789 | 802 | 1,828 | 1,762 | 2,562 | 2.425 |
| Did not search for work in previous year ........................ | 2,391 | 2,463 | 802 | 811 | 1,043 | 1,058 | 547 | 595 | 923 | 1,032 | 1,468 | 1,432 |
| Searched for work in previous year2 ............................ | 1,999 | 1,724 | 874 | 692 | 883 | 825 | 242 | 207 | 905 | 730 | 1,094 | 994 |
| Not available to work now .......................................... | 546 | 527 | 317 | 273 | 202 | 220 | 28 | 35 | 237 | 182 | 309 | 345 |
| Available to work now .............................................. | 1,453 | 1,196 | 557 | 419 | 681 | 605 | 215 | 172 | 668 | 548 | 785 | 649 |
| Reason not currently looking: Discouragement over job prospects ${ }^{3}$...................... | 345 | 358 | 92 | 107 | 189 | 187 | 63 | 64 | 185 | 214 | 160 | 145 |
| Reasons other than discouragement ....................... | 1,108 | 838 | 465 | 312 | 492 | 419 | 152 | 108 | 483 | 334 | 625 | 504 |
| Family responsibilities ........................................ | 110 | 76 | 25 | 18 | 66 | 55 | 19 | 3 | 12 | 7 | 97 | 70 |
| In school or training ............................................ | 248 | 194 | 211 | 159 | 37 | 23 | - | - | 120 | 83 | 128 | 110 |
| III health or disability ........................................... | 121 | 87 | 16 | 5 | 64 | 64 | 41 | 18 | 49 | 34 | 72 | 52 |
| Other ${ }^{4}$.............................................................. | 630 | 481 | 212 | 130 | 326 | 277 | 91 | 75 | 302 | 210 | 327 | 271 |

[^9]4 Includes those who did not actively look for work in the prior 4 weeks for such reasons as child-care and transportation problems, as well as a small number for which reason for nonparticipation was not ascertained.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## A-37. Multiple jobholders by selected demographic and economic characteristics

(Numbers in thousands)

| Characteristic | Both sexes |  |  |  | Men |  |  |  | Women |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number |  | Rate ${ }^{\text {1 }}$ |  | Number |  | Rate ${ }^{1}$ |  | Number |  | Rate ${ }^{1}$ |  |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | Dec. <br> 1998 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | Dec. <br> 1998 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | Dec. 1998 <br> 1998 | Dec. 1997 | Dec. <br> 1998 | Dec. 1997 | Dec. $1998$ |
| AGE <br> Total, 16 years and over ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 8,108 | 8,220 | 6.2 | 6.2 | 4,212 | 4,163 | 6.0 | 5.9 | 3,896 | 4,057 | 6.4 | 6.6 |
| 16 to 19 years ............................................................... | 311 | 324 | 4.7 | 4.6 | 133 | 138 | 4.0 | 4.0 | 178 | 186 | 5.4 | 5.3 |
| 20 years and over ............................................................ | 7,797 | 7,896 | 6.3 | 6.3 | 4,079 | 4,025 | 6.1 | 6.0 | 3,718 | 3,871 | 6.4 | 6.6 |
| 20 to 24 years ................................................................ | 859 | 770 | 6.9 | 6.1 | 374 | 338 | 5.8 | 5.1 | 486 | 432 | 8.1 | 7.3 |
| 25 years and over ........................................................... | 6,938 | 7,125 | 6.2 | 6.3 | 3,706 | 3,687 | 6.2 | 6.1 | 3,232 | 3,439 | 6.3 | 6.6 |
| 25 to 54 years .............................................................. | 6,195 | 6,281 | 6.5 | 6.5 | 3,227 | 3,244 | 6.3 | 6.3 | 2,969 | 3,037 | 6.7 | 6.8 |
| 55 years and over ........................................................ | 742 | 844 | 4.5 | 5.0 | 479 | 442 | 5.2 | 4.7 | 263 | 402 | 3.5 | 5.3 |
| 55 to 64 years ........................................................... | 634 | 720 | 5.0 | 5.5 | 406 | 357 | 5.9 | 5.0 | 228 | 363 | 3.9 | 6.0 |
| 65 years and over ..................................................... | 109 | 125 | 2.8 | 3.2 | 73 | 85 | 3.2 | 3.8 | 36 | 39 | 2.2 | 2.4 |
| RACE AND HISPANIC ORIGIN |  |  |  |  |  |  |  |  |  |  |  |  |
| White .......................................................................... | 6,935 | 7,003 | 6.3 | 6.3 | 3,648 | 3,567 | 6.1 | 5.9 | 3,287 | 3,436 | 6.5 | 6.7 |
| Black .............................................................................. | 827 | 956 | 5.8 | 6.4 | 374 | 478 | 5.6 | 6.9 | 453 | 477 | 5.9 | 5.9 |
| Hispanic origin ............................................................... | 516 | 543 | 4.0 | 4.1 | 316 | 303 | 4.0 | 3.8 | 200 | 240 | 3.9 | 4.5 |
| MARITAL STATUS |  |  |  |  |  |  |  |  |  |  |  |  |
| Married, spouse present .................................................. | 4,563 | 4,488 | 6.0 | 5.8 | 2,711 | 2,623 | 6.3 | 6.0 | 1,852 | 1,865 | 5.6 | 5.6 |
| Widowed, divorced, or separated ....................................... | 1,364 | 1,434 | 6.7 | 6.9 | 453 | 467 | 5.6 | 5.5 | 910 | 967 | 7.4 | 7.8 |
| Single (never married) ..................................................... | 2,181 | 2,298 | 6.4 | 6.6 | 1,048 | 1,073 | 5.6 | 5.6 | 1,133 | 1,225 | 7.4 | 7.7 |
| FULL- OR PART-TIME STATUS |  |  |  |  |  |  |  |  |  |  |  |  |
| Primary job full time, secondary job part time ...................... | 4,574 | 4,561 | - | - | 2,680 | 2,574 | - | - | 1,894 | 1,988 | - | - |
| Primary and secondary jobs both part time ......................... | 1,779 | 1,778 | - | - | 570 | 522 | - | - | 1,210 | 1,255 | - | - |
| Primary and secondary jobs both full time .......................... | 231 | 233 | - | - | 148 | 149 | - | - | 83 | 84 | - | - |
| Hours vary on primary or secondary job .............................. | 1,487 | 1,613 | - | - | 795 | 898 | - | - | 693 | 715 | - | - |

${ }^{1}$ Multiple jobholders as a percent of all employed persons in spacified group.

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

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. Beginning in January 1998, data reflect new composite estimation procedures and reviseci population controls used in the household survey.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
A-38. Encployment status of male Vietnam-era veterans and nonveterans by age
(Numbers in thousands)

| Veteran status and age | Civilian noninstitutional population |  | Civilian labor force |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | Total |  | Employed |  | Unemployed |  |  |  |
|  |  |  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | Number |  | Percent of labor force |  |
|  |  |  |  |  |  |  | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \end{aligned}$ |
| VIETNAM-ERA VETERANS |  |  |  |  |  |  |  |  |  |  |
| Total, 40 years and over ............................... | 7,781 | 7,774 | 6,637 | 6,446 | 6,468 | 6,293 | 169 | 153 | 2.5 | 2.4 |
| 40 to 54 years .......................................... | 6,129 | 5,756 | 5,532 | 5,094 | 5,391 | 4,967 | 141 | 126 | 2.5 | 2.5 |
| 40 to 44 years ....................................... | 850 | 610 | 757 | 542 | 748 | 517 | 9 | 24 | 1.2 | 4.4 |
| 45 to 49 years ....................................... | 2,458 | 2,054 | 2,232 | 1,852 | 2,174 | 1,807 | 58 | 46 | 2.6 | 2.5 |
| 50 to 54 years ....................................... | 2,821 | 3,092 | 2,542 | 2,700 | 2,469 | 2,643 | 73 | 57 | 2.9 | 2.1 |
| 55 years and over ..................................... | 1,652 | 2,018 | 1,105 | 1,353 | 1,077 | 1,325 | 28 | 27 | 2.5 | 2.0 |
| NONVETERANS |  |  |  |  |  |  |  |  |  |  |
| Total, 40 to 54 years ................................... | 19,873 | 20,690 | 17,954 | 18,736 | 17,385 | 18,213 | 569 | 523 | 3.2 | 2.8 |
| 40 to 44 years .......................................... | 9,144 | 9,344 | 8,409 | 8,614 | 8,141 | 8,382 | 267 | 231 | 3.2 | 2.7 |
| 45 to 49 years ......................................... | 6,512 | 7.006 | 5,916 | 6,374 | 5,748 | 6,168 | 168 | 206 | 2.8 | 3.2 |
| 50 to 54 years .......................................... | 4,217 | 4,339 | 3,629 | 3,749 | 3,496 | 3,663 | 133 | 86 | 3.7 | 2.3 |

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces. Beginning in January 1998, data
reflect new composite estimation procedures and revised population controis used in the household survey.

# Need information from the Bureau of Labor Statistics? 

You can get it now on the WEB.


Here are the Bureau's addresses.
Bureau of Labor Statistics http://stats.bls.govDivision of Information Serviceshttp://stats.bls.gov/opbinfo.htmBLS Regional Officeshttp://stats.bls.gov/regnhome.htm
Employment and Unemployment:
National establishment data http://stats.bls.gov/ceshome.htm
State and area establsihment data http://stats.bls.gov/790home.htm
National labor force data http://stats.bls.gov/cpshome.htm
Region, State, and metropolitan area labor force data http://stats.bls.gov/lauhome.htm
Longitudinal researchhttp://stats.bls.gov/nlshome.htm
Covered employment and wages http://stats.bls.gov/cewhome.htmhttp://stats.bls.gov/oeshome.htm
Mass layoff statisticshttp://stats.bls.gov/lauhome.htm
Prices and Living Conditions:
Consumer price indexes htp://stats.bls.gov/cpinome.him
http://stats.bls.gov/cpihome.htm
Producer price indexes
$\qquad$http://stats.bls.gov/ppihome.htm
Consumer Expenditure Survey http://stats.bls.gov/csxhome.htm
Compensation and Working Conditions:National Compensation Surveyhttp://stats.bls.gov/comhome.htm
Collective bargaining.
$\qquad$ http://stats.bls.gov/comhome.htmEmployment cost trends
$\qquad$ p://stats.bls.gov/mrhome.htmEmployee Benefits Surveyhttp://stats.bls.gov/ecthome.htm
http://stats.bls.gov/ebshome.htmOccupational Compensation SurveyOccupational injuries and illnesseshttp://stats.bls.gov/ocshome.htmhttp://stats.bls.gov/oshhome.htm
Productivity:
Quarterly labor productivity

$\qquad$
http://stats.bls.gov/lprhome.htmIndustry productivityhttp://stats.bls.gov/iprhome.htm
Federal Government productivity

$\qquad$
http://stats.bls.gov/gprhome.htmMultifactor productivityhttp://stats.bls.gov/mprhome.htm
Employment Projections http://stats.bls.gov/emphome.htm
International data:
Foreign labor statistics http://stats.bls.gov/flshome.htm
U.S. import and export price indexes http://stats.bls.gov/ipphome.htm
Foreign direct investment

$\qquad$
http://stats.bls.gov/fdihome.htm


## B-1. Employees on nonfarm payrolls by major industry, 1947 to date

(In thousands)

| Year and month | Total | Total private | Goods-producing |  |  |  | Service-producing |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | Transpor- |  |  | Finance, |  |  | vernmen |  |
|  |  |  | Total | Mining | Construc- tion | Manufacturing | Total | and public utilities | $\begin{aligned} & \text { sale } \\ & \text { trade } \end{aligned}$ | Retail trade | and real estate | Services | Federal | State | Local |
|  | Annual averages |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 43,857 | 38,382 | 18,509 | 955 | 2,009 | 15,545 | 25,348 | 4,166 | 2,478 | 6,477 | 1.728 | 5,025 | 1,892 | (1) | (1) |
|  | 44,86643,754 | 37,897 | 18,774 | 994930 | 2,198$\mathbf{2 , 1 9 4}$ | 15.58214,441 | 26,189 | 4,001 | 2,610 | 6,654 | 1,828 | 5,181 | 1,863 | (1) |  |
|  |  |  | 17,565 |  |  |  |  |  |  |  |  | 5,239 | 1,908 |  | (1) |
| 1950 | 45,197 | 39,170 | 18,506 | 901 | 2.364 | 15,241 | 26,691 | 4.034 | 2,643 | 6,743 | 1.888 | 5,356 | 1,928 | (1) | (1) |
| 1951 | 47.819 | 41,430 | 19,959 | 929 | 2,637 | 16,393 | 27,860 | 4,226 | 2,735 | 7,007 | 1,956 | 5,547 | 2,302 | (1) | (1) |
| 1952 | 48,793 | 42,185 | 20,198 | 898 | 2,668 | 16,632 | 28,595 | 4,248 | 2,821 | 7.184 | 2,035 | 5,699 | 2,420 | (1) | (1) |
| 1953 | 50,202 | 43,556 | 21,074 | 866 | 2,659 | 17.549 | 29.128 | 4,290 | 2,862 | 7.385 | 2.111 | 5,835 | 2,305 | (1) | (1) |
| 1954 | 48,990 | 42,238 | 19,751 | 791 | 2.646 | 16,314 | 29,239 | 4,084 | 2.875 | 7,360 | 2,200 | 5,969 | 2,188 | (1) | (1) |
| 1955 | 50,641 | 43,727 | 20,513 | 792 | 2,839 | 16,882 | 30,128 | 4,141 | 2,934 | 7,601 | 2,298 | 6,240 | 2,187 | 1,168 | 3.558 |
| 1956 | 52,369 | 45,091 | 21,104 | 822 | 3,039 | 17,243 | 31,264 | 4,244 | 3,027 | 7,831 | 2,389 | 6,497 | 2,209 | 1,250 | 3,819 |
| 1957 | 52,855 | 45,239 | 20,967 | 828 | 2,962 | 17,776 | 31,889 | 4,241 | 3,037 | 7.848 | 2.438 | 6,708 | 2,217 | 1,328 | 4,071 |
| 1958 | 51,322 | 43,483 | 19,513 | 751 | 2.817 | 15,945 | 31.811 | 3,976 | 2.989 | 7,761 | 2,481 | 6.765 | 2,191 | 1.415 | 4,230 |
| $1959{ }^{2}$ | 53,270 | 45,186 | 20,411 | 732 | 3,004 | 16,675 | 32,857 | 4,011 | 3,092 | 8,035 | 2,549 | 7,087 | 2,233 | 1,484 | 4,366 |
| 1960 | 54,189 | 45,836 | 20,434 | 712672 | $\begin{aligned} & 2,926 \\ & 2,859 \end{aligned}$ | $\begin{aligned} & 16,796 \\ & 16,326 \end{aligned}$ | 33,755 | 4,004 | 3,153 | 8,238 | 2,628 | 7,378 | 2,270 | 1,536 | 4,547 |
| 1961 | 53,999 | 45,404 | 19,857 |  |  |  | 34,142 | 3,903 | 3,142 | 8,195 | 2,688 | 7.619 | 2,279 | 1,607 | 4,708 |
| 1962 | 55,549 | 46,660 | 20,451 | 650 | 2,948 | 16,853 | 35,098 | 3,906 | 3,207 | 8,359 | 2.754 | 7,982 | 2,340 | 1.668 | 4,881 |
| 1963 | 56,653 | 47,429 | 20,640 | 635 | 3,010 | 16,995 | 36,013 | 3,903 | 3,258 | 8,520 | 2.830 | 8,277 | 2.358 | 1,747 | 5,121 |
| 1964 | 58,283 | 48,686 | 21,005 | 634 | 3,097 | 17,274 | 37.278 | 3,951 | 3.347 | 8,812 | 2,911 | 8,660 | 2,348 | 1,856 | 5,392 |
| 1965 | 60,763 | 50.689 | 21,926 | 632 | 3,232 | 18,062 | 38,839 | 4,036 | 3,477 | 9,239 | 2,977 | 9,036 | 2,378 | 1,996 | 5,700 |
| 1966 | 63,901 | 53,116 | 23,158 | 627 | 3,317 | 19,214 | 40,743 | 4,158 | 3,608 | 9,637 | 3,058 | 9,498 | 2,564 | 2,141 | 6,080 |
| 1967 | 65,803 | 54,413 | 23,308 | 613 | 3,248 | 19,447 | 42,495 | 4,268 | 3,700 | 9,906 | 3.185 | 10,045 | 2,719 | 2,302 | 6,371 |
| 1968 | 67,897 | 56,058 | 23,737 | 606 | 3,350 | 19,781 | 44,158 | 4,318 | 3,791 | 10,308 | 3,337 | 10.567 | 2,737 | 2,442 | 6,660 |
| 1969 | 70,384 | 58,189 | 24,361 | 619 | 3,575 | 20,167 | 46,023 | 4,442 | 3,919 | 10,785 | 3,512 | 11,169 | 2,758 | 2,533 | 6,904 |
| 1970 | $\begin{aligned} & 70,888 \\ & 71,211 \end{aligned}$ | $\begin{aligned} & 58,325 \\ & 58,331 \end{aligned}$ | 23,578 | $\begin{aligned} & 623 \\ & 609 \end{aligned}$ | 3,588 | $\begin{aligned} & 19,367 \\ & 18,623 \end{aligned}$ | 47,302 | 4.515 | 4,006 | 11,034 | 3,645 | 11,548 | 2,731 | 2,664 | 7,158 |
| 1971 |  |  | $\begin{aligned} & 22,9355 \\ & 23,668 \end{aligned}$ |  | 3,704 |  | $\begin{aligned} & 48,276 \\ & 50,007 \end{aligned}$ | $\begin{aligned} & 4.476 \\ & 4.541 \end{aligned}$ | $\begin{aligned} & 4,014 \\ & 4,127 \end{aligned}$ | $\begin{aligned} & 11,338 \\ & 11,922 \end{aligned}$ | $\begin{aligned} & 3,772 \\ & 3,908 \end{aligned}$ | $\begin{aligned} & 11,797 \\ & 12,276 \end{aligned}$ | 2,696 | $\begin{aligned} & 2.747 \\ & 2,859 \end{aligned}$ | 7.437 |
| 1972 | $\begin{aligned} & 71,211 \\ & 73,675 \end{aligned}$ | 60,341 |  | $\begin{aligned} & 628 \\ & 642 \end{aligned}$ | 3,889 | $\begin{aligned} & 19,151 \\ & 20,154 \end{aligned}$ |  |  |  |  |  |  | 2,684 |  | 7,790 |
| 1973 | 76,79078,265 | 63,058 | $\begin{aligned} & 23,668 \\ & 24,893 \end{aligned}$ |  | 4,097 |  | 51,89753,471 | $4,656$ | $4,291$ | $\begin{aligned} & 11,822 \\ & 12,315 \end{aligned}$ | $4,046$ | $\begin{aligned} & 12,276 \\ & 12,857 \end{aligned}$ | 2,663 | $\begin{aligned} & 2,903 \\ & \hline, 039 \end{aligned}$ | $\begin{aligned} & 8,146 \\ & 8,407 \end{aligned}$ |
| 1974 |  | 64,09562,259 | $\begin{aligned} & 24,794 \\ & 22,600 \end{aligned}$ | $\begin{aligned} & 697 \\ & 752 \end{aligned}$ | $\begin{aligned} & 4,020 \\ & 3,525 \end{aligned}$ | $\begin{aligned} & 20,077 \\ & 18,323 \end{aligned}$ |  | $\begin{aligned} & 4.725 \\ & 4.542 \end{aligned}$ | $\begin{aligned} & 4,447 \\ & 4,430 \end{aligned}$ | $\begin{aligned} & 12,539 \\ & 12,630 \end{aligned}$ | 4,148 | $\begin{aligned} & 13,441 \\ & 13,892 \end{aligned}$ | $2,724$ |  |  |
| 1975 | 76,94579,382 |  |  |  |  |  | $\begin{aligned} & 54,345 \\ & 56,030 \end{aligned}$ |  |  |  | 4,165 |  | $\begin{aligned} & 2,748 \\ & 2,748 \end{aligned}$ | $3,179$ | 8,758 |
| 1976 |  | 64,511 67,344 | $\begin{aligned} & 23,352 \\ & 24,346 \end{aligned}$ | 779 | $\begin{aligned} & 3,576 \\ & 3,851 \end{aligned}$ | 18,997 |  | 4,582 | 4,562 | 13,193 | 4,271 | 14,551 | 2,733 | $3,273$ | 8,865 |
| 1977 | 82,471 |  |  | 813 |  | $\begin{aligned} & 19,682 \\ & 20,505 \\ & 21,040 \end{aligned}$ | $\begin{aligned} & 58,125 \\ & 61,113 \end{aligned}$ | 4,713 | 4,723 | 13,792 | 4,467 | 15,302 | $\mathbf{2 , 7 2 7}$ | $3,377$ | 9,023 |
| 1978 | $\begin{aligned} & 86697 \\ & 89,823 \end{aligned}$ | $\begin{aligned} & 71,026 \\ & 73,876 \end{aligned}$ | $\begin{aligned} & 25,585 \\ & 26,461 \end{aligned}$ | $\begin{aligned} & 851 \\ & 958 \end{aligned}$ | $\begin{aligned} & 4,229 \\ & 4,463 \end{aligned}$ |  |  | 4.923 | 4,985 | 14,556 | 4,724 | 16,252 | 2,753 | 3,474 | 9,446 |
| 1979 |  |  |  |  |  |  | 63,363 | 5,136 | 5,221 | 14,972 | 4,975 | 17,112 | 2,773 | 3,541 | 9,633 |
| 1980 | 90,406 | 74,166 | 25,658 | 1.027 | 4,346 | 20,285 | 64,748 | 5.146 | 5,292 | 15.018 | 5.160 | 17,890 | 2.866 | 3.610 | 9,765 |
| 1981 | 91,152 | 75,121 | 25,497 | 1,139 | 4,188 | 20,170 | 65,655 | 5,165 | 5,375 | 15,171 | 5,298 | 18,615 | 2,772 | 3,640 | 9,619 |
| 1982 | 89,544 | 73,707 | 23,812 | 1,128 | 3,904 | 18,780 | 65,732 | 5,081 | 5,295 | 15,158 | 5,340 | 19,021 | 2,739 | 3,640 | 9,458 |
| 1983 | 90,152 | 74,282 | 23,330 | 952 | 3,946 | 18,432 | 66,821 | 4,952 | 5,283 | 15,587 | 5,466 | 19,664 | 2,774 | 3,662 | 9,434 |
| 1984 | 94,408 | 78,384 | 24,718 | 966 | 4,380 | 19,372 | 69,690 | 5,156 | 5,568 | 16,512 | 5,684 | 20,746 | 2,807 | 3,734 | 9,482 |
| 1985 | 97,387 | 80,992 | 24,842 | 927 | 4,668 | 19,248 | 72,544 | 5,233 | 5.727 | 17,315 | 5,948 | 21,927 | 2,875 | 3,832 | 9,687 |
| 1986 | 99,344 | 82,651 | 24.533 | 777 | 4,810 | 18,947 | 74,811 | 5,247 | 5,761 | 17,880 | 6,273 | 22.957 | 2,899 | 3,893 | 9,901 |
| 1987 | 101,958 | 84,948 | 24.674 | 717 | 4,958 | 18,999 | 77.284 | 5,362 | 5,848 | 18,422 | 6,533 | 24,110 | 2,943 | 3,967 | 10,100 |
| 1988 | 105,209 | 87.823 | 25,125 | 713 | 5,098 | 19,314 | 80,084 | 5,512 | 6,030 | 19,023 | 6,630 | 25,504 | 2,971 | 4,076 | 10,339 |
| 1989 | 107,884 | 90,105 | 25,254 | 692 | 5,171 | 19,391 | 82,630 | 5.614 | 6.187 | 19,475 | 6.668 | 26.907 | 2,988 | 4,182 | 10,609 |
| 1990. | 109,403 | 91,098 | 24,905 | 709 | 5,120 | 19,076 | 84.497 | 5,777 | 6,173 | 19,601 | 6,709 | 27,934 | 3,085 | 4,305 | 10,914 |
| 1991 | 108.249 | 89,847 | 23,745 | 689 | 4.650 | 18,406 | 84.504 | 5,755 | 6,081 | 19,284 | 6,646 | 28,336 | 2,966 | 4.355 | 11,081 |
| 1992 | 108.601 | 89,956 | 23.231 | 635 | 4.492 | 18,104 | 85,370 | 5,718 | 5,997 | 19,356 | 6,602 | 29.052 | 2,969 | 4,408 | 11,267 |
| 1993 | 110,713 | 91,872 | 23,352 | 610 | 4,668 | 18,075 | 87,361 | 5,811 | 5,981 | 19,773 | 6,757 | 30,197 | 2,915 | 4.488 | 11.438 |
| 1994 | 114,163 | 95,036 | 23,908 | 601 | 4,986 | 18,321 | 90,256 | 5,984 | 6,162 | 20,507 | 6,896 | 31,579 | 2,870 | 4,576 | 11,682 |
| 1995 | 117,191 | 97,885 | 24,265 | 581 | 5,160 | 18,524 | 92,925 | 6,132 | 6,378 | 21,187 | 6,806 | 33,117 | 2,822 | 4.635 | 11,849 |
| 1996 | 119,608 | 100,189 | 24,493 | 580 | 5,418 | 18,495 | 95,115 | 6,253 | 6,482 | 21.597 | 6,911 | 34,454 | 2,757 | 4,606 | 12,056 |
| 1997 | 122,690 | 103,120 | 24,934 | 592 | 5.686 | 18,657 | 97,756 | 6,395 | 6,648 | 22,011 | 7,091 | 36,040 | 2,699 | 4,594 | 12,276 |
| 1998 ${ }^{\text {P }}$ | 125,833 | 105,972 | 25.256 | 575 | 5,965 | 18,716 | 100,577 | 6,551 | 6,825 | 22,474 | 7,341 | 37,525 | 2,684 | 4,649 | 12,529 |
|  |  |  |  |  |  |  | Monthly d | ata, season | liy adjusted |  |  |  |  |  |  |
| 1997: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| December ..... | 124,289 | 104,609 | 25,193 | 592 | 5,810 | 18,791 | 99.096 | 6,451 | 6,731 | 22,245 | 7,194 | 36,795 | 2,688 | 4,611 | 12,381 |
| 1898: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| January | 124,640 | 104,954 | 25,297 | 592 | 5,881 | 18,824 | 99,343 | 6,473 | 6,759 | 22,280 | 7.213 | 36,932 | 2,670 | 4,613 | 12,403 |
| February | 124,832 | 105,112 | 25,314 | 590 | 5.902 | 18,822 | 99,518 | 6,494 | 6.769 | 22,283 | 7,232 | 37,020 | 2,676 | 4,613 | 12,431 |
| March | 124,914 | 105,186 | 25,276 | 587 | 5,860 | 18.829 | 99,638 | 6,504 | 6,783 | 22,259 | 7.258 | 37,106 | 2,671 | 4,619 | 12,438 |
| April | 125,234 | 105,470 | 25,339 | 582 | 5,930 | 18,827 | 99,895 | 6,513 | 6,798 | 22,335 | 7.289 | 37,196 | 2,674 | 4,620 | 12,470 |
| May | 125,562 | 105,734 | 25,301 | 579 | 5,917 | 18,805 | 100,261 | 6,534 | 6,815 | 22,423 | 7,311 | 37,350 | 2,671 | 4,637 | 12,520 |
| June | 125,751 | 105,938 | 25,304 | 578 | 5,946 | 18,780 | 100,447 | 6,538 | 6,821 | 22,448 | 7,333 | 37,494 | 2,674 | 4,632 | 12,507 |
| July ............ | 125,869 | 106,043 | 25,135 | 571 | 5,970 | 18,594 | 100.734 | 6.550 | 6,827 | 22,547 | 7,370 | 37,614 | 2,672 | 4,645 | 12,509 |
| August | 126,191 | 106,269 | 25,253 | 571 | 5,989 | 18,693 | 100,938 | 6,570 | 6,838 | 22,545 | 7,372 | 37,691 | 2,683 | 4,661 | 12,578 |
| September .... | 126,363 | 106.435 | 25,241 | 568 | 5,981 | 18,692 | 101,122 | 6.579 | 6,862 | 22,592 | 7.393 | 37.768 | 2,697 | 4,880 | 12.561 |
| October | 126,527 | 106,579 | 25,209 | 564 | 6,012 | 18,633 | 101,318 | 6.595 | 6,864 | 22,589 | 7.417 | 37,905 | 2,713 | 4,671 | 12,564 |
| Novemberp | 126,778 | 106,802 | 25.184 | 560 | 6.054 | 18,570 | 101,594 | 6,609 | 6,875 | 22,654 | 7,439 | 38,041 | 2,712 | 4,672 | 12,592 |
| Decemberp | 127,156 | 107,121 | 25,272 | 557 | 6,158 | 18,557 | 101,884 | 6,641 | 6,882 | 22,707 | 7,467 | 38,152 | 2,691 | 4,706 | 12,638 |

${ }_{2}$ Not available.
2 Data include Alaska and Hawaii beginning in 1959. This inclusion resulted in an increase of 212,000 ( 0.4 percent) in the nonfarm total for the March 1959 benchmark month
$\mathrm{P}=$ preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data benchmark levels. When more recent benchmark data are introduced, all unadjusted data
(beginning April 1997) and all seasonally adjusted data (beginning January 1994) are subject to revision

B-2. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by major industry, 1964 to date

| Year and month | Total private ${ }^{1}$ |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weakly earnings | Weekly hours | Hourly earnings | Weekly earnings |
|  | Annual averages |  |  |  |  |  |  |  |  |
| 1964 | 38.7 | \$2.36 | \$91.33 | 41.9 | \$2.81 | \$117.74 | 37.2 | \$3.55 | \$132.06 |
| 1965 | 38.8 | 2.46 | 95.45 | 42.3 | 2.92 | 123.52 | 37.4 | 3.70 | 138.38 |
| 1966 ..................... | 38.6 | 2.56 | 98.82 | 42.7 | 3.05 | 130.24 | 37.6 | 3.89 | 146.26 |
| 1967 | 38.0 | 2.68 | 101.84 | 42.6 | 3.19 | 135.89 | 37.7 | 4.11 | 154.95 |
| 1968 | 37.8 | 2.85 | 107.73 | 42.6 | 3.35 | 142.71 | 37.3 | 4.41 | 164.49 |
| 1969 ............................. | 37.7 | 3.04 | 114.61 | 43.0 | 3.60 | 154.80 | 37.9 | 4.79 | 181.54 |
| 1970 .......................... | 37.1 | 3.23 | 119.83 | 42.7 | 3.85 | 164.40 | 37.3 | 5.24 | 195.45 |
| 1971 ........................... | 36.9 | 3.45 | 127.31 | 42.4 | 4.06 | 172.14 | 37.2 | 5.69 | 211.67 |
| 1972 ........................... | 37.0 | 3.70 | 136.90 | 42.6 | 4.44 | 189.14 | 36.5 | 6.06 | 221.19 |
| 1973 ........................... | 36.9 | 3.94 | 145.39 | 42.4 | 4.75 | 201.40 | 36.8 | 6.41 | 235.89 |
| 1974 ... | 36.5 | 4.24 | 154.76 | 41.9 | 5.23 | 219.14 | 36.6 | 6.81 | 249.25 |
| 1975. | 36.1 | 4.53 | 163.53 | 41.9 | 5.95 | 249.31 | 36.4 | 7.31 | 266.08 |
| 1976. | 36.1 | 4.86 | 175.45 | 42.4 | 6.46 | 273.90 | 36.8 | 7.71 | 283.73 |
| 1977 ........................... | 36.0 | 5.25 | 189.00 | 43.4 | 6.94 | 301.20 | 36.5 | 8.10 | 295.65 |
| 1978 ......................... | 35.8 | 5.69 | 203.70 | 43.4 | 7.67 | 332.88 | 36.8 | 8.66 | 318.69 |
| 1979 .......................... | 35.7 | 6.16 | 219.91 | 43.0 | 8.49 | 365.07 | 37.0 | 9.27 | 342.99 |
| 1980 | 35.3 | 6.66 | 235.10 | 43.3 | 9.17 | 397.06 | 37.0 | 9.94 | 367.78 |
| 1981 .......................... | 35.2 | 7.25 | 255.20 | 43.7 | 10.04 | 438.75 | 36.9 | 10.82 | 399.26 |
| 1982 ............................ | 34.8 | 7.68 | 267.26 | 42.7 | 10.77 | 459.88 | 36.7 | 11.63 | 426.82 |
| 1983 .......................... | 35.0 | 8.02 | 280.70 | 42.5 | 11.28 | 479.40 | 37.1 | 11.94 | 442.97 |
| 1984 | 35.2 | 8.32 | 292.86 | 43.3 | 11.63 | 503.58 | 37.8 | 12.13 | 458.51 |
| 1985. | 34.9 | 8.57 | 299.09 | 43.4 | 11.98 | 519.93 | 37.7 | 12.32 | 464.46 |
| 1986 ........................... | 34.8 | 8.76 | 304.85 | 42.2 | 12.46 | 525.81 | 37.4 | 12.48 | 466.75 |
| 1987 ... | 34.8 | 8.98 | 312.50 | 42.4 | 12.54 | 531.70 | 37.8 | 12.71 | 480.44 |
| 1988 | 34.7 | 9.28 | 322.02 | 42.3 | 12.80 | 541.44 | 37.9 | 13.08 | 495.73 |
| 1989 .......................... | 34.6 | 9.66 | 334.24 | 43.0 | 13.26 | 570.18 | 37.9 | 13.54 | 513.17 |
| 1990. | 34.5 | 10.01 | 345.35 | 44.1 | 13.68 | 603.29 | 38.2 | 13.77 | 526.01 |
| 1991 .......................... | 34.3 | 10.32 | 353.98 | 44.4 | 14.19 | 630.04 | 38.1 | 14.00 | 533.40 |
| 1992 ........................... | 34.4 | 10.57 | 363.61 | 43.9 | 14.54 | 638.31 | 38.0 | 14.15 | 537.70 |
| 1993 ............................ | 34.5 | 10.83 | 373.64 | 44.3 | 14.60 | 646.78 | 38.5 | 14.38 | 553.63 |
| 1994 ......................... | 34.7 | 11.12 | 385.86 | 44.8 | 14.88 | 666.62 | 38.9 | 14.73 | 573.00 |
| 1995 ........................ | 34.5 | 11.43 | 394.34 | 44.7 | 15.30 | 683.91 | 38.9 | 15.09 | 587.00 |
| 1996 ......................... | 34.4 | 11.82 | 406.61 | 45.3 | 15.62 | 707.59 | 39.0 | 15.47 | 603.33 |
| 1997 .......................... | 34.6 | 12.28 | 424.89 | 45.4 | 16.17 | 734.12 | 38.9 | 16.03 | 623.57 |
| 1998P ........................ | 34.6 | 12.77 | 441.84 | 43.9 | 16.95 | 744.11 | 38.8 | 16.56 | 642.53 |
|  | Monthly data, not seasonally adjusted |  |  |  |  |  |  |  |  |
| 1997: |  |  |  |  |  |  |  |  |  |
| December ................. | 34.8 | \$12.53 | \$436.04 | 45.2 | \$16.52 | \$746.70 | 38.5 | \$16.37 | \$630.25 |
| 1998: |  |  |  |  |  |  |  |  |  |
| January ..................... | 34.2 | 12.60 | 430.92 | 45.0 | 16.65 | 749.25 | 37.4 | 16.25 | 607.75 |
| February ................... | 34.6 | 12.65 | 437.69 | 44.0 | 16.89 | 743.16 | 37.9 | 16.21 | 614.36 |
| March ....................... | 34.5 | 12.68 | 437.46 | 43.4 | 16.89 | 733.03 | 37.9 | 16.29 | 617.39 |
| April ......................... | 34.2 | 12.69 | 434.00 | 43.4 | 16.84 | 730.86 | 38.0 | 16.34 | 620.92 |
| May .......................... | 34.6 | 12.70 | 439.42 | 44.4 | 16.73 | 742.81 | 39.2 | 16.42 | 643.66 |
| June ........................ | 34.7 | 12.66 | 439.30 | 44.0 | 16.73 | 736.12 | 39.1 | 16.44 | 642.80 |
| July .......................... | 34.8 | 12.66 | 440.57 | 44.0 | 16.81 | 739.64 | 40.1 | 16.63 | 666.86 |
| August ..................... | 35.1 | 12.74 | 447.17 | 44.0 | 16.94 | 745.36 | 40.1 | 16.74 | 671.27 |
| September ................ | 34.3 | 12.89 | 442.13 | 42.9 | 17.16 | 736.16 | 37.5 | 16.76 | 628.50 |
| October ..................... | 34.6 | 12.92 | 447.03 | 43.9 | 17.13 | 752.01 | 40.0 | 16.86 | 674.40 |
| NovemberP ............... | 34.7 | 12.99 | 450.75 | 43.9 | 17.32 | 760.35 | 38.5 | 16.80 | 646.80 |
| DecemberP ................ | 34.7 | 12.99 | 450.75 | 43.5 | 17.41 | 757.34 | 39.2 | 16.83 | 659.74 |

See footnotes at end of table.

B-2. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by major industry, 1964 to date-Continued

| Year and month | Manufacturing |  |  |  | Transportation and public utilities |  |  | Wholesale trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Weekly hours | Hourly earnings | Hourly earnings, excluding overtime | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings |
|  | Annual averages |  |  |  |  |  |  |  |  |  |
| 1964 | 40.7 | \$2.53 | \$2.43 | \$102.97 | 41.1 | \$2.89 | \$118.78 | 40.7 | \$2.52 | \$102.56 |
| 1965 | 41.2 | 2.61 | 2.50 | 107.53 | 41.3 | 3.03 | 125.14 | 40.8 | 2.60 | 106.08 |
| 1966 ........................... | 41.4 | 2.71 | 2.59 | 112.19 | 41.2 | 3.11 | 128.13 | 40.7 | 2.73 | 111.11 |
| 1967 | 40.6 | 2.82 | 2.71 | 114.49 | 40.5 | 3.23 | 130.82 | 40.3 | 2.87 | 115.66 |
| 1968 | 40.7 | 3.01 | 2.88 | 122.51 | 40.6 | 3.42 | 138.85 | 40.1 | 3.04 | 121.90 |
| 1969 ......... | 40.6 | 3.19 | 3.05 | 129.51 | 40.7 | 3.63 | 147.74 | 40.2 | 3.23 | 129.85 |
| 1970 ........................... | 39.8 | 3.35 | 3.23 | 133.33 | 40.5 | 3.85 | 155.93 | 39.9 | 3.43 | 136.86 |
| 1971 .......................... | 39.9 | 3.57 | 3.45 | 142.44 | 40.1 | 4.21 | 168.82 | 39.4 | 3.64 | 143.42 |
| 1972 ........................... | 40.5 | 3.82 | 3.66 | 154.71 | 40.4 | 4.65 | 187.86 | 39.4 | 3.85 | 151.69 |
| 1973 ........................... | 40.7 | 4.09 | 3.91 | 166.46 | 40.5 | 5.02 | 203.31 | 39.2 | 4.07 | 159.54 |
| 1974 ..................... | 40.0 | 4.42 | 4.25 | 176.80 | 40.2 | 5.41 | 217.48 | 38.8 | 4.38 | 169.94 |
| 1975 ........................... | 39.5 | 4.83 | 4.67 | 190.79 | 39.7 | 5.88 | 233.44 | 38.6 | 4.72 | 182.19 |
| 1976 ........................... | 40.1 | 5.22 | 5.02 | 209.32 | 39.8 | 6.45 | 256.71 | 38.7 | 5.02 | 194.27 |
| 1977 ........................... | 40.3 | 5.68 | 5.44 | 228.90 | 39.9 | 6.99 | 278.90 | 38.8 | 5.39 | 209.13 |
| 1978 ........................... | 40.4 | 6.17 | 5.91 | 249.27 | 40.0 | 7.57 | 302.80 | 38.8 | 5.88 | 228.14 |
| 1979 .......................... | 40.2 | 6.70 | 6.43 | 269.34 | 39.9 | 8.16 | 325.58 | 38.8 | 6.39 | 247.93 |
| 1980 ........................... | 39.7 | 7.27 | 7.02 | 288.62 | 39.6 | 8.87 | 351.25 | 38.4 | 6.95 | 266.88 |
| 1981 ........................... | 39.8 | 7.99 | 7.72 | 318.00 | 39.4 | 9.70 | 382.18 | 38.5 | 7.55 | 290.68 |
| 1982 ........................... | 38.9 | 8.49 | 8.25 | 330.26 | 39.0 | 10.32 | 402.48 | 38.3 | 8.08 | 309.46 |
| 1983 ........................... | 40.1 | 8.83 | 8.52 | 354.08 | 39.0 | 10.79 | 420.81 | 38.5 | 8.54 | 328.79 |
| 1984 ........................... | 40.7 | 9.19 | 8.82 | 374.03 | 39.4 | 11.12 | 438.13 | 38.5 | 8.88 | 341.88 |
| 1985 .......................... | 40.5 | 9.54 | 9.16 | 386.37 | 39.5 | 11.40 | 450.30 | 38.4 | 9.15 | 351.36 |
| 1986 ........................... | 40.7 | 9.73 | 9.34 | 396.01 | 39.2 | 11.70 | 458.64 | 38.3 | 9.34 | 357.72 |
| 1987 ........................... | 41.0 | 9.91 | 9.48 | 406.31 | 39.2 | 12.03 | 471.58 | 38.1 | 9.59 | 365.38 |
| 1988 ........................... | 41.1 | 10.19 | 9.73 | 418.81 | 38.2 | 12.24 | 467.57 | 38.1 | 9.98 | 380.24 |
| 1989 ........................... | 41.0 | 10.48 | 10.02 | 429.68 | 38.3 | 12.57 | 481.43 | 38.0 | 10.39 | 394.82 |
| 1990 ........................... | 40.8 | 10.83 | 10.37 | 441.86 | 38.4 | 12.92 | 496.13 | 38.1 | 10.79 | 411.10 |
| 1991. | 40.7 | 11.18 | 10.71 | 455.03 | 38.1 | 13.20 | 502.92 | 38.1 | 11.15 | 424.82 |
| 1992 ........................... | 41.0 | 11.46 | 10.95 | 469.86 | 38.3 | 13.43 | 514.37 | 38.2 | 11.39 | 435.10 |
| 1993 ........................... | 41.4 | 11.74 | 11.18 | 486.04 | 39.3 | 13.55 | 532.52 | 38.2 | 11.74 | 448.47 |
| 1994. | 42.0 | 12.07 | 11.43 | 506.94 | 39.7 | 13.78 | 547.07 | 38.4 | 12.06 | 463.10 |
| 1995 ........................... | 41.6 | 12.37 | 11.74 | 514.59 | 39.4 | 14.13 | 556.72 | 38.3 | 12.43 | 476.07 |
| 1996 .......................... | 41.6 | 12.77 | 12.12 | 531.23 | 39.6 | 14.45 | 572.22 | 38.3 | 12.87 | 492.92 |
| 1997 ........................... | 42.0 | 13.17 | 12.45 | 553.14 | 39.7 | 14.93 | 592.72 | 38.4 | 13.44 | 516.10 |
| 1998p ......................... | 41.7 | 13.49 | 12.79 | 562.53 | 39.5 | 15.35 | 606.33 | 38.4 | 14.01 | 537.98 |
|  | Monthly data, not seasonally adjusted |  |  |  |  |  |  |  |  |  |
| ```1997: Decernber 1998:``` |  |  |  |  |  |  |  |  |  |  |
|  | 43.0 | \$13.47 | \$12.68 | \$579.21 | 39.8 | \$15.17 | \$603.77 | 38.4 | \$13.72 | \$526.85 |
|  |  |  |  |  |  |  |  |  |  |  |
| January | 41.9 | 13.40 | 12.70 | 561.46 | 39.3 | 15.27 | 600.11 | 38.1 | 13.77 | 524.64 |
| February $\qquad$ | 41.7 41.7 | 13.41 13.47 | 12.72 12.76 | 559.20 561.70 | 39.9 39.4 | 15.29 15.24 | 610.07 600.46 | 38.5 38.4 | 13.85 13.86 | 533.23 532.22 |
| March ...................... | 41.7 | 13.47 | 12.76 | 561.70 549.17 | 39.4 | 15.24 | 600.46 597 | 38.4 | 13.86 | 532.22 |
| April ........................ | 40.8 | 13.46 | 12.83 | 549.17 | 39.1 | 15.27 | 597.06 | 38.1 | 13.90 | 529.59 |
| May ......................... | 41.8 | 13.47 | 12.78 | 563.05 | 39.5 | 15.21 | 600.80 | 38.4 | 13.96 | 536.06 |
| June ......................... | 41.8 | 13.44 | 12.74 | 561.79 | 39.6 | 15.22 | 602.71 | 38.3 | 13.89 | 531.99 |
| July .......................... | 41.1 | 13.37 | 12.70 | 549.51 | 39.7 | 15.31 | 607.81 | 38.3 | 13.99 | 535.82 |
| August ..................... | 41.7 | 13.44 | 12.73 | 560.45 | 39.9 | 15.33 | 611.67 | 38.7 | 14.13 | 546.83 |
| September ................ | 41.5 | 13.60 | 12.88 | 564.40 | 39.3 | 15.46 | 607.58 | 38.1 | 14.10 | 537.21 |
| October ..................... | 41.9 | 13.54 | 12.82 | 567.33 | 39.3 | 15.43 | 606.40 | 38.3 | 14.13 | 541.18 |
| NovemberP ................ | 42.1 | 13.60 | 12.87 | 572.56 | 39.7 | 15.53 | 616.54 | 38.7 | 14.29 | 553.02 |
| DecernberP ................ | 42.6 | 13.69 | 12.94 | 583.19 | 39.0 | 15.57 | 607.23 | 38.5 | 14.27 | 549.40 |

See footnotes at end of table.

B-2. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by major industry, 1964 to date-Continued

| Year and month | Retail trade |  |  | Finance, insurance, and real estate |  |  | Services |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Weekly | Hourly earnings | Weakly earnings | Weakly hours | Hourly earnings | Weokly earnings | Weekly hours | Hourly earnings | Weekly earnings |
|  | Annual averages |  |  |  |  |  |  |  |  |
| 1964 | 37.0 | \$1.75 | \$64.75 | 37.3 | \$2.30 | \$85.79 | 36.1 | \$1.94 | \$70.03 |
| 1965 ........................... | 36.6 | 1.82 | 66.61 | 37.2 | 2.39 | 88.91 | 35.9 | 2.05 | 73.60 |
| 1966 ......................... | 35.9 | 1.91 | 68.57 | 37.3 | 2.47 | 92.13 | 35.5 | 2.17 | 77.04 |
| 1967 ........................ | 35.3 | 2.01 | 70.95 | 37.1 | 2.58 | 95.72 | 35.1 | 2.29 | 80.38 |
| 1968 ............................ | 34.7 | 2.16 | 74.95 | 37.0 | 2.75 | 101.75 | 34.7 | 2.42 | 83.97 |
| 1969 ......................... | 34.2 | 2.30 | 78.66 | 37.1 | 2.93 | 108.70 | 34.7 | 2.61 | 90.57 |
| 1970 ......................... | 33.8 33.7 | 2.44 <br> 2.60 | 82.47 87.62 | 36.7 36.6 | 3.07 3.22 | 112.67 117.85 | 34.4 33.9 | 2.81 3.04 3. | 96.66 103.06 |
|  | 33.7 33.4 | 2.60 2.75 | 87.62 91.85 | 36.6 36.6 | 3.22 3.36 | 117.85 122.98 | 33.9 33.9 | 3.04 <br> 3.27 | 103.06 110.85 |
| 1973 .............................. | 33.1 | 2.91 | 96.32 | 36.6 | 3.53 | 129.20 | 33.8 | 3.47 | 117.29 |
| 1974 .......................... | 32.7 | 3.14 | 102.68 | 36.5 | 3.77 | 137.61 | 33.6 | 3.75 | 126.00 |
| 1975 ........................ | 32.4 | 3.36 | 108.86 | 36.5 | 4.06 | 148.19 | 33.5 | 4.02 | 134.67 |
| 1976 | 32.1 | 3.57 | 114.60 | 36.4 | 4.27 | 155.43 | 33.3 | 4.31 | 143.52 |
| 1977 ......................... | 31.6 | 3.85 | 121.66 | 36.4 | 4.54 | 165.26 | 33.0 | 4.65 | 153.45 |
| 1978 ........................ | 31.0 | 4.20 | 130.20 | 36.4 | 4.89 | 178.00 | 32.8 | 4.99 | 163.67 |
| 1979 ........................ | 30.6 | 4.53 | 138.62 | 36.2 | 5.27 | 190.77 | 32.7 | 5.36 | 175.27 |
| 1980 ......................... | 30.2 30.1 | 4.88 5.25 | 147.38 158.03 | 36.2 36.3 | 5.79 6.31 | 209.60 229.05 | 32.6 32.6 | 5.85 6.41 | 190.71 208.97 |
| 1981 ............................... | 29.9 | 5.48 | 163.85 | 36.2 | 6.78 | 245.44 | 32.6 | 6.92 | 225.59 |
| 1983 ........................... | 29.8 | 5.74 | 171.05 | 36.2 | 7.29 | 263.90 | 32.7 | 7.31 | 239.04 |
| 1984 .......................... | 29.8 | 5.85 | 174.33 | 36.5 | 7.63 | 278.50 | 32.6 | 7.59 | 247.43 |
| 1985 ......................... | 29.4 | 5.94 | 174.64 | 36.4 | 7.94 | 289.02 | 32.5 | 7.90 | 256.75 |
| 1986 ........................ | 29.2 | 6.03 | 176.08 | 36.4 | 8.36 | 304.30 | 32.5 | 8.18 | 265.85 |
| 1987 ................................... | 29.2 | 6.12 | 178.70 | 36.3 | 8.73 | 316.90 | 32.5 | 8.49 | 275.93 |
| 1988 ......................... | 29.1 | 6.31 | 183.62 | 35.9 | 9.06 | 325.25 | 32.6 | 8.88 | 289.49 |
| 1989 ......................... | 28.9 | 6.53 | 188.72 | 35.8 | 9.53 | 341.17 | 32.6 | 9.38 | 305.79 |
| $1990 . . . . . . . .$. | 28.8 | 6.75 | 194.40 | 35.8 | 9.97 | 356.93 | 32.5 | 9.83 | 319.48 |
| 1991 .......................... | 28.6 | 6.94 | 198.48 | 35.7 | 10.39 | 370.92 | 32.4 | 10.23 | 331.45 |
| 1992 .......................... | 28.8 | 7.12 | 205.06 | 35.8 | 10.82 | 387.36 | 32.5 | 10.54 | 342.55 |
| 1993 | 28.8 | 7.29 | 209.95 | 35.8 | 11.35 | 406.33 | 32.5 | 10.78 | 350.35 |
| 1994 .... | 28.9 | 7.49 | 216.46 | 35.8 | 11.83 | 423.51 | 32.5 | 11.04 | 358.80 |
| 1995 ........................ | 28.8 | 7.69 | 221.47 | 35.9 | 12.32 | 442.29 | 32.4 | 11.39 | 369.04 |
| 1996 ............. | 28.8 | 7.99 | 230.11 | 35.9 | 12.80 | 459.52 | 32.4 | 11.79 | 382.00 |
| 1997 ........................ | 28.9 | 8.34 | 241.03 | 36.1 | 13.33 | 481.21 | 32.6 | 12.28 | 400.33 |
| 19988 .................................. | 29.1 | 8.75 | 254.63 | 36.4 | 14.05 | 511.42 | 32.7 | 12.85 | 420.20 |
|  | Monthiy data, not seasonally adjusted |  |  |  |  |  |  |  |  |
| 1997: <br> December $\qquad$ <br> 1998: |  |  |  |  |  |  |  |  |  |
|  | 29.2 | \$8.51 | \$248.49 | 35.9 | \$13.64 | \$489.68 | 32.6 | \$12.61 | \$411.09 |
|  | 28.1 | 8.63 | 242.50 | 36.1 | 13.70 | 494.57 | 32.4 | 12.66 | 410.18 |
| February .................... | 28.7 | 8.62 | 247.39 | 37.1 | 13.95 | 517.55 | 32.8 | 12.75 | 418.20 |
| March ..... | 28.7 | 8.67 | 248.83 | 36.8 | 13.97 | 514.10 | 32.7 | 12.77 | 417.58 |
| April ......................... | 28.7 | 8.70 | 249.69 | 36.1 | 13.98 | 504.68 | 32.4 | 12.77 | 413.75 |
| May ........................ | 29.0 | 8.71 | 252.59 | 36.1 | 13.99 | 505.04 | 32.5 | 12.75 | 414.38 |
| June ...................... | 29.3 | 8.70 | 254.91 | 36.0 | 13.93 | 501.48 | 32.7 | 12.70 | 415.29 |
| July | 29.8 | 8.71 | 259.56 | 36.1 | 13.94 | 503.23 | 32.9 | 12.67 | 416.84 |
| August | 29.9 | 8.74 | 261.33 | 36.9 | 14.11 | 520.66 | 33.2 | 12.75 | 423.30 |
| September ................ | 29.1 | 8.90 | 258.99 | 35.9 | 14.10 | 506.19 | 32.3 | 12.97 | 418.93 |
| October ................... | 28.9 | 8.86 | 256.05 | 36.1 | 14.20 | 512.62 | 32.6 | 13.01 | 424.13 |
| November¢ ................ | 28.9 | 8.87 | 256.34 | 37.0 | 14.41 | 533.17 | 32.8 | 13.14 | 430.99 |
|  | 29.2 | 8.89 | 259.59 | 36.1 | 14.33 | 517.31 | 32.7 | 13.18 | 430.99 |

1 Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.
$\mathrm{p}=$ preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

ESTABLISHMENT DATA EMPLOYMENT
SEASONALLY ADJUSTED
B-3. Employees on nonfarm payrolls by major industry and selected component groups, seasonally adjusted
(In thousands)

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P | Dec.p |
| Total | 124,289 | 124,640 | 124,832 | 124,914 | 125,234 | 125,562 | 125,751 | 125,869 | 126,191 | 126,363 | 126,527 | 126,778 | 127,156 |
| Total private | 104,609 | 104,954 | 105.112 | 105,186 | 105.470 | 105,734 | 105,938 | 106,043 | 106.269 | 106,435 | 106,579 | 106,802 | 107.121 |
| Goods-producing | 25,193 | 25,297 | 25,314 | 25,276 | 25,339 | 25,301 | 25,304 | 25,135 | 25,253 | 25,241 | 25,209 | 25,184 | 25,272 |
| Mining | 592 | 592 | 590 | 587 | 582 | 579 | 578 | 571 | 571 | 568 | 564 | 560 | 557 |
| Metal mining | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 50 | 50 | 50 | 50 | 50 | 50 |
| Coal mining . | 94 | 94 | 93 | 93 | 92 | 92 | 90 | 89 | 90 | 89 | 89 | 90 | 89 |
| Oil and gas extraction ........................ | 338 | 338 | 338 | 336 | 332 | 329 | 330 | 325 | 323 | 321 | 317 | 312 | 309 |
| Nonmetallic minerals, except fuels | 108 | 108 | 107 | 107 | 107 | 107 | 107 | 107 | 108 | 108 | 108 | 108 | 109 |
| Construction | 5,810 | 5.881 | 5,902 | 5,860 | 5.930 | 5,917 | 5.946 | 5,970 | 5,989 | 5,981 | 6,012 | 6.054 | 6,158 |
| General building contractors.. | 1,351 | 1,365 | 1,371 | 1,373 | 1,385 | 1,388 | 1,401 | 1,410 | 1,413 | 1,410 | 1,419 | 1,412 | 1,434 |
| Heavy construction, except building | 805 | 817 | 813 | 805 | 819 | 819 | 821 | 828 | 829 | 820 | 825 | 835 | 865 |
| Special trade contractors .................... | 3.654 | 3,699 | 3.718 | 3,682 | 3,726 | 3,710 | 3,724 | 3,732 | 3,747 | 3,751 | 3.768 | 3,807 | 3,859 |
| Manufacturing | 18,791 | 18,824 | 18,822 | 18,829 | 18,827 | 18,805 | 18,780 | 18,594 | 18,693 | 18,692 | 18,633 | 18,570 | 18,557 |
| Durable goods | 11,118 | 11,154 | 11,159 | 11,166 | 11,170 | 11,156 | 11,144 | 10,989 | 11,106 | 11,090 | 11,059 | 11,010 | 10,997 |
| Lumber and wood products | 798 | 800 | 800 | 801 | 802 | 803 | 801 | 802 | 802 | 805 | 806 | 808 | 810 |
| Furniture and fixtures .......... | 515 | 517 | 519 | 520 | 524 | 526 | 524 | 528 | 526 | 524 | 524 | 524 | 527 |
| Stone, clay, and glass products | 555 | 562 | 561 | 558 | 561 | 559 | 562 | 561 | 564 | 564 | 564 | 567 | 570 |
| Primary metal industries ........... | 716 | 719 | 718 | 719 | 718 | 716 | 717 | 706 | 714 | 712 | 706 | 698 | 697 |
| Fabricated metal products ... | 1,491 | 1,496 | 1,497 | 1.497 | 1.498 | 1,495 | 1,490 | 1,477 | 1,490 | 1,487 | 1,486 | 1,481 | 1,480 |
| Industrial machinery and equipment ... | 2,196 | 2,200 | 2,202 | 2,205 | 2,201 | 2,201 | 2,202 | 2,193 | 2,190 | 2,185 | 2,175 | 2,161 | 2,151 |
| Computer and office equipment ....... | 381 | 381 | 381 | 381 | 377 | 376 | 375 | 375 | 373 | 374 | 371 | 369 | 366 |
| Electronic and other electrical equipment $\qquad$ Electronic components and | 1,712 | 1.719 | 1,720 | 1,722 | 1,720 | 1,716 | 1,714 | 1,701 | 1,694 | 1,688 | 1,680 | 1,669 | 1,667 |
| accessories .................... | 676 | 680 | 680 | 681 | 678 | 677 | 672 | 667 | 661 | 659 | 654 | 650 | 648 |
| Transportation equipment. | 1,878 | 1,882 | 1,886 | 1,887 | 1,890 | 1,886 | 1,882 | 1,772 | 1,884 | 1,883 | 1,887 | 1,878 | 1,872 |
| Motor vehicles and equipment | 1,001 | 1.002 | 1.004 | 1.002 | 1,004 | 998 | 993 | 878 | 995 | 995 | 1.000 | 998 | 989 |
| Aircraft and parts ...... | 519 | 521 | 523 | 525 | 525 | 524 | 524 | 526 | 526 | 524 | 523 | 520 | 519 |
| Instruments and related products ....... | 869 | 870 | 866 | 868 | 867 | 866 | 864 | 861 | 857 | 855 | 850 | 846 | 844 |
| Miscellaneous manufacturing ............ | 388 | 389 | 390 | 389 | 389 | 388 | 388 | 388 | 385 | 387 | 381 | 378 | 379 |
| Nondurable goods | 7,673 | 7,670 | 7,863 | 7.663 | 7.657 | 7,649 | 7,636 | 7,605 | 7.587 | 7.602 | 7,574 | 7.560 | 7.560 |
| Food and kindred products | 1,702 | 1,702 | 1,703 | 1,704 | 1,708 | 1,710 | 1,706 | 1,696 | 1,690 | 1,704 | 1,702 | 1,710 | 1,718 |
| Tobacco products.. | 41 | 40 | 41 | 41 | 42 | 41 | 40 | 40 | 40 | 39 | 40 | 40 | 39 |
| Textile mill products | 611 | 608 | 606 | 604 | 605 | 603 | 599 | 594 | 591 | 593 | 589 | 583 | 579 |
| Apparel and other textile products ...... | 808 | 805 | 796 | 796 | 787 | 780 | 776 | 772 | 762 | 761 | 746 | 735 | 731 |
| Paper and allied products .. | 686 | 688 | 688 | 688 | 686 | 685 | 682 | 680 | 680 | 679 | 677 | 674 | 673 |
| Printing and publishing ........ | 1,561 | 1,564 | 1,564 | 1,564 | 1.565 | 1,566 | 1,570 | 1,571 | 1,568 | 1,568 | 1,569 | 1,566 | 1,564 |
| Chemicals and alied products | 1,036 | 1.035 | 1,036 | 1,036 | 1,035 | 1,039 | 1,037 | 1,038 | 1.036 | 1,036 | 1,034 | 1,034 | 1,035 |
| Petroleum and coal products ............. | 139 | 136 | 136 | 136 | 137 | 136 | 137 | 135 | 134 | 135 | 134 | 134 | 136 |
| Rubber and misc. plastics products .... | 1,002 | 1,006 | 1,007 | 1,009 | 1,008 | 1,006 | 1,006 | 998 | 1,006 | 1,007 | 1,004 | 1,006 | 1,008 |
| Leather and leather products ............. | 87 | 86 | 86 | 85 | 84 | 83 | 83 | 81 | 80 | 80 | 79 | 78 | 77 |
| Service-producing ......................... | 99,096 | 99,343 | 99.518 | 99,638 | 99,895 | 100,261 | 100,447 | 100,734 | 100,938 | 101,122 | 101,318 | 101,594 | 101,884 |
| Transportation and public utilities ...... | 6,451 | 6.473 | 6.494 | 6,504 | 6.513 | 6,534 | 6,538 | 6,550 | 6,570 | 6,579 | 6,595 | 6,609 | 6,641 |
| Transportation | 4,135 | 4,148 | 4,164 | 4,170 | 4,173 | 4,191 | 4,196 | 4,208 | 4,235 | 4,237 | 4,247 | 4,254 | 4,277 |
| Railroad transportation ............ | 230 | 231 | 231 | 231 | 231 | 232 | 232 | 231 | 232 | 234 | 234 | 234 | 235 |
| Local and interurban passenger transit $\qquad$ | 455 | 456 | 459 | 460 | 453 | 459 | 458 | 466 | 469 | 466 | 467 | 469 | 469 |
| Trucking and warehousing | 1,676 | 1,684 | 1,688 | 1,690 | 1,702 | 1.703 | 1,709 | 1,709 | 1,719 | 1,716 | 1,721 | 1,720 | 1,729 |
| Water transportation ............. | 179 | 177 | 181 | 183 | 181 | 185 | 183 | 188 | 192 | 191 | 191 | 194 | 193 |
| Transportation by air ........................ | 1.138 | 1,142 | 1,145 | 1.146 | 1.147 | 1,151 | 1,154 | 1,154 | 1,169 | 1,166 | 1,167 | 1,168 | 1,181 |
| Pipelines, except natural gas ............. | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| Transportation services .................... | 443 | 444 | 446 | 446 | 445 | 447 | 446 | 446 | 448 | 450 | 453 | 455 | 456 |
| Communications and public utilities ..... | 2,316 | 2,325 | 2,330 | 2,334 | 2,340 | 2,343 | 2,342 | 2,342 | 2,335 | 2,342 | 2,348 | 2,355 | 2,364 |
| Communications ............................ | 1,457 | 1,466 | 1.471 | 1,475 | 1,484 | 1,486 | 1,488 | 1,488 | 1.483 | 1,490 | 1.498 | 1,501 | 1,510 |
| Electric, gas, and sanitary services .... | 859 | 859 | 859 | 859 | 856 | 857 | 854 | 854 | 852 | 852 | 850 | 854 | 854 |
| Wholesale trade | 6.731 | 6.759 | 6.769 | 6,783 | 6.798 | 6,815 | 6,821 | 6,827 | 6,838 | 6,862 | 6,864 | 6,875 | 6,882 |
| Durable goods | 4,002 | 4,017 | 4,030 | 4,039 | 4,050 | 4,059 | 4,067 | 4,072 | 4,084 | 4,094 | 4,096 | 4,103 | 4,105 |
| Nondurable goods ............................ | 2,729 | 2,742 | 2,739 | 2,744 | 2.748 | 2,756 | 2,754 | 2,755 | 2.754 | 2,768 | 2,768 | 2,772 | 2.777 |

See footnotes at end of table.

B-3. Employees on nonfarm payrolis by major industry and selected component groups, seasonally adjusted-Continued
(In thousands)

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. ${ }^{\text {P }}$ | Dec.P. |
| Retail trade | 22,245 | 22,280 | 22,283 | 22,259 | 22,335 | 22,423 | 22,448 | 22,547 | 22,545 | 22,592 | 22,589 | 22,654 | 22,707 |
| Building materials and garden supplies | 946 | 954 | 959 | 966 | 971 | 972 | 975 | 977 | 979 | 984 | 987 | 990 | 999 |
| General merchandise stores ............... | 2,771 | 2,771 | 2,756 | 2,759 | 2,784 | 2.788 | 2.784 | 2,790 | 2.784 | 2,800 | 2,812 | 2,836 | 2,846 |
| Department stores | 2,434 | 2,439 | 2,427 | 2,428 | 2,447 | 2,462 | 2,457 | 2.454 | 2.459 | 2,466 | 2,481 | 2,498 | 2,512 |
| Food stores ............ | 3,517 | 3.528 | 3,533 | 3,536 | 3,533 | 3,542 | 3,538 | 3,552 | 3,551 | 3,557 | 3,554 | 3,557 | 3,560 |
| Automotive dealers and service stations $\qquad$ | 2,329 | 2,331 | 2,331 | 2,333 | 2,337 | 2,345 | 2,351 | 2,355 | 2,354 | 2,361 | 2,367 | 2,368 | 2.376 |
| New and used car dealers | 1,056 | 1,056 | 1,056 | 1,056 | 1,058 | 1,060 | 1,064 | 1,066 | 1,064 | 1,065 | 1,067 | 1,069 | 1,074 |
| Apparel and accessory stores | 1,103 | 1,108 | 1,100 | 1.098 | 1,105 | 1.106 | 1,108 | 1.111 | 1,112 | 1,109 | 1,101 | 1,104 | 1,101 |
| Furniture and home furnishings stores | 1,035 | 1,039 | 1,043 | 1.048 | 1,045 | 1,055 | 1,058 | 1,063 | 1.070 | 1,071 | 1,076 | 1,082 | 1,087 |
| Eating and drinking places ................ | 7.682 | 7,685 | 7.694 | 7,645 | 7,681 | 7,714 | 7,726 | 7,781 | 7,770 | 7,790 | 7,778 | 7,804 | 7,837 |
| Miscellaneous retail establishments | 2,862 | 2,864 | 2,867 | 2,874 | 2,879 | 2,901 | 2,908 | 2,918 | 2,925 | 2,920 | 2.914 | 2,913 | 2,901 |
| Finance, insurance, and real estate .... | 7,194 | 7.213 | 7,232 | 7.258 | 7,289 | 7,311 | 7,333 | 7,370 | 7,372 | 7,393 | 7,417 | 7.439 | 7,467 |
| Finance ........................................... | 3.478 | 3.485 | 3,496 | 3,512 | 3,521 | 3,536 | 3,547 | 3.565 | 3,572 | 3,578 | 3.598 | 3,606 | 3.621 |
| Depository institutions | 2,040 | 2,037 | 2.039 | 2,041 | 2,041 | 2,044 | 2,042 | 2,042 | 2,042 | 2,038 | 2,043 | 2,043 | 2,047 |
| Commercial banks ... | 1,466 | 1,463 | 1,464 | 1,465 | 1.463 | 1,463 | 1.459 | 1,459 | 1,457 | 1,456 | 1.456 | 1,456 | 1.458 |
| Savings institutions | 263 | 262 | 262 | 262 | 263 | 264 | 264 | 265 | 264 | 264 | 265 | 265 | 265 |
| Nondepository institutions ................. | 586 | 589 | 593 | 602 | 605 | 611 | 616 | 624 | 628 | 630 | 640 | 650 | 654 |
| Mortgage bankers and brokers ......... | 262 | 264 | 270 | 276 | 278 | 281 | 284 | 289 | 294 | 298 | 305 | 310 | 314 |
| Security and commodity brokers | 620 | 625 | 629 | 633 | 636 | 641 | 648 | 655 | 657 | 662 | 666 | 663 | 667 |
| Holding and other investment offices | 232 | 234 | 235 | 236 | 239 | 240 | 241 | 244 | 245 | 248 | 249 | 250 | 253 |
| Insurance .................................... | 2,291 | 2,293 | 2,297 | 2,302 | 2,312 | 2,320 | 2,328 | 2,337 | 2,339 | 2,346 | 2,350 | 2,356 | 2,364 |
| Insurance carriers | 1,558 | 1,558 | 1,560 | 1,566 | 1.574 | 1,579 | 1.586 | 1.594 | 1,595 | 1,599 | 1,601 | 1,604 | 1,611 |
| insurance agents, brokers, and service | 733 | 735 | 737 | 736 | 738 | 741 | 742 | 743 | 744 | 747 | 749 | 752 | 753 |
| Real estate | 1,425 | 1,435 | 1,439 | 1,444 | 1,456 | 1.455 | 1,458 | 1,468 | 1.461 | 1,469 | 1,469 | 1,477 | 1,482 |
| Services ${ }^{1}$ | 36,795 | 36,932 | 37,020 | 37.106 | 37,196 | 37,350 | 37,494 | 37,614 | 37,691 | 37,768 | 37,905 | 38,041 | 38,152 |
| Agricultrual services | 694 | 696 | 696 | 695 | 706 | 700 | 706 | 713 | 718 | 719 | 722 | 737 | 750 |
| Hotels and other lodging places | 1,754 | 1,762 | 1,756 | 1,755 | 1,767 | 1,769 | 1,773 | 1,781 | 1,786 | 1,781 | 1,783 | 1,781 | 1,778 |
| Personal services .. | 1,178 | 1,176 | 1,177 | 1,178 | 1,186 | 1,190 | 1,186 | 1,184 | 1,185 | 1,179 | 1,178 | 1,180 | 1,185 |
| Business services | 8,294 | 8,351 | 8,384 | 8,412 | 8,422 | 8,491 | 8,556 | 8,565 | 8.619 | 8,605 | 8,677 | 8.716 | 8,765 |
| Services to buildings | 955 | 960 | 961 | 966 | 965 | 975 | 975 | 980 | 978 | 986 | 987 | 988 | 995 |
| Personnel supply services | 3,111 | 3,139 | 3,152 | 3,149 | 3,140 | 3,156 | 3,189 | 3,151 | 3.178 | 3,152 | 3,161 | 3,182 | 3,209 |
| Help supply services $\qquad$ Computer and data processing | 2,783 | 2,804 | 2,820 | 2,819 | 2,806 | 2,818 | 2,853 | 2,815 | 2,850 | 2,818 | 2,829 | 2,846 | 2,863 |
| services ............................. | 1,493 | 1,507 | 1,522 | 1,538 | 1,561 | 1,578 | 1,601 | 1,622 | 1,632 | 1,643 | 1,661 | 1,678 | 1,692 |
| Auto repair, services, and parking ........ | 1,143 | 1,147 | 1,144 | 1,145 | 1,146 | 1,153 | 1,159 | 1,162 | 1,167 | 1,168 | 1,169 | 1,174 | 1,176 |
| Miscellaneous repair services ............. | 380 | 381 | 382 | 382 | 383 | 385 | 387 | 385 | 386 | 388 | 389 | 391 | 393 |
| Motion pictures | 564 | 563 | 569 | 565 | 563 | 567 | 554 | 564 | 566 | 568 | 567 | 562 | 564 |
| Amusement and recreation services | 1,625 | 1,633 | 1,641 | 1,647 | 1,660 | 1,662 | 1,670 | 1,694 | 1,705 | 1,717 | 1,718 | 1,744 | 1,734 |
| Health services | 9,827 | 9,837 | 9,852 | 9,867 | 9,873 | 9,887 | 9,905 | 9,902 | 9,919 | 9,937 | 9,947 | 9,955 | 9,958 |
| Offices and clinics of medical doctors | 1,779 | 1,784 | 1,788 | 1,796 | 1,801 | 1,806 | 1,813 | 1.817 | 1,828 | 1.835 | 1,843 | 1,848 | 1,846 |
| Nursing and personal care facilities .... | 1,761 | 1,759 | 1,761 | 1.761 | 1,760 | 1,762 | 1,761 | 1,756 | 1,754 | 1,758 | 1,755 | 1,753 | 1,751 |
| Hospitals | 3,908 | 3,916 | 3,920 | 3,925 | 3,938 | 3,945 | 3,953 | 3,960 | 3,966 | 3,971 | 3,977 | 3,978 | 3,982 |
| Home health care services ............... | 713 | 706 | 702 | 698 | 687 | 684 | 683 | 673 | 670 | 667 | 662 | 661 | 663 |
| Legal services ......... | 963 | 964 | 967 | 970 | 972 | 977 | 980 | 984 | 985 | 991 | 995 | 994 | 996 |
| Educational services | 2,160 | 2,169 | 2,179 | 2,189 | 2.192 | 2.195 | 2,200 | 2.205 | 2,198 | 2,218 | 2,238 | 2.244 | 2,253 |
| Social services. | 2,561 | 2,570 | 2,577 | 2,587 | 2,595 | 2,609 | 2,627 | 2,657 | 2,632 | 2,652 | 2,659 | 2,673 | 2,688 |
| Child day care services | 572 | 575 | 574 | 575 | 577 | 575 | 581 | 583 | 586 | 583 | 583 | 586 | 590 |
| Residential care .............................. | 736 | 736 | 741 | 744 | 746 | 749 | 747 | 749 | 752 | 758 | 762 | 764 | 767 |
| Museums and botanical and zoological gardens | 91 | 91 | 92 | 92 | 92 | 91 | 91 | 91 | 92 | 92 | 92 | 93 | 94 |
| Membership organizations ................. | 2,255 | 2,260 | 2,261 | 2,263 | 2,265 | 2,266 | 2.270 | 2.272 | 2,273 | 2,276 | 2,281 | 2,279 | 2,283 |
| Engineering and management services | 3,111 | 3,137 | 3,148 | 3,164 | 3,178 | 3,212 | 3,234 | 3,259 | 3,264 | 3,280 | 3,293 | 3,320 | 3,337 |
| Engineering and architectural services | 892 | 897 | 899 | 904 | 910 | 913 | 921 | 925 | 927 | 926 | 927 | 931 | 934 |
| Management and public relations ....... | 988 | 1,004 | 1,007 | 1.012 | 1.011 | 1.029 | 1,037 | 1,052 | 1,055 | 1,066 | 1,075 | 1.092 | 1.095 |
| Government | 19,680 | 19,686 | 19,720 | 19,728 | 19,764 | 19,828 | 19,813 | 19,826 | 19,922 | 19,928 | 19,948 | 19,976 | 20,035 |
| Federal | 2,688 | 2,670 | 2,676 | 2,671 | 2,674 | 2,671 | 2,674 | 2.672 | 2,683 | 2,687 | 2,713 | 2,712 | 2,691 |
| Federal, except Postal Service . | 1,819 | 1,822 | 1,819 | 1,815 | 1,814 | 1,810 | 1,813 | 1,810 | 1,816 | 1,813 | 1,834 | 1,832 | 1,821 |
| State | 4,611 | 4,613 | 4,613 | 4.619 | 4,620 | 4,637 | 4,632 | 4.645 | 4,661 | 4.680 | 4,671 | 4,672 | 4,706 |
| Education | 1.924 | 1,924 | 1,924 | 1,928 | 1,925 | 1,932 | 1,933 | 1,938 | 1,949 | 1,960 | 1,949 | 1,944 | 1,974 |
| Other State government | 2,687 | 2,689 | 2,689 | 2,691 | 2,695 | 2,705 | 2,699 | 2.707 | 2,712 | 2,720 | 2,722 | 2,728 | 2.732 |
| Local | 12,381 | 12,403 | 12,431 | 12,438 | 12,470 | 12,520 | 12,507 | 12,509 | 12.578 | 12,561 | 12,564 | 12,592 | 12,638 |
| Education | 6,965 | 6,980 | 6,999 | 7,003 | 7,023 | 7,053 | 7,045 | 7.078 | 7,128 | 7,088 | 7,083 | 7,117 | 7,142 |
| Other local government ... | 5,416 | 5,423 | 5,432 | 5,435 | 5,447 | 5,467 | 5,462 | 5,431 | 5,450 | 5,473 | 5,481 | 5,475 | 5,496 |

1 Includes other industries, not shown separately.
$\mathrm{p}=$ preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997
benchmark levels. When more recent benchmark data are introduced, ali seasonally adjusted data from January 1994 forward are subject to revision.

## B-4. Women employees on nonfarm payrolls by major industry and manufacturing group, seasonaliy adjusted

(in thousands)

| Industry | 1997 |  |  | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. |
| Total ................................................... | 59,810 | 59,974 | 80,114 | 60,220 | 60,308 | 60,380 | 60,460 | 60,689 | 60,791 | 60,893 | 61,008 | 61,130 | 61,184 |
| Total private .......................................... | 48,884 | 49,026 | 49,142 | 49,239 | 49,306 | 49,369 | 49,446 | 49,626 | 49,725 | 49,854 | 49,893 | 49,975 | 50,024 |
| Goods-producing | 6.732 | 6,741 | 6,759 | 6,766 | 6,767 | 6,770 | 6,759 | 6,762 | 6,763 | 6,703 | 6,722 | 6,724 | 6,696 |
| Mining ........................................................ | 82 | 82 | 83 | 83 | 83 | 83 | 82 | 82 | 82 | 81 | 82 | 82 | 80 |
| Construction | 643 | 645 | 648 | 650 | 654 | 655 | 656 | 662 | 669 | 672 | 677 | 676 | 679 |
| Manufacturing ............................................. | 6,007 | 6,014 | 6,028 | 6,033 | 6,030 | 6,032 | 6,021 | 6,018 | 6,012 | 5,950 | 5,963 | 5,966 | 5,937 |
| Durable goods | 2,945 | 2,952 | 2,962 | 2,973 | 2.979 | 2,982 | 2,980 | 2,976 | 2.976 | 2,938 | 2,954 | 2.951 | 2,941 |
| Lumber and wood products | 138 | 139 | 139 | 140 | 141 | 141 | 141 | 141 | 142 | 143 | 143 | 144 | 144 |
| Furniture and fixtures ......... | 161 | 161 | 162 | 163 | 164 | 165 | 166 | 166 | 167 | 168 | 167 | 166 | 167 |
| Stone, clay, and glass products | 105 | 106 | 105 | 107 | 107 | 107 | 106 | 107 | 107 | 107 | 107 | 106 | 107 |
| Primary metal industries | 103 | 104 | 104 | 104 | 104 | 104 | 105 | 103 | 105 | 102 | 104 | 104 | 104 |
| Fabricated metal products | 330 | 330 | 331 | 333 | 334 | 334 | 334 | 334 | 334 | 334 | 336 | 336 | 336 |
| Industrial machinery and equipment | 481 | 482 | 484 | 485 | 486 | 485 | 485 | 482 | 482 | 478 | 475 | 474 | 472 |
| Electronic and other electrical equipment | 706 | 708 | 712 | 714 | 716 | 716 | 712 | 710 | 708 | 702 | 697 | 695 | 687 |
| Transportation equipment ........ | 397 | 399 | 401 | 400 | 401 | 402 | 404 | 406 | 406 | 380 | 402 | 404 | 406 |
| Instruments and related products ................. | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Miscellaneous manufacturing ...................... | 171 | 169 | 170 | 171 | 171 | 171 | 171 | 171 | 170 | 169 | 169 | 169 | 166 |
| Nondurable goods | 3,062 | 3,062 | 3,066 | 3.060 | 3,051 | 3,050 | 3,041 | 3,042 | 3,036 | 3,012 | 3,009 | 3,015 | 2,996 |
| Food and kindred products .......................... | 555 | 557 | 558 | 559 | 559 | 559 | 560 | 562 | 560 | 548 | 554 | 559 | 555 |
| Tobacco products .. | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 13 | 13 | 12 | 12 | 12 | 13 |
| Textile mill products. | 284 | 263 | 283 | 281 | 280 | 278 | 279 | 279 | 277 | 276 | 274 | 275 | 274 |
| Apparel and other textile products ................ | 598 | 594 | 594 | 589 | 582 | 583 | 575 | 571 | 567 | 565 | 557 | 555 | 542 |
| Paper and allied products | 167 | 168 | 168 | 168 | 168 | 168 | 167 | 167 | 167 | 165 | 165 | 165 | 165 |
| Printing and publishing .... | 704 | 705 | 705 | 706 | 705 | 706 | 705 | 707 | 710 | 710 | 707 | 708 | 709 |
| Chemicals and allied products | 330 | 330 | 331 | 330 | 331 | 330 | 330 | 332 | 331 | 333 | 332 | 333 | 331 |
| Patroleum and coal products ....................... | 24 | 24 | 25 | 24 | 24 | 24 | 24 | 24 | 24 | 23 | 23 | 23 | 23 |
| Rubber and misc. plastics products .............. | 341 | 342 | 343 | 345 | 344 | 344 | 343 | 343 | 343 | 338 | 343 | 343 | 342 |
| Leather and leather products ....................... | 46 | 46 | 46 | 45 | 45 | 45 | 44 | 44 | 44 | 42 | 42 | 42 | 42 |
| Service-producing ........................................ | 53,078 | 53,233 | 53,355 | 53,454 | 53.541 | 53,610 | 53,701 | 53,927 | 54,028 | 54,190 | 54,286 | 54,406 | 54,488 |
| Transportation and public utilities ................ | 1,944 | 1,944 | 1,939 | 1,946 | 1,948 | 1,949 | 1,951 | 1,960 | 1,963 | 1,969 | 1,980 | 1,991 | 2,002 |
| Wholesale trade | 2.066 | 2.066 | 2.067 | 2,078 | 2.077 | 2,078 | 2,082 | 2,089 | 2,090 | 2,096 | 2,096 | 2,096 | 2,099 |
| Retall trade | 11,632 | 11,677 | 11,700 | 11.713 | 11,712 | 11,707 | 11,720 | 11,786 | 11,819 | 11,884 | 11,875 | 11,902 | 11,898 |
| Finance, insurance, and real estate ............... | 4,498 | 4,511 | 4,526 | 4,539 | 4.546 | 4.563 | 4,582 | 4.593 | 4,604 | 4,617 | 4.619 | 4,629 | 4.643 |
| Services | 22,012 | 22,087 | 22,151 | 22,197 | 22.256 | 22,302 | 22,352 | 22,436 | 22,486 | 22,585 | 22.601 | 22,633 | 22,686 |
| Government | 10,926 | 10,948 | 10,972 | 10,981 | 11,002 | 11.011 | 11.014 | 11,063 | 11,066 | 11.039 | 11.115 | 11.155 | 11,160 |
| Federal | 1,142 | 1,144 | 1,154 | 1,141 | 1,140 | 1,137 | 1,136 | 1,136 | 1,142 | 1,127 | 1,133 | 1,137 | 1,148 |
| State. | 2,360 | 2,365 | 2,363 | 2,365 | 2,367 | 2,371 | 2,369 | 2,375 | 2,377 | 2,385 | 2,397 | 2,405 | 2,406 |
| Local .... | 7.424 | 7.439 | 7.455 | 7,475 | 7.495 | 7,503 | 7.509 | 7.552 | 7.547 | 7.527 | 7.585 | 7,613 | 7,606 |

${ }^{1}$ This series is not published seasonally adjusted because the seasonal component, which is small relative to the trend-cycle and irregular components, cannot be separated with sufficient precision.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

B-5. Production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolis by major industry and manufacturing group, seasonally adjusted
(In thousands)

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p | Dec.P |
| Total private .......................................... | 85,705 | 85,947 | 86,073 | 86,113 | 86,282 | 86,526 | 86,698 | 86,787 | 86,903 | 87,072 | 87.188 | 87,319 | 87,570 |
| Goods-producing ......................................... | 17,947 | 18,039 | 18,037 | 17,996 | 18,043 | 17,989 | 17,984 | 17,803 | 17,896 | 17,910 | 17,889 | 17,860 | 17,960 |
| Mining ........................................................ | 449 | 450 | 450 | 445 | 440 | 440 | 438 | 434 | 432 | 431 | 428 | 424 | 423 |
| Construction ............................................... | 4,497 | 4.566 | 4,563 | 4,538 | 4,596 | 4,578 | 4,603 | 4,623 | 4,628 | 4,614 | 4,640 | 4,669 | 4,773 |
| Manufacturing ............................................. | 13,001 | 13,023 | 13,024 | 13,013 | 13,007 | 12,971 | 12,943 | 12,746 | 12,836 | 12,865 | 12,821 | 12,767 | 12.764 |
| Durable goods | 7,644 | 7.669 | 7,676 | 7,669 | 7,666 | 7.642 | 7.626 | 7,468 | 7,577 | 7,584 | 7.566 | 7,526 | 7,522 |
| Lumber and wood products | 658 | 660 | 660 | 659 | 660 | 660 | 658 | 661 | 660 | 661 | 662 | 664 | 664 |
| Furniture and fixtures ..... | 410 | 412 | 413 | 415 | 418 | 419 | 417 | 420 | 418 | 417 | 417 | 417 | 421 |
| Stone, clay, and glass products .................... | 436 | 441 | 441 | 436 | 436 | 436 | 438 | 438 | 440 | 441 | 441 | 444 | 446 |
| Primary metal industries ............................. | 562 | 564 | 564 | 565 | 563 | 561 | 561 | 551 | 558 | 557 | 553 | 546 | 545 |
| Fabricated metal products ........................... | 1,125 | 1,130 | 1,132 | 1,131 | 1,132 | 1.127 | 1,122 | 1,111 | 1.118 | 1.120 | 1,118 | 1.115 | 1,114 |
| Industrial machinery and equipment | 1,386 | 1,389 | 1,391 | 1,391 | 1,389 | 1,389 | 1,392 | 1,385 | 1,384 | 1,380 | 1,377 | 1,368 | 1,361 |
| Electronic and other electrical equipment ....... | 1,086 | 1,089 | 1,087 | 1,085 | 1,081 | 1,079 | 1,075 | 1,062 | 1,056 | 1.059 | 1,050 | 1,039 | 1,041 |
| Transportation equipment ............................ | 1.280 | 1,279 | 1,283 | 1,281 | 1,279 | 1,267 | 1,262 | 1,138 | 1,245 | 1,251 | 1,257 | 1,245 | 1,241 |
| Molor vehicles and equipment ..................... | 790 | 787 | 788 | 784 | 784 | 774 | 768 | 641 | 752 | 757 | 762 | 754 | 752 |
| Instruments and related products ................. | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Miscellaneous manufacturing ....................... | 272 | 273 | 273 | 273 | 274 | 271 | 270 | 271 | 269 | 269 | 264 | 263 | 264 |
| Nondurable goods | 5,357 | 5,354 | 5,348 | 5,344 | 5,341 | 5,329 | 5,317 | 5,278 | 5,259 | 5,281 | 5,255 | 5,241 | 5,242 |
| Food and kindred products | 1,263 | 1,265 | 1,267 | 1,267 | 1,271 | 1,273 | 1,270 | 1,256 | 1,249 | 1.265 | 1,264 | 1,272 | 1,277 |
| Tobacco products ...................................... | 32 | 32 | 32 | 32 | 33 | 32 | 31 | 30 | 30 | 31 | 31 | 31 | 31 |
| Textile mill products ................................... | 519 | 516 | 514 | 513 | 513 | 511 | 509 | 503 | 499 | 502 | 499 | 493 | 488 |
| Apparel and other textile products | 656 | 652 | 645 | 643 | 633 | 627 | 624 | 622 | 613 | 612 | 596 | 587 | 584 |
| Paper and allied products ............................ | 524 | 525 | 525 | 525 | 524 | 522 | 520 | 516 | 517 | 517 | 515 | 512 | 513 |
| Printing and publishing ............................... | 850 | 850 | 848 | 845 | 846 | 847 | 848 | 846 | 844 | 844 | 844 | 840 | 836 |
| Chemicals and allied products ..................... | 578 | 580 | 582 | 583 | 583 | 584 | 584 | 584 | 581 | 582 | 581 | 580 | 583 |
| Petroteum and coal products ....................... | 92 | 89 | 89 | 89 | 90 | 89 | 89 | 89 | 88 | 89 | 89 | 89 | 91 |
| Rubber and misc. plastics products ............... | 777 | 780 | 781 | 783 | 784 | 781 | 780 | 771 | 778 | 780 | 777 | 779 | 782 |
| Leather and leather products ....................... | 66 | 65 | 65 | 64 | 64 | 63 | 62 | 61 | 60 | 59 | 59 | 58 | 57 |
| Service-producing | 67.758 | 67,908 | 68,036 | 68,117 | 68,239 | 68,537 | 68,714 | 68,984 | 69,007 | 69,162 | 69,299 | 69,459 | 69,610 |
| Transportation and public utilities ................ | 5,367 | 5,374 | 5,372 | 5,375 | 5,373 | 5,402 | 5,401 | 5,424 | 5,456 | 5,457 | 5.472 | 5,484 | 5,509 |
| Wholesale trade | 5.407 | 5,426 | 5,431 | 5,436 | 5,448 | 5,457 | 5,464 | 5,477 | 5,479 | 5,497 | 5,500 | 5,505 | 5,511 |
| Retail trade | 19,570 | 19,585 | 19,605 | 19,582 | 19,596 | 19,710 | 19,719 | 19,817 | 19,795 | 19,828 | 19,825 | 19,860 | 19,890 |
| Finance, insurance, and real estate ............... | 5,264 | 5.287 | 5,307 | 5,329 | 5,353 | 5,367 | 5,391 | 5,416 | 5,417 | 5,426 | 5.449 | 5,460 | 5,481 |
| Services | 32,150 | 32,236 | 32,321 | 32,395 | 32,469 | 32,601 | 32,739 | 32,850 | 32,860 | 32,954 | 33,053 | 33,150 | 33,219 |

1 Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities: wholesale and retail trade; finance, insurance and real estate; and services.
2 This series is not published seasonally adjusted because the seasonal component, which is small relative to the trend-cycle and irregular components,
cannot be separated with sulficient precision.
$\mathrm{p}=$ preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED
B-6. Diffusion indexes of employment change, seasonally adjusted
(Percent)

| Time span | Jan. | Feb. | Mar. | Apr. | May | Jun. | Jut. | Aug. | Sept. | Oct. | Nov. | Dec. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Private nonfarm payrolis, 356 industries ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |
| Over 1-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994 ....................... | 59.3 | 60.5 | 67.0 | 64.5 | 58.6 | 63.3 | 63.8 | 61.7 | 61.5 | 60.4 | 64.0 | 61.7 |
| 1995 | 62.5 | 60.0 | 54.9 | 55.6 | 47.8 | 55.6 | 54.8 | 59.0 | 58.0 | 55.8 | 54.5 | 58.8 |
| 1996 ....................... | 50.8 | 64.6 | 59.6 | 56.6 | 62.8 | 61.0 | 57.3 | 61.5 | 56.0 | 62.5 | 62.2 | 60.7 |
| 1997 ....................... | 58.0 | 61.4 | 59.8 | 63.6 | 60.1 | 54.6 | 61.1 | 59.1 | 60.0 | 64.3 | 62.4 | 64.9 |
| 1998 ....................... | 63.8 | 58.7 | 59.6 | 56.9 | 56.6 | 59.0 | 55.1 | 53.9 | 53.5 | 52.4 | P54.4 | P59.3 |
| Over 3-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994 ....................... | 64.5 | 69.2 | 69.9 | 68.4 | 66.6 | 67.1 | 69.0 | 69.5 | 66.2 | 65.6 | 66.6 | 66.3 |
| 1995 ....................... | 63.6 | 61.4 | 59.4 | 53.1 | 55.2 | 53.2 | 59.7 | 60.1 | 59.1 | 58.0 | 56.6 | 54.6 |
| 1996. | 61.9 | 62.8 | 64.0 | 63.8 | 63.5 | 64.9 | 64.2 | 61.5 | 63.9 | 64.2 | 67.0 | 66.6 |
| 1997 ....................... | 64.9 | 63.3 | 65.6 | 66.2 | 63.9 | 61.2 | 60.1 | 65.9 | 67.4 | 68.1 | 70.8 | 71.9 |
| 1998 | 68.4 | 67.3 | 64.2 | 61.7 | 60.4 | 58.4 | 57.2 | 56.7 | 56.0 | P54.4 | P58.0 |  |
| Over 6-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994 ....................... | 70.9 | 69.9 | 69.7 | 71.2 | 70.2 | 69.8 | 69.8 | 70.2 | 68.7 | 67.4 | 66.7 | 65.4 |
| 1995 ....................... | 66.4 | 60.1 | 59.1 | 57.3 | 59.0 | 60.1 | 57.6 | 60.4 | 59.7 | 59.3 | 61.1 | 63.2 |
| 1996 ....................... | 62.8 | 65.4 | 64.7 | 65.7 | 66.2 | 65.0 | 66.4 | 66.0 | 66.2 | 67.6 | 66.9 | 66.3 |
| 1997 | 67.6 | 67.0 | 65.3 | 64.9 | 65.6 | 67.3 | 68.0 | 67.3 | 70.6 | 72.3 | 73.3 | 72.6 |
| 1998 ....................... | 72.1 | 70.9 | 69.4 | 63.5 | 64.5 | 61.8 | 59.0 | P58.6 | P59.1 |  |  |  |
| Over 12-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994 ....................... | 70.2 | 71.6 | 71.8 | 71.8 | 72.1 | 71.8 | 71.5 | 72.1 | 70.1 | 69.5 | 66.6 | 65.0 |
| 1995 ....................... | 63.6 | 62.4 | 62.6 | 63.3 | 61.7 | 61.9 | 58.7 | 62.2 | 62.2 | 61.5 | 63.5 | 65.4 |
| 1996 ....................... | 64.5 | 66.7 | 64.5 | 65.6 | 68.5 | 67.3 | 67.7 | 66.4 | 68.0 | 69.9 | 69.1 | 68.3 |
| 1997 ... | 69.8 | 67.6 | 69.2 | 70.1 | 69.8 | 69.8 | 71.2 | 71.2 | 71.1 | 73.0 | 72.9 | 72.3 |
| 1998 ......................... | 71.2 | 69.5 | 69.5 | 66.6 | P64.5 | P63.2 |  |  |  |  |  |  |
|  | Manufacturing payrolls, 139 industries ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |
| Over 1-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994 ............ | 56.8 | 56.5 | 60.1 | 59.0 | 53.6 | 58.3 | 59.0 | 55.8 | 53.6 | 56.5 | 58.3 | 56.8 |
| 1995. | 54.7 | 54.3 | 46.4 | 53.2 | 42.4 | 44.2 | 46.4 | 49.6 | 48.6 | 52.2 | 45.3 | 48.2 |
| 1996 ....................... | 42.8 | 54.7 | 48.2 | 42.1 | 55.4 | 50.7 | 47.1 | 55.4 | 47.8 | 52.9 | 54.3 | 55.4 |
| 1997 ........................ | 49.3 | 54.3 | 50.0 | 56.8 | 51.4 | 52.2 | 50.4 | 48.9 | 56.5 | 57.2 | 56.1 | 60.8 |
| 1998. | 55.8 | 51.8 | 52.5 | 48.6 | 45.0 | 47.8 | 39.6 | 47.5 | 43.2 | 38.8 | P37.4 | P47.8 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| $1994 . . . . . . . . . . . . . . . . . . . . . . ~$ | 60.4 | 63.7 | 63.7 | 60.4 | 57.6 | 59.7 | 61.9 | 56.8 | 54.3 | 55.4 | 60.8 | 59.0 |
| 1995 ........................ | 56.8 | 50.0 | 47.8 | 42.1 | 43.2 | 38.8 | 40.6 | 43.5 | 48.2 | 47.1 | 45.3 | 39.9 |
| 1996. | 43.9 | 46.8 | 46.0 | 47.5 | 46.4 | 49.3 | 51.4 | 50.0 | 53.6 | 51.1 | 57.6 | 54.7 |
| 1997 ....................... | 54.3 | 49.3 | 54.3 | 54.0 | 55.4 | 50.4 | 47.5 | 52.2 | 57.9 | 62.6 | 64.7 | 65.5 |
| 1998 ...................... | 60.1 | 59.0 | 50.7 | 46.4 | 43.2 | 38.8 | 36.7 | 34.2 | 41.4 | F30.9 | P35.6 |  |
| Over 6-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1995 | 55.4 | 46.4 | 42.8 | 40.3 | 41.4 | 42.4 | 41.0 | 41.0 | 43.9 | 43.2 | 43.2 | 45.3 |
| 1996 ......................... | 42.1 | 45.3 | 46.4 | 47.1 | 48.2 | 48.6 | 51.1 | 50.4 | 52.9 | 52.9 | 53.2 | 52.2 |
| 1997 ....................... | 54.3 | 54.3 | 51.4 | 52.9 | 51.4 | 55.0 | 56.8 | 57.6 | 60.4 | 64.4 | 67.6 | 65.8 |
| 1998. | 61.5 | 56.8 | 52.2 | 39.2 | 40.6 | 34.5 | 30.9 | P29.1 | P32.4 |  |  |  |
| Over 12-month span: |  |  |  |  |  |  |  |  |  |  |  |  |
| 1994 ....................... | 57.9 | 58.6 | 60.8 | 60.8 | 60.8 | 63.3 | 59.4 | 60.1 | 57.2 | 56.5 | 50.4 | 49.6 |
| 1995 ........................ | 46.0 | 44.2 | 46.0 | 47.8 | 41.0 | 41.7 | 38.5 | 38.8 | 36.3 | 38.5 | 39.9 | 44.6 |
| 1996 ....................... | 43.5 | 47.5 | 45.3 | 45.3 | 50.4 | 49.6 | 50.4 | 48.6 | 51.1 | 55.0 | 54.0 | 51.8 |
| 1997 ....................... | 57.2 | 52.5 | 54.7 | 56.5 | 57.9 | 57.6 | 58.6 | 58.6 | 60.4 | 60.4 | 59.4 | 58.3 |
| 1998 ....................... | 50.7 | 51.1 | 50.4 | 41.7 | P37.4 | P36.0 |  |  |  |  |  |  |

[^10]where 50 percent indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1997) and all seasonally adjusted Jata (beginning January 1994) are subject to revision.

B-7. Employees on nonfarm payroils by State and major industry, seasonally adjusted
(In thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. ${ }^{\text {P }}$ |
|  | Total ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 1,871.0 | 1,871.9 | 1,876.0 | 1,877.2 | 1,879.4 | 1,878.2 | 1,882.3 | 1,884.4 | 1,881.5 | 1,886.3 | 1,886.1 | 1,896.2 | 1,886.4 |
| Alaska | 268.8 | 268.3 | 270.2 | 273.1 | 273.7 | 273.8 | 274.1 | 274.1 | 276.1 | 274.1 | 273.9 | 273.8 | 274.5 |
| Arizona | 2.011 .8 | 2,021.9 | 2.031 .5 | 2,037.9 | 2,045.6 | 2,048.3 | 2,060.0 | 2,073.8 | 2,064.2 | 2,072.9 | 2,092.9 | 2,091.0 | 2,105.8 |
| Arkansas | 1,110.6 | 1,111.6 | 1,110.5 | 1,113.1 | 1,118.9 | 1,124.0 | 1,125.8 | 1,125.5 | 1,125.7 | 1,130.1 | 1,125.5 | 1,126.1 | 1,129.2 |
| California | 13,367.0 | 13,398.3 | 13,401.2 | 13,439.9 | 13,485.6 | 13,512.4 | 13,556.0 | 13,582.6 | 13,586.2 | 13,619.7 | 13,656.0 | 13,698.2 | 13,727.9 |
| Colorado | 2,003.3 | 2,009.5 | 2,017.8 | 2,019,9 | 2,023.9 | 2,022.0 | 2,038.1 | 2,045.3 | 2,054.9 | 2,054.2 | 2,062.0 | 2,065.5 | 2,063.3 |
| Connecticut | 1,634.6 | 1,642.6 | 1,639.6 | 1,641.2 | 1,639.6 | 1,641.9 | 1,641.8 | 1,644.9 | 1,643.8 | 1,649.9 | 1,640.7 | 1,649.7 | 1,654.6 |
| Delaware | 393.6 | 395.5 | 394.6 | 396.6 | 398.0 | 398.3 | 400.3 | 399.7 | 399.0 | 401.1 | 403.1 | 404.2 | 406.0 |
| District of Columbia | 610.8 | 610.4 | 613.1 | 609.4 | 610.9 | 609.7 | 610.3 | 610.6 | 605.0 | 611.9 | 612.2 | 611.7 | 612.2 |
| Florida ................. | 6,534.1 | 6.551 .6 | 6,566.0 | 6,577.9 | 6,604.1 | 6,610.3 | 6,645.5 | 6,667.0 | 6,692.9 | 6,708.3 | 6,728.4 | 6,743.6 | 6,765.6 |
| Georgia | 3,674.8 | 3,690.0 | 3,690.7 | 3,707.4 | 3,714.9 | 3,718.2 | 3,729.2 | 3,727.7 | 3,724.9 | 3,740.4 | 3,752.8 | 3,757.5 | 3,773.9 |
| Hawaii | 532.8 | 530.5 | 528.6 | 528.4 | 529.0 | 527.8 | 527.7 | 525.6 | 522.6 | 526.6 | 531.0 | 526.7 | 524.3 |
| Idaho | 513.5 | 514.0 | 515.1 | 516.1 | 516.7 | 516.6 | 516.1 | 516.9 | 519.4 | 521.3 | 519.1 | 523.6 | 524.1 |
| \|llinois | 5,823.5 | 5,833.8 | 5,837.8 | 5,833.2 | 5,834.5 | 5,852.9 | 5,863.7 | 5,877.4 | 5,884.7 | 5,879.1 | 5,880.0 | 5,890.5 | 5,884.4 |
| Indiana | 2,873.9 | 2,884.0 | 2,874.6 | 2,878.8 | 2,880.0 | 2,891.4 | 2,898.7 | 2,885.8 | 2,861.6 | 2,879.3 | 2,884.9 | 2,886.7 | 2,882.4 |
| lowa | 1,416.9 | 1,419.2 | 1,423.0 | 1,426.1 | 1,429.2 | 1,436.7 | 1,439.0 | 1,439.9 | 1,450.6 | 1,442.2 | 1,442.2 | 1,448.5 | 1,444.4 |
| Kansas | 1,282.8 | 1,287.4 | 1,291.5 | 1,294.4 | 1,294.4 | 1,297.7 | 1,305.7 | 1,304.2 | 1,305.4 | 1,305.3 | 1,309.2 | 1,312.2 | 1,315.3 |
| Kentucky | 1,726.2 | 1,732.0 | 1,738.5 | 1,735.4 | 1,738.0 | 1,745.1 | 1,749.3 | 1,751.9 | 1,747.1 | 1,759.2 | 1,756.4 | 1,755.4 | 1,757.9 |
| Louisiana | 1,867.7 | 1,869.8 | 1,870.5 | 1,875.8 | 1,879.5 | 1,879.4 | 1,884.5 | 1,890.0 | 1,885.4 | 1,882.6 | 1,884.8 | 1,885.5 | 1,890.3 |
| Maine | 560.8 | 561.4 | 558.1 | 560.8 | 561.0 | 561.0 | 560.9 | 562.3 | 564.1 | 564.9 | 567.9 | 569.3 | 570.3 |
| Maryland | 2,272.1 | 2,273.8 | 2,282.0 | 2,282.4 | 2,277.2 | 2,272.8 | 2,272.0 | 2,275.3 | 2,279.2 | 2282.4 | 2,298.8 | 2,309.3 | $2,317.5$ |
| Massachusetts | 3,157.6 | 3,168.4 | 3,173.0 | 3,185.5 | 3,190.6 | 3,196.7 | 3,207.5 | 3,205.1 | 3,212.4 | 3,208.9 | 3,210.3 | 3,212.4 | 3,218.6 |
| Michigan .. | 4,471.1 | 4,489.6 | 4,495.7 | 4,506.7 | 4,503.3 | 4,525.7 | 4,541.4 | 4,541.2 | 4,474.9 | 4,541.9 | 4,554.9 | 4,565.4 | 4,564.8 |
| Minnesota | 2,512.6 | 2,518.5 | 2,514.1 | 2,522.3 | 2,530.1 | 2,528.3 | 2,541.8 | 2,551.7 | 2,554.7 | 2,559.6 | 2,547.5 | 2,564.1 | 2,568.4 |
| Mississippi | 1,113.1 | 1,112.6 | 1,117.6 | 1,120.9 | 1,117.2 | 1,120.7 | 1,122.9 | 1,121.4 | 1,128.9 | 1,122.6 | 1,119,3 | 1,124.7 | 1,124.2 |
| Missouri | 2,652.0 | 2.658 .9 | 2,664.4 | 2,662.9 | 2,651.6 | 2,663.3 | 2,675.3 | 2,677.7 | 2,666.5 | 2,676.2 | 2,686.7 | 2,687.5 | 2,689.3 |
| Montana | 369.0 | 370.3 | 368.7 | 370.6 | 370.2 | 370.6 | 373.0 | 368.4 | 370.9 | 369.9 | 370.1 | 370.5 | 371.8 |
| Nebraska | 866.4 | 868.6 | 874.0 | 878.5 | 873.0 | 878.2 | 876.5 | 876.2 | 880.6 | 877.0 | 878.8 | 879.8 | 879.4 |
| Nevada | 904.2 | 907.2 | 907.0 | 912.8 | 916.0 | 920.9 | 921.8 | 927.8 | 931.8 | 935.2 | 940.5 | 948.1 | 948.5 |
| Now Hampshire | 572.5 | 570.0 | 572.7 | 572.6 | 570.7 | 573.8 | 574.2 | 573.9 | 575.6 | 570.4 | 569.3 | 571.6 | 569.9 |
| Now Jersey | 3,758.2 | 3,766.5 | 3,771.3 | 3,784.2 | 3,788.0 | 3,785.2 | 3,796.8 | 3,801.8 | 3.796.4 | 3,804.0 | 3,815.0 | 3,815.6 | 3,821.9 |
| Now Mexico | 713.3 | 713.9 | 712.7 | 713.1 | 714.4 | 713.0 | 715.2 | 719.2 | 720.5 | 722.5 | 722.2 | 723.3 | 723.7 |
| Now York | 8,083.4 | 8,095.6 | 8,082.4 | 8,098.6 | 8,117.5 | 8,124.9 | 8,140.0 | 8,146.4 | 8,138.4 | 8,166.8 | 8,187.1 | 8,207.4 | 8,218.0 |
| North Carolina | 3,716.8 | 3,715.4 | 3,719.6 | 3,734.1 | 3,735.5 | 3,739.3 | 3,746.2 | 3,739.5 | 3.728 .2 | 3,776.5 | 3,753.3 | 3,760.4 | 3,767.4 |
| North Dakota | 315.1 | 316.2 | 317.4 | 319.0 | 318.1 | 318.0 | 318.6 | 320.0 | 319.9 | 317.0 | 317.5 | 316.8 | 316.1 |
| Ohio | 5,417.1 | 5,421.7 | 5,439.2 | 5,436.3 | 5.445 .3 | 5,448.6 | 5,460.4 | 5,459.1 | 5,431.7 | 5,470.7 | 5.475.6 | 5,484.4 | 5,485.2 |
| Oklahoma | 1,403.4 | 1,405.1 | 1,405.7 | 1.410.7 | 1.415 .9 | 1.418 .4 | 1,427.8 | 1,423.5 | 1,421.9 | 1,430.3 | 1,436.7 | 1.436.7 | 1,443.9 |
| Oregon | 1.536.9 | 1,551.0 | 1,551.8 | 1,557.3 | 1,561.9 | 1,563.9 | 1,564.6 | 1,563.6 | 1,564.5 | 1,563.8 | 1,566.7 | 1,573.0 | 1,579.4 |
| Pennsylvania | 5,434.4 | 5,446.5 | 5,453.9 | 5,448.0 | 5,447.2 | 5,455.7 | 5,457.8 | 5,444.0 | 5,464.2 | 5,460.8 | 5,491.8 | 5,479.5 | 5,487.7 |
| Rhode Island | 451.1 | 453.4 | 452.7 | 454.1 | 453.7 | 455.3 | 456.8 | 455.0 | 454.6 | 453.4 | 455.2 | 455.2 | 456.4 |
| South Carolina | 1,735.0 | 1.749.1 | 1.763 .5 | 1,767.8 | 1,775.6 | 1,784.8 | 1,788.2 | 1,804.1 | 1,794.9 | 1,797.3 | 1,804.3 | 1,806.4 | 1,816.3 |
| South Dakota | 355.7 | 356.1 | 354.9 | 357.0 | 357.3 | 358.0 | 360.3 | 358.5 | 360.0 | 360.5 | 361.0 | 361.8 | 362.1 |
| Tennessee | 2,603.0 | 2,605.3 | 2,618.6 | 2,620.7 | 2,623.6 | 2,623.5 | 2,621.3 | 2,623.5 | 2,620.9 | 2,616.2 | 2,625.9 | 2,634.8 | 2,637.9 |
| Texas | 8,732.1 | 8,760.7 | 8,755.4 | 8,801.2 | 8,824.5 | 8,855.0 | 8,873.9 | 8,877.8 | 8,888.3 | 8,915.1 | 8,938.6 | 8,955.4 | 8,970.0 |
| Utah | 1,010.6 | 1,014.3 | 1,015.6 | 1,018.2 | 1,024.3 | 1,024.4 | 1,026.3 | 1,024.1 | 1,022.0 | 1,024.4 | 1,027.8 | 1,030.9 | 1,031.9 |
| Vermont | 279.7 | 281.4 | 279.3 | 280.0 | 280.1 | 281.5 | 282.6 | 283.8 | 282.3 | 283.9 | 283.7 | 282.9 | 283.7 |
| Virginia | 3,267.2 | 3,278.7 | 3,280.0 | 3,291.1 | 3,303.6 | 3,306.9 | 3,314.1 | 3,322.2 | 3,331.8 | 3,337.7 | 3,340.1 | 3,343.1 | 3,345.9 |
| Washington | 2,534.5 | 2,543.6 | 2,546.0 | 2,558.5 | $2,566.4$ | 2,576.5 | 2,587.9 | 2,593.4 | 2,606.1 | 2,615.1 | 2,603.4 | 2,609.9 | 2,612.3 |
| West Virginia | 717.7 | 717.1 | 715.3 | 715.6 | 715.2 | 715.1 | 724.2 | 714.2 | 713.3 | 717.2 | 721.7 | 726.6 | 724.8 |
| Wisconsin | 2.679.4 | 2,684.9 | 2,691.4 | 2,694.1 | 2,696.5 | 2.702 .6 | 2,709.6 | 2,713.1 | 2,709.5 | 2,724.8 | 2,717.0 | 2,715.8 | 2,725.4 |
| Wyoming .. | 223.2 | 223.0 | 222.8 | 222.4 | 223.9 | 224.3 | 225.8 | 224.4 | 227.9 | 229.0 | 226.2 | 225.6 | 226.5 |

ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED
B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted - Continued
(in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
|  | Construction |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 96.5 | 96.2 | 97.1 | 97.9 | 97.0 | 98.7 | 100.2 | 100.8 | 101.2 | 101.9 | 100.0 | 99.7 | 100.6 |
| Alaska | 12.7 | 12.8 | 12.8 | 12.8 | 12.8 | 13.0 | 13.0 | 13.2 | 13.2 | 13.2 | 12.9 | 12.9 | 13.2 |
| Arizona | 131.4 | 131.6 | 134.5 | 133.5 | 134.5 | 133.3 | 135.2 | 136.7 | 137.7 | 137.0 | 139.5 | 139.9 | 140.9 |
| Arkansas | 48.0 | 48.1 | 47.5 | 47.5 | 47.7 | 48.8 | 49.4 | 49.3 | 49.6 | 49.3 | 49.9 | 49.9 | 50.2 |
| California | 573.1 | 577.9 | 583.4 | 582.3 | 591.9 | 591.6 | 593.1 | 604.6 | 613.1 | 616.2 | 615.3 | 623.8 | 627.2 |
| Colorado ......................................... | 118.0 | 122.1 | 127.3 | 128.0 | 127.9 | 126.5 | 127.1 | 126.8 | 127.6 | 128.2 | 131.2 | 132.5 | 131.3 |
| Connecticut | 58.1 | 58.9 | 60.1 | 60.1 | 59.8 | 59.6 | 59.0 | 58.4 | 58.5 | 58.8 | 59.6 | 59.8 | 60.3 |
| Delaware | 22.2 | 22.5 | 23.1 | 228 | 22.2 | 22.1 | 21.7 | 22.1 | 22.5 | 22.6 | 22.9 | 22.9 | 23.4 |
| District of Columbia | 8.4 | 8.8 | 8.7 | 8.8 | 8.9 | 8.7 | 8.6 | 8.8 | 8.9 | 8.6 | 8.5 | 8.4 | 8.3 |
| Florida ................ | 339.3 | 339.9 | 340.5 | 340.6 | 342.6 | 344.5 | 347.0 | 348.1 | 348.8 | 351.7 | 350.3 | 352.6 | 353.4 |
| Georgia | 173.3 | 175.2 | 177.2 | 177.2 | 178.2 | 178.5 | 179.7 | 180.0 | 179.8 | 181.7 | 182.7 | 183.0 | 183.1 |
| Hawaii ${ }^{2}$ | 21.9 | 21.8 | 21.9 | 21.9 | 22.1 | 21.8 | 21.9 | 21.6 | 20.9 | 21.3 | 20.8 | 19.8 | 19.6 |
| Idaho | 32.5 | 32.3 | 32.7 | 33.2 | 32.6 | 32.9 | 31.9 | 32.4 | 32.2 | 32.8 | 32.3 | 32.7 | 32.7 |
| Illinois | 239.3 | 239.1 | 239.8 | 240.8 | 235.9 | 241.4 | 238.8 | 239.5 | 237.6 | 238.8 | 240.3 | 242.2 | 241.3 |
| Indiana | 142.3 | 142.9 | 143.3 | 143.8 | 140.6 | 144.5 | 143.2 | 138.6 | 139.9 | 139.1 | 138.4 | 139.3 | 139.7 |
| lowa | 60.5 | 61.0 | 60.1 | 60.3 | 60.6 | 62.3 | 62.6 | 62.5 | 63.3 | 62.4 | 62.3 | 62.3 | 61.9 |
| Kansas | 59.4 | 59.3 | 60.7 | 60.8 | 58.5 | 60.2 | 61.7 | 62.0 | 62.2 | 62.7 | 61.9 | 62.1 | 62.0 |
| Kentucky | 81.6 | 82.3 | 85.2 | 83.3 | 85.4 | 86.3 | 86.4 | 86.1 | 85.8 | 86.1 | 85.9 | 85.9 | 85.4 |
| Louisiana | 117.4 | 117.1 | 117.9 | 118.0 | 118.4 | 118.6 | 119.8 | 122.2 | 123.3 | 122.8 | 122.4 | 123.8 | 125.8 |
| Maine | 24.4 | 24.4 | 24.4 | 24.4 | 24.2 | 24.1 | 24.2 | 24.4 | 24.6 | 25.0 | 25.4 | 25.4 | 25.6 |
| Maryland | 139.7 | 140.3 | 140.6 | 140.1 | 137.4 | 136.6 | 134.4 | 134.6 | 135.8 | 137.4 | 137.2 | 138.9 | 139.9 |
| Massachusetts | 102.5 | 104.4 | 107.9 | 108.8 | 108.3 | 108.2 | 107.8 | 107.4 | 108.9 | 108.8 | 107.4 | 108.2 | 110.7 |
| Michigan | 184.1 | 186.1 | 184.8 | 187.3 | 184.6 | 190.3 | 188.0 | 189.0 | 187.7 | 185.9 | 185.5 | 188.3 | 189.5 |
| Minnesota | 95.7 | 96.3 | 97.6 | 99.4 | 99.2 | 99.7 | 100.4 | 99.7 | 99.2 | 100.2 | 101.2 | 100.9 | 102.5 |
| Mississippi ...................................... | 51.6 | 51.5 | 52.7 | 52.6 | 51.9 | 52.4 | 52.2 | 53.5 | 55.3 | 55.0 | 54.6 | 55.6 | 56.7 |
| Missouri | 125.2 | 124.9 | 123.1 | 124.8 | 118.5 | 123.6 | 124.0 | 122.8 | 127.8 | 126.8 | 127.3 | 128.7 | 129.9 |
| Montana | 18.6 | 18.9 | 18.9 | 18.7 | 18.2 | 18.0 | 18.2 | 17.8 | 18.3 | 18.0 | 17.3 | 17.4 | 17.7 |
| Nebraska | 39.2 | 40.9 | 42.8 | 42.4 | 40.8 | 40.9 | 40.7 | 39.9 | 40.3 | 41.0 | 40.6 | 40.6 | 40.4 |
| Nevada | 83.7 | 84.0 | 85.1 | 85.2 | 86.1 | 87.0 | 87.6 | 89.6 | 90.5 | 91.3 | 90.6 | 89.6 | 89.7 |
| New Hampshire | 21.0 | 21.4 | 21.8 | 22.0 | 22.2 | 22.4 | 22.4 | 21.9 | 22.0 | 21.8 | 21.8 | 21.6 | 21.7 |
| Now Jersey | 131.8 | 131.9 | 135.6 | 137.1 | 136.4 | 136.2 | 135.4 | 135.8 | 136.7 | 137.3 | 138.5 | 137.8 | 138.4 |
| New Mexico | 42.2 | 42.2 | 42.1 | 42.1 | 42.2 | 42.6 | 42.9 | 43.2 | 43.4 | $\begin{array}{r}43.5 \\ \hline 800\end{array}$ | $\begin{array}{r}43.0 \\ \hline 80\end{array}$ | 43.2 | 42.7 |
| New York | 267.8 | 268.1 | 265.6 | 268.5 | 270.6 | 271.8 | 273.5 | 275.8 | 280.5 | 280.0 | 280.7 | 283.5 | 285.4 |
| North Carolina | 207.9 | 208.7 | 211.7 | 208.7 | 209.5 | 210.3 | 210.6 | 210.6 | 210.0 | 210.2 | 210.3 | 212.1 | 213.1 |
| North Dakota | 14.8 | 14.9 | 15.1 | 15.2 | 15.1 | 15.3 | 15.5 | 16.2 | 16.1 | 15.6 | 15.1 | 15.0 | 14.6 |
| Ohio | 225.4 | 225.3 | 226.7 | 228.4 | 228.1 | 232.9 | 233.5 | 233.4 | 232.0 | 234.4 | 233.8 | 232.9 | 233.9 |
| Oklahoma | 50.9 | 50.8 | 51.8 | 52.1 | 52.3 | 52.5 | 53.0 | 53.0 | 52.9 | 52.8 | 53.2 | 52.8 | 52.8 |
| Oregon ........ | 83.1 | 84.6 | 82.3 | 84.3 | 84.9 | 85.7 | 83.0 | 82.0 | 82.0 | 82.9 | 81.7 | 84.6 | 85.1 |
| Pennsylvania | 216.4 | 217.1 | 218.4 | 219.4 | 220.6 | 222.2 | 223.2 | 222.9 | 220.8 | 221.6 | 220.6 | 220.2 | 222.8 |
| Rhode Island | 14.9 | 15.1 | 15.4 | 15.5 | 16.1 | 16.9 | 16.6 | 16.4 | 16.3 | 16.7 | 16.7 | 17.1 | 17.3 |
| South Carolina ................................. | 101.6 | 103.3 | 104.9 | 106.0 | 106.7 | 107.9 | 108.8 | 109.7 | 109.4 | 110.4 | 111.1 | 111.5 | 111.9 |
| South Dakota ................................................ | 15.7 | 15.9 | 15.9 | 16.0 | 15.6 | 15.9 | 15.9 | 15.8 | 15.7 | 15.5 | 15.6 | 15.7 | 15.8 |
| Tennessee | 117.8 | 118.1 | 117.0 | 117.7 | 119.2 | 120.3 | 120.7 | 119.4 | 121.0 | 121.3 | 121.9 | 122.7 | 123.6 |
| Texas | 464.5 | 467.0 | 468.1 | 476.7 | 477.8 | 480.3 | 484.7 | 484.6 | 487.6 | 488.7 | 485.8 | 488.6 | 490.4 |
| Utah.. | 65.8 | 66.5 | 65.7 | 66.5 | 67.3 | 67.7 | 68.6 | 67.9 | 68.3 | 68.3 | 67.1 | 68.2 | 69.3 |
| Vermont | 12.8 | 13.3 | 12.7 | 12.6 | 12.5 | 13.0 | 13.2 | 13.3 | 13.2 | 13.0 | 13.0 | 13.1 | 13.3 |
| Virginia ............................................ | 188.3 | 189.0 | 190.2 | 191.5 | 192.9 | 193.4 | 194.9 | 195.5 | 196.8 | 198.0 | 196.9 | 198.5 | 198.9 |
| Washington ..................................... | 136.8 | 136.6 | 137.7 | 138.2 | 138.9 | 140.1 | 141.5 | 141.9 | 143.2 | 143.4 | 142.1 | 142.5 | 143.3 |
| West Virginia | 35.6 | 35.5 | 36.2 | 35.4 | 34.3 | 35.5 | 33.9 | 35.2 | 35.2 | 34.9 | 35.0 | 36.5 | 36.1 |
| Wisconsin ...................................... | 109.4 | 110.0 | 110.2 | 111.6 | 110.9 | 111.9 | 113.3 | 112.8 | 113.6 | 114.2 | 113.7 | 114.2 | 116.6 |
| Wyoming ........................................ | 15.2 | 14.9 | 14.9 | 15.0 | 15.1 | 15.3 | 15.9 | 15.2 | 15.7 | 16.1 | 15.4 | 15.2 | 15.1 |

See footnotes at end of table.

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted - Continued
(in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
|  | Manufacturing |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 378.7 | 378.6 | 380.2 | 379.2 | 378.0 | 377.1 | 376.6 | 375.0 | 372.1 | 373.2 | 373.9 | 371.4 | 369.4 |
| Alaska ... | 15.5 | 13.9 | 15.5 | 16.4 | 16.3 | 15.5 | 14.1 | 14.8 | 15.9 | 14.7 | 14.8 | 15.0 | 15.3 |
| Arizona | 211.6 | 212.9 | 214.7 | 215.0 | 215.1 | 215.5 | 215.1 | 215.7 | 216.3 | 216.5 | 216.6 | 216.6 | 216.0 |
| Arkansas | 253.3 | 254.0 | 255.5 | 255.3 | 255.1 | 255.6 | 255.3 | 255.8 | 253.2 | 254.7 | 253.9 | 253.9 | 253.6 |
| California | 1,936.5 | 1,941.6 | 1,943.2 | 1,945.2 | 1,947.1 | 1,944.3 | 1,947.4 | 1,944.9 | 1,931,6 | 1,934.0 | 1,943.0 | 1,946.1 | 1,939.9 |
| Colorado ......................................... | 206.6 | 207.7 | 206.9 | 208.4 | 208.8 | 208.4 | 208.0 | 208.3 | 208.4 | 207.2 | 205.8 | 206.5 | 206.8 |
| Connecticut ....................................... | 276.0 | 276.3 | 277.1 | 276.9 | 277.0 | 277.6 | 276.7 | 276.4 | 277.2 | 278.0 | 276.4 | 275.9 | 275.0 |
| Delaware | 58.4 | 58.7 | 56.7 | 57.3 | 58.8 | 58.8 | 59.1 | 59.4 | 56.9 | 59.0 | 58.9 | 59.0 | 59.4 |
| Distnct of Columbia | 12.6 | 12.6 | 12.8 | 12.7 491.7 | 12.8 491.3 | 12.8 4919 | 12.8 | 12.7 | 12.8 | 12.9 4910 | 128 4917 | 12.9 4903 | 12.8 4888 |
| Florida ............................................. | 491.5 | 491.9 | 491.8 | 491.7 | 491.3 | 491.9 | 492.1 | 490.6 | 491.2 | 491.0 | 491.7 | 490.3 | 488.8 |
| Georgia | 589.3 | 590.0 | 589.1 | 587.1 | 589.9 | 590.4 | 591.4 | 591.3 | 587.5 | 594.0 | 590.9 | 593.7 | 593.2 |
| Hawaii . | 16.5 | 16.5 | 16.5 | 16.4 | 16.4 | 16.3 | 16.2 | 16.1 | 16.0 | 15.9 | 16.1 | 16.0 | 16.0 |
| Idaho | 75.5 | 75.8 | 76.4 | 76.7 | 76.3 | 76.3 | 76.2 | 75.7 | 75.7 | 75.4 | 74.9 | 75.7 | 75.7 |
| Illinois | 979.5 | 980.9 | 981.3 | 980.2 | 980.5 | 981.8 | 980.1 | 980.2 | 978.0 | 976.7 | 978.2 | 981.3 | 973.9 |
| Indiana | 678.4 | 679.6 | 678.6 | 680.1 | 682.9 | 681.4 | 682.0 | 681.8 | 668.8 | 682.0 | 680.0 | 681.4 | 681.1 |
| lowa | 256.1 | 256.3 | 256.5 | 257.0 | 258.4 | 258.3 | 259.1 | 259.2 | 263.6 | 260.1 | 258.7 | 259.8 | 259.1 |
| Kansas | 208.4 | 208.9 | 209.7 | 210.2 | 210.4 | 210.8 | 211.8 | 210.6 | 208.9 | 212.4 | 212.0 | 212.3 | 212.7 |
| Kentucky | 315.9 | 316.7 | 318.6 | 317.9 | 314.9 | 315.7 | 316.1 | 316.0 | 312.9 | 315.4 | 315.9 | 315.6 | 314.9 |
| Louisiana | 190.7 | 190.8 | 190.8 | 190.4 | 190.5 | 189.9 | 190.2 | 189.0 | 187.5 | 190.5 | 189.8 | 188.6 | 190.1 |
| Maine ........................................... | 87.8 | 88.1 | 88.1 | 88.2 | 87.4 | 87.3 | 87.0 | 86.8 | 86.5 | 86.1 | 87.2 | 86.6 | 86.1 |
| Maryland | 176.6 | 176.7 | 176.6 | 177.1 | 176.8 | 176.1 | 175.8 | 175.8 | 173.1 | 172.0 | 175.0 | 174.7 | 174.7 |
| Massachusetts | 451.6 | 452.9 | 455.8 | 456.9 | 456.3 | 454.5 | 453.3 | 452.3 | 455.2 | 450.2 | 448.0 | 446.8 | 444.8 |
| Michigan .. | 970.7 | 969.3 | 970.9 | 973.2 | 973.8 | 981.3 | 978.8 | 972.8 | 916.1 | 977.7 | 977.5 | 978.7 | 971.1 |
| Minnosota | 439.3 | 440.4 | 440.7 | 438.7 | 442.4 | 441.6 | 442.5 | 444.8 | 442.0 | 443.1 | 440.8 | 441.8 | 441.7 |
| Mississippi .................................... | 241.2 | 241.1 | 241.8 | 242.6 | 241.5 | 241.8 | 242.2 | 240.6 | 240.2 | 238.2 | 239.1 | 239.4 | 238.4 |
| Missouri | 419.8 | 420.2 | 426.7 | 420.0 | 421.6 | 421.4 | 421.7 | 421.7 | 410.6 | 421.8 | 423.7 | 420.2 | 417.4 |
| Montana | 24.5 | 24.3 | 24.4 | 24.6 | 24.5 | 24.7 | 24.9 | 24.3 | 24.1 | 24.0 | 24.1 | 24.1 | 24.2 117.5 |
| Nebraska | 116.8 | 117.0 | 117.7 | 118.7 | 118.2 | 119.8 | 119.8 | 119.6 | 120.5 | 118.6 | 118.5 | 118.1 | 117.5 |
| Nevada | 41.2 | 41.4 | 41.7 | 41.9 | 42.4 | 42.3 | 42.5 | 42.9 | 42.9 | 42.8 | 13.0 104.9 | 43.0 104.9 | 42.9 |
| New Hampshire | 107.7 | 108.1 | 108.8 | 108.5 | 108.7 | 108.2 | 108.0 | 106.7 | 106.1 | 105.3 | 104.9 | 104.9 | 104.6 |
| Now Jersey ...................................... | 483.5 | 484.4 | 486.0 | 485.5 | 485.2 | 483.3 | 482.0 | 481.7 | 477.4 | 477.1 | 476.0 | 473.9 | 474.2 |
| New Mexico | 47.3 | 47.3 | 46.9 | 46.3 | 45.6 | 45.2 | 45.1 | 45.2 | 44.8 | 45.3 | 44.8 | 44.7 | 44.4 |
| Now York | 923.3 | 925.1 | 923.0 | 920.3 | 920.4 | 918.2 | 916.9 | 917.2 | 901.8 | 917.6 | 917.6 | 916.5 | 914.4 |
| North Carolina | 834.7 | 833.5 | 833.1 | 833.7 | 833.1 | 831.2 | 830.8 | 827.1 | 823.4 | 823.8 | 822.1 | 819.1 | 818.5 |
| North Dakota .. | 23.7 | 23.6 | 24.0 | 23.9 | 23.9 | 23.8 | 24.1 | 23.6 | 23.6 | 23.8 | 23.6 | 23.3 | 23.6 |
| Ohio | 1,090.8 | 1,093.8 | 1,095.3 | 1,096.9 | 1,097.8 | 1,094.9 | 1,091.2 | 1,088.9 | 1,054.1 | 1,090.1 | 1,090.0 | 1,093.1 | 1,088.1 |
| Oklahoma | 183.2 | 183.7 | 184.2 | 184.4 | 184.4 | 183.7 | 185.1 | 185.3 | 184.3 | 185.7 | 185.5 | 185.8 | 186.8 |
| Oregon | 246.2 | 246.7 | 247.0 | 247.5 | 247.7 | 246.7 | 247.4 | 246.0 | 246.8 | 243.8 | 241.9 | 241.3 | 243.1 |
| Pennsylvania .................................. | 938.6 | 938.6 | 943.0 | 941.6 | 939.7 | 938.5 | 937.3 | 935.0 | 937.9 | 937.9 | 932.2 | 928.7 | 927.4 |
| Rhode lsland .................................. | 78.8 | 80.1 | 79.4 | 79.4 | 79.3 | 78.8 | 79.1 | 78.9 | 79.5 | 78.1 | 78.3 | 78.2 | 77.8 |
| South Carolina | 362.1 | 362.2 | 362.2 | 361.4 | 362.5 | 364.2 | 364.2 | 364.1 | 367.5 | 361.8 | 364.2 | 363.3 | 363.0 |
| South Dakota | 49.7 | 49.9 | 49.0 | 49.6 | 49.6 | 49.2 | 49.0 | 48.9 | 49.7 | 50.1 | 50.1 | 50.2 | 50.1 |
| Tennessee | 547.5 | 517.7 | 517.8 | 518.2 | 518.5 | 516.4 | 514.2 | 514.2 | 511.1 | 509.5 | 507.9 | 507.4 | 506.0 |
| Texas | 1,091.8 | 1,093.9 | 1,093.3 | 1,093.4 | 1,095.9 | 1,097.2 | 1,098.0 | 1,098.0 | 1,095.6 | 1,098.5 | 1,097.6 | 1,096.8 | 1,095.4 |
| Utah ............................................... | 134.0 | 134.0 | 135.1 | 135.3 | 135.4 | 135.4 | 135.7 | 135.0 | 134.3 | 134.4 | 134.5 | 134.4 | 134.8 |
| Vermont .......................................... | 46.9 | 47.2 | 47.3 | 47.4 | 47.3 | 47.9 | 48.0 | 48.1 | 48.1 | 48.3 | 48.4 | 48.2 | 48.0 |
| Virginia .... | 405.3 | 405.8 | 406.4 | 406.6 | 407.6 | 407.5 | 405.7 | 405.5 | 404.3 | 404.8 | 406.0 | 404.8 | 403.2 |
| Washington ..................................... | 375.1 | 376.0 | 376.5 | 377.4 | 377.8 | 376.9 | 378.2 | 379.5 | 379.8 | 377.7 | 375.7 | 373.1 | 371.8 |
| West Virginia .................................. | 82.4 | 82.7 | 83.0 | 83.1 | 82.9 | 83.1 | 83.0 | 82.9 | 81.8 | 82.3 | 82.5 | 82.5 | 82.1 |
| Wisconsin ....................................... | 615.8 | 617.4 | 620.8 | 619.4 | 620.0 | 620.1 | 619.3 | 621.3 | 613.8 | 621.1 | 617.0 | 615.0 | 617.3 |
| Wyoming ........................................ | 10.9 | 10.9 | 10.9 | 10.8 | 11.0 | 11.0 | 11.0 | 11.1 | 11.0 | 11.1 | 11.1 | 11.0 | 11.0 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED
B-7. Employees on nonfarm payrolls by State and major indusiry, seasonally adjusted - Continued
(In thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. ${ }^{\text {P }}$ |
|  | Transportation and public utilities |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 90.7 | 91.0 | 91.6 | 91.7 | 91.8 | 91.5 | 91.7 | 91.3 | 91.9 | 92.1 | 91.7 | 91.6 | 91.5 |
| Alaska | 24.0 | 24.4 | 24.4 | 24.7 | 24.6 | 25.0 | 25.7 | 25.2 | 25.3 | 25.6 | 25.1 | 25.0 | 24.9 |
| Asizona | 97.0 | 97.8 | 98.2 | 97.0 | 97.5 | 97.7 | 98.5 | 98.8 | 98.9 | 99.6 | 100.5 | 100.3 | 102.1 |
| Arkansas | 66.9 | 67.2 | 67.1 | 67.5 | 67.7 | 67.7 | 68.0 | 67.8 | 67.8 | 68.0 | 67.7 | 68.1 | 68.3 |
| California | 675.4 | 675.1 | 675.6 | 676.5 | 679.0 | 680.1 | 680.1 | 680.2 | 679.7 | 677.9 | 681.8 | 681.0 | 686.0 |
| Colorado | 121.8 | 121.2 | 122.5 | 1225 | 122.0 | 122.7 | 123.3 | 124.7 | 126.4 | 126.7 | 126.9 | 126.5 | 125.5 |
| Connecticut | 75.3 | 75.7 | 75.3 | 75.8 | 76.1 | 76.0 | 76.7 | 76.4 | 76.3 | 76.3 | 70.5 | 76.0 | 76.2 |
| Delaware | 15.7 | 15.8 | 15.5 | 15.6 | 15.6 | 15.6 | 15.7 | 15.6 | 15.9 | 16.0 | 15.8 | 16.1 | 16.2 |
| District of Columbia | 17.5 | 17.5 | 17.7 | 17.3 | 17.2 | 17.1 | 17.0 | 16.8 | 16.9 | 16.9 | 16.7 | 16.6 | 16.7 |
| Florida .............................................. | 330.9 | 332.2 | 335.6 | 336.2 | 338.1 | 336.6 | 338.9 | 339.9 | 340.2 | 341.7 | 343.7 | 343.4 | 344.1 |
| Georgia | 235.7 | 236.4 | 236.3 | 237.5 | 238.4 | 238.4 | 238.6 | 239.7 | 241.1 | 241.3 | 243.0 | 244.0 | 244.7 |
| Hawaii .. | 41.5 | 41.0 | 41.1 | 41.2 | 40.9 | 40.2 | 40.4 | 40.6 | 40.5 | 40.5 | 40.8 | 40.5 | 40.1 |
| Idaho | 24.1 | 24.2 | 24.7 | 24.4 | 25.8 | 24.4 | 24.3 | 24.4 | 24.3 | 24.8 | 24.8 | 24.7 | 24.9 |
| Illinois | 340.8 | 342.0 | 342.0 | 341.3 | 342.1 | 343.7 | 345.7 | 344.5 | 344.7 | 345.0 | 343.3 | 342.5 | 344.3 |
| Indiana | 140.7 | 141.5 | 1423 | 1426 | 142.8 | 142.9 | 142.5 | 140.7 | 141.1 | 140.7 | 140.8 | 142.1 | 142.0 |
| lowa | 66.5 | 66.7 | 66.9 | 67.0 | 67.2 | 68.1 | 68.2 | 68.4 | 68.8 | 68.6 | 68.6 | 69.2 | 69.4 |
| Kansas | 73.0 | 72.9 | 72.9 | 73.0 | 73.3 | 73.5 | 73.9 | 74.1 | 73.6 | 74.6 | 74.5 | 75.2 | 75.6 |
| Kentucky | 98.6 | 99.4 | 99.5 | 997 | 100.0 | 101.5 | 101.7 | 102.4 | 102.1 | 103.0 | 102.7 | 102.3 | 101.9 |
| Louisiana | 111.8 | 112.1 | 111.7 | 1125 | 112.8 | 113.4 | 113.8 | 114.2 | 114.1 | 114.2 | 113.9 | 114.1 | 114.6 |
| Maine . | 23.4 | 23.5 | 23.5 | 23.9 | 23.8 | 23.8 | 24.0 | 24.1 | 24.1 | 23.7 | 24.0 | 23.9 | 23.9 |
| Maryiand ........ | 105.9 | 106.3 | 105.3 | 106.2 | 105.5 | 105.4 | 105.9 | 106.0 | 105.5 | 105.8 | 106.3 | 106.7 | 106.6 |
| Massachusetts | 136.0 | 135.3 | 136.8 | 137.5 | 137.6 | 138.6 | 138.4 | 138.6 | 138.1 | 137.2 | 138.2 | 137.2 | 135.9 |
| Michigan | 175.1 | 175.3 | 175.4 | 1750 | 174.0 | 174.4 | 176.3 | 175.9 | 175.1 | 174.6 | 174.4 | 175.9 | 175.9 |
| Minnesota | 125.3 | 126.0 | 125.9 | 1254 | 125.6 | 125.6 | 126.0 | 126.1 | 127.1 | 127.1 | 114.7 | 127.0 | 127.1 |
| Mississippi | 53.6 | 53.5 | 54.1 | 53.9 | 53.7 | 53.9 | 53.8 | 53.3 | 52.9 | 53.0 | 52.8 | 52.8 | 52.2 |
| Missouri | 163.6 | 164.3 | 165.9 | 165.4 | 165.6 | 166.4 | 166.0 | 165.5 | 164.8 | 164.8 | 164.8 | 165.1 | 165.5 |
| Montana | 21.4 | 21.3 | 21.5 | 21.6 | 21.5 | 21.6 | 21.5 | 21.3 | 21.2 | 21.0 | 21.1 | 21.3 | 21.3 |
| Nebraska | 54.4 | 54.6 | 54.9 | 55.0 | 54.8 | 55.1 | 54.9 | 55.6 | 56.1 | 56.2 | 56.8 | 56.7 | 56.8 |
| Nevada | 46.7 | 46.7 | 46.7 | 46.9 | 46.9 | 47.0 | 47.3 | 47.5 | 47.6 | 47.6 | 48.0 | 48.2 | 48.2 |
| New Hampshize | 19.4 | 19.4 | 19.7 | 19.4 | 19.3 | 19.8 | 19.3 | 19.0 | 19.2 | 19.3 | 19.2 | 19.1 | 19.1 |
| New Jersey | 259.4 | 260.4 | 260.4 | 261.9 | 261.9 | 262.0 | 263.0 | 263.8 | 263.9 | 264.3 | 265.9 | 264.2 | 264.1 |
| New Mexico | 32.6 | 32.5 | 32.5 | 32.5 | 32.7 | 33.0 | 33.3 | 33.3 | 33.5 | 33.4 | 33.2 | 33.6 | 33.6 |
| New York | 410.6 | 410.7 | 411.7 | 410.6 | 411.1 | 409.8 | 409.8 | 410.2 | 409.5 | 409.7 | 411.9 | 412.8 | 412.3 |
| North Carolina | 171.0 | 170.9 | 171.0 | 171.3 | 170.7 | 169.8 | 169.2 | 169.8 | 170.5 | 171.3 | 170.6 | 170.5 | 171.3 |
| North Dakota | 18.0 | 18.0 | 18.3 | 18.2 | 18.3 | 18.4 | 18.6 | 18.5 | 18.5 | 18.3 | 18.0 | 18.2 | 18.1 |
| Ohio | 233.8 | 233.3 | 235.4 | 235.4 | 235.2 | 234.9 | 234.9 | 234.4 | 233.4 | 234.1 | 234.0 | 234.8 | 234.3 |
| Oklahoma | 80.7 | 80.9 | 80.7 | 81.1 | 81.6 | 81.7 | 82.3 | 82.4 | 82.9 | 83.3 | 83.0 | 83.5 | 83.8 |
| Oregon ...... | 74.6 | 74.4 | 74.5 | 74.6 | 74.7 | 75.6 | 75.7 | 75.5 | 75.3 | 75.0 | 76.0 | 75.6 | 75.7 |
| Pennsylvania | 278.4 | 278.2 | 281.0 | 280.8 | 280.4 | 281.5 | 280.7 | 280.3 | 281.5 | 280.6 | 282.7 | 281.7 | 281.2 |
| Rhode Island | 15.7 | 15.9 | 15.4 | 15.9 | 16.0 | 15.8 | 15.8 | 15.8 | 15.9 | 15.9 | 16.0 | 15.7 | 15.9 |
| South Carolina | 76.5 | 76.9 | 75.8 | 76.3 | 77.2 | 77.5 | 77.3 | 77.3 | 78.8 | 77.9 | 78.8 | 79.3 | 79.7 |
| South Dakota . | 15.9 | 15.8 | 16.1 | 16.0 | 15.9 | 16.1 | 16.1 | 15.8 | 15.8 | 16.1 | 16.3 | 16.3 | 16.3 |
| Tennessee | 150.4 | 150.1 | 153.1 | 153.0 | 152.4 | 153.3 | 152.6 | 151.9 | 152.4 | 151.6 | 152.2 | 152.0 | 152.2 |
| Texas | 524.7 | 526.0 | 527.8 | 531.2 | 532.4 | 538.0 | 540.1 | 540.7 | 541.5 | 546.5 | 547.4 | 548.2 | 548.7 |
| Utah.. | 57.3 | 57.7 | 57.4 | 57.5 | 57.8 | 58.2 | 58.1 | 58.1 | 58.3 | 58.2 | 58.3 | 58.2 | 58.2 |
| Vermont | 12.3 | 12.3 | 12.4 | 12.5 | 12.5 | 12.6 | 12.4 | 12.4 | 12.3 | 12.2 | 12.3 | 12.2 | 12.3 |
| Virginia ............................................ | 170.7 | 171.3 | 170.9 | 171.6 | 172.0 | 173.1 | 172.3 | 172.0 | 172.5 | 172.7 | 173.2 | 174.1 | 174.4 |
| Washington | 133.9 | 133.9 | 135.6 | 136.3 | 136.7 | 136.9 | 137.5 | 137.0 | 137.3 | 138.6 | 138.9 | 138.9 | 139.6 |
| West Virginia .................................. | 39.2 | 38.8 | 39.2 | 38.7 | 38.5 | 38.6 | 38.6 | 38.7 | 38.8 | 38.5 | 39.5 | 39.4 | 39.3 |
| Wisconsin ....................................... | 123.0 | 122.5 | 124.0 | 124.4 | 123.8 | 124.1 | 123.6 | 124.1 | 123.9 | 124.2 | 124.3 | 124.1 | 123.8 |
| Wyoming ........................................ | 14.0 | 13.9 | 13.7 | 13.8 | 13.9 | 13.9 | 14.0 | 13.9 | 13.9 | 13.9 | 14.0 | 13.9 | 14.0 |

See footnotes at end of table.

B-7. Employees on nonfarm payrolis by State and major industry, seasonally adjusted - Continued
(in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
|  | Trade |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 429.2 | 429.4 | 430.3 | 431.4 | 432.9 | 432.2 | 434.5 | 435.5 | 435.9 | 435.0 | 434.8 | 436.5 | 437.0 |
| Alaska | 54.9 | 55.4 | 55.9 | 56.4 | 56.9 | 56.6 | 57.2 | 57.5 | 57.1 | 56.9 | 56.8 | 56.0 | 56.0 |
| Arizona | 487.8 | 491.3 | 496.7 | 497.6 | 499.0 | 498.8 | 500.0 | 500.4 | 496.5 | 499.6 | 503.1 | 504.6 | 505.6 |
| Arkansas | 253.7 | 252.7 | 251.6 | 251.2 | 254.4 | 255.1 | 256.3 | 256.5 | 256.3 | 256.4 | 256.2 | 255.4 | 256.9 |
| California | 3,100.1 | 3,106.6 | 3,091.3 | 3,107.1 | 3,114.7 | 3,117.4 | 3,129.0 | 3,129.1 | 3,132.3 | 3,134.4 | 3,139.3 | 3,146.6 | 3,156.5 |
| Colorado ......................................... | 486.6 | 486.5 | 489.5 | 490.7 | 491.9 | 492.2 | 496.3 | 499.7 | 501.5 | 503.4 | 504.6 | 505.7 | 506.1 |
| Connecticut | 359.6 | 362.3 | 360.2 | 359.9 | 359.0 | 357.9 | 358.8 | 358.4 | 359.1 | 360.0 | 359.2 | 359.6 | 362.7 |
| Delaware | 85.9 | 86.1 | 86.7 | 87.7 | 87.7 | 87.2 | 87.3 | 86.4 | 86.9 | 86.9 | 88.1 | 88.5 | 88.2 |
| District of Columbia | 48.6 | 48.8 | 48.6 | 48.2 | 48.7 1689 | $\begin{array}{r}48.1 \\ \hline 1686.9\end{array}$ | 48.1 1 | 48.3 | $\begin{array}{r}48.7 \\ \hline\end{array}$ | 48.6 1.704 .4 | 48.9 1.711 .4 | 48.3 1.717 .0 | 48.5 1.7236 |
| Florida. | 1,675.7 | 1,680.9 | 1,678.4 | 1,681.8 | 1,687.8 | 1,686.9 | 1,690.5 | 1,696.4 | 1,698.6 | 1,704.4 | 1,711.4 | 1,717.0 | 1,723,6 |
| Georgia | 929.1 | 932.4 | 931.9 | 936.9 | 936.5 | 936.8 | 941.9 | 937.0 | 934.0 | 929.8 | 935.8 | 939.4 | 945.1 |
| Hawail .. | 134.7 | 134.4 | 133.8 | 133.7 | 133.3 | 132.5 | 132.6 | 131.9 | 130.6 | 131.4 | 132.1 | 132.4 | 131.5 |
| Idaho | 129.4 | 129.7 | 129.6 | 130.1 | 129.2 | 130.1 | 131.1 | 131.2 | 130.6 | 130.5 1337.1 | $\begin{array}{r}130.5 \\ \hline 139\end{array}$ | 130.6 1 | 132.5 |
| Illinois | 1,331.7 | 1,336.8 | 1,339.7 | 1,335.1 | 1,337.3 | 1,340.0 | 1,343.3 | 1,344.4 | 1,338.0 | 1,337.1 | 1,339.0 | 1,339.3 | 1,341.9 |
| Indiana | 682.9 | 681.9 | 676.9 | 6825 | 683.8 | 684.6 | 684.7 | 684.3 | 687.7 | 684.9 | 684.8 | 684.8 | 682.8 |
| lowa | 348.5 | 347.7 | 347.8 | 348.0 | 348.5 | 349.5 | 350.2 | 350.0 | 349.9 | 349.6 | 350.1 | 352.1 | 351.2 |
| Kansas | 313.6 | 314.4 | 314.7 | 316.1 | 316.4 | 317.3 | 318.6 | 318.6 | 319.8 | 321.3 | 321.3 | 322.2 | 322.7 |
| Kentucky | 414.4 | 416.1 | 416.2 | 416.4 | 415.6 | 417.4 | 419.0 | 417.2 | 416.7 | 419.8 | 418.8 | 418.2 | 421.4 |
| Louisiana | 434.7 | 436.2 | 434.7 | 436.8 | 436.7 | 4360 | 438.1 | 437.3 | 437.6 | 437.5 | 436.9 | 437.2 143.7 | 437.7 144.7 |
| Maine | 142.8 | 142.4 | 140.4 | 139.9 | 140.8 | 141.0 | 140.6 | 141.2 | 141.6 | 142.1 | 142.6 | 143.7 | 144.7 |
| Maryland | 539.1 | 539.1 | 543.2 | 541.0 | 541.6 | 538.9 | 539.4 | 539.2 | 539.5 | 536.7 | 536.9 | 539.4 | 540.6 7312 |
| Massachusetts | 722.0 | 723.6 1050.9 | 727.4 | 729.4 | 729.2 | 728.6 +059.1 | 732.1 | 729.1 | 731.5 1059.4 | 732.0 1064.0 | 731.1 1069.9 | 728.9 1071.5 | 731.2 1 |
| Michigan | 1,047.9 | 1,050.9 | 1,050.2 | 1,056.0 | 1,055.3 | 1,059.1 | 1,066.6 | 1,061.8 | 1,059.4 | 1,064.0 | 1,069.9 | 1,071.5 | 1,075.4 |
| Minnesota | 607.0 | 608.6 | 605.1 | 605.5 | 606.2 | 604.1 | 608.0 | 610.5 | 615.8 | 614.0 | 613.3 | 615.6 | 618.0 |
| Mississippi ...................................... | 238.0 | 237.8 | 238.7 | 238.6 | 238.1 | 239.9 | 239.6 | 238.5 | 240.5 | 238.1 | 238.0 | 239.6 | 238.5 |
| Missouri | 625.4 | 626.4 | 625.4 | 626.5 | 628.4 | 631.5 | 632.8 | 632.7 | 633.8 | 633.9 | 637.0 | 636.9 | 636.5 |
| Montana | 99.3 | 99.4 | 98.8 | 99.4 | 99.4 | 99.2 | 99.7 | 99.0 | 98.9 | 99.4 | 100.1 | 99.9 | 100.1 |
| Nebraska | 212.0 | 211.7 | 214.5 | 214.2 | 213.2 | 214.8 | 214.3 | 214.7 | 214.9 | 214.8 | 214.9 | 215.1 | 215.1 |
| Nevada | 182.4 | 183.1 | 183.1 | 184.3 | 185.9 | 186.2 | 186.6 | 186.7 | 187.7 | 187.6 | 188.9 | 189.9 | 191.0 |
| New Hampshire ............................... | 150.1 | 150.2 | 149.8 | 149.3 | 148.8 | 149.5 | 149.7 | 150.5 | 150.9 | 150.6 | 149.5 | 151.3 | 150.1 |
| New Jersey ..................................... | 877.8 | 880.1 | 879.5 | 885.9 | 886.6 | 884.3 | 890.7 | 891.1 | 891.3 | 891.4 | 992.0 | 894.1 | 895.0 |
| New Mexico .,................................... | 168.8 | 169.1 | 168.7 | 169.2 | 169.9 | 169.7 | 170.8 | 171.0 | 171.9 | 171.9 | 173.7 | 173.3 | 173.4 |
| New York | 1,651.6 | 1,655.5 | 1,654.3 | 1,650.1 | 1,654.3 | 1,657.3 | 1,660.4 | 1,662.6 | 1,665.4 | 1,666.3 | 1,671.8 | 1,672.8 | 1,677.5 |
| North Carolina | 845.1 | 840.5 | 841.8 | 846.6 | 847.2 | 847.1 | 845.9 | 845.9 | 850.0 | 849.7 | 850.8 | 855.7 | 859.6 |
| North Dakola | 81.5 | 82.0 | 81.3 | 81.9 | 81.5 | 80.9 | 80.8 | 80.6 | 81.0 | 80.6 | 80.8 | 81.4 | 80.9 |
| Ohio | 1,318.5 | 1,321.3 | 1,317.1 | 1,317.6 | 1318.1 | 1,316.5 | 1,318.7 | 1,320.5 | 1,318.9 | 1,320.9 | 1,320.9 | 1,322.7 | 1,325.3 |
| Okiahoma | 326.6 | 327.3 | 326.4 | 327.0 | 327.9 | 328.3 | 328.3 | 327.7 | 327.5 | 328.7 | 330.0 | 331.6 | 332.9 |
| Oregon ........ | 381.9 | 384.8 | 383.0 | 384.5 | 387.0 | 386.5 | 388.1 | 387.0 | 388.4 | 385.2 | 386.3 | 389.3 | 390.1 |
| Pernsylvania | 1,223.9 | 1,228.0 | 1,216.7 | 1,221.3 | 1,224.1 | 1,227.9 | 1,230.4 | 1,229.9 | 1,237.1 | 1,236.7 | 1,236.7 | 1,235.6 | 1,234.3 |
| Rhode Island | 98.7 | 98.6 | 98.5 | 99.2 | 99.0 | 98.6 | 99.1 | 98.8 | 98.4 | 98.7 | 99.1 | 98.6 | 99.2 |
| South Carolina ................................. | 426.5 | 427.6 | 430.0 | 431.0 | 433.2 | 436.2 | 437.7 | 439.8 | 440.8 | 441.8 | 443.2 | 443.9 | 449.5 |
| South Dakota | 88.3 | 88.1 | 87.2 | 87.5 | 87.3 | 87.9 | 89.3 | 89.5 | 89.3 | 89.4 | 89.9 | 89.6 | 89.0 |
| Tennessee ...................................... | 614.8 | 618.4 | 618.1 | 6195 | 620.1 | 624.6 | 621.5 | 617.6 | 618.1 | 617.6 | 619.4 | 621.0 | 622.1 |
| Texas | 2,071.0 | 2,081.5 | 2,084.5 | 2,086.0 | 2,091.1 | 2,092.0 | 2,097.2 | 2,097.4 | 2,097.5 | 2,102.2 | 2,108.1 | 2,113.1 | 2,117.0 |
| Utah | 241.2 | 242.7 | 242.7 | 243.9 | 245.0 | 244.2 | 244.6 | 242.9 | 243.1 | 243.3 | 244.4 | 244.6 | 243.9 |
| Verment .......................................... | 65.1 | 65.3 | 64.8 | 65.0 | 65.4 | 65.2 | 65.5 | 65.9 | 65.8 | 65.6 | 65.9 | 65.7 | 66.1 |
| Virginia ............................................ | 732.3 | 734.4 | 730.9 | 735.3 | 737.5 | 735.4 | 736.6 | 739.5 | 740.6 | 742.2 | 741.5 | 743.5 | 744.5 |
| Washington | 611.9 | 612.8 | 615.4 | 618.1 | 621.3 | 621.4 | 625.6 | 626.6 | 628.5 | 631.0 | 631.9 | 633.5 | 635.7 |
| West Virginia ................................... | 164.3 | 164.5 | 163.4 | 163.6 | 164.7 | 163.9 | 163.1 | 163.3 | 162.6 | 162.7 | 163.9 | 166.2 | 165.1 |
| Wisconsin | 608.5 | 609.5 | 608.6 | 611.7 | 613.4 | 613.0 | 615.3 | 614.5 | 616.0 | 618.9 | 617.4 | 618.8 | 620.2 |
| Wyoming .......................................... | 52.3 | 52.3 | 52.5 | 51.9 | 52.3 | 52.4 | 52.3 | 52.5 | 52.9 | 53.0 | 52.4 | 52.9 | 52.9 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED
B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted - Continued
(In thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
|  | Finance, insurance, and real estate |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 84.9 | 85.1 | 85.1 | 85.3 | 85.6 | 85.8 | 86.2 | 86.4 | 86.5 | 87.0 | 86.8 | 87.4 | 87.6 |
| Alaska | 12.2 | 12.2 | 12.1 | 12.1 | 12.2 | 12.3 | 12.4 | 12.5 | 12.6 | 12.6 | 12.6 | 12.5 | 12.4 |
| Arizona | 130.0 | 130.3 | 130.5 | 131.4 | 132.4 | 132.9 | 133.4 | 134.7 | 135.1 | 135.4 | 135.2 | 135.8 | 136.2 |
| Arkansas | 44.4 | 44.5 | 44.3 | 44.4 | 44.8 | 44.8 | 44.8 | 44.7 | 44.5 | 44.0 | 44.1 | 44.1 | 44.2 |
| California | 764.7 | 765.1 | 765.8 | 769.9 | 772.7 | 776.1 | 780.0 | 782.2 | 786.0 | 786.3 | 788.2 | 789.1 | 788.4 |
| Colorado | 129.5 | 130.0 | 130.0 | 130.9 | 131.2 | 130.7 | 131.5 | 132.5 | 133.6 | 134.3 | 134.0 | 134.0 | 133.7 |
| Connecticut | 132.8 | 133.6 | 133.7 | 133.8 | 134.7 | 134.5 | 135.5 | 135.6 | 135.8 | 135.9 | 135.6 | 135.8 | 136.2 |
| Delaware ......... | 48.2 | 48.6 | 48.4 | 48.6 | 48.9 | 49.5 | 49.7 | 49.3 | 49.4 | 49.7 | 49.8 | 50.0 | 49.9 |
| Districk of Columbia | 28.3 | 28.4 | 28.9 | 28.4 | 28.5 | 28.4 | 28.4 | 28.5 | 28.9 | 28.6 | 28.9 | 28.9 | 28.8 |
| Florida | 419.3 | 419.2 | 418.8 | 419.9 | 422.8 | 424.5 | 426.3 | 427.4 | 427.0 | 428.4 | 429.5 | 431.5 | 433.2 |
| Georgia | 190.8 | 191.7 | 191.8 | 1928 | 193.8 | 194.5 | 195.1 | 195.3 | 196.1 | 197.3 | 197.2 | 197.6 | 198.2 |
| Hawaii. | 35.8 | 35.7 | 35.6 | 35.3 | 35.3 | 35.3 | 35.1 | 34.9 | 35.2 | 35.0 | 34.9 | 35.1 | 34.8 |
| Idaho.. | 25.6 | 25.6 | 25.7 | 26.0 | 26.2 | 26.5 | 26.6 | 26.7 | 26.9 | 26.9 | 26.6 | 27.0 | 26.5 |
| minois . | 404.3 | 405.2 | 406.3 | 406.5 | 406.8 | 407.9 | 409.2 | 410.4 | 412.4 | 412.3 | 412.6 | 413.4 | 413.4 |
| Indiana | 140.1 | 140.4 | 140.2 | 140.0 | 140.2 | 140.6 | 140.8 | 140.6 | 141.4 | 142.1 | 142.5 | 143.4 | 143.5 |
| lowa | 80.7 | 80.9 | 81.3 | 81.0 | 81.1 | 81.3 | 81.8 | 81.9 | 82.0 | 82.1 | 82.3 | 82.7 | 82.6 |
| Kansas | 60.8 | 60.9 | 60.8 | 61.1 | 61.0 | 61.4 | 61.2 | 61.2 | 61.1 | 61.3 | 60.6 | 60.7 | 60.9 |
| Kentucky | 70.4 | 70.6 | 70.5 | 70.7 | 70.8 | 71.1 | 71.2 | 71.0 | 71.1 | 71.1 | 71.0 | 71.1 | 71.0 |
| Lovisiana | 86.5 | 86.8 | 86.5 | 86.6 | 86.8 | 86.5 | 86.6 | 87.1 | 86.6 | 86.6 | 86.2 | 86.2 | 86.6 |
| Maine | 29.0 | 29.2 | 29.4 | 29.7 | 30.2 | 30.2 | 30.4 | 30.1 | 30.6 | 30.8 | 30.8 | 31.2 | 31.2 |
| Maryland ........ | 130.9 | 131.3 | 131.5 | 131.8 | 131.1 | 131.9 | 132.3 | 132.8 | 132.8 | 133.1 | 133.2 | 133.3 | 133.5 |
| Massachusetts | 215.2 | 215.7 | 215.9 | 216.1 | 216.5 | 216.3 | 216.7 | 217.4 | 218.0 | 218.0 | 218.7 | 219.2 | 220.2 |
| Michigan | 206.6 | 207.1 | 207.9 | 208.9 | 209.4 | 209.7 | 209.0 | 207.9 | 207.8 | 206.9 | 207.5 | 207.6 | 208.1 |
| Minnesota | 148.5 | 149.1 | 149.2 | 149.8 | 149.9 | 150.9 | 151.3 | 151.4 | 152.2 | 152.8 | 153.0 | 153.5 | 154.1 |
| Mississippi | 41.1 | 41.1 | 41.2 | 41.5 | 41.3 | 41.5 | 41.5 | 41.5 | 41.5 | 41.7 | 41.5 | 42.0 | 42.2 |
| Missouri ........................................... | 154.8 | 155.5 | 155.8 | 156.0 | 156.7 | 156.8 | 157.7 | 158.2 | 159.7 | 159.8 | 159.6 | 159.9 | 160.2 |
| Montana | 16.6 | 16.6 | 16.7 | 16.8 | 16.7 | 16.9 | 16.8 | 16.6 | 16.8 | 16.9 | 16.8 | 17.0 | 17.1 |
| Nebraska | 55.4 | 55.9 | 55.8 | 56.4 | 56.5 | 56.9 | 57.1 | 57.5 | 57.8 | 57.5 | 57.7 | 57.9 | 58.4 |
| Nevada | 41.1 | 41.2 | 41.4 | 41.5 | 41.7 | 41.8 | 42.2 | 42.6 | 42.9 | 42.9 | 43.4 | 43.8 | 43.9 |
| New Hampshire | 29.4 | 29.2 | 29.3 | 29.3 | 29.4 | 29.8 | 29.5 | 29.2 | 29.3 | 29.6 | 30.2 | 29.7 | 29.9 |
| New Jersey | 240.9 | 242.2 | 243.3 | 244.1 | 244.0 | 244.6 | 244.2 | 244.0 | 244.9 | 244.9 | 244.4 | 245.5 | 246.4 |
| New Mexico | 31.3 | 31.4 | 31.5 | 31.5 | 31.6 | 31.5 | 31.5 | 31.6 | 31.7 | 31.8 | 31.9 | 31.9 | 32.1 |
| Now York | 721.5 | 722.1 | 721.3 | 724.1 | 725.8 | 726.3 | 727.6 | 728.7 | 730.3 | 731.8 | 732.4 | 733.1 | 734.0 |
| North Carolina | 168.9 | 169.3 | 170.6 | 172.5 | 173.4 | 173.0 | 174.2 | 174.8 | 175.6 | 177.4 | 178.5 | 178.6 | 178.7 |
| North Dakota . | 15.0 | 15.2 | 15.3 | 15.4 | 15.3 | 15.4 | 15.4 | 15.5 | 15.7 | 15.7 | 15.6 | 15.7 | 15.9 |
| Ohio | 288.7 | 288.9 | 290.0 | 289.8 | 290.5 | 291.9 | 292.1 | 292.0 | 292.6 | 293.2 | 293.4 | 294.2 | 294.4 |
| Oklahoma | 70.2 | 70.2 | 70.3 | 70.5 | 70.7 | 70.9 | 71.1 | 71.0 | 71.3 | 70.8 | 71.0 | 71.3 | 71.5 |
| Oregon ..... | 96.1 | 96.0 | 96.4 | 96.0 | 96.7 | 96.5 | 97.0 | 97.4 | 97.3 | 97.4 | 98.1 | 97.7 | 97.6 |
| Pennsylvania | 315.3 | 317.6 | 317.5 | 318.5 | 318.5 | 319.3 | 320.2 | 320.6 | 321.4 | 321.4 | 321.5 | 321.4 | 321.5 |
| Rhode island | 26.7 | 26.6 | 26.9 | 27.0 | 26.8 | 27.0 | 27.2 | 27.7 | 27.7 | 27.9 | 27.9 | 28.1 | 28.5 |
| South Carolina | 75.3 | 75.8 | 76.0 | 76.6 | 76.9 | 77.6 | 78.1 | 78.5 | 79.0 | 79.1 | 79.3 | 79.4 | 79.9 |
| South Dakota | 21.6 | 21.7 | 21.7 | 21.6 | 21.6 | 21.7 | 22.0 | 22.3 | 22.2 | 22.5 | 22.7 | 22.9 | 23.1 |
| Tennessee. | 121.7 | 121.7 | 123.4 | 123.5 | 123.2 | 122.7 | 122.8 | 122.8 | 122.9 | 122.9 | 122.8 | 122.9 | 123.2 |
| Texas | 469.7 | 471.2 | 473.5 | 475.6 | 477.4 | 478.5 | 479.8 | 481.8 | 482.8 | 484.0 | 484.7 | 486.0 | 486.1 |
| Utah ... | 54.0 | 53.9 | 53.7 | 53.8 | 53.7 | 53.7 | 53.5 | 54.1 | 54.4 | 54.4 | 54.4 | 54.2 | 54.3 |
| Vermont ......................................... | 12.3 | 12.2 | 12.2 | 12.1 | 12.1 | 12.2 | 12.3 | 12.2 | 12.3 | 12.3 | 12.3 | 12.2 | 12.4 |
| Virginia ... | 169.1 | 169.5 | 170.6 | 170.7 | 170.7 | 170.6 | 171.1 | 170.9 | 172.5 | 172.5 | 172.9 | 173.8 | 173.7 |
| Washington | 130.4 | 131.0 | 131.5 | 132.0 | 132.5 | 133.7 | 134.5 | 134.4 | 135.6 | 136.4 | 136.3 | 136.5 | 136.6 |
| West Virginia . | 28.5 | 28.6 | 28.4 | 28.3 | 28.4 | 28.4 | 28.2 | 28.1 | 28.5 | 28.6 | 28.5 | 28.9 | 29.0 |
| Wisconsin | 141.8 | 141.9 | 141.8 | 142.2 | 142.3 | 142.6 | 143.0 | 144.2 | 145.0 | 145.3 | 145.2 | 145.6 | 146.4 |
| Wyoming | 8.2 | 8.2 | 8.2 | 8.3 | 8.3 | 8.3 | 8.2 | 8.2 | 8.4 | 8.4 | 8.5 | 8.4 | 8.5 |

See footnotes at end of table.

B-7. Employees on nonfarm payrolis by State and major industry, seasonally adjusted - Continued
(In thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
|  | Services |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 433.9 | 434.3 | 435.1 | 435.6 | 438.0 | 437.8 | 438.4 | 439.6 | 439.7 | 440.4 | 439.1 | 440.3 | 441.6 |
| Alaska | 66.1 | 66.0 | 66.5 | 67.0 | 67.1 | 67.4 | 67.8 | 67.4 | 67.9 | 67.9 | 67.9 | 68.3 | 68.4 |
| Arizona | 612.5 | 616.3 | 617.3 | 619.9 | 621.1 | 624.3 | 630.9 | 633.0 | 632.6 | 636.1 | 638.5 | 639.4 | 642.7 |
| Arkansas | 257.3 | 257.7 | 257.2 | 259.6 | 260.9 | 263.0 | 263.2 | 262.4 | 260.8 | 263.2 | 263.8 | 263.9 | 264.5 |
| California | 4,124.2 | 4,142.0 | 4,154.9 | 4,168.6 | 4,180.9 | 4,198.7 | 4,217.7 | 4,226.9 | 4,241.8 | 4,256.4 | 4,268.6 | 4,280.3 | 4,295.1 |
| Colorado | 610.4 | 610.8 | 609.5 | 607.4 | 609.8 | 609.0 | 617.0 | 620.6 | 620.4 | 621.0 | 622.9 | 623.7 | 621.5 |
| Connecticut ...................................... | 506.4 | 508.7 | 506.6 | 506.9 | 505.4 | 509.3 | 509.0 | 512.9 | 511.1 | 514.7 | 512.3 | 515.7 | 518.0 |
| Delaware | 109.5 | 109.9 | 110.2 | 110.7 | 111.0 | 110.9 | 111.9 | 112.2 | 112.1 | 112.4 | 112.7 | 113.3 | 114.5 |
| District of Columbia | 266.0 | 265.6 | 266.3 | 266.0 | 267.5 | 265.7 | 266.2 | 268.7 | 269.2 | 268.1 | 270.3 | 271.5 | 271.8 |
| Florida ............................................. | 2,321.5 | 2,330.5 | 2,337.5 | 2,347.9 | 2,363.5 | 2,370.1 | 2,389.7 | 2,403.3 | 2,417.7 | 2,428.0 | 2,433.3 | 2,433.4 | 2,442.9 |
| Georgia | 967.4 | 973.2 | 972.3 | 981.5 | 982.8 | 983.4 | 983.3 | 986.9 | 987.8 | 992.4 | 992.4 | 996.3 | 1,007.0 |
| Hawaii. | 170.3 | 169.5 | 168.4 | 169.1 | 169.7 | 170.3 | 169.5 | 169.4 | 168.3 | 169.6 | 168.8 | 169.8 | 169.9 |
| Idaho | 123.9 | 123.9 | 121.8 | 121.4 | 121.5 | 121.2 | 121.4 | 121.7 | 124.1 | 125.0 | 124.3 | 126.2 | 126.1 |
| Illinois | 1,709.9 | 1,714.0 | 1,713.4 | 1,716.7 | 1,717.1 | 1,722.6 | 1,732.7 | 1,740.0 | 1,749.0 | 1,744.4 | 1,748.8 | 1.751 .2 | 1,751.6 |
| Indiana | 696.7 | 700.7 | 691.3 | 692.1 | 693.1 | 699.4 | 702.9 | 697.5 | 696.5 | 697.1 | 697.1 | 699.8 | 699.7 |
| lowa | 369.1 | 369.9 | 371.6 | 373.0 | 373.9 | 376.6 | 377.0 | 378.5 | 381.5 | 379.1 | 378.0 | 380.7 | 381.2 |
| Kansas | 324.1 | 325.0 | 324.9 | 325.8 | 326.9 | 329.5 | 329.1 | 330.3 | 331.0 | 330.2 | 330.2 | 330.5 | 333.6 |
| Kentucky ........................................ | 431.7 | 433.3 | 432.0 | 432.3 | 434.5 | 437.5 | 441.5 | 442.8 | 442.6 | 445.4 | 444.0 | 444.7 | 445.9 |
| Louisiana | 504.6 | 506.0 | 507.4 | 507.7 | 511.0 | 511.6 | 512.6 | 515.2 | 515.5 | 510.2 | 512.2 | 511.8 | 512.1 |
| Maine | 160.5 | 160.7 | 160.6 | 161.6 | 162.0 | 162.4 | 163.2 | 163.0 | 164.3 | 164.7 | 165.3 | 166.3 | 166.8 |
| Maryland | 762.7 | 764.0 | 763.1 | 764.5 | 763.7 | 762.3 | 763.4 | 763.2 | 769.4 | 772.5 | 773.4 | 780.9 | 785.1 |
| Massachusetts | 1,121.6 | 1,126.1 | 1,119.3 | 1,126.2 | 1,133.6 | 1,140.3 | 1,148.0 | 1,147.1 | 1,151.5 | 1,152.5 | 1,153. 1 | 1,157.8 | 1,160.8 |
| Michigan | 1,235.2 | 1,243.2 | 1,244.1 | 1,243.7 | 1,246.3 | 1,247.9 | 1,259.8 | 1,260.8 | 1,260.0 | 1,268.1 | 1,270.5 | 1,278.5 | 1,279.9 |
| Minnesota | 708.9 | 710.5 | 708.1 | 714.6 | 716.3 | 718.2 | 724.9 | 729.3 | 730.3 | 728.9 | 730.6 | 730.6 | 732.7 |
| Mississippi ...................................... | 261.5 | 261.3 | 262.7 | 263.7 | 263.7 | 263.8 | 265.3 | 264.9 | 264.6 | 265.1 | 262.5 | 262.7 | 263.9 |
| Missouri | 744.3 | 746.5 | 746.2 | 747.0 | 740.7 | 742.1 | 749.0 | 744.1 | 745.9 | 745.2 | 745.6 | 747.5 | 750.7 |
| Montana | 106.0 | 106.6 | 106.1 | 107.1 | 107.0 | 107.1 | 107.5 | 107.8 | 107.5 | 107.7 | 107.2 | 107.1 | 107.5 |
| Nebraska | 233.4 | 233.3 | 234.3 | 236.8 | 235.6 | 236.1 | 236.4 | 236.4 | 237.4 | 237.2 | 235.8 | 236.8 | 237.6 |
| Nevada | 386.7 | 387.2 | 396.5 | 389.6 | 390.0 | 392.2 | 392.3 | 393.1 | 394.0 | 395.5 | 398.3 | 406.2 | 406.5 |
| New Hampshire .... | 166.0 | 165.7 | 165.2 | 165.3 | 164.0 | 164.2 | 165.7 | 167.4 | 166.7 | 165.3 | 164.0 | 165.4 | 165.0 |
| New Jersey | 1,192.9 | 1,195.1 | 1,194.6 | 1,198.2 | 1,203.7 | 1,206.3 | 1,212.5 | 1,217.7 | 1,218.6 | 1,222.3 | 1,225.4 | 1,227.7 | 1,232.4 |
| New Mexico | 197.4 | 197.2 | 196.8 | 197.7 | 197.7 | 197.7 | 198.5 | 199.8 | 199.7 | 200.9 | 203.1 | 203.9 | 204.7 28199 |
| New York | 2,729.4 | 2,736.5 | 2,734.3 | 2,750.1 | 2,759.4 | 2,769.0 | 2,774.6 | 2,777.9 | 2.785 .2 | 2,795.6 | 2,798.6 | 2,811.1 | 2,819.9 |
| North Carolina | 896.2 | 899.5 | 899.8 | 904.2 | 905.4 | 909.5 | 916.3 | 916.7 | 910.0 | 908.6 | 915.9 | 918.1 | 919.4 |
| North Dakota ................................... | 87.5 | 87.8 | 88.4 | 89.1 | 89.0 | 89.1 | 89.4 | 89.1 | 89.2 | 89.1 | 89.2 | 88.8 | 88.4 |
| Ohio | 1,485.0 | 1,484.7 | 1,497.6 | 1,494.3 | 1,500.5 | 1,501.6 | 1.510.4 | 1,511.6 | 1,514.6 | 1,516.8 | 1,516.9 | 1,523.9 | 1,528.1 |
| Oklahoma | 382.6 | 383.0 | 382.9 | 385.2 | 386.2 | 389.7 | 394.2 | 393.1 | 393.0 | 395.9 | 396.1 | 396.9 | 400.5 |
| Oregon.. | 404.2 | 408.7 | 412.0 | 412.9 | 412.7 | 414.7 | 413.9 | 415.6 | 417.2 | 420.1 | 421.0 | 421.5 | 424.9 |
| Pennsylvania | 1,728.8 | 1,732.9 | 1,739.0 | 1,733.9 | 1,732.6 | 1,733.4 | 1,733.4 | 1,738.1 | 1,741.3 | 1,742.7 | 1,750.1 | 1,751.2 | 1,755.4 |
| Rhode Island | 152.3 | 152.1 | 151.9 | 151.7 | 151.6 | 152.2 | 152.6 | 151.4 | 151.5 | 151.7 | 153.1 | 153.7 | 153.3 |
| South Carolina .................................. | 400.2 | 401.4 | 409.3 | 410.9 | 413.0 | 415.4 | 416.3 | 417.9 | 418.7 | 421.1 | 421.3 | 421.7 | 424.6 |
| South Dakota | 92.2 | 92.5 | 92.9 | 94.4 | 94.5 | 95.0 | 95.6 | 94.4 | 95.2 | 95.2 | 94.5 | 95.5 | 95.0 |
| Tennessee | 692.6 | 691.1 | 699.0 | 698.7 | 700.4 | 696.6 | 700.0 | 698.7 | 701.2 | 703.0 | 699.8 | 703.6 | 706.7 |
| Texas | 2,447.2 | 2,457.1 | 2,448.9 | 2,473.4 | 2,479.6 | 2,492.8 | 2,498.8 | 2,506.9 | 2,510.4 | 2,521.7 | 2,524.7 | 2,533.1 | 2,541.9 |
| Utah | 275.6 | 276.4 | 277.7 | 277.1 | 279.1 | 278.7 | 279.5 | 279.8 | 277.7 | 280.1 | 281.7 | 283.6 | 283.5 |
| Vermont | 84.3 | 84.7 | 83.9 | 84.2 | 84.4 | 84.8 | 85.9 | 85.9 | 85.7 | 86.7 | 85.7 | 85.3 | 85.3 |
| Virginia | 991.9 | 999.2 | 1,004.5 | 1,007.8 | 1,014.7 | 1,018.1 | 1,024.6 | 1.028 .3 | 1,034.1 | 1,035.7 | 1,034.1 | 1,033.3 | 1,036.8 |
| Washington | 686.6 | 689.4 | 689.5 | 695.6 | 698.8 | 704.6 | 709.5 | 710.2 | 712.8 | 716.9 | 715.0 | 719.5 | 721.0 |
| West Virginia | 202.9 | 202.5 | 202.5 | 203.4 | 203.7 | 202.7 | 203.5 | 204.4 | 205.6 | 205.3 | 206.6 | 208.7 | 208.5 |
| Wisconsin ....................................... | 690.7 | 692.3 | 693.5 | 691.0 | 693.6 | 696.0 | 700.9 | 703.0 | 702.4 | 704.8 | 704.1 | 704.1 | 705.7 |
| Wyoming ......................................... | 48.9 | 49.0 | 48.8 | 48.5 | 48.8 | 48.7 | 49.6 | 48.8 | 49.2 | 49.4 | 49.4 | 49.7 | 50.2 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED
B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted - Continued
(in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. ${ }^{\text {P }}$ |
|  | Government |  |  |  |  |  |  |  |  |  |  |  |  |
| Alabama | 347.1 | 347.3 | 346.7 | 346.2 | 346.3 | 345.2 | 344.9 | 346.3 | 344.9 | 346.9 | 350.1 | 349.7 | 349.1 |
| Alaska | 73.3 | 73.5 | 73.1 | 73.3 | 73.2 | 73.6 | 73.4 | 73.1 | 73.6 | 72.7 | 73.1 | 73.6 | 73.8 |
| Arizona | 327.3 | 327.5 | 325.4 | 329.5 | 332.6 | 332.3 | 333.5 | 3412 | 333.9 | 335.5 | 346.3 | 341.2 | 349.2 |
| Arkansas | 183.5 | 183.9 | 183.7 | 184.0 | 184.7 | 185.3 | 185.1 | 185.5 | 189.9 | 190.9 | 186.4 | 187.3 | 188.0 |
| California | 2,163.6 | 2,160.5 | 2,157.5 | 2,161.0 | 2,170.2 | 2,175.6 | 2,180.2 | 2,186.0 | 2,173.3 | 2,186.2 | 2,191.8 | 2,203.3 | 2,206.9 |
| Colorado | 316.2 | 317.0 | 318.2 | 317.8 | 318.0 | 318.3 | 320.7 | 318.9 | 323.3 | 319.9 | 323.0 | 322.9 | 324.6 |
| Connecticut | 225.6 | 226.3 | 225.8 | 227.0 | 226.8 | 226.2 | 225.3 | 226.0 | 225.0 | 225.5 | 226.3 | 226.1 | 225.4 |
| Delaware | 53.6 | 53.8 | 53.9 | 53.8 | 53.7 | 54.1 | 54.8 | 54.6 | 55.2 | 54.4 | 54.8 | 54.3 | 54.3 |
| District of Columbia | 229.3 | 228.6 | 230.0 | 227.9 | 227.2 | 228.8 | 229.1 | 226.7 | 219.5 | 228.1 | 226.0 | 225.0 | 225.2 |
| Florida ............................................ | 949.3 | 950.5 | 956.9 | 953.2 | 951.3 | 949.1 | 954.2 | 954.6 | 962.6 | 956.2 | 961.6 | 968.4 | 972.6 |
| Georgia | 581.1 | 582.9 | 584.0 | 586.2 | 587.1 | 588.0 | 590.8 | 588.9 | 590.0 | 595.3 | 602.1 | 594.8 | 593.8 |
| Hawaii . | 112.1 | 111.6 | 111.3 | 110.8 | 111.3 | 111.4 | 112.0 | 111.1 | 111.1 | 112.9 | 117.5 | 113.1 | 112.4 |
| Idaho | 99.6 | 99.4 | 101.1 | 101.4 | 102.1 | 102.1 | 101.4 | 101.5 | 102.4 | 102.8 | 102.6 | 103.5 | 102.7 |
| illinois | 806.2 | 804.1 | 803.8 | 801.2 | 803.4 | 804.1 | 802.4 | 806.8 | 813.2 | 813.5 | 806.5 | 809.1 | 806.7 |
| Indiana | 386.1 | 390.4 | 395.2 | 391.0 | 389.9 | 391.4 | 396.1 | 395.8 | 379.7 | 386.8 | 394.8 | 389.4 | 387.0 |
| lowa | 233.4 | 234.6 | 236.8 | 237.8 | 237.5 | 238.6 | 238.0 | 237.4 | 239.5 | 238.2 | 240.1 | 239.6 | 237.0 |
| Kansas | 235.2 | 237.8 | 239.4 | 239.0 | 239.7 | 236.8 | 241.2 | 239.3 | 240.5 | 234.7 | 240.7 | 241.3 | 239.9 |
| Kentucky | 291.0 | 291.1 | 294.1 | 292.5 | 294.3 | 293.1 | 291.1 | 294.1 | 293.4 | 295.9 | 296.0 | 295.5 | 295.2 |
| Louisiana | 366.5 | 365.2 | 365.4 | 367.7 | 367.0 | 367.4 | 367.9 | 369.3 | 365.5 | 365.8 | 369.7 | 370.6 | 370.2 |
| Maine | 92.8 | 93.0 | 91.6 | 93.0 | 92.5 | 92.1 | 91.4 | 92.6 | 92.3 | 92.4 | 92.5 | 92.1 | 91.9 |
| Maryland ......... | 416.0 | 414.8 | 420.4 | 420.4 | 419.8 | 420.3 | 419.5 | 422.4 | 421.9 | 423.6 | 435.5 | 434.1 | 435.9 |
| Massachusetts ................................. | 407.3 | 409.0 | 408.5 | 409.3 | 407.7 | 408.8 | 409.8 | 411.8 | 407.7 | 408.7 | 412.4 | 412.8 | 413.6 |
| Michigan | 643.9 | 650.0 | 654.7 | 655.1 | 652.3 | 655.5 | 655.5 | 665.3 | 661.3 | 657.3 | 662.1 | 657.4 | 657.2 |
| Minnesota | 380.1 | 379.9 | 379.7 | 381.1 | 382.6 | 380.2 | 380.9 | 382.0 | 380.4 | 385.8 | 386.2 | 387.0 | 384.5 |
| Mississippi | 220.3 | 220.3 | 220.2 | 221.7 | 220.7 | 221.3 | 222.2 | 223.1 | 227.9 | 225.4 | 225.1 | 226.7 | 226.6 |
| Missouri | 414.1 | 416.4 | 416.4 | 418.3 | 415.3 | 416.5 | 419.1 | 427.9 | 419.1 | 419.1 | 423.7 | 424.3 | 424.0 |
| Montana | 77.3 | 77.9 | 77.0 | 77.0 | 77.6 | 77.8 | 79.0 | 76.3 | 78.9 | 77.7 | 78.2 | 78.3 | 78.7 |
| Nebraska | 153.9 | 154.0 | 152.8 | 153.6 | 152.7 | 153.3 | 152.0 | 151.2 | 152.2 | 150.4 | 153.2 | 153.3 | 152.2 |
| Nevada | 108.0 | 109.2 | 108.4 | 109.5 | 109.3 | 110.5 | 109.5 | 111.6 | 112.4 | 113.7 | 114.6 | 113.9 | 112.8 |
| New Hampshire | 78.4 | 75.6 | 77.8 | 78.4 | 77.9 | 79.5 | 79.1 | 78.7 | 80.9 | 78.0 | 79.2 | 79.2 | 79.1 |
| New Jersey ...................................... | 570.0 | 570.5 | 570.0 | 569.6 | 568.4 | 566.6 | 567.2 | 565.9 | 561.8 | 564.8 | 570.9 | 570.5 | 569.5 |
| New Mexico .................................... | 178.2 | 178.6 | 178.7 | 178.3 | 179.1 | 177.6 | 177.4 | 179.4 | 180.1 | 180.5 | 177.5 | 177.9 | 178.1 |
| Now York | 1,374.7 | 1,373.3 | 1,368.3 | 1,370.6 | 1,371.4 | 1,368.0 | 1,372.8 | 1,369.6 | 1,361.2 | 1,361.4 | 1,369.5 | 1,373.1 | 1,370.0 |
| North Carolina | 589.0 | 589.0 | 587.5 | 593.0 | 592.3 | 594.5 | 595.2 | 590.7 | 584.7 | 631.5 | 601.0 | 602.3 | 602.8 |
| North Dakota | 70.4 | 70.5 | 70.9 | 71.1 | 70.9 | 70.9 | 70.7 | 72.4 | 71.8 | 70.0 | 71.3 | 70.5 | 70.7 |
| Ohio | 761.4 | 760.9 | 763.4 | 760.6 | 761.7 | 762.7 | 766.3 | 765.0 | 773.0 | 768.0 | 773.5 | 769.8 | 768.1 |
| Oklahoma | 277.6 | 277.3 | 277.6 | 278.7 | 280.4 | 280.1 | 282.0 | 279.3 | 278.1 | 281.4 | 285.9 | 283.1 | 284.2 |
| Oregon. | 248.9 | 253.9 | 254.7 | 255.6 | 256.3 | 256.3 | 257.7 | 258.2 | 255.7 | 257.6 | 259.9 | 261.2 | 261.1 |
| Pennsylvania | 712.7 | 713.8 | 717.8 | 7122 | 711.2 | 712.6 | 712.4 | 697.2 | 704.0 | 699.9 | 728.3 | 721.1 | 725.1 |
| Rhode Island .................................. | 63.8 | 64.8 | 65.1 | 65.3 | 64.7 | 65.8 | 66.2 | 65.8 | 65.1 | 64.2 | 63.9 | 63.6 | 64.2 |
| South Carolina | 290.9 | 300.0 | 303.4 | 303.7 | 304.2 | 304.1 | 303.9 | 314.9 | 298.8 | 303.3 | 304.5 | 305.4 | 305.7 |
| South Dakota | 70.1 | 70.1 | 69.9 | 69.8 | 70.7 | 70.5 | 70.7 | 70.1 | 70.3 | 70.0 | 70.2 | 69.9 | 71.1 |
| Tennessee | 383.9 | 383.6 | 385.6 | 385.6 | 385.4 | 385.1 | 385.0 | 394.5 | 389.8 | 385.8 | 397.4 | 400.7 | 399.7 |
| Texas | 1,495.8 | 1,496.7 | 1,490.8 | 1,495.1 | 1,502.0 | 1,507.7 | 1,507.2 | 1,500.3 | 1,505.5 | 1,507.0 | 1,524.6 | 1,525.9 | 1,527.2 |
| Utah | 174.3 | 174.8 | 175.0 | 175.7 | 177.5 | 178.2 | 178.1 | 178.1 | 177.9 | 177.7 | 179.5 | 179.7 | 180.0 |
| Vermont | 45.4 | 45.7 | 45.4 | 45.6 | 45.4 | 45.4 | 44.8 | 45.5 | 44.5 | 45.3 | 45.5 | 45.7 | 45.7 |
| Virginia | 598.6 | 598.5 | 595.7 | 596.7 | 597.2 | 597.8 | 597.9 | 599.7 | 600.2 | 600.8 | 604.5 | 603.9 | 603.2 |
| Washington ...................................... | 456.3 | 460.3 | 456.3 | 457.5 | 457.0 | 459.5 | 457.7 | 460.3 | 465.5 | 467.7 | 460.1 | 462.4 | 460.9 |
| West Virginia .................................. | 140.9 | 140.8 | 139.3 | 140.2 | 139.9 | 139.8 | 150.8 | 138.5 | 137.7 | 141.8 | 142.6 | 141.4 | 141.7 |
| Wisconsin ....................................... | 387.7 | 388.7 | 390.0 | 391.3 | 390.0 | 392.5 | 391.8 | 391.1 | 392.5 | 394.0 | 393.1 | 391.7 | 393.1 |
| Wyoming ... | 56.9 | 57.1 | 56.9 | 57.0 | 57.3 | 57.5 | 57.8 | 57.4 | 59.5 | 59.7 | 57.9 | 57.1 | 57.6 |

1 includes rnining, not shown separately
2 Mining is combined with construction.
P = proliminary.

NOTE: All data have been adjusted to March 1997 benchmarks and incorporate updated seasonal adjustment factors

B-8. Average weekly hours of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p | Dec.p |
| Total private ........................................... | 34.7 | 34.8 | 34.7 | 34.6 | 34.5 | 34.7 | 34.6 | 34.6 | 34.6 | 34.4 | 34.6 | 34.5 | 34.6 |
| Goods-producing ............................................ | 41.4 | 41.6 | 41.4 | 41.0 | 40.8 | 41.1 | 41.0 | 41.1 | 41.1 | 40.8 | 41.1 | 40.9 | 41.2 |
| Mining .......................................................... | 44.9 | 45.4 | 44.4 | 43.8 | 44.1 | 44.6 | 43.8 | 44.8 | 43.8 | 43.2 | 43.8 | 43.5 | 43.2 |
| Construction ................................................. | 39.0 | 39.8 | 39.2 | 38.5 | 38.7 | 38.6 | 38.4 | 39.2 | 39.1 | 38.4 | 39.1 | 38.8 | 39.7 |
| Manufacturing | 42.2 | 42.1 | 42.0 | 41.8 | 41.4 | 41.8 | 41.8 | 41.7 | 41.7 | 41.6 | 41.7 | 41.6 | 41.8 |
| Overtime hours | 4.9 | 4.9 | 4.8 | 4.8 | 4.5 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 |
| Durable goods | 43.0 | 42.8 | 42.8 | 42.5 | 41.9 | 42.4 | 42.3 | 42.2 | 42.3 | 42.2 | 42.3 | 42.2 | 42.3 |
| Overtime hours | 5.2 | 5.2 | 5.1 | 5.0 | 4.6 | 4.8 | 4.8 | 4.8 | 4.8 | 4.7 | 4.6 | 4.6 | 4.6 |
| Lumber and wood products | 41.0 | 41.2 | 41.1 | 41.2 | 41.2 | 41.2 | 41.3 | 41.2 | 41.2 | 40.6 | 41.1 | 41.2 | 41.7 |
| Furniture and fixtures | 40.7 | 41.0 | 41.0 | 40.7 | 40.7 | 40.7 | 41.0 | 40.7 | 40.7 | 40.1 | 40.4 | 40.1 | 40.3 |
| Stone, clay, and glass products. | 43.6 | 43.7 | 43.6 | 43.2 | 43.3 | 43.5 | 43.2 | 43.5 | 43.6 | 43.3 | 43.4 | 43.4 | 43.8 |
| Primary metal industries ................................. | 45.2 | 45.2 | 44.8 | 44.6 | 43.9 | 44.5 | 44.4 | 43.6 | 44.1 | 43.7 | 43.7 | 43.8 | 43.8 |
| Blast furnaces and basic steel products | 45.4 | 46.0 | 45.4 | 45.3 | 44.9 | 45.6 | 45.1 | 43.8 | 44.5 | 44.2 | 43.9 | 43.1 | 43.6 |
| Fabricated metal products .. | 42.9 | 42.7 | 42.7 | 42.4 | 41.8 | 42.6 | 42.5 | 42.4 | 42.3 | 42.3 | 42.3 | 42.1 | 42.4 |
| Industrial machinery and equipment | 43.7 | 43.6 | 43.4 | 43.3 | 42.6 | 43.0 | 43.2 | 43.0 | 43.1 | 42.7 | 42.7 | 42.3 | 41.9 |
| Electronic and other electrical equipment .......... | 42.0 | 41.8 | 41.9 | 41.4 | 41.1 | 41.4 | 41.4 | 41.3 | 41.7 | 41.5 | 41.5 | 41.4 | 41.1 |
| Transportation equipment ....... | 44.5 | 43.9 | 43.8 | 43.4 | 42.1 | 43.3 | 42.7 | 42.6 | 42.6 | 43.7 | 43.7 | 43.9 | 44.7 |
| Motor vehicles and equipment | 44.9 | 43.9 | 43.8 | 43.5 | 42.0 | 43.3 | 42.4 | 41.7 | 42.3 | 44.3 | 43.8 | 44.4 | 45.6 |
| Instruments and related products ..................... | 41.9 | 41.9 | 42.0 | 41.5 | 41.3 | 41.4 | 41.3 | 41.3 | 41.4 | 41.0 | 41.1 | 41.0 | 41.0 |
| Miscelianeous manfacturing ........................... | 40.6 | 40.4 | 40.4 | 40.5 | 40.1 | 40.0 | 40.0 | 40.0 | 40.1 | 39.6 | 39.7 | 39.4 | 39.5 |
| Nondurable goods | 41.0 | 41.1 | 40.9 | 40.8 | 40.7 | 41.0 | 40.9 | 41.0 | 40.9 | 40.8 | 40.9 | 40.8 | 40.9 |
| Overtime hours | 4.4 | 4.4 | 4.4 | 4.4 | 4.2 | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 |
| Food and kindred products ............................. | 41.6 | 41.8 | 41.5 | 41.5 | 41.3 | 41.8 | 41.7 | 42.0 | 41.5 | 41.7 | 41.5 | 41.7 | 42.2 |
| Tobacco products | 38.8 | 38.3 | 38.5 | 37.7 | 38.2 | 39.3 | 39.0 | 40.6 | 39.6 | 37.7 | 38.5 | 38.1 | 36.7 |
| Textile mill products ....................................... | 41.7 | 41.8 | 41.5 | 41.2 | 41.0 | 41.3 | 41.1 | 41.0 | 41.0 | 40.4 | 41.1 | 40.8 | 40.8 |
| Apparel and other textile products .................... | 37.5 | 37.4 | 37.4 | 37.2 | 37.7 | 37.4 | 37.4 | 37.4 | 37.5 | 37.3 | 37.3 | 37.3 | 37.3 |
| Paper and allied products ............................... | 43.7 | 43.6 | 43.4 | 43.4 | 43.0 | 43.5 | 43.6 | 43.5 | 43.3 | 43.6 | 43.5 | 43.5 | 43.3 |
| Printing and publishing | 38.6 | 38.5 | 38.5 | 38.4 | 38.2 | 38.4 | 38.2 | 38.4 | 38.5 | 38.1 | 38.2 | 38.1 | 38.1 |
| Chemicals and allied products ......................... | 43.2 | 43.5 | 43.4 | 43.4 | 43.1 | 43.1 | 43.2 | 43.0 | 43.3 | 43.2 | 43.3 | 43.0 | 42.6 |
| Petroleum and coal products ........................... | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Rubber and misc. plastics products .................. | 42.1 | 42.0 | 41.8 | 41.5 | 41.7 | 42.1 | 42.0 | 42.1 | 41.6 | 41.7 | 41.8 | 41.6 | 41.9 |
| Leather and leather products ........................... | 38.4 | 38.3 | 38.8 | 37.9 | 37.3 | 37.3 | 37.6 | 37.0 | 38.1 | 37.4 | 37.4 | 37.5 | 37.8 |
| Service-producing ........................................... | 32.9 | 33.0 | 33.0 | 32.8 | 32.9 | 33.0 | 32.9 | 32.9 | 32.9 | 32.8 | 32.9 | 32.9 | 32.9 |
| Transportation and public utilities .................... | 39.9 | 40.0 | 39.9 | 39.8 | 39.6 | 39.8 | 39.5 | 39.6 | 39.3 | 39.3 | 39.3 | 39.3 | 39.0 |
| Wholesale trade | 38.3 | 38.5 | 38.5 | 38.3 | 38.3 | 38.5 | 38.2 | 38.3 | 38.4 | 38.2 | 38.3 | 38.5 | 38.5 |
| Retail trade .................................................... | 28.9 | 29.0 | 29.0 | 28.9 | 29.0 | 29.1 | 29.0 | 29.1 | 29.0 | 29.0 | 29.1 | 29.0 | 28.9 |
| Finance, insurance, and real estate .................. | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Services ......................................................... | 32.7 | 32.8 | 32.7 | 32.6 | 32.6 | 32.7 | 32.7 | 32.7 | 32.7 | 32.5 | 32.7 | 32.6 | 32.8 |

[^11]components, cannot be separated with sulficient precision.
$\mathrm{P}=$ preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED
B-9. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted
(1982=100)

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P | Dec. ${ }^{\text {P }}$ |
| Total private ........................................... | 143.6 | 144.6 | 144.4 | 143.8 | 144.0 | 144.9 | 144.8 | 145.2 | 145.3 | 144.9 | 145.8 | 145.7 | 146.5 |
| Goods-producing ............................................. | 116.0 | 117.1 | 116.4 | 115.1 | 114.9 | 115.3 | 114.9 | 114.2 | 114.7 | 114.1 | 114.6 | 114.0 | 115.6 |
| Mining ........................................................... | 57.5 | 58.3 | 57.0 | 55.6 | 55.4 | 56.0 | 54.7 | 55.5 | 54.0 | 53.1 | 53.5 | 52.6 | 52.1 |
| Construction | 159.3 | 165.0 | 162.4 | 158.7 | 161.5 | 160.5 | 160.5 | 164.6 | 164.3 | 160.9 | 164.8 | 164.5 | 172.1 |
| Manufacturing | 110.6 | 110.6 | 110.3 | 109.7 | 108.7 | 109.4 | 109.0 | 107.2 | 108.0 | 108.0 | 107.8 | 107.2 | 107.5 |
| Durable goods | 114.6 | 114.6 | 114.5 | 113.7 | 112.2 | 113.1 | 112.7 | 109.9 | 111.8 | 111.7 | 111.6 | 110.8 | 111.1 |
| Lumber and wood products | 142.6 | 143.8 | 143.4 | 143.6 | 143.8 | 143.8 | 143.7 | 144.0 | 143.8 | 141.9 | 143.9 | 144.6 | 146.4 |
| Furniture and fixtures | 131.1 | 132.8 | 133.1 | 132.7 | 133.7 | 134.0 | 134.4 | 134.3 | 133.7 | 131.4 | 132.4 | 131.4 | 133.3 |
| Stone, clay, and glass products | 114.9 | 116.5 | 116.2 | 113.9 | 114.1 | 114.7 | 114.4 | 115.2 | 116.0 | 115.4 | 115.7 | 116.5 | 118.1 |
| Primary metal industries ........... | 96.3 | 96.6 | 95.8 | 95.5 | 93.7 | 94.6 | 94.4 | 91.1 | 93.3 | 92.3 | 91.6 | 90.7 | 90.5 |
| Blast furnaces and basic steel products | 73.8 | 75.6 | 74.6 | 74.4 | 73.4 | 74.5 | 73.7 | 71.2 | 71.9 | 71.0 | 70.1 | 67.3 | 68.9 |
| Fabricated metal products | 119.9 | 119.8 | 120.1 | 119.1 | 117.5 | 119.2 | 118.4 | 117.0 | 117.5 | 117.7 | 117.5 | 116.6 | 117.3 |
| industrial machinery and equipment ................. | 111.7 | 111.7 | 111.3 | 111.1 | 109.1 | 110.1 | 110.9 | 109.8 | 110.0 | 108.7 | 108.4 | 106.7 | 105.2 |
| Electronic and other electrical equipment | 113.0 | 112.8 | 112.8 | 111.3 | 110.1 | 110.7 | 110.3 | 108.7 | 109.1 | 108.9 | 108.0 | 106.6 | 106.0 |
| Transportation equipment . | 131.8 | 130.0 | 130.1 | 128.7 | 124.6 | 127.0 | 124.7 | 112.2 | 122.8 | 126.5 | 127.1 | 126.5 | 128.4 |
| Motor vehicles and equipment ......................... | 171.2 | 166.8 | 166.6 | 164.6 | 158.9 | 161.8 | 157.2 | 129.0 | 153.5 | 161.9 | 161.1 | 161.6 | 165.5 |
| Instruments and related products ..................... | 76.9 | 77.4 | 77.6 | 76.8 | 76.6 | 76.6 | 76.1 | 76.1 | 75.9 | 75.2 | 75.0 | 74.5 | 74.5 |
| Miscellaneous manfacturing ............................ | 103.9 | 103.8 | 103.8 | 104.1 | 103.4 | 102.0 | 101.6 | 102.0 | 101.5 | 100.3 | 98.6 | 97.5 | 98.1 |
| Nondurable goods | 105.1 | 105.2 | 104.6 | 104.3 | 104.0 | 104.4 | 104.0 | 103.5 | 102.8 | 103.0 | 102.6 | 102.2 | 102.6 |
| Food and kindred products | 118.4 | 119.2 | 118.5 | 118.5 | 118.3 | 119.9 | 119.3 | 118.9 | 116.8 | 118.9 | 118.2 | 119.5 | 121.4 |
| Tobacco products | 61.5 | 60.7 | 61.0 | 59.7 | 62.5 | 62.3 | 59.9 | 60.3 | 58.8 | 57.9 | 59.1 | 58.5 | 56.4 |
| Textile mill products ....... | 89.9 | 89.6 | 88.6 | 87.8 | 87.4 | 87.7 | 86.9 | 85.7 | 85.0 | 84.3 | 85.2 | 83.6 | 82.7 |
| Apparel and other textile products | 72.2 | 71.6 | 70.8 | 70.2 | 70.0 | 68.8 | 68.5 | 68.3 | 67.5 | 67.0 | 65.2 | 64.3 | 63.9 |
| Paper and allied products. | 111.6 | 111.6 | 111.1 | 111.1 | 109.9 | 110.7 | 110.5 | 109.4 | 109.1 | 109.9 | 109.2 | 108.6 | 108.3 |
| Printing and publishing | 126.7 | 126.3 | 126.0 | 125.3 | 124.7 | 125.6 | 125.0 | 125.4 | 125.4 | 124.1 | 124.5 | 123.5 | 123.0 |
| Chemicals and allied products | 102.0 | 103.1 | 103.2 | 103.4 | 102.7 | 102.8 | 103.1 | 102.6 | 102.8 | 102.7 | 102.8 | 101.9 | 101.5 |
| Petroleum and coal products ..... | 74.2 | 75.0 | 71.9 | 73.6 | 73.1 | 73.9 | 73.1 | 75.5 | 73.8 | 73.9 | 73.6 | 74.1 | 77.3 |
| Rubber and misc. plastics products .................. | 148.2 | 148.4 | 147.9 | 147.2 | 148.1 | 148.9 | 148.4 | 147.0 | 146.6 | 147.3 | 147.1 | 146.8 | 148.4 |
| Leather and leather products .......................... | 38.9 | 38.3 | 38.7 | 37.3 | 36.7 | 36.1 | 35.8 | 34.7 | 35.1 | 33.9 | 33.9 | 33.4 | 33.1 |
| Service-producing ........................................... | 156.0 | 156.9 | 157.0 | 156.7 | 157.0 | 158.2 | 158.2 | 159.1 | 159.0 | 158.7 | 159.7 | 159.9 | 160.3 |
| Transportation and public utilities .................... | 131.0 | 131.5 | 131.1 | 130.9 | 130.2 | 131.5 | 130.5 | 131.4 | 131.2 | 131.2 | 131.6 | 131.9 | 131.4 |
| Wholesale trade .............................................. | 126.9 | 128.0 | 128.2 | 127.6 | 127.9 | 128.8 | 127.9 | 128.6 | 129.0 | 128.7 | 129.1 | 129.9 | 130.0 |
| Retail trade | 139.2 | 139.8 | 139.9 | 139.3 | 139.8 | 141.1 | 140.7 | 141.9 | 141.3 | 141.5 | 142.0 | 141.7 | 141.5 |
| Finance, insurance, and real estate ................. | 130.9 | 132.5 | 133.4 | 133.6 | 134.2 | 134.9 | 134.8 | 136.1 | 136.2 | 135.6 | 136.6 | 137.6 | 137.0 |
| Services ......................................................... | 191.0 | 192.1 | 192.0 | 191.9 | 192.3 | 193.7 | 194.5 | 195.2 | 195.2 | 194.6 | 196.4 | 196.3 | 197.9 |

${ }^{1}$ Data relate to production workers in mining and manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

## $\mathrm{P}=$ preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

B-10. Hours of wage and salary workers on nonfarm payrolls by major industry, seasonally adjusted

| Industry | Millions of hours (annual rate) ${ }^{1}$ |  |  | Percent change |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Oct. } \\ & 1998^{\prime} \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998^{7} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998^{p} \end{gathered}$ | $\begin{gathered} \text { Dec. } 1997 \\ \text { to } \\ \text { Dec. } 1999^{p} \end{gathered}$ | Oct. 1998 to Nov. 1998' | $\begin{gathered} \text { Nov. } 1998 \\ \text { To } \\ \text { Dec. } 1998^{p} \end{gathered}$ |
| Total ....................................... | 231,364 | 232,159 | 233,835 | 2.4 | 0.3 | 0.7 |
| Private sector ................ | 194,593 | 194,856 | 195,681 | 2.4 | . 1 | . 4 |
| Mining ................................................... | 1,279 | 1,266 | 1,250 | -9.7 | -1.0 | -1.2 |
| Construction .......................................... | 12,224 | 12,215 | 12,713 | 7.9 | -. 1 | 4.1 |
| Manufacturing ........................................ | 40,422 | 40,232 | 40,292 | -1.9 | -. 5 | . 2 |
| Durable goods ..................................... | 24,282 | 24,134 | 24,162 | -2.1 | -. 6 | . 1 |
| Nondurable goods ................................ | 16,140 | 16,097 | 16,131 | -1.6 | -. 3 | . 2 |
| Transportation and public utilities ............... | 13,539 | 13,546 | 13,554 | 1.1 | . 0 | . 1 |
| Wholesale trade ..................................... | 13,670 | 13,764 | 13,778 | 2.8 | . 7 | . 1 |
| Retail trade ......... | 34,182 | 34,162 | 34,124 | 2.1 | -. 1 | -. 1 |
| Finance, insurance, and real estate ........... | 14,019 | 14,132 | 14,092 | 4.6 | . 8 | -. 3 |
| Services ............................................... | 65,258 | 65,540 | 65,878 | 4.2 | 4 | . 5 |
| Government ............................................. | 36,772 | 37,303 | 38,154 | 2.8 | 1.4 | 2.3 |

Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.
${ }^{\mathrm{p}}=$ preliminary.
${ }^{r}=$ revised.
NOTE: Data refer to hours of all employees-production workers, nonsupervisory workers, and salaried workers-and are based
largely on establishment data. See BLS Handbook of Methods, BLS Bufletin 2490, chapter 10, "Productivity Measures: Business Sector and Major Subsectors".
SOURCE: Office of Productivity and Technology (202-606-5606). Historical data for this series also are available on the Internet at the following address:
$\mathrm{ftp}: / / \mathrm{fp}$.bls.gov/pub/special.requests/opt/ableb10.txt

ESTABLISHMENT DATA
EARNINGS

## SEASONALLY ADJUSTED

B-11. Average hourly and weekly earnings of production or nonsupervisory workers' on private nonfarm payrolls by major industry, saasonally adjusted

| Industry | 1997 | 1998 |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p | Dec.p |
|  | Average hourly earnings |  |  |  |  |  |  |  |  |  |  |  |  |
| Total private (in current dollars) | \$12.50 | \$12.54 | \$12.59 | \$12.63 | \$12.70 | \$12.73 | \$12.76 | \$12.79 | \$12.85 | \$12.87 | \$12.90 | \$12.93 | \$12.98 |
| Goods-producing ....................................... | 14.15 | 14.16 | 14.21 | 14.25 | 14.25 | 14.27 | 14.28 | 14.31 | 14.39 | 14.39 | 14.43 | 14.46 | 14.50 |
| Mining ...................................................... | 16.46 | 16.47 | 16.76 | 16.82 | 16.72 | 16.77 | 16.73 | 16.88 | 17.10 | 17.15 | 17.20 | 17.35 | 17.32 |
| Construction ............................................ | 16.34 | 16.27 | 16.34 | 16.40 | 16.45 | 16.46 | 16.51 | 16.64 | 16.67 | 16.57 | 16.69 | 16.76 | 16.81 |
| Manufacturing | 13.37 | 13.38 | 13.42 | 13.46 | 13.44 | 13.47 | 13.47 | 13.42 | 13.52 | 13.57 | 13.57 | 13.58 | 13.58 |
| Excluding overtime ${ }^{2}$................................. | 12.63 | 12.66 | 12.69 | 12.73 | 12.76 | 12.78 | 12.76 | 12.71 | 12.81 | 12.90 | 12.88 | 12.89 | 12.89 |
| Service-producing ...................................... | 11.95 | 12.00 | 12.06 | 12.10 | 12.19 | 12.23 | 12.26 | 12.30 | 12.35 | 12.38 | 12.41 | 12.44 | 12.49 |
| Transportation and public utilities ............... | 15.16 | 15.21 | 15.25 | 15.27 | 15.32 | 15.31 | 15.29 | 15.33 | 15.35 | 15.42 | 15.42 | 15.45 | 15.56 |
| Wholesale trade ......................................... | 13.71 | 13.75 | 13.81 | 13.84 | 13.88 | 14.00 | 13.98 | 14.07 | 14.16 | 14.14 | 14.19 | 14.24 | 14.26 |
| Retall trade | 8.51 | 8.56 | 8.59 | 8.64 | 8.70 | 8.72 | 8.73 | 8.78 | 8.83 | 8.86 | 8.85 | 8.85 | 8.90 |
| Finance, Insurance, and real estate | 13.66 | 13.72 | 13.83 | 13.85 | 14.00 | 14.03 | 14.07 | 14.10 | 14.16 | 14.17 | 14.24 | 14.34 | 14.36 |
| Services | 12.50 | 12.54 | 12.60 | 12.65 | 12.76 | 12.81 | 12.87 | 12.90 | 12.95 | 12.99 | 13.03 | 13.05 | 13.09 |
| Total private (in constant (1982) dollars) ${ }^{3}$ $\qquad$ Goods-producing $\qquad$ | 7.63 <br> 8.64 | 7.66 8.64 | 7.69 8.68 | 7.72 8.70 | 7.74 8.68 | 7.73 8.67 | 7.75 8.67 | 7.75 8.67 | 7.78 8.72 | 7.79 8.71 | 7.79 8.71 | 7.79 8.72 | (4) (4) |
| Service-producing ..................................... | 7.30 | 7.33 | 7.36 | 7.39 | 7.43 | 7.43 | 7.44 | 7.45 | 7.48 | 7.49 | 7.49 | 7.50 | (4) |
|  | Average weekly earnings |  |  |  |  |  |  |  |  |  |  |  |  |
| Total private (in current dollars) ........................ | 433.75 | 436.39 | 436.87 | 437.00 | 438.15 | 441.73 | 441.50 | 442.53 | 444.61 | 442.73 | 446.34 | 446.09 | 449.11 |
| Goods-producing ........................................ | 585.81 | 589.06 | 588.29 | 584.25 | 581.40 | 586.50 | 585.48 | 588.14 | 591.43 | 587.11 | 593.07 | 591.41 | 597.40 |
| Mining ....................................................... | 739.05 | 747.74 | 744.14 | 736.72 | 737.35 | 747.94 | 732.77 | 756.22 | 748.98 | 740.88 | 753.36 | 754.73 | 748.22 |
| Construction ............................................ | 637.26 | 647.55 | 640.53 | 631.40 | 636.62 | 635.36 | 633.98 | 652.29 | 651.80 | 636.29 | 652.58 | 650.29 | 667.36 |
| Manufacturing ........................................... | 564.21 | 563.30 | 563.64 | 562.63 | 556.42 | 563.05 | 563.05 | 559.61 | 563.78 | 564.51 | 565.87 | 564.93 | 567.64 |
| Service-producing ...................................... | 393.16 | 396.00 | 397.98 | 396.88 | 401.05 | 403.59 | 403.35 | 404.67 | 406.32 | 406.06 | 408.29 | 409.28 | 410.92 |
| Transportation and public utilitles ............... | 604.88 | 608.40 | 608.48 | 607.75 | 606.67 | 609.34 | 603.96 | 607.07 | 603.26 | 606.01 | 606.01 | 607.19 | 606.84 |
| Wholesale trade ........................................ | 525.09 | 529.38 | 531.69 | 530.07 | 531.60 | 539.00 | 534.04 | 538.88 | 543.74 | 540.15 | 543.48 | 548.24 | 549.01 |
| Retail trade ................................................ | 245.94 | 248.24 | 249.11 | 249.70 | 252.30 | 253.75 | 253.17 | 255.50 | 256.07 | 256.94 | 257.54 | 256.65 | 257.21 |
| Finance, insurance, and real estate | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) |
| Services | 408.75 | 411.31 | 412.02 | 412.39 | 415.98 | 418.89 | 420.85 | 421.83 | 423.47 | 422.18 | 426.08 | 425.43 | $429.35$ |
| Total private (in constant (1982) dollars) ${ }^{3}$......... | 264.80 | 266.42 | 266.71 | 266.95 | 267.00 | 268.37 | 268.06 | 268.20 | 269.30 | 268.00 | 269.37 | 268.89 | (4) |
| Goods-producing ..................................... | 357.64 | 359.62 | 359.15 | 356.90 | 354.30 | 356.32 | 355.48 | 356.45 | 358.23 | 355.39 | 357.92 | 356.49 | (4) |
| Service-producing ..................................... | 240.02 | 241.76 | 242.97 | 242.44 | 244.39 | 245.19 | 244.90 | 245.25 | 246.11 | 245.80 | 246.40 | 246.70 | (4) |

1 Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.
${ }^{2}$ Derived by assuming that overtime hours are paid at the rate of time and one-halt.
${ }^{3}$ The Consumer Price Index for Urban Wager Earners and Clerical Workers (CPt-W) is used to deflate these series.

4 Not available.
5 This series is not computed because the average weekly hours' component is not available on a seasonally adjusted basis.
$\mathrm{P}=$ preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data trom January 1994 forward are subject to revision.

B-12. Employees on nonfarm payrolls by detailed industry
(In thousands)

| Indusiry | 1987 SIC Code | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | Nov. 1998P | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ |
| Total .. |  | 124,965 | 125.123 | 127.504 | 127,820 | 127,976 | - | - | - | - | - |
| Total privato |  | 104,869 | 105,077 | 107,250 | 107,372 | 107,575 | 86,024 | 86,161 | 87,816 | 87,908 | 88,024 |
| Mining ................................................................. |  | 594 | 591 | 570 | 563 | 556 | 450 | 447 | 433 | 427 | 421 |
| Metal mining | 10 | 52.9 | 51.8 | 50.4 | 50.0 | 49.8 | 40.4 | 39.4 | 38.2 | 37.7 | - |
| Iron ores ... | 101 | 8.4 | 8.4 | 8.2 | 8.2 | - | 7.0 | 6.9 | 6.8 | 6.8 | - |
| Copper ores ........................................................ | 102 | 16.0 | 16.0 | 14.6 | 14.5 | - | 12.0 | 12.0 | 11.0 | 10.8 | - |
| Coal mining | 12 | 94.3 | 93.9 | 89.0 | 90.1 | 89.4 | 77.3 | 77.0 | 73.2 | 74.0 | - |
| Bituminous coal and lignite mining ......................... | 122 | 88.7 | 88.5 | 83.2 | 84.3 | - | 72.6 | 72.4 | 68.2 | 69.0 | - |
| Oil and gas extraction | 13 | 338.6 | 339.8 | 319.3 | 313.5 | 310.5 | 249.7 | 251.2 | 236.6 | 232.3 | - |
| Crude petroleum and natural gas ........................... | 131 | 140.6 | 141.0 | 133.2 | 131.4 177.7 | - | 81.1 | 81.5 | 80.2 | 79.3 | - |
| Oil and gas field services ..................................... | 138 | 193.1 | 193.9 | 181.7 | 177.7 | - | 164.5 | 165.6 | 152.6 | 148.9 | - |
| Nonmetallic minerals, except fuels ........................... | 14 | 108.2 | 105.1 | 111.3 | 109.3 | 106.3 | 82.1 | 79.3 | 84.8 | 83.3 | - |
| Crushed and broken stone | 142 | 41.9 | 40.6 | 42.9 | 42.5 | - | 32.7 | 31.5 | 33.5 | 33.0 | - |
| Sand and gravel | 144 | 36.2 | 34.5 | 38.3 | 37.0 | - | - | - | - | - | - |
| Chemical and fertilizer minerals ............................. | 147 | 11.5 | 11.6 | 11.5 | 11.4 | - | - | - | - | - | - |
| Construction |  | 5,879 | 5,704 | 6,269 | 6,186 | 6.047 | 4,580 | 4,403 | 4.895 | 4,808 | 4,667 |
| General building contractors | 15 | 1,355.8 | 1,343.5 | 1,452.2 | 1,437.2 | 1,425.3 | 959.5 | 945.7 | 1,023.1 | 1,007.9 | - |
| Residential building construction ............................ | 152 | 703.1 | 696.8 | 762.9 | 755.8 | - | 479.9 | 472.8 | 519.0 | 511.1 | - |
| Operative builders .................... | 153 | 26.9 | 26.6 | 29.1 | 28.5 | - | 10.8 | 10.7 | 11.2 | 11.1 | - |
| Nonresidential building construction ........................ | 154 | 625.8 | 620.1 | 660.2 | 652.9 | - | 468.8 | 462.2 | 492.9 | 485.7 | - |
| Heavy construction, except building .......................... | 16 | 823.4 | 757.6 | 905.9 | 869.0 | 813.9 | 688.2 | 624.2 | 769.5 | 733.3 | - |
| Highway and street construction ............................ | 161 | 250.7 | 208.4 | 288.2 | 262.7 | - | 204.8 | 163.4 | 241.6 | 216.7 | - |
| Heavy construction, except highway ....................... | 162 | 572.7 | 549.2 | 617.7 | 606.3 | - | 483.4 | 460.8 | 527.9 | 516.6 | - |
| Special trade contractors ........................................ | 17 | 3,699.8 | 3,602.6 | 3,911.1 | 3,880.1 | 3,807.9 | 2,932.2 | 2,833.0 | 3,102.4 | 3,067.2 | - |
| Plumbing, heating, and air conditioning ................... | 171 | 802.7 | 804.6 | 838.9 | 836.4 | - | 593.5 | 594.7 | 620.5 | 617.2 | - |
| Painting and paper hanging ................................... | 172 | 206.8 | 195.6 | 215.7 | 210.5 | - | 172.2 | 160.6 | 179.6 | 174.6 | - |
| Electrical work ............... | 173 | 709.2 | 708.5 | 747.4 | 747.4 | - | 565.2 | 564.7 | 593.3 | 592.1 | - |
| Masonry, stonework, and plastering ........................ | 174 | 487.3 | 474.8 | 531.2 | 532.9 | - | 420.7 | 407.7 | 461.8 | 462.5 | - |
| Carpeniry and floor work ...................................... | 175 | 257.2 | 259.9 | 283.7 | 280.9 | - | 197.4 | 198.6 | 215.3 | 213.0 | - |
| Roofing, siding, and sheet metal work ..................... | 176 | 250.0 | 238.1 | 264.5 | 259.9 | - | 199.4 | 186.9 | 212.0 | 206.9 | - |
| Manufacturing ....................................................... |  | 18,814 | 18,817 | 18,683 | 18,621 | 18,580 | 13,023 | 13,016 | 12,867 | 12,814 | 12,785 |
| Durable goods .................................................... |  | 11,126 | 11,149 | 11,066 | 11,038 | 11,021 | 7,649 | 7,664 | 7,570 | 7,550 | 7,546 |
| Lumber and wood products ................................... | 24 | 799.3 | 797.2 | 815.3 | 812.0 | 808.6 | 659.2 | 656.7 | 670.1 | 667.5 | 663.2 |
| Logging | 241 | 83.8 | 82.3 | 82.0 | 79.9 | - | 67.3 | 66.2 | 64.6 | 63.1 | - |
| Sawmills and planing mills | 242 | 181.8 | 182.3 | 180.1 | 179.6 | - | 158.5 | 158.9 | 157.0 | 156.6 | - |
| Sawmills and planing mills, general | 2421 | 143.4 | 143.9 | 140.3 | 139.4 | - | 124.7 | 125.0 | 121.9 | 121.1 | - |
| Hardwood dimension and fiooring mills ................ | 2426 | 36.5 | 36.4 | 37.5 | 37.7 | - | 32.2 | 32.2 | 33.2 | 33.4 | - |
| Millwork, plywood, and structural members ............. | 243 | 296.1 | 296.5 | 312.2 | 312.0 | - | 238.5 | 237.7 | 251.3 | 251.2 | - |
| Millwork ........................................................... | 2431 | 117.0 | 117.9 | 123.1 | 122.7 | - | 90.5 | 90.3 | 95.6 | 95.5 | - |
| Wood kitchen cabinets | 2434 | 82.7 | 83.0 | 88.6 | 88.9 | - | 67.2 | 67.4 | 71.9 | 72.1 | - |
| Hardwood veneer and plywood | 2435 | 28.6 | 28.6 | 29.2 | 29.0 | - | 24.3 | 24.3 | 24.7 | 24.6 | - |
| Softwood veneer and plywood | 2436 | 28.9 | 28.6 | 28.8 | 29.0 | - | 26.6 | 26.2 | 26.1 | 26.2 | - |
| Wood containers ..................... | 244 | 54.0 | 54.0 | 52.7 | 52.0 | - | 46.1 | 46.3 | 44.9 | 44.6 | - |
| Wood buildings and mobile homes | 245 | 93.8 | 92.5 | 97.8 | 98.0 | - | 75.4 | 74.1 | 78.6 | 78.3 | - |
| Mobile homes ................. | 2451 | 71.3 | 70.1 | 75.1 | 75.1 | - | 59.9 | 58.6 | 63.0 | 62.8 | - |
| Miscellaneous wood products ............................. | 249 | 89.8 | 89.6 | 90.5 | 90.5 | - | 73.4 | 73.5 | 73.7 | 73.7 | - |
| Furniture and fixtures | 25 | 515.6 | 517.8 | 525.8 | 526.6 | 529.8 | 410.1 | 412.2 | 418.4 | 419.0 | 422.8 |
| Household furniture | 251 | 278.7 | 280.0 | 281.7 | 282.1 | - | 235.1 | 236.6 | 238.4 | 238.6 | - |
| Wood household furniture | 2511 | 124.8 | 124.4 | 126.4 | 126.9 | - | 108.2 | 108.0 | 109.7 | 109.9 | - |
| Upholstered household furniture | 2512 | 88.4 | 88.8 | 89.6 | 89.8 | - | 74.5 | 74.9 | 76.1 | 76.4 | - |
| Metal household furniture. | 2514 | 19.4 | 20.8 | 18.2 | 18.4 | - | 16.1 | 17.4 | 14.9 | 15.1 | - |
| Mattresses and bedsprings ............................... | 2515 | 34.6 | 34.9 | 35.2 | 34.9 | - | 26.7 | 27.1 | 27.2 | 26.9 | - |

See footnotes al end of table.

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 19980 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{aligned} & \text { Dec. } \\ & 19980 \end{aligned}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Furniture and fixtures-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Office furniture | 252 | 64.7 | 65.1 | 65.6 | 65.7 | - | 48.0 | 48.3 | 47.7 | 47.8 | - |
| Public building and related furniture | 253 | 43.6 | 43.9 | 45.9 | 46.3 | - | 34.3 | 34.5 | 35.5 | 36.1 | - |
| Partitions and fixtures | 254 | 88.6 | 88.6 | 90.7 | 90.7 | - | 66.1 | 66.2 | 68.2 | 68.1 | - |
| Miscellaneous furniture and fixtures | 259 | 40.0 | 40.2 | 41.9 | 41.8 | - | 26.6 | 26.6 | 28.6 | 28.4 | - |
| Stone, clay, and glass products | 32 | 557.4 | 550.0 | 572.6 | 570.7 | 565.1 | 436.9 | 429.4 | 449.6 | 447.8 | 441.8 |
| Fiat glass | 321 | 17.0 | 16.8 | 16.5 | 16.5 | - | 13.8 | 13.6 | 13.0 | 13.1 | - |
| Glass and glassware, pressed or blown | 322 | 72.7 | 72.8 | 71.3 | 71.2 | - | 60.4 | 60.3 | 58.8 | 58.7 | - |
| Glass containers ....................... | 3221 | 25.8 | 26.0 | 25.6 | 25.4 | - | 23.1 | 23.2 | 22.5 | 22.5 | - |
| Pressed and blown glass, nec | 3229 | 46.9 | 46.8 | 45.7 | 45.8 | - | 37.3 | 37.1 | 36.3 | 36.2 | - |
| Products of purchased glass | 323 | 64.2 | 63.4 | 64.6 | 64.8 | - | 51.0 | 49.9 | 50.1 | 50.0 | - |
| Cement, hydraulic. | 324 | 17.3 | 17.2 | 17.5 | 17.5 | - | 13.2 | 13.1 | 13.1 | 13.1 | - |
| Structural clay products | 325 | 33.6 | 33.4 | 33.1 | 33.1 | - | 26.3 | 26.0 | 25.4 | 25.4 | - |
| Pottery and related products | 326 | 38.9 | 38.6 | 38.2 | 38.1 | - | 30.6 | 30.4 | 29.9 | 29.9 | - |
| Concrete, gypsum, and piaster products | 327 | 219.9 | 213.9 | 231.7 | 230.0 | - | 169.8 | 164.1 | 180.8 | 179.2 | - |
| Concrete block and brick | 3274 | 18.4 | 17.8 | 18.6 | 18.6 | - | 11.9 | 11.4 | 12.0 | 12.0 | - |
| Concrete products, nec | 3272 | 73.6 | 72.9 | 78.1 | 78.0 | - | 56.5 | 55.7 | 60.5 | 60.5 | - |
| Ready-mixed concrete ....................................... | 3273 | 110.0 | 105.2 | 116.9 | 115.4 | - | 87.3 | 82.8 | 94.0 | 92.5 | - |
| Misc. nonmetallic mineral products | 329 | 78.7 | 79.0 | 80.3 | 80.0 | - | 60.6 | 60.8 | 63.3 | 62.9 | - |
| Abrasive products | 3291 | 20.0 | 20.3 | 20.2 | 20.0 | - | 15.9 | 16.1 | 16.0 | 15.9 | - |
| Asbestos products | 3292 | 2.5 | 2.5 | 2.5 | 2.5 | - | 2.1 | 2.1 | 2.2 | 2.1 | - |
| Mineral wool | 3296 | 24.2 | 24.3 | 24.6 | 24.7 | - | - | - | - | - | - |
| Primary metal industries ....................................... | 33 | 718.0 | 720.1 | 705.3 | 700.7 | 700.0 | 563.0 | 564.5 | 551.6 | 547.5 | 547.7 |
| Blast furnaces and basic steel products ................. | 331 | 236.3 | 236.2 | 229.5 | 226.5 | 227.6 | 182.3 | 182.4 | 176.8 | 174.4 | 176.1 |
| Blast furnaces and steel mills | 3312 | 163.6 | 163.1 | 158.3 | 155.9 | - | 127.4 | 127.2 | 123.1 | 121.2 | - |
| Steel pipe and tubes | 3317 | 28.5 | 28.7 | 28.3 | 28.2 | - | 21.4 | 21.6 | 21.4 | 21.3 | - |
| Iron and steel foundries | 332 | 133.0 | 133.5 | 130.9 | 130.2 | - | 109.3 | 109.8 | 107.3 | 106.7 | - |
| Gray and ductile iron foundries ........................... | 3321 | 81.5 | 81.7 | 79.7 | 79.2 | - | 67.8 | 67.9 | 66.0 | 65.6 | - |
| Malleable iron foundries .................................... | 3322 | 4.7 | 4.7 | 4.6 | 4.6 | - | 3.6 | 3.7 | 3.5 | 3.4 | - |
| Steel foundries, nec . | 3325 | 27.9 | 28.0 | 28.5 | 28.5 | - | 22.8 | 22.9 | 23.4 | 23.4 | - |
| Primary nonferrous metals ................................... | 333 | 39.4 | 39.4 | 37.7 | 37.5 | - | 30.5 | 30.4 | 29.2 | 29.0 | - |
| Primary aluminum ............................................. | 3334 | 22.2 | 22.2 | 21.6 | 21.6 | - | 18.0 | 17.9 | 17.5 | 17.5 | - |
| Nonferrous rolling and drawing .............................. | 335 | 168.6 | 169.3 | 168.0 | 167.7 | - | 129.7 | 130.1 | 128.8 | 128.3 | - |
| Copper rolling and drawing ................................ | 3351 | 22.3 | 22.6 | 22.2 | 22.1 | - | 17.7 | 18.0 | 18.1 | 18.1 | - |
| Aluminum sheet, plate, and toil ........................... | 3353 | 21.3 | 21.0 | 19.8 | 19.8 | - | 15.8 | 15.7 | 14.5 | 14.5 | - |
| Nonferrous wire drawing and insulating ................ | 3357 | 72.1 | 72.5 | 72.4 | 72.6 | - | 55.2 | 55.2 | 54.6 | 54.5 | - |
| Nonterrous foundries (castings) | 336 | 93.1 | 93.6 | 91.7 | 91.2 | - | 75.9 | 76.3 | 74.5 | 74.2 | - |
| Aluminum foundries ......................................... | 3365 | 25.9 | 25.9 | 26.3 | 26.0 | - | 21.3 | 21.3 | 21.7 | 21.5 | - |
| Fabricated metal products | 34 | 1,493.9 | 1,497.8 | 1,487.0 | 1,486.3 | 1,485.5 | 1,127.9 | 1,131.3 | 1,120.0 | 1,119.7 | 1,118.7 |
| Metal cans and shipping containers ...................... | 341 | 37.2 | 37.2 | 36.3 | 36.2 | . | 31.7 | 31.7 | 30.7 | 30.6 |  |
| Metal cans ...................................................... | 3411 | 29.8 | 29.7 | 29.2 | 29.2 | - | 25.7 | 25.6 | 25.2 | 25.2 | - |
| Cutlery, handtcols, and hardware .......................... | 342 | 126.5 | 126.7 | 124.8 | 124.5 | - | 97.0 | 97.3 | 95.9 | 95.7 | - |
| Hand and edge tools, and blades and handsaws ... | 3423.5 | 43.2 | 43.3 | 42.4 | 42.3 | - | 33.4 | 33.3 | 32.8 | 32.9 | - |
| Hardware, nec | 3429 | 70.1 | 70.4 | 69.3 | 69.1 | - | 53.6 | 54.2 | 53.0 | 52.8 | - |
| Plumbing and heating, except electric .................... | 343 | 60.0 | 60.3 | 59.3 | 59.9 | - | 43.1 | 43.2 | 42.1 | 42.7 | - |
| Plumbing fixture fittings and trim ......................... | 3432 | 23.8 | 24.0 | 23.9 | 24.4 | - | 17.2 | 17.4 | 17.3 | 17.9 | - |
| Heating equipment, except electric ..................... | 3433 | 21.8 | 21.8 | 21.1 | 21.1 | - | 15.0 | 14.8 | 13.9 | 13.9 | - |
| Fabricated structural metal products ...................... | 344 | 456.4 | 455.7 | 459.4 | 459.2 | - | 334.3 | 334.1 | 336.8 | 336.2 | - |
| Fabricated structural metal ................................ | 3441 | 79.4 | 78.8 | 80.7 | 81.1 | - | 58.2 | 57.7 | 59.5 | 59.6 | - |
| Metal doors, sash, and trim ................................ | 3442 | 79.6 | 78.7 | 80.8 | 80.8 | - | 58.9 | 58.0 | 60.1 | 60.1 | - |
| Fabricated plate work (boiler shops) .................... | 3443 | 101.2 | 101.8 | 98.6 | 97.8 | - | 73.0 | 73.7 | 70.7 | 69.6 | - |
| Sheet metal work | 3444 | 121.6 | 121.7 | 123.4 | 123.1 | - | 93.1 | 93.4 | 94.5 | 94.5 | - |
| Architectural metal work | 3446 | 31.2 | 31.1 | 32.4 | 32.8 | - | 22.7 | 22.7 | 23.9 | 24.2 | - |
| Screw machine products, bolts, etc ........................ | 345 | 106.8 | 107.6 | 107.1 | 107.1 | - | 84.0 | 84.5 | 83.8 | 83.9 | - |
| Screw machine products ................................... | 3451 | 55.8 | 56.3 | 55.8 | 55.9 | - | 45.4 | 45.7 | 45.5 | 45.6 | - |
| Bolts, nuts, rivets, and washers ........................... | 3452 | 51.0 | 51.3 | 51.3 | 51.2 | - | 38.6 | 38.8 | 38.3 | 38.3 | - |
| Metal forgings and stampings ............................... | 346 | 258.9 | 260.6 | 259.0 | 260.1 | - | 205.8 | 206.9 | 204.2 | 205.2 | - |
| Iron and steel lorgings ...................................... | 3462 | 32.8 | 33.0 | 33.3 | 33.3 | - | 25.1 | 25.4 | 25.2 | 25.2 | - |
| Automotive stampings ....................................... | 3465 | 115.7 | 116.9 | 114.7 | 115.8 | - | 95.3 | 95.8 | 93.6 | 94.8 | - |
| Metal stampings, nec ........................................ | 3469 | 97.2 | 97.5 | 97.6 | 97.5 | - | 75.5 | 75.7 | 75.1 | 74.8 | - |

See footnotes at end of table.

## ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(in thousands)

| Industry | 1987 <br> SIC <br> Code | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. $199{ }^{\circ}$ | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1998{ }^{\circ} \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 p \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Fabricated metal products-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Metal services, nec .......................... | 347 | 140.7 | 140.9 | 138.5 | 138.1 | - | 113.5 | 113.8 | 111.6 | 111.5 | - |
| Plating and polishing | 3471 | 86.4 | 86.8 | 84.7 | 84.6 | - | 70.4 | 71.0 | 69.1 | 69.1 | - |
| Metal coating and allied services | 3479 | 54.3 | 54.1 | 53.8 | 53.5 | - | 43.1 | 42.8 | 42.5 | 42.4 | - |
| Ordnance and accessories, nec .. | 348 | 41.8 | 41.8 | 39.8 | 39.5 | - | 23.3 | 23.4 | 23.3 | 23.0 | - |
| Ammunition, except for small arms, nec | 3483 | 22.2 | 22.3 | 21.1 | 21.0 | - | 10.3 | 10.3 | 9.7 | 9.8 |  |
| Miscellaneous fabricated metal products | 349 | 265.6 | 267.0 | 262.8 | 261.7 | - | 195.2 | 196.4 | 191.6 | 190.9 | - |
| Valves and pipe fittings, nec ................ | 3494 | 26.2 | 26.2 | 24.6 | 24.6 | - | 19.4 | 19.3 | 17.7 | 17.6 | - |
| Misc. tabricated wire products | 3496 | 57.0 | 57.1 | 57.4 | 57.0 | - | 42.9 | 43.0 | 43.2 | 43.1 | - |
| Industrial machinery and equipment | 35 | 2,186.5 | 2,198.5 | 2,164.0 | 2,156.1 | 2,153.3 | 1,377.9 | 1,388.0 | 1,367.5 | 1,363.5 | 1,363.5 |
| Engines and turbines | 351 | 82.8 | 82.9 | 83.3 | 83.2 | - | 52.3 | 52.2 | 54.3 | 54.4 | - |
| Turbines and turbine generator sets .................... | 3511 | 24.3 | 24.3 | 23.4 | 23.3 | - | 13.7 | 13.8 | 13.1 | 13.0 | - |
| Internal combustion engines, nec. | 3519 | 58.5 | 58.6 | 59.9 | 59.9 | - | 38.6 | 38.4 | 41.2 | 41.4 | - |
| Farm and garden machinery ........ | 352 | 102.9 | 105.7 | 99.0 | 96.4 | - | 74.9 | 77.5 | 71.0 | 68.8 | - |
| Farm machinery and equipment | 3523 | 78.0 | 79.1 | 75.6 | 72.6 | - | 56.6 | 57.6 | 53.7 | 51.0 | - |
| Construction and related machinery | 353 | 249.6 | 251.8 | 251.5 | 251.1 | - | 163.4 | 164.9 | 162.8 | 162.3 | - |
| Construction machinery | 3531 | 90.3 | 91.1 | 91.6 | 91.4 | - | 61.7 | 62.4 | 61.9 | 62.2 | - |
| Mining machinery | 3532 | 17.1 | 17.2 | 16.8 | 16.7 | - | 10.3 | 10.4 | 9.9 | 9.9 | - |
| Oil and gas field machinery | 3533 | 50.7 | 51.2 | 49.3 | 48.2 | - | 34.6 | 34.8 | 33.2 | 31.7 | - |
| Conveyors and conveying equipment | 3535 | 40.9 | 41.4 | 41.9 | 42.4 | - | 22.8 | 23.0 | 22.6 | 22.8 | - |
| Industrial trucks and tractors | 3537 | 31.6 | 31.8 | 32.5 | 33.0 | - | 22.0 | 22.1 | 22.6 | 23.1 | - |
| Metalworking machinery | 354 | 352.1 | 352.8 | 345.1 | 344.8 | - | 251.1 | 252.7 | 245.7 | 246.0 | - |
| Machine tools, metal cutting types | 3541 | 42.2 | 42.9 | 41.9 | 41.9 | - | 26.6 | 27.3 | 26.4 | 26.3 | - |
| Machine tools, metal forming types | 3542 | 18.0 | 18.0 | 17.8 | 17.7 | - | 11.3 | 11.4 | 11.2 | 11.1 | - |
| Special dies, tools, jigs, and fixtures | 3544 | 169.4 | 169.9 | 166.2 | 166.5 | - | 129.7 | 130.4 | 126.3 | 126.8 | - |
| Machine tool accessories | 3545 | 53.8 | 53.6 | 53.3 | 53.3 | - | 38.2 | 38.1 | 38.0 | 38.0 | - |
| Power driven handtools | 3546 | 20.9 | 20.6 | 20.0 | 19.8 | - | 14.4 | 14.3 | 14.4 | 14.4 | - |
| Special industry machinery | 355 | 184.6 | 185.1 | 177.9 | 177.3 | - | 101.0 | 101.4 | 97.9 | 98.1 | - |
| Textile machinery ........... | 3552 | 15.2 | 15.1 | 14.9 | 14.8 | - | 9.9 | 10.0 | 9.7 | 9.6 | - |
| Printing trades machinery | 3555 | 23.0 | 23.1 | 23.0 | 23.0 | - | 13.0 | 13.2 | 12.9 | 13.0 | - |
| Food products machinery | 3556 | 25.3 | 25.3 | 24.5 | 24.6 | - | 15.1 | 14.9 | 14.6 | 14.7 | - |
| General industrial machinery | 356 | 264.9 | 266.4 | 263.0 | 262.2 | - | 169.5 | 170.4 | 167.3 | 166.7 | - |
| Pumps and pumping equipment | 3561 | 30.4 | 30.5 | 29.9 | 29.9 | - | 17.6 | 17.7 | 17.4 | 17.3 | - |
| Ball and roller bearings .... | 3562 | 40.5 | 40.6 | 41.0 | 40.7 | - | 31.6 | 31.6 | 31.6 | 31.4 | - |
| Air and gas compressors | 3563 | 26.4 | 26.4 | 26.6 | 26.4 | - | 15.3 | 15.3 | 14.9 | 14.6 | - |
| Blowers and fans | 3564 | 35.3 | 35.5 | 35.5 | 35.5 | - | 23.8 | 24.0 | 24.6 | 24.7 | - |
| Speed changers, drives, and gears | 3566 | 18.1 | 18.3 | 18.2 | 18.2 | - | 13.2 | 13.3 | 13.3 | 13.3 | - |
| Power transmission equipment, nec | 3568 | 22.2 | 22.3 | 21.5 | 21.3 | - | 15.4 | 15.6 | 15.1 | 15.0 | - |
| Computer and office equipment.. | 357 | 378.7 | 380.7 | 370.9 | 368.2 | 365.6 | 143.2 | 144.4 | 144.2 | 144.2 | - |
| Electronic computers ...................... | 3571 | 198.5 | 199.6 | 192.2 | 190.3 | - | 67.5 | 68.6 | 71.0 | 71.7 | - |
| Computer terminals, calculators, and office machines, nec $\qquad$ | 3575,8,9 | 61.0 | 61.2 | 62.8 | 62.0 | - | 24.3 | 24.1 | 24.3 | 23.6 | - |
| Retrigeration and service machinery | 358 | 200.8 | 200.0 | 199.4 | 199.4 | - | 143.2 | 143.0 | 143.5 | 142.8 | - |
| Refrigeration and heating equipment | 3585 | 138.2 | 137.5 | 135.8 | 136.7 | - | 104.0 | 103.8 | 102.9 | 103.1 | - |
| Misc. industrial and commercial machinery | 359 | 370.1 | 373.1 | 373.9 | 373.5 | - | 279.3 | 281.5 | 280.8 | 280.2 | - |
| Carburetors, pistons, rings, valves ...................... | 3592 | 22.7 | 22.9 | 23.4 | 23.1 | - | 18.1 | 18.3 | 18.8 | 18.5 | - |
| Scales, balances, and industrial machinery, nec .... | 3596,9 | 300.2 | 302.5 | 301.8 | 301.8 | - | 231.8 | 233.4 | 231.5 | 231.2 | - |
| Electronic and other electrical equipment ................. | 36 | 1,714.9 | 1,720.5 | 1,678.6 | 1,674.3 | 1,672.6 | 1,086.5 | 1,092.7 | 1,049.1 | 1,043.6 | 1,047.5 |
| Electric distribution equipment | 361 | 83.3 | 82.0 | 83.2 | 83.2 | - | 56.5 | 55.3 | 55.1 | 55.0 | - |
| Transformers, except electronic | 3612 | 40.2 | 39.6 | 38.9 | 38.7 | - | 27.6 | 27.0 | 25.3 | 25.2 | - |
| Switchgear and switchboard apparatus ................. | 3613 | 43.1 | 42.4 | 44.3 | 44.5 | - | 28.9 | 28.3 | 29.8 | 29.8 | - |
| Electrical industrial apparatus.. | 362 | 153.5 | 154.2 | 151.0 | 150.7 | - | 107.1 | 107.2 | 104.3 | 104.0 | - |
| Motors and generators | 3621 | 76.1 | 76.6 | 74.8 | 74.8 | - | 59.2 | 59.3 | 57.6 | 57.2 | - |
| Relays and industrial controls .............................. | 3625 | 57.0 | 57.1 | 55.5 | 55.3 | - | 33.1 | 33.1 | 32.0 | 32.2 | - |
| Household appliances | 363 | 115.3 | 115.3 | 115.0 | 115.0 | - | 90.9 | 91.0 | 92.3 | 92.6 | - |
| Household refrigerators and freezers | 3632 | 23.2 | 23.3 | 23.4 | 23.5 | - | 17.9 | 18.0 | 18.8 | 19.0 | - |
| Household laundry equipment... | 3633 | 17.3 | 17.4 | 18.0 | 18.0 | - | 13.7 | 13.8 | 14.9 | 15.1 | - |
| Electric housewares and fans .... | 3634 | 27.1 | 26.3 | 25.5 | 25.0 | - | 20.7 | 20.0 | 19.3 | 18.8 | - |

See footnotes at end of table.

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)


See footnotes at end of table.

## ESTABLSHMENT DATA <br> EMPLOYMENT <br> NOT SEASONALLY ADJUSTED

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ 1998 \mathrm{p} \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1999p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 19988 } \end{gathered}$ |
| Nondurable goods |  | 7,688 | 7,668 | 7.617 | 7.583 | 7.559 | 5,374 | 5.352 | 5,297 | 5.264 | 5,239 |
| Food and kindred products. | 20 | 1,704.9 | 1,688.3 | 1,733.8 | 1,719.1 | 1,705.9 | 1,269.8 | 1,251.6 | 1,294.9 | 1,281.6 | 1,265.6 |
| Meat products ....... | 201 | 496.4 | 497.6 | 507.5 | 511.3 | - | 422.5 | 422.7 | 432.8 | 437.3 | - |
| Mear packing plants | 2011 | 153.0 | 153.2 | 155.3 | 156.3 |  | 128.6 | 128.4 | 129.8 | 131.2 |  |
| Sausages and other prepared meats | 2013 | 97.8 | 97.8 | 100.8 | 101.9 | - | 75.8 | 75.6 | 79.6 | 80.8 | - |
| Poultry slaughtering and processing | 2015 | 245.6 | 246.6 | 251.4 | 253.1 | - | 218.1 | 218.7 | 223.4 | 225.3 |  |
| Dairy products | 202 | 140.5 | 140.6 | 142.3 | 142.0 | - | 93.2 | 93.4 | 97.2 | 96.8 | - |
| Cheese, natural and processed | 2022 | 39.9 | 40.2 | 40.2 | 40.4 | - | 32.5 | 32.8 | 32.6 | 32.7 |  |
| Fluid milk | 2026 | 62.0 | 61.8 | 62.4 | 62.5 | - | 35.3 | 35.2 | 37.1 | 37.2 |  |
| Preserved truits and vegetables | 203 | 225.3 | 214.6 | 240.9 | 226.3 | - | 189.3 | 178.2 | 204.0 | 189.5 | - |
| Canned specialties | 2032 | 18.6 | 18.8 | 19.3 | 18.9 | - | 14.7 | 14.8 | 15.6 | 15.0 |  |
| Canned ifuits and vegetables | 2033 | 65.8 | 58.7 | 72.0 | 62.8 | - | 54.6 | 47.3 | 60.5 | 51.6 | - |
| Frozen fruits and vegetables | 2037 | 48.3 | 46.1 | 55.3 | 49.9 |  | 42.2 | 39.8 | 48.5 | 43.3 |  |
| Grain mill products ... | 204 | 125.7 | 125.4 | 125.1 | 124.6 | - | 90.5 | 90.6 | 88.0 | 88.1 |  |
| Flour and other grain mill products | 2041 | 19.1 | 19.0 | 19.5 | 19.3 | - | 11.7 | 11.8 | 11.7 | 11.6 |  |
| Prepared feeds, nec | 2048 | 39.5 | 39.5 | 40.0 | 39.9 |  | 26.0 | 26.3 | 25.7 | 25.8 | - |
| Bakery products | 205 | 211.4 | 211.0 | 208.8 | 211.3 | - | 142.4 | 141.5 | 141.6 | 143.3 |  |
| Bread, cake, and related products .................. | 2051 | 151.3 | 151.3 | 151.4 | 152.6 | - | 91.6 | 91.2 | 92.5 | 93.0 |  |
| Cookies, crackers, and frozen bakery products. except bread | 2052,3 | 60.1 | 59.7 | 57.4 | 58.7 |  | 50.8 | 50.3 | 49.1 | 50.3 | - |
| Sugar and confectionery products ........................ | 206 | 109.9 | 107.1 | 108.0 | 106.7 | - | 88.0 | 85.0 | 86.4 | 85.2 |  |
| Raw cane sugar | 2061 | 7.9 | 7.9 | 6.5 | 8.1 | - | 6.0 | 6.0 | 5.0 | 6.6 |  |
| Cane sugar refining | 2062 | 4.2 | 4.3 | 4.0 | 4.2 |  | 3.1 | 3.1 | 3.1 | 3.2 |  |
| Beat sugar | 2063 | 11.1 | 9.7 | 12.8 | 10.2 | - | 10.2 | 8.7 | 11.7 | 9.1 |  |
| Candy and other confectionery products | 2064 | 59.6 | 58.3 | 57.3 | 57.8 |  | 48.3 | 47.0 | 45.4 | 46.1 |  |
| Fats and oils | 207 | 33.7 | 33.7 | 35.9 | 35.7 | - | 23.8 | 23.7 | 24.8 | 24.7 | - |
| Beverages | 209 | 181.0 | 181.1 | 186.3 | 184.9 | - | 88.6 | 88.6 | 91.1 | 90.2 | - |
| Malt beverages | 2082 | 33.4 | 33.6 | 32.9 | 33.2 |  | 21.2 | 21.5 | 20.3 | 20.7 |  |
| Bottled and canned soft drinks | 2086 | 93.8 | 94.0 | 97.1 | 96.7 | - | 38.6 | 38.4 | 39.6 | 39.3 | - |
| Misc. food and kindred products. | 209 | 181.0 | 177.2 | 179.0 | 176.3 | - | 131.5 | 127.9 | 129.0 | 126.5 |  |
| Tobacco products | 21 | 43.6 | 43.5 | 41.9 | 41.8 | 42.0 | 34.5 | 34.3 | 33.1 | 33.0 | 33.4 |
| Cigarettes .......... | 211 | 27.7 | 27.7 | 25.6 | 25.7 |  | 20.6 | 20.7 | 19.0 | 19.1 |  |
| Textile mill producls | 22 | 611.2 | 611.3 | 588.3 | 583.6 | 579.8 | 518.2 | 518.7 | 497.5 | 492.9 | 488.6 |
| Broadwoven fabric mills, cotton | 221 | 71.9 | 71.8 | 68.3 | 67.9 | - | 64.4 | 64.4 | 61.2 | 60.8 |  |
| Broadwoven fabric mills, synthetics | 222 | 65.2 | 66.1 | 64.0 | 63.8 |  | 54.8 | 55.7 | 54.5 | 54.3 |  |
| Broadwoven tabric mills, wool | 223 | 13.9 | 13.9 | 11.8 | 11.7 | - | 11.7 | 11.8 | 9.9 | 9.8 |  |
| Narrow fabric mills. | 224 | 21.2 | 21.3 | 20.9 | 21.0 | - | 17.7 | 17.7 | 17.1 | 17.2 | - |
| Knitting mills | 225 | 168.6 | 167.6 | 156.9 | 153.9 | - | 144.0 | 142.9 | 132.9 | 130.2 | - |
| Women's hosiery, except socks | 2251 | 19.2 | 19.1 | 16.9 | 16.9 | - | 16.9 | 16.8 | 14.5 | 14.6 | - |
| Hosiery, nec .... | 2252 | 37.5 | 37.2 | 36.5 | 36.3 | - | 32.7 | 32.5 | 31.8 | 31.4 | - |
| Knit outerwear mills | 2253 | 50.5 | 49.8 | 47.5 | 45.4 | - | 43.3 | 42.7 | 40.5 | 38.5 |  |
| Knit underwear mills | 2254 | 14.3 | 14.1 | 12.2 | 12.1 | - | 12.5 | 12.4 | 10.9 | 10.8 | - |
| Weft knit fabric mills | 2257 | 25.2 | 25.4 | 22.6 | 22.0 | - | 21.0 | 21.0 | 18.8 | 18.4 |  |
| Textile finishing, except wool | 226 | 66.0 | 65.9 | 61.9 | 61.5 | - | 53.9 | 53.9 | 51.1 | 50.4 | - |
| Finishing plants, cotton | 2261 | 30.9 | 30.8 | 28.4 | 28.7 | - | 25.3 | 25.2 | 23.3 | 23.5 |  |
| Finishing plants, synthetics | 2262 | 20.7 | 20.8 | 19.3 | 19.3 | - | 16.6 | 16.7 | 15.8 | 15.6 | - |
| Carpets and rugs | 227 | 65.0 | 65.3 | 66.7 | 67.2 | - | 54.3 | 54.8 | 55.4 | 56.1 | - |
| Yam and thread mills | 228 | 85.4 | 85.6 | 83.0 | 82.4 | - | 75.4 | 75.7 | 73.1 | 72.6 | - |
| Yarn spinning mills | 2281 | 62.2 | 62.4 | 60.3 | 59.9 | - | 55.4 | 55.6 | 53.5 | 53.1 | - |
| Throwing and winding mills | 2282 | 16.2 | 16.2 | 16.3 | 16.1 | - | 13.8 | 13.8 | 14.0 | 13.8 | - |
| Miscellaneous textile goods ..... | 229 | 54.0 | 53.8 | 54.8 | 54.2 | - | 42.0 | 41.8 | 42.3 | 41.5 | - |
| Apparel and other sextile products ......................... | 23 | 814.1 | 805.9 | 753.0 | 739.1 | 730.2 | 663.1 | 654.3 | 603.3 | 590.8 | 583.3 |
| Men's and boys' suils and coats ... | 231 | 29.1 | 29.3 | 26.6 | 26.9 | - | 23.6 | 23.7 | 21.2 | 21.5 | - |
| Men's and boys' furnishings. | 232 | 200.8 | 199.6 | 181.8 | 175.9 | - | 169.9 | 168.9 | 152.8 | 147.6 | - |
| Men's and boys' shirts . | 2321 | 40.6 | 40.4 | 35.4 | 32.9 | - | 35.0 | 34.9 | 30.5 | 28.3 | - |
| Men's and boys' trousers and slacks.. | 2325 | 68.3 | 67.9 | 64.5 | 63.3 |  | 59.1 | 58.6 | 55.5 | 54.5 | - |
| Men's and boys' work clothing .. | 2326 | 29.7 | 30.4 | 27.8 | 27.5 | - | 25.4 | 26.3 | 24.0 | 23.7 | - |
| Women's and misses' outerwear. | 233 | 249.8 | 245.2 | 223.1 | 219.1 | - | 202.4 | 197.1 | 175.2 | 171.2 | - |
| Women's and misses' blouses and shirts | 2331 | 22.2 | 21.8 | 19.8 | 19.1 | - | 17.1 | 16.6 | 14.8 | 14.1 | - |
| Women's, juniors', and misses' dresses ... | 2335 | 39.7 | 39.0 | 35.9 | 35.4 | - | 30.9 | 30.2 | 27.5 | 27.0 | - |
| Women's and misses' suits and coats .... | 2337 | 25.8 | 25.2 | 22.9 | 22.3 |  | 20.2 | 19.6 | 17.2 | 16.8 |  |
| Women's and misses' outerwear, nec ................. | 2339 | 162.1 | 159.2 | 144.5 | 142.3 | - | 134.2 | 130.7 | 115.7 | 113.3 | - |

See footnotes at end of table.

B-12. Employees on nonfarm payrolis by detailed industry-Continued
(In thousands)

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 p \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 19980 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 199 g^{p} \end{gathered}$ |
| Nondurable goods-Continued Apparel and other textile products-Continued |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women's and children's undergarments ................ | 234 | 34.0 | 33.6 | 30.9 | 30.7 | - | 26.7 | 26.5 | 24.5 | 24.6 | - |
| Women's and children's underwear | 2341 | 24.7 | 24.5 | 22.4 | 22.4 | - | 19.9 | 19.7 | 17.8 | 17.9 | - |
| Brassieres, girdles, and allied garments | 2342 | 9.3 | 9.1 | 8.5 | 8.3 | - | 6.8 | 6.8 | 6.7 | 6.7 | - |
| Girls' and children's outerwear ............... | 236 | 29.3 | 28.9 | 24.7 | 24.1 | - | 24.1 | 23.7 | 19.9 | 19.5 | - |
| Girls' and children's dresses and blouses | 2361 | 11.7 | 11.4 | 9.4 | 9.3 | - | 10.1 | 9.7 | 8.0 | 8.1 | - |
| Misc. apparel and accessories | 238 | 33.9 | 33.1 | 31.2 | 30.7 | - | 26.9 | 26.3 | 24.2 | 23.9 | - |
| Misc. labricated textile products | 239 | 220.0 | 219.0 | 217.7 | 214.8 | - | 176.0 | 174.6 | 172.1 | 169.2 | - |
| Curtains and draperies | 2391 | 18.6 | 18.6 | 17.9 | 17.0 | - | 14.5 | 14.3 | 14.0 | 13.2 | - |
| House furnishings, nec | 2392 | 56.6 | 56.6 | 57.6 | 57.0 | - | 47.9 | 47.7 | 48.7 | 48.1 | - |
| Automotive and apparel trimmings ...................... | 2396 | 61.2 | 61.0 | 61.4 | 61.1 | - | 48.3 | 48.0 | 47.4 | 47.0 | - |
| Paper and allied products ...................................... | 26 | 686.6 | 687.1 | 676.5 | 674.1 | 674.2 | 523.5 | 524.3 | 514.2 | 512.4 | 513.6 |
| Paper mills ........................................................ | 262 | 157.2 | 157.4 | 152.0 | 152.5 | - | 122.2 | 122.2 | 119.2 | 119.7 | - |
| Paperboard mills | 263 | 49.6 | 49.8 | 49.6 | 49.4 | - | 38.5 | 38.5 | 37.9 | 37.8 | - |
| Paperboard containers and boxes | 265 | 220.9 | 220.9 | 217.1 | 216.5 | - | 171.1 | 171.2 | 168.0 | 167.7 | - |
| Corrugated and solid fiber boxes | 2653 | 133.7 | 133.9 | 131.6 | 131.4 | - | 100.2 | 100.4 | 98.0 | 98.1 | - |
| Sanitary food containers | 2656 | 17.1 | 16.7 | 16.5 | 16.3 | - | 15.3 | 15.0 | 14.8 | 14.7 | - |
| Folding paperboard boxes | 2657 | 47.5 | 47.6 | 46.5 | 46.5 | - | 38.2 | 38.4 | 37.7 | 37.7 | - |
| Misc. converted paper products | 267 | 247.3 | 247.3 | 246.2 | 244.2 | - | 182.4 | 183.1 | 179.9 | 178.0 | - |
| Paper, coated and laminated, nec ........................ | 2672 | 47.4 | 47.8 | 47.9 | 47.5 | - | 24.5 | 25.7 | 23.6 | 23.1 | - |
| Bags: plastics, laminated, and coated | 2673 | 40.8 | 40.6 | 39.9 | 39.8 | - | 32.1 | 31.9 | 31.2 | 31.1 | - |
| Envelopes ...................................................... | 2677 | 25.8 | 25.9 | 24.9 | 25.0 | - | 20.1 | 20.3 | 19.3 | 19.3 | - |
| Printing and publishing ......................................... | 27 | 1,564.6 | 1,571.2 | 1,566.4 | 1,571.0 | 1,572.9 | 853.3 | 858.3 | 841.9 | 843.6 | 843.7 |
| Newspapers | 271 | 445.1 | 445.7 | 443.3 | 445.3 | - | 149.3 | 149.7 | 146.8 | 148.3 | - |
| Periodicals | 272 | 136.4 | 137.8 | 139.1 | 140.0 | - | 47.1 | 47.2 | 44.3 | 45.1 | - |
| Books | 273 | 127.3 | 129.1 | 125.7 | 126.4 | - | 65.5 | 67.2 | 58.6 | 58.4 | - |
| Book publishing | 2731 | 89.0 | 89.4 | 87.3 | 87.6 | - | 35.1 | 35.7 | 28.6 | 28.0 | - |
| Book printing .... | 2732 | 38.3 | 39.7 | 38.4 | 38.8 | - | 30.4 | 31.5 | 30.0 | 30.4 | - |
| Miscellaneous publishing | 274 | 89.6 | 89.7 | 91.9 | 92.8 | - | 42.3 | 42.8 | 43.8 | 44.4 | - |
| Commercial printing | 275 | 577.0 | 579.4 | 579.4 | 580.0 | - | 413.0 | 414.6 | 413.5 | 413.6 | - |
| Commercial printing, lithographic | 2752 | 375.6 | 377.3 | 378.7 | 379.6 | - | 268.2 | 269.3 | 270.7 | 271.1 | - |
| Commercial printing, nec ............ | 2759 | 181.3 | 181.9 | 181.5 | 181.0 | - | 128.8 | 129.3 | 127.8 | 127.3 | - |
| Manifold business forms.. | 276 | 42.9 | 43.0 | 42.7 | 42.3 | - | 30.4 | 30.6 | 29.3 | 28.8 | - |
| Blankbooks and bookbinding ................................ | 278 | 66.7 | 67.3 | 65.6 | 65.6 | - | 50.5 | 51.1 | 49.9 | 49.6 | - |
| Printing trade services ......................................... | 279 | 49.6 | 49.3 | 49.2 | 49.1 | - | 33.4 | 33.4 | 33.0 | 32.9 | - |
| Chemicals and allied products ................................ | 28 | 1,034.0 | 1,034.3 | 1,034.1 | 1,032.3 | 1,033.6 | 576.1 | 577.8 | 580.6 | 579.3 | 582.0 |
| industrial inorganic chemicals .............................. | 281 | 116.5 | 116.0 | 114.1 | 113.0 | - | 59.2 | 59.7 | 63.5 | 63.3 | - |
| Industrial inorganic chemicals, nec ...................... | 2819 | 70.4 | 70.0 | 68.8 | 68.5 | - | 35.4 | 35.4 | 35.9 | 36.1 | - |
| Plastics materials and synthetics ........................... | 282 | 157.0 | 157.0 | 152.1 | 150.8 | - | 104.6 | 104.6 | 99.3 | 98.5 | - |
| Plastics materials and resins | 2821 | 80.2 | 80.4 | 79.9 | 79.2 | - | 49.7 | 49.9 | 48.0 | 47.6 | - |
| Organic fibers, noncellulosic | 2824 | 45.1 | 44.9 | 42.3 | 41.7 | - | 35.5 | 35.4 | 33.3 | 32.9 | - |
| Drugs ................................ | 283 | 268.4 | 268.7 | 275.4 | 277.4 | - | 120.8 | 121.1 | 124.6 | 125.5 | - |
| Pharmaceutical preparations | 2834 | 212.5 | 212.6 | 218.6 | 220.1 | - | 97.1 | 97.3 | 101.3 | 101.5 | - |
| Soap, cleaners, and toilet goods ........................... | 284 | 158.4 | 158.3 | 158.1 | 157.0 | - | 97.5 | 97.6 | 98.2 | 96.9 | - |
| Soap and other detergents ................................. | 2841 | 42.5 | 42.5 | 41.4 | 41.6 | - | 22.5 | 22.5 | 23.4 | 23.1 | - |
| Polishing, sanitation, and finishing preparations .... | 2842,3 | 40.3 | 40.4 | 41.7 | 41.7 | - | 22.7 | 22.8 | 23.5 | 23.3 | - |
| Toilet preparations ............................................ | 2844 | 75.6 | 75.4 | 75.0 | 73.7 | - | 52.3 | 52.3 | 51.3 | 50.5 | - |
| Paints and allied products | 285 | 51.7 | 51.5 | 52.4 | 52.1 | - | 27.4 | 27.4 | 27.5 | 27.4 | - |
| Industrial organic chemicals ................................. | 286 | 137.2 | 137.4 | 136.9 | 136.9 | - | 78.9 | 79.3 | 79.4 | 79.3 | - |
| Cyclic crudes and intermediates .......................... | 2865 | 23.2 | 23.3 | 23.0 | 22.9 | - | 14.0 | 14.0 | 13.9 | 13.8 | - |
| industrial organic chemicals, nec ........................ | 2869 | 111.5 | 111.6 | 111.5 | 111.6 | - | 63.1 | 63.5 | 63.7 | 63.7 | - |
| Agricultural chemicals ......................................... | 287 | 50.6 | 50.9 | 50.9 | 50.8 | - | 30.7 | 30.8 | 30.6 | 30.6 | - |
| Miscellaneous chemical products .......................... | 289 | 94.2 | 94.5 | 94.2 | 94.3 | - | 57.0 | 57.3 | 57.5 | 57.8 | - |
| Petroleum and coal products | 29 | 139.4 | 136.6 | 136.5 | 135.3 | 133.3 | 91.8 | 89.2 | 91.0 | 90.0 | 88.1 |
| Petroleum refining | 291 | 95.8 | 96.1 | 91.9 | 91.6 | - | 62.5 | 62.8 | 60.2 | 60.0 | - |
| Asphalt paving and roofing materials .................................................. | 295 | 29.2 | 26.0 | 30.1 | 29.1 | - | 21.6 | 18.6 | 22.8 | 21.9 | - |
| Rubber and misc. plastics products ......................... | 30 | 1,000.8 | 1,002.7 | 1,006.4 | 1,007.4 | 1,009.2 | 776.5 | 777.8 | 780.6 | 781.4 | 783.2 |
| Tires and inner tubes | 301 | 76.3 | 77.2 | 77.7 | 77.7 | - | 56.3 | 56.0 | 57.1 | 57.9 | - |
| Rubber and plastics footwear | 302 | 7.3 | 7.1 | 6.0 | 5.9 | - | 5.8 | 5.7 | 4.3 | 4.3 | - |
| Hose, belting, gaskets, and packing ...................... | 305 | 70.5 | 70.5 | 71.3 | 71.4 | - | 54.2 | 54.5 | 54.7 | 54.7 | - |
| Rubber and plastics hose and belting .................. | 3052 | 28.4 | 28.6 | 29.8 | 30.0 | - | 22.1 | 22.4 | 23.3 | 23.4 | - |
| Fabricated rubber products, nec ............................ | 306 | 112.3 | 113.0 | 110.8 | 111.0 | - | 85.8 | 86.6 | 84.9 | 85.1 | - |
| Miscellaneous plastics products, nec ..................... | 308 | 734.4 | 734.9 | 740.6 | 741.4 | - | 574.4 | 575.0 | 579.6 | 579.4 | - |

See tootnotes at end of table.

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ |
| Finance, insurance, and real estate-Continued Insurance | 63,64 | 2,279 | 2,289 | 2,349 | 2,355 | 2,362 | - | - | - | - | - |
| Insurance carriers | 63 | 1,549.9 | 1,556.1 | 1,601.6 | 1,604.2 | 1,609.0 | 1,142.8 | 1,153.6 | 1,219.3 | 1,219.8 | - |
| Life insurance | 631 | 521.3 | 524.3 | 530.1 | 529.4 | - | 341.1 | 344.5 | 356.1 | 354.4 | - |
| Medical service and health insurance | 632 | 343.0 | 345.3 | 359.2 | 360.7 | - | 278.2 | 279.9 | 288.7 | 289.6 | - |
| Hospital and medical service plans | 6324 | 280.9 | 282.9 | 295.1 | 296.3 | - | 231.5 | 232.9 | 241.5 | 242.2 | - |
| Fire, marine, and casualty insurance | 633 | 541.3 | 541.5 | 551.6 | 551.5 | - | 407.6 | 412.8 | 443.9 | 443.9 | - |
| Title insurance .............................. | 636 | 73.9 | 74.1 | 86.0 | 87.4 | - | - | - | - | - | - |
| Insurance agents, brokers, and service .................... | 64 | 729.1 | 732.7 | 747.8 | 751.0 | 753.3 | - | - | - | - | - |
| Real estate | 65 | 1,416 | 1,406 | 1,471 | 1,464 | 1,462 | - | - | - | - | - |
| Real estate operators and lessors | 651 | 575.1 | 576.3 | 586.1 | 587.1 | - | - | - | - | - | - |
| Real estate agents and managers .......................... | 653 | 692.3 | 685.8 | 722.3 | 717.0 | - | - | - | - | - | - |
| Subdividers and developers .................................. | 655 | 114.3 | 109.5 | 121.8 | 119.2 | - | - | - | - | - |  |
| Services ............................................................... |  | 36,647 | 36,647 | 38,136 | 38,042 | 37,990 | 32,035 | 32,010 | 33,265 | 33,153 | 33,070 |
| Agricultural services | 07 | 693.0 | 636.9 | 755.9 | 736.7 | 687.4 | 585.1 | 530.6 | 640.5 | 622.6 | - |
| Veterinary services .............................................. | 074 | 183.6 | 183.4 | 192.0 | 192.5 | - | 154.6 | 154.1 | 162.0 | 162.6 | - |
| Landscape and horticultural services ...................... | 078 | 459.0 | 404.1 | 512.5 | 493.3 | - | 388.7 | 335.4 | 435.8 | 417.9 | - |
| Hotels and other lodging places .............................. | 70 | 1,687.2 | 1,677.9 | 1.778 .9 | 1,711.8 | 1,700.9 | 1, $\square^{-}$ | 1,439.1 | $\bar{\square}$ | 1, - | - |
| Hotels and motels ................................................ | 701 | 1,645.8 | 1,638.5 | 1,731.2 | 1,668.4 | - | 1,445.9 | 1,439.1 | 1,518.7 | 1,458.8 | - |
| Personal services .................................................. | 72 | 1,155.5 | 1,159.9 | 1,148.4 | 1,151.1 | 1,165.2 | - | - | - | - | - |
| Laundry, cleaning, and garment services | 721 | 444.5 | 444.2 | 439.4 | 441.5 | - | 391.2 | 391.4 | 386.8 | 388.6 | - |
| Photographic studios, portrait. | 722 | 79.8 | 72.2 | 55.1 | 55.0 | - | - | - | $\sim$ | - | - |
| Beauty shops ....................... | 723 | 395.7 | 397.8 | 404.0 | 407.6 | - | 352.2 | 353.6 | 356.0 | 359.2 | - |
| Funeral service and crematories | 726 | 97.8 | 98.0 | 100.6 | 100.4 | - | - | - | - | - | - |
| Miscellaneous personal services | 729 | 121.8 | 131.9 | 134.2 | 131.8 | - | 100.6 | 109.2 | 111.4 | 109.4 | - |
| Business services | 73 | 8,342.3 | 8,359.6 | 8,838.0 | 8,836.1 | 8,829.0 | 7,424.4 | 7,433.2 | 7,826.6 | 7,819.6 | - |
| Advertising ... | 731 | 259.0 | 261.7 | 271.8 | 273.0 | - | 188.3 | 189.1 | 195.3 | 196.1 | - |
| Advertising agencies | 7311 | 170.5 | 170.6 | 177.2 | 177.4 | - | - | - | - | - | - |
| Credit reporting and collection ................................ | 732 | 136.8 | 137.3 | 138.8 | 140.3 | - | - | - | - | - | - |
| Mailing, reproduction, and stenographic services ...... | 733 | 313.2 | 314.0 | 318.0 | 320.3 | - | - | $\overline{-}$ | - | $\overline{-}$ | - |
| Photocopying and duplicating services .................. | 7334 | 77.4 | 77.1 | 79.6 | 79.9 | - | 65.4 | 65.1 | 67.2 | 67.1 | - |
| Services to buildings ......... | 734 | 948.1 | 948.8 | 989.8 | 989.8 | 988.7 | 845.3 | 846.6 | 884.8 | 883.0 | - |
| Disinfecting and pest control services | 7342 | 89.0 | 88.8 | 97.0 | 96.4 | - | 71.1 | 71.4 | 78.7 | 78.0 | - |
| Building maintenance services, nec ...................... | 7349 | 859.1 | 860.0 | 892.8 | 893.4 | - | 774.2 | 775.2 | 806.1 | 805.0 | - |
| Miscellaneous equipment rental and leasing ............. | 735 | 255.1 | 253.8 | 266.6 | 263.6 | - | 203.9 | 202.3 | 212.0 | 209.4 | - |
| Medical equipment rental .................................... | 7352 | 41.7 | 42.0 | 40.2 | 40.5 | - | 31.3 | 31.4 | 29.8 | 30.5 | - |
| Heavy construction equipment rental | 7353 | 45.2 | 44.9 | 48.6 | 48.0 | - | 38.4 | 38.0 | 41.3 | 40.7 | - |
| Equipment rental and leasing, nec ........................ | 7359 | 168.2 | 166.9 | 177.8 | 175.1 | - | 134.2 | 132.9 | 140.9 | 138.2 | - |
| Personnel supply services ..................................... | 736 | 3,180.7 | 3,169.0 | 3.313 .8 | 3.291 .4 | 3.262.1 | - | - | - | - | - |
| Employment agencies ... | 7361 | 335.1 | 339.8 | 344.0 | 346.1 | - | - | -7 | - | - | - |
| Help supply services ........................................... | 7363 | 2,845.6 | 2,829.2 | 2,969.8 | 2,945.3 | 2,911.0 | 2,776.4 | 2,756.4 | 2,871.9 | 2,849.0 | - |
| Computer and data processing services .................. | 737 | 1,475.7 | 1,496.6 | 1,658.5 | 1,678.2 | 1,694.2 | 1,175.1 | 1,193.4 | 1,329.0 | 1,346.0 | - |
| Computer programming services | 7371 | 339.0 | 343.2 | 382.1 | 383.8 | - | 288.9 | 292.8 | 326.9 | 328.2 | - |
| Prepackaged software .... | 7372 | 241.5 | 245.8 | 277.9 | 280.4 | - | - | - | - | - | - |
| Computer integrated systems design ..................... | 7373 | 169.1 | 170.4 | 189.9 | 191.5 | - | 118.3 | 119.5 | 137.1 | 139.3 | - |
| Data processing and preparation .......................... | 7374 | 257.5 | 261.0 | 279.2 | 284.6 | - | - |  | 71 | - | - |
| Information retrieval services ............................... | 7375 | 84.8 | 85.3 | 96.5 | 97.7 | - | 60.6 | 60.5 | 71.7 | 73.2 | - |
| Computer maintenance and repair | 7378 | 58.1 | 58.6 | 58.8 | 59.0 | - | 39.9 | 40.1 | 43.0 | 43.1 | - |
| Miscellaneous business services .... | 738 | $1,773.7$ | 1,778.4 | 1,880.7 | 1,879.5 | - | 1,545.0 | 1,549.3 | 1,637.4 | 1,634.7 | - |
| Detective and armored car services ...................... | 7381 | 591.3 | 591.7 | 625.2 | 621.7 | - | 545.8 | 546.0 | 576.0 | 572.1 | - |
| Security systems services ................................... | 7382 | 61.2 | 61.4 | 59.5 | 59.5 | - | 52.3 | 52.2 | 48.7 | 48.6 | - |
| Photofinishing laboratories ....... | 7384 | 82.5 | 82.1 | 85.3 | 86.3 | - | - | - | - | - | - |
| Auto repair, services, and parking | 75 | 1,135.8 | 1,138.3 | 1,171.0 | 1,171.3 | 1,171.4 | 929.8 | 930.4 | 946.7 | 947.0 | - |
| Automotive rentals, without drivers. | 751 | 200.0 | 200.5 | 210.9 | 210.6 | - | 164.1 | 164.2 | 172.7 | 172.1 | - |
| Passenger car rental .... | 7514 | 133.0 | 133.7 | 140.5 | 139.9 | - | 110.2 | 110.7 | 116.0 | 115.1 | - |
| Automobile parking ....... | 752 | 73.7 | 74.7 | 77.4 | 76.9 | - | 64.2 | 65.2 | 67.4 | 67.1 | - |
| Automotive repair shops | 753 | 626.7 | 625.4 | 641.5 | 642.3 | - | 501.0 | 498.4 | 500.5 | 501.3 | - |
| Automotive and tire repair shops ....................... | 7532,4 | 218.8 | 219.6 | 225.0 | 226.8 | - | 178.9 | 179.1 | 183.0 | 184.2 | - |
| General automotive repair shops .......................... | 7538 | 266.5 | 267.0 | 271.6 | 270.8 | - | 211.4 | 210.9 | 203.9 | 203.2 | - |

See footnotes at end of table.

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{\dagger}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998P | $\begin{aligned} & \text { Dec. } \\ & 1998 p \end{aligned}$ |
| Nondurable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Leather and leather products ..... | 31 | 88.4 | 87.2 | 80.0 | 79.1 | 77.5 | 67.0 | 65.9 | 59.7 | 59.1 | 57.6 |
| Leather tanning and finishing | 311 | 12.8 | 13.0 | 11.9 | 11.6 | - | 10.6 | 10.7 | 9.7 | 9.4 | - |
| Footwear, except rubber ...................................... | 314 | 39.0 | 37.8 | 33.9 | 33.6 | - | 31.1 | 30.3 | 27.2 | 27.0 | - |
| Men's tootwear, except athletic | 3143 | 21.2 | 21.1 | 18.5 | 18.5 | - | 16.7 | 16.6 | 14.2 | 14.3 | - |
| Women's footwear, except athletic | 3144 | 10.4 | 10.0 | 8.6 | 8.6 | - | 8.0 | 7.8 | 6.9 | 6.9 | - |
| Luggage ..................................... | 316 | 10.4 | 10.6 | 9.7 | 9.6 | - | 7.7 | 7.6 | 6.7 | 6.8 | - |
| Handbags and personal leather goods ................... | 317 | 9.4 | 9.3 | 8.8 | 8.7 | - | 5.6 | 5.4 | 5.0 | 4.9 | - |
| Transportation and public utilities .......................... |  | 6,498 | 6,508 | 6,643 | 6,651 | 6,692 | 5,416 | 5,417 | 5.523 | 5,531 | 5,560 |
| Transportation ..................................................... |  | 4,188 | 4,196 | 4,295 | 4,297 | 4,333 | - | - | - | - | - |
| Railroad ıransportation | 40 | 229.1 | 229.1 | 235.5 | 234.9 | 234.3 | - | - | - | - | - |
| Class I railroads pius Amtrak ${ }^{2}$.............................. | 4011 | 203.0 | 202.9 | 208.2 | 207.7 | - | - | - | - | - |  |
| Local and interurban passenger transit .................... | 41 | 467.5 | 469.6 | 484.4 | 483.6 | 484.2 | 428.1 | 431.2 | 443.8 | 442.4 | - |
| Local and suburban transportation ........................ | 411 | 232.3 | 233.8 | 238.8 | 239.1 | - | 210.9 | 212.7 | 216.3 | 216.5 | - |
| Taxicabs | 412 | 30.9 | 31.2 | 31.0 | 31.4 | - | - | - | - | - | - |
| Intercity and rural bus transportation | 413 | 21.1 | 21.2 | 23.1 | 23.6 | - | 19.0 | 19.2 | 20.6 | 21.2 | - |
| School buses .................................................... | 415 | 149.1 | 149.8 | 157.6 | 156.3 | - | - | - | - | - | - |
| Trucking and warehousing | 42 | 1,692.1 | 1,683.7 | 1,746.7 | 1,734.4 | 1,730.7 | 1,486.0 | 1.477.0 | 1,532.9 | 1,519.7 | - |
| Trucking and courier services, except air ................ | 421 | 1,526.0 | 1,519.1 | 1,577.3 | 1,566.3 | - | 1,346.7 | 1,339.2 | 1,391.1 | 1,378.5 | - |
| Public warehousing and storage .......................... | 422 | 160.6 | 159.0 | 164.5 | 163.1 | - | 134.4 | 132.8 | 137.4 | 136.7 | - |
| Water transportation | 44 | 177.5 | 173.9 | 193.8 | 190.5 | 186.7 | - | - | - | - | - |
| Water transportation of freight, nec ....................... | 444 | 14.5 | 14.3 | 15.3 | 15.5 | - | - | $\overline{-1027}$ | - | - | - |
| Water transportation services ............................... | 449 | 119.6 | 117.2 | 131.4 | 129.3 | - | 105.7 | 102.7 | 116.4 | 114.4 | - |
| Transportation by air ............................................ | 45 | 1,165.8 | 1,183.4 | 1,165.8 | 1,184.6 | 1.228.4 | - | - | - | - | - |
| Air transportation, scheduled ................................ | 451 | 999.6 | 1,014.9 | 986.5 | 1,006.1 | - | - | - | - | - | - |
| Air transportation, scheduled .............................. | 4512 | 516.5 | 519.4 | 532.0 | 531.3 | - | - | - | - | - | - |
| Airports, flying fields, and services ......................... | 458 | 123 | 125 | 134 | 133 | - | - | - | - | - | - |
| Pipelines, except natural gas ................................. | 46 | 14.2 | 14.1 | 14.2 | 14.1 | 14.1 | 11.5 | 11.5 | 11.6 | 11.5 | - |
| Transportation services ....................................... | 47 | 442.1 | 441.8 | 454.8 | 454.9 | 454.3 | 361.6 | 361.3 | 372.9 | 372.7 | - |
| Passenger transportation arrangement .................. | 472 | 213.9 | 212.7 | 219.4 | 217.4 | - | 178.5 | 178.2 | 185.3 | 183.0 | - |
| Travel agencies ........................ | 4724 | 170.4 | 169.5 | 174.1 | 172.7 | - | 142.5 | 142.1 | 146.9 | 145.5 | - |
| Freight transportation arrangement | 473 | 179.2 | 180.5 | 185.7 | 188.0 | - | 141.9 | 142.4 | 146.2 | 148.5 | - |
| Communications and public utilities .......................... |  | 2,310 | 2,312 | 2,348 | 2,354 | 2,359 | - | - | - | - | - |
| Communications ................................................. | 48 | 1,452.6 | 1,455.0 | 1.499.6 | 1,503.3 | 1,507.6 | 1,089.5 | 1.083 .8 | 1,096.5 | 1,101.6 | - |
| Telephone communications ................................. | 481 | 1,000.0 | 1,002.9 | 1,030.5 | 1,033.1 | - | 724.5 | 719.5 | 727.1 | 731.7 | - |
| Telephone communications, except radio ............. | 4813 | 837.6 | 839.1 | 867.8 | 871.6 | - | 597.2 | 593.3 | 603.3 | 608.0 | - |
| Radio and television broadcasting ......................... | 483 | 245.2 | 244.6 | 247.8 | 246.4 | - | 204.2 | 203.3 | 202.7 | 201.6 | - |
| Radio broadcasting stations .............................. | 4832 | 117.1 | 117.1 | 118.6 | 120.1 | - | - | - | - | - | - |
| Television broadcasting stations ......................... | 4833 | 128.1 | 127.5 | 129.2 | 126.3 | - | - | - | 5 | 53 | - |
| Cable and other pay television services ................. | 484 | 176.6 | 176.6 | 187.4 | 189.8 | - | 146.8 | 147.2 | 152.2 | 153.8 | - |
| Electric, gas, and sanitary services ......................... | 49 | 857.3 | 856.5 | 848.6 | 851.1 | 851.4 | 681.3 | 680.8 | 681.8 | 685.1 | - |
| Electric services ........................ | 491 | 364.0 | 363.6 | 360.1 | 361.2 | - | 290.9 | 291.0 | 292.1 | 293.7 | - |
| Gas production and distribution ............................ | 492 | 139.8 | 139.7 | 137.1 | 138.5 | - | 107.8 | 107.9 | 106.4 | 107.4 | - |
| Combination utility services ................................. | 493 | 159.0 | 159.1 | 155.5 | 155.4 | - | 122.8 | 122.8 | 122.4 | 122.9 | - |
| Sanitary services ............................................... | 495 | 162.1 | 161.7 | 163.2 | 163.4 | - | 134.2 | 133.6 | 135.0 | 135.4 | - |
| Wholesale trade .................................................... |  | 6,724 | 6,731 | 6,889 | 6,887 | 6,882 | 5,406 | 5,405 | 5,526 | 5,519 | 5,509 |
| Durable goods ...................................................... | 50 | 3,987 | 4,000 | 4,097 | 4,101 | 4,103 | 3,158 | 3,162 | 3,233 | 3,232 | - |
| Motor vehicles, parts, and supplies ......................... | 501 | 512.7 | 514.7 | 521.0 | 523.1 | - | 414.7 | 414.6 | 413.5 | 414.5 | - |
| Automobiles and other motor vehicles ................... | 5012 | 145.2 | 146.4 | 150.9 | 152.4 | - | - | - | - | - | - |
| Motor vehicle supplies and new parts .................... | 5013 | 289.7 | 290.6 | 289.4 | 290.2 | - | - | - | - | - | - |
| Furniture and home furnishings .............................. | 502 | 160.6 | 161.7 | 167.2 | 168.2 | - | 128.4 | 128.7 | 134.6 | 134.9 | - |
| Furniture ............................. | 5021 | 77.1 | 77.8 | 81.7 | 82.3 | - | - | - | - | - | - |
| Home furnishings ......................................... | 5023 | 83.5 | 83.9 | 85.5 | 85.9 | - | - | - | - | - | - |

See footnotes at end of table.

## ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ |
| Wholesale trade-Continued Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Lumber and other construction materials | 503 | 260.1 | 258.0 | 274.1 | 274.2 | - | 215.6 | 213.5 | 227.5 | 227.8 | - |
| Lumber, plywood, and millwork | 5031 | 132.7 | 132.3 | 139.7 | 140.2 | - | - | - | - | - | - |
| Construction materials, nec ...... | 5039 | 38.7 | 38.4 | 40.5 | 40.8 | - | - | - | - | - | - |
| Protessional and commercial equipment | 504 | 877.7 | 882.2 | 923.9 | 929.4 | - | 685.5 | 686.4 | 720.7 | 723.2 | - |
| Office equipment | 5044 | 203.0 | 204.8 | 215.4 | 216.6 | - | - | - | - | - | - |
| Computers, peripherals and software | 5045 | 349.7 | 350.9 | 369.5 | 371.9 | - | - | - | - | - 5 | - |
| Medical and hospital equipment .. | 5047 | 183.6 | 184.3 | 193.3 | 194.3 | - | 148.4 | 148.8 | 155.8 | 156.8 | - |
| Metals and minerals, except petroleum | 505 | 148.4 | 148.8 | 152.7 | 152.2 | - | 120.1 | 120.5 | 123.1 | 122.7 | - |
| Electrical goods ............................. | 506 | 548.6 | 552.6 | 557.5 | 557.0 | - | 403.8 | 406.7 | 405.2 | 405.9 | - |
| Electrical apparatus and equipment | 5063 | 228.9 | 230.4 | 234.2 | 234.5 | - | - | - | - | - | - |
| Electrical appliances, television and radio sets ... | 5064 | 49.7 | 50.1 | 50.5 | 50.5 | - | - | - | - | - | - |
| Electronic parts and equipment ........................... | 5065 | 270.0 | 272.1 | 272.8 | 272.0 | - | - | - | - | - | - |
| Hardware, plumbing, and heating equipment | 507 | 300.4 | 300.9 | 303.7 | 302.9 | - | 244.1 | 244.8 | 247.8 | 246.7 | - |
| Hardware ...... | 5072 | 107.0 | 107.5 | 109.3 | 109.2 | - | - | - | - | - | - |
| Plumbing and hydronic heating supplies | 5074 | 118.5 | 118.9 | 118.5 | 118.4 | - | - | - | - -7 | - | - |
| Machinery, equipment, and supplies ....... | 508 | 825.0 | 826.3 | 836.0 | 836.0 | - | 659.7 | 659.6 | 667.4 | 666.8 | - |
| Construction and mining machinery | 5082 | 90.1 | 90.2 | 92.6 | 93.0 | - | - | - | - | - | - |
| Farm and garden machinery .......... | 5083 | 120.4 | 120.4 | 122.7 | 121.4 | - | - | - | - | - | - |
| Industrial machinery and equipment | 5084 | 334.6 | 335.7 | 337.0 | 337.3 | - | - | - | - | - | - |
| Industrial supplies | 5085 | 154.7 | 154.8 | 157.3 | 157.0 | - | - | - | - | - | - |
| Misc. wholesale trade durable goods | 509 | 353.8 | 354.8 | 360.4 | 357.6 | - | 286.5 | 287.6 | 292.9 | 289.7 | - |
| Scrap and waste materials ............. | 5093 | 134.0 | 134.0 | 130.7 | 129.7 | - | - | - | - | - | - |
| Nondurable goods | 51 | 2,737 | 2,731 | 2,792 | 2,786 | 2,779 | 2,248 | 2,243 | 2,293 | 2,287 | - |
| Paper and paper producis | 511 | 264.5 | 266.8 | 270.9 | 271.7 | - | 220.9 | 223.0 | 226.7 | 227.3 | - |
| Stationery and office supplies | 5112 | 153.8 | 155.8 | 157.7 | 160.4 | - | - | - | - | - | - |
| Drugs, proprietaries, and sundries | 512 | 215.6 | 217.3 | 217.5 | 217.5 | - | 179.2 | 180.6 | 181.5 | 181.2 | - |
| Apparel, piece goods, and notions | 513 | 227.9 | 223.0 | 231.0 | 231.6 | - | 184.4 | 180.8 | 188.7 | 189.0 | - |
| Groceries and related products | 514 | 906.8 | 905.8 | 918.5 | 920.0 | - | 764.3 | 763.7 | 771.2 | 772.5 | - |
| Groceries, general line | 5141 | 289.6 | 289.9 | 288.1 | 287.5 | - | - | - | - | - | - |
| Meats and meat products | 5147 | 55.6 | 56.0 | 56.2 | 56.6 | - | - | - | - | - | - |
| Fresh fruits and vegetables | 5148 | 100.1 | 97.4 | 101.6 | 101.2 | - | - | $\overline{-}$ | $\overline{-}$ | - | - |
| Farm-product raw materials .. | 515 | 110.5 | 107.4 | 116.2 | 110.4 | - | 89.0 | 86.4 | 95.7 | 90.1 | - |
| Chemicals and allied products | 516 | 150.3 | 150.4 | 150.9 | 151.3 | - | 109.7 | 109.4 | 109.9 | 110.0 | - |
| Petroleum and petroleum products | 517 | 156.7 | 158.2 | 158.0 | 158.5 | - | 129.7 | 131.1 | 130.4 | 130.7 | - |
| Petroleum bulk stations and terminals | 5171 | 64.3 | 65.3 | 66.9 | 67.0 | - | - | - | - | - | - |
| Petroleum products, nec ............. | 5172 | 92.4 | 92.9 | 91.1 | 91.5 | - | - | $\bar{\square}$ | - | $\bar{\square}$ | - |
| Beer, wine, and distilled beverages | 518 | 153.9 | 154.2 | 156.2 | 156.6 | - | 124.2 | 124.6 | 126.4 | 126.9 | - |
| Beer and ale | 5181 | 98.5 | 98.4 | 100.3 | 100.1 | - | - | - | - | - | - |
| Wine and distilled boverages | 5182 | 55.4 | 55.8 | 55.9 | 56.5 | - | - | - | - | - | - |
| Misc. wholesale trade nondurable goods | 519 | 551.1 | 548.2 | 572.7 | 568.7 | - | 446.2 | 443.4 | 462.3 | 459.2 | - |
| Farm supplies | 5191 | 164.4 | 162.1 | 172.2 | 167.8 | - | - | - | - | - | - |
| Retail trade |  | 22,562 | 22.906 | 22,653 | 23,005 | 23,383 | 19,891 | 20,222 | 19,873 | 20,221 | 20,556 |
| Building materials and garden supplies | 52 | 938.6 | 934.9 | 986.9 | 982.3 | 983.3 | 778.9 | 776.0 | 819.1 | 814.7 | - |
| Lumber and other building materials. | 521 | 568.8 | 565.4 | 601.9 | 598.5 | - | 479.8 | 476.7 | 508.0 | 504.6 | - |
| Paint, glass, and wallpaper stores | 523 | 69.3 | 69.4 | 70.4 | 70.1 | - | 53.7 | 54.1 | 53.6 | 52.7 | - |
| Hardware stores | 525 | 164.3 | 165.2 | 166.0 | 166.8 | - | 135.4 | 136.2 | 136.9 | 138.1 | - |
| Retail nurseries and garden stores .......................... | 526 | 91.6 | 90.4 | 98.2 | 97.2 | - | 75.2 | 74.4 | 80.8 | 80.1 | - |
| General merchandise stores | 53 | 2,972.3 | 3,072.8 | 2,858.9 | 3,037.8 | 3,159.4 | 2,772.9 | 2,869.9 | 2,664.0 | 2,841.2 | - |
| Department stores | 531 | 2,624.1 | 2,693.7 | 2,525.6 | 2,686.9 | 2,784.0 | 2,471.9 | 2,539.8 | 2,378.0 | 2,537.9 | - |
| Variety stores.. | 533 | 147.5 | 161.6 | 141.5 | 148.1 | - | 125.8 | 138.2 | 120.7 | 127.4 | - |
| Miscellaneous general merchandise stores .............. | 539 | 200.7 | 217.5 | 191.8 | 202.8 | - | 175.2 | 191.9 | 165.3 | 175.9 | - |
| Food stores | 54 | 3,551.7 | 3,581.3 | 3,561.4 | 3,592.8 | 3,623.9 | 3,229.3 | 3,257.0 | 3,222.3 | 3,253.6 | - |
| Grocery stores | 541 | 3,108.9 | 3,116.6 | 3,102.5 | 3,116.2 | - | 2,847.0 | 2,853.7 | 2,829.2 | 2,844.3 | - |
| Meat and fish markets | 542 | 51.1 | 56.4 | 49.2 | 56.7 | - | - | - | - | - | - |
| Dairy products stores | 545 | 14.3 | 14.8 | 13.9 | 13.1 | - | $\overline{-}$ | - | - | - | - |
| Retail bakeries ..................................................... | 546 | 217.6 | 222.5 | 230.1 | 233.1 | - | 190.5 | 194.5 | 199.8 | 202.9 | - |
| Automotive dealers and service stations | 55 | 2,325.9 | 2,317.8 | 2,375.8 | 2,367.2 | 2,365.5 | 1,940.3 | 1,933.7 | 1,969.1 | 1,960.6 | - |
| New and used car dealers. | 551 | 1,055.5 | 1,051.9 | 1,070.2 | 1,069.0 | 1,070.5 | 886.4 | 882.8 | 897.0 | 897.1 | - |

See footnotes at end of table.

## B-12. Employees on nonfarm payrolls by detailed industry-Continued

(In thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ \text { 1998p } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ |
| Retail trade-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Automotive dealers and service stations-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Auto and home supply stores ............................... | 553 | 403.7 670.7 | 402.9 | 418.5 678.4 | 418.6 | - | 315.6 582.4 | 314.1 581.9 | 316.8 588.5 | 316.8 583.2 | - |
| Gasoline service stations ..................................... | 554 | 670.7 9.7 | 668.3 9.7 | 678.4 9.7 | 674.5 9.8 | - | 582.4 8.1 | 581.9 8.1 | 588.5 8.0 | 583.2 8.0 | - |
| Automotive dealers, nec ...................................... | 559 | 9.7 | 9.7 | 9.7 | 9.8 | - | 8.1 | 8.1 | 8.0 | 8.0 | - |
| Apparel and accessory stores | 56 | 1,155.2 | 1,206.9 | 1.096.7 | 1,154.0 | 1,204.0 | 970.1 | 1,020.2 | 914.5 | 972.4 | - |
| Men's and boys' clothing stores | 561 | 82.3 | 86.5 | 77.5 | 82.0 | - | 66.0 | 70.7 | 62.3 | 67.1 | - |
| Women's clothing stores ....... | 562 | 289.7 | 301.3 | 268.4 | 278.5 | - | 240.8 | 252.2 | 221.9 | 231.7 | - |
| Family clothing stores .... | 565 | 385.3 | 407.3 | 357.9 | 391.8 | - | 345.7 | 367.3 | 318.9 | 352.5 | - |
| Shoe stores ....................................................... | 566 | 201.9 | 210.3 | 199.4 | 202.6 | - | 160.1 | 167.4 | 157.2 | 160.1 | - |
| Furniture and home furnishings stores | 57 | 1,052.9 | 1,081.4 | 1,078.7 | 1,107.7 | 1,137.0 | 870.7 | 896.4 | 888.6 | 916.8 | - |
| Furniture and home furnishings stores | 571 | 536.0 | 548.7 | 550.5 | 561.4 | - | 438.9 | 449.4 | 448.9 | 459.0 | - |
| Furniture stores | 5712 | 310.7 | 316.1 | 324.3 | 328.3 | - | - | - | - | - | - |
| Household appliance stores | 572 | 71.3 | 72.7 | 68.7 | 70.1 | - | 57.9 | 59.2 | 55.9 | 57.0 | - |
| Radio, television, and computer stores | 573 | 445.6 | 460.0 | 459.5 | 476.2 | - | 373.9 | 387.8 | 383.8 | 400.8 | - |
| Radio, television, and electronic stores .................. | 5731 | 197.9 | 203.9 | 202.2 | 209.5 | - | 166.2 | 170.7 | 169.2 | 176.6 | - |
| Record and prerecorded tape stores ...................... | 5735 | 84.3 | 90.2 | 87.2 | 95.6 | - | 70.7 | 78.1 | 73.7 | 82.1 | - |
| Eating and drinking places ..................................... | 58 | 7,596.0 | 7.637.7 | 7.760.5 | 7,735.8 | 7.793.5 | 6,828.8 | 6,870.2 | 6,950.6 | 6,928.6 | - |
| Miscellaneous retail establishments .......................... | 59 | 2,969.7 | 3,073.0 | 2,934.4 | 3,026.9 | 3,115.9 | 2,500.1 | 2,598.1 | 2,444.7 | 2,533.2 | - |
| Drug stores and proprietary stores | 591 | 639.6 | 652.1 | 651.8 | 658.4 | - | 534.8 | 547.2 | 541.9 | 547.2 | - |
| Liquor stores | 592 | 113.3 | 115.2 | 113.2 | 114.9 | - | $\overline{-}$ | - | - | - | - |
| Used merchandise stores | 593 | 118.5 | 119.2 | 122.8 | 123.4 | - | 98.9 | 99.0 | 102.3 | 102.8 | - |
| Miscellaneous shopping goods stores ..................... | 594 | 1,088.9 | 1,162.1 | 1,025.2 | 1,086.8 | - | 927.8 | 998.0 | 858.4 | 918.5 | - |
| Sporting goods and bicycle shops ......................... | 5941 | 205.8 | 215.0 | 201.3 | 208.4 | - | - | - | - | - | - |
| Book stores | 5942 | 138.2 | 147.1 | 134.1 | 136.8 | - | - | - | - | - | - |
| Stationery stores ................................................ | 5943 | 91.1 | 92.6 | 94.8 | 95.9 | - | - | - | - | - | - |
| Jewelry stores | 5944 | 151.5 | 161.5 | 146.2 | 152.5 | - | - | - | - | - | - |
| Gith, novelty, and souvenir shops ......................... | 5947 | 239.3 | 251.1 | 237.0 | 248.5 | - | - | - | - | - | - |
| Sewing, needlework, and piece goods ................... | 5949 | 53.2 | 52.6 | 50.7 | 50.2 | - | - | $\stackrel{-}{7}$ | - | - | - |
| Nonstore retailers ................................................ | 596 | 384.7 | 384.3 | 376.2 | 394.2 | - | 328.3 | 327.9 | 320.6 | 337.4 | - |
| Catalog and mail-order houses ............................ | 5961 | 260.0 | 258.8 | 255.0 | 272.0 | - | - | - | - | - | - |
| Merchandising machine operators ........................ | 5962 | 68.2 | 68.3 | 68.7 | 69.2 | - | $\overline{-}$ | $\bar{\square}$ | $\overline{-1}$ | $\overline{-}$ | - |
| Fuel dealers ....................................................... | 598 | 99.9 | 101.4 | 97.2 | 99.5 | - | 83.0 | 84.3 | 80.1 | 82.0 | - |
| Retail stores, nec ................................................ | 599 | 524.8 | 538.7 | 548.0 | 550.5 | - | 434.7 | 447.4 | 449.7 | 452.5 | - |
| Florists, tobacco stores, and newsstands ............... | 5992,3,4 | 152.2 | 163.8 | 155.8 | 158.8 | - | - 7 | - | - | - | - |
| Optical goods stores ........................................... | 5995 | 69.6 | 69.6 | 76.4 | 75.5 | - | 57.5 | 57.1 | 61.2 | 60.0 | - |
| Miscellaneous retail stores, nec ............................ | 5999 | 303.0 | 305.3 | 315.8 | 316.2 | - | 247.3 | 249.9 | 257.2 | 258.5 | - |
| Finance, insurance, and real estate ${ }^{3}$....................... |  | 7,151 | 7,173 | 7,407 | 7,417 | 7,445 | 5,223 | 5,241 | 5,434 | 5,435 | 5,456 |
| Finance ................................................................ |  | 3,456 | 3.478 | 3.587 | 3,598 | 3,621 | - | - | - | - | - |
| Depository institutions .......................................... | 60 | 2,030.6 | 2,040.8 | 2,035.1 | 2,038.8 | 2,047.6 | 1,456.6 | 1,464.8 | 1,459.0 | 1,463.6 | - |
| Commercial banks ............................................. | 602 | 1,461.9 | 1,467.3 | 1,450.7 | 1,453.2 | 1,459.9 | 1,034.0 | 1,038.7 | 1,025.3 | 1,028.7 | - |
| State commercial banks | 6022 | 592.4 | 595.5 | 602.4 | 604.5 | - | 423.2 | 425.9 | 431.6 | 433.6 | - |
| National and commercial banks, nec .................... | 6021.9 | 869.5 | 871.8 | 848.3 | 848.7 | $\square$ | 610.8 | 612.8 | 593.7 | 595.1 | - |
| Savings institutions ............................................. | 603 | 259.6 | 262.4 | 263.2 | 263.3 | 264.3 | - | - | - | - | - |
| Federal savings institutions ............................... | 6035 | 144.3 | 146.5 | 145.4 | 145.3 | - | - | - | - | - | - |
| Savings institutions, except federal ..................... | 6036 | 115.3 | 115.9 | 117.8 | 118.0 | - | $\overline{-}$ | - | - | - | - |
| Credit unions .................................................... | 606 | 174.0 | 175.2 | 180.0 | 180.8 | - | 138.2 | 139.2 | 143.3 | 143.9 | - |
| Nondepository institutions .................................... | 61 | 579.6 | 586.2 | 638.3 | 646.4 | 654.2 | 404.8 | 407.7 | 435.1 | 441.1 | - |
| Personal credit institutions ................................... | 614 | 183.3 | 186.5 | 187.4 | 188.9 | - | 119.6 | 119.5 | 106.8 | 106.7 | - |
| Business credit institutions .................................. | 615 | 116.7 | 117.1 | 125.0 | 127.2 | - | - | - | - | - | - |
| Mortgage bankers and brokers ............................. | 616 | 258.6 | 261.4 | 303.7 | 307.8 | 312.8 | - | - | - | - | - |
| Security and commodity brokers ............................ | 62 | 615.0 | 618.8 | 665.2 | 662.1 | 666.3 | - | - | - | - | - |
| Security brokers and dealers ............................... | 621 | 456.9 | 458.9 | 487.4 | 483.8 | - | - | - | - | - | - |
| Commodity contracts brokers, dealers, and exhanges $\qquad$ | 622,3 | 25.5 | 25.5 | 25.5 | 25.5 | - | $\bar{\square}$ | - | - | - | - |
| Security and commodity services ......................... | 628 | 132.6 | 134.4 | 152.3 | 152.8 | - | 88.3 | 89.5 | 102.4 | 103.0 | - |
| Holding and other investment offices ...................... | 67 | 230.3 | 231.8 | 248.4 | 250.4 | 252.6 | - | - | - | - | - |
| Holding offices .................................................. | 671 | 107.3 | 107.9 | 114.2 | 114.9 | - | - | - | - | - | - |

See footnotes at end of table.

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(In thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & \text { 1998p } \end{aligned}$ | Nov. <br> 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ |
| Services-Continued <br> Auto repair, services, and parking-Continued Automotive services, except repair Carwashes $\qquad$ | $\left\lvert\, \begin{aligned} & 754 \\ & 7542 \end{aligned}\right.$ | $\begin{aligned} & 235.4 \\ & 121.1 \end{aligned}$ | $\begin{aligned} & 237.7 \\ & 124.2 \end{aligned}$ | $\begin{aligned} & 241.2 \\ & 126.5 \end{aligned}$ | $\begin{aligned} & 241.5 \\ & 126.6 \end{aligned}$ | - | 200.5106.9 | 202.6109.5 | 206.1112.1 | 206.5112.2 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Miscellaneous repair services | 762 | 379.5115.6 | 379.4115.8 | 391.4119.1 | ${ }^{390.8}$ | 392.3 | 311.1 | ${ }^{311.1}$ | 320.7 | 319.7 |  |
| Electrical repair shops ... |  |  |  |  |  |  |  |  |  |  |  |
| Motion pictures | 78 | 553.4 | $\begin{aligned} & 567.8 \\ & 241.6 \end{aligned}$ | $\begin{aligned} & 556.3 \\ & 244.8 \end{aligned}$ | $\begin{aligned} & 556.5 \\ & 243.3 \end{aligned}$ | 567.8 | $\begin{aligned} & 462.2 \\ & 201.2 \end{aligned}$ | $475.2$ | $\begin{aligned} & 462.9 \\ & 204.6 \end{aligned}$ | $463.4$ |  |
| Motion picture production and services | 781 | 239.5 |  |  |  | - |  |  |  |  |  |
| Motion picture theaters | 784 | $\begin{aligned} & 125.4 \\ & 169.0 \end{aligned}$ | $\begin{aligned} & 132.2 \\ & 174.6 \end{aligned}$ | $\begin{aligned} & 124.4 \\ & 168.9 \end{aligned}$ | 125.6169.6 | - | -135.7 | $\stackrel{-}{140.4}$ | $\stackrel{-136.2}{ }$ | $\stackrel{-136.7}{ }$ |  |
| Video tape rental .... |  |  |  |  |  |  |  |  |  |  |  |
| Amusement and recreation services | 79 | 1,444.6 84.3 | $1,455.6$84.4 | $1,658.3$82.9 | $1,563.9$82.9 | 1,555.5 | 1,247.3 | $\begin{array}{r} 1,256.8 \\ 75.4 \end{array}$ | $\begin{array}{r} 1,444.0 \\ 73.8 \end{array}$ | $\begin{aligned} & 1,349.7 \\ & 74.1 \end{aligned}$ |  |
| Bowling centers |  |  |  |  |  |  |  |  |  |  |  |
| Misc. amusement and recreation services | 799 | 1,023.1 | 1,036.4 | 1,201.2 | 1,110.5 | - | 883.1 | 893.6 | 1,044.5 | 954.4 | - |
| Physical fitness facilities | 79917997 | $\begin{aligned} & 170.6 \\ & 301.0 \end{aligned}$ | $\begin{aligned} & 170.6 \\ & 297.2 \end{aligned}$ | $\begin{aligned} & 184.3 \\ & 354.6 \end{aligned}$ | $\begin{aligned} & 184.8 \\ & 328.5 \end{aligned}$ |  | $\begin{aligned} & 151.9 \\ & 261.7 \end{aligned}$ | $\begin{aligned} & 152.2 \\ & 258.0 \end{aligned}$ | $\begin{aligned} & 162.7 \\ & 310.7 \end{aligned}$ | $\begin{aligned} & 162.9 \\ & 285.2 \end{aligned}$ | - |
| Membership sports and recreation clubs |  |  |  |  |  | - |  |  |  |  |  |
| Health services | 80 | $\begin{aligned} & 9,815.9 \\ & 1,770.2 \end{aligned}$ | $\begin{aligned} & 9,844,8 \\ & 1,785.3 \end{aligned}$ | $\begin{aligned} & 9,948.3 \\ & 1,842.3 \end{aligned}$ | $\begin{aligned} & 9,964.1 \\ & 1,847.2 \end{aligned}$ | 9,978.4 | 8,699.1 | $8,723.3$$1,467.8$ | $\left\lvert\, \begin{aligned} & 8,809.3 \\ & 1,515.3 \end{aligned}\right.$ | 8,817.5 | - |
| Offices and clinics of medical doctors | 801 |  |  |  |  |  |  |  |  | $\begin{array}{r} 1.516 .9 \\ 567.5 \end{array}$ | - |
| Offices and clinics of dentists |  | 631.1 | 635.8 | $\begin{array}{r} 1,842.3 \\ 648.9 \end{array}$ | $\begin{array}{r} 1,847.2 \\ 651.7 \end{array}$ | 1,852.8 | 1,453.1 | 1,467.8 | $\begin{array}{\|r} 1,515.3 \\ 565.0 \end{array}$ |  |  |
| Otfices and clinics of other health practitioners | 804 | $\begin{aligned} & 450.7 \\ & 168.3 \end{aligned}$ | $\begin{aligned} & 454.3 \\ & 168.4 \end{aligned}$ | 468.2169.5 | 468.9169.3 | - | 374.9 | 377.5 | 389.5 | 389.6 | - |
| Offices and clinics of chiropractors and optometrists | 8041.2 |  |  |  |  |  | 1,585.1 | 1,586.8 | 1,578.2 | 1,578.3 |  |
| Nursing and personal care facilities. | 805 | $\begin{array}{r} 1,763.6 \\ 1,338.0 \end{array}$ | $\begin{aligned} & 1,765.5 \\ & 1,339.7 \end{aligned}$ | $\begin{aligned} & 1,755.7 \\ & 1,332.6 \end{aligned}$ | 1,756.4 | 1.754 .8 |  |  |  |  | - |
| Skilled nursing care facilities | 8051 |  |  |  | 1,333.8 |  |  |  |  |  |  |
| Intermediate care facilities | 8052 | 208.1 | 207.8 | 207.8 | 214.4 |  | -579 | 186.4 | 186.9 | 186.8 |  |
| Nursing and personal care, nec | 8059 | 217.5 | 218.03.910 .3 | 215.3 |  | - |  | 3,584.3 | 3,641.8 | 3,643.6 |  |
| Hospitals. | 8068 | 3,902.2 |  | 3.974 .7 | 3,979.7 | 3,984.3 | 3,578.7 |  |  |  |  |
| General medical and surgical hospitals |  | 84.0221.6 | 3,603.4 | $\begin{array}{r} 3,62.1 \\ 86.0 \end{array}$ | $\begin{array}{r} 3,665.8 \\ 86.6 \end{array}$ | - | - | - | - | - |  |
| Psychiarric hospitals | 8063 8069 |  |  |  |  |  |  |  |  |  |  |
| Specialty hospitals, excluding psychiatric Medical and dental laboratories ............. | 8069 | $\begin{aligned} & 199.2 \\ & 719.3 \end{aligned}$ | $\begin{aligned} & 199.4 \\ & 714.7 \end{aligned}$ | $\begin{aligned} & 202.8 \\ & 667.3 \end{aligned}$ | $\begin{aligned} & 203.3 \\ & 666.3 \end{aligned}$ | -655.6 | - | - | - | - |  |
| Morme health care services .... | 8808 |  |  |  |  |  | 662.9 | 658.5 | 615.3 | 614.2 |  |
| Legal services | 81 | 957.2 | 962.5 | 989.7 | 993.0 | 996.2 | 763.0 | 767.5 | 789.7 | 793.0 | - |
| Educational services | 82 | 2,325.5 | 2,273.3 | 2.385 .9 | 2.422 .0 | 2,371.2 | - | - | - | - | - |
| Elementary and secondary schoois | 821 | 653.9 | 655.3 | 682.0 | 687.5 | - | - | - | - | - |  |
| Colleges and universitios | 822 | 1,400.8 | 1,351.1 | 1,420.4 | 1,449.5 | - | - | - | - | - |  |
| Vocational schoois. | 824 | 86.7 | 85.4 | 88.9 | 92.3 | - |  |  | - | - | - |
| Social services. | 83 | 2,562.5 | 2,567.4 | 2,668.7 | 2,682.9 | 2,693.1 | 2.221 .6 | 2,225.2 | 2,313.4 | 2,323.7 | - |
| Individual and family services | 832 | 688.5 | 689.5 | 718.5 | 724.3 | - | 596.6 | 597.2 | 624.5 | 629.2 |  |
| Job training and related services | 833 | 355.3 | 355.9 | 377.3 | 379.0 |  | 305.4 | 305.4 | 328.0 | 328.1 | - |
| Child day care services | 835 | 585.7 | 583.2 | 598.3 | 601.4 | 600.8 | 520.1 | 517.1 | 528.7 | 531.5 | - |
| Residential care | 836 | 728.5 | 734.9 | 759.4 | 762.3 | 766.2 | 631.8 | 638.4 | 657.7 | 660.4 | - |
| Social services, nec | 839 | 204.5 | 203.9 | 215.2 | 215.9 |  | 167.7 | 167.1 | 174.5 | 174.5 |  |
| Museums and bolanical and zoological gardens | 84 | 88.4 | 88.5 | 93.1 | 90.9 | 91.7 | - | - | - | - | - |
| Membership organizations | 86 | 2,233.8 | 2,242.9 | 2,267.1 | 2,265.5 | 2,270.6 | - | - | - | - | - |
| Business associations | 861 | 108.0 | 108.1 | 110.7 | 110.1 |  | - | - |  | - |  |
| Professional organizations | 862 | 59.8 | 59.9 | 62.5 | 62.9 | - | 43.1 | 43.1 | 45.2 | 45.5 | - |
| Labor organizations | 863 | 142.0 | 145.0 | 141.8 | 141.1 | - | - | - | - | - | - |
| Civic and social associations. | 864 | 432.2 | 436.2 | 448.9 | 448.8 | - | - | - | - | - | - |
| Engineering and management services | 87 | 3,077.4 | 3,097.4 | 3,288.0 | 3,306.7 | 3,321.5 | 2,343.2 | 2,358.2 | 2,504.3 | 2,519.5 | - |
| Engineering and architectural services... | 871 | 885.5 | 889.7 | 929.4 | 930.2 | 931.2 | 727.8 | 731.1 | 764.0 | 764.6 | - |
| Engineering services | 8711 | 680.2 | 683.3 | 708.8 | 708.5 | - | 565.3 | 568.0 | 589.5 | 589.3 | - |
| Architectural services | 8712 | 148.6 | 149.9 | 160.5 | 161.0 | - | 116.1 | 117.1 | 125.6 | 125.8 | - |
| Accounting, auditing, and bookkeeping .............. | 872 | 610.3 | 612.9 | 643.4 | 647.1 | - | 425.3 | 425.0 | 452.5 | 456.5 | - |

See footnotes at end of table.

B-12. Employees on nonfarm payrolls by detailed industry-Continued
(in thousands)

| Industry | $\begin{aligned} & 1987 \\ & \text { SiC } \\ & \text { Code } \end{aligned}$ | All employees |  |  |  |  | Production workers ${ }^{1}$ |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. <br> 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ \text { 19988 } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ |
| Services-Continued <br> Engineering and management services-Continued |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Research and testing services. | 8731 | 607.3 29.5 | 608.4 229.7 | 637.0 238.4 | 638.6 238.5 | - | 463.9 159.0 | 464.7 158.8 | 487.6 164.4 | 488.9 164.9 | - |
| Commercial physical research ..... | 8732 | 140.1 | 139.8 | 250.4 | 150.4 | - | 115.9 | 115.9 | 125.1 | 125.4 | - |
| Noncommercial research organizations | 8733 | 143.4 | 144.4 | 150.2 | 152.1 | - | 112.3 | 113.1 | 117.7 | 119.2 | - |
| Management and public relations ........... | 874 | 974.3 | 986.4 | 1,078.2 | 1,090.8 | 1,094.2 | 726.2 | 737.4 | 80.2 | 809.5 | - |
| Management services | 8741 | 324.0 | 325.7 | 363.5 | 365.5 | - | 237.4 | 239.7 | 271.2 | 272.1 | - |
| Management consulting services | 8742 | 348.4 | 354.7 | 395.8 | 400.1 | - | 261.3 | 265.2 | 291.1 | 293.5 | - |
| Public relations services ... | 8743 | 40.6 | 41.0 | 44.8 | 45.6 | - | 27.4 | 27.6 | 29.7 | 30.8 | - |
| Services, nec | 89 | 51.3 | 51.5 | 53.2 | 54.6 | 54.4 | 40.6 | 40.7 | 41.8 | 42.7 | - |
| Government |  | 20,096 | 20,046 | 20,254 | 20,448 | 20.401 | - | - | - | - | - |
| Federal Government ${ }^{4}$..... |  | 2.679 | 2.720 | 2,694 | 2,705 | 2,723 | - | - | - | - | - |
| Executive, by agency ${ }^{4}$... |  | 2,617.5 | 2,659.1 | 2,632.4 | - | - | - | - | - | - | - |
| Department of Defense .................................... |  | 681.8 | 679.0 | 655.1 | - | - |  | - | - |  |  |
| Postal Service ${ }^{5}$................. |  | 867.7 | 917.0 | 870.8 | - | - | - | - | - | - |  |
| Other executive agencies .......... |  | 1,068.0 | 1,063.1 | 1,106.5 | - | - | - | - | - | - | - |
| Legislative .............................. |  | 31.1 300 | 30.9 30.1 | 30.1 31.1 | - | - | - | - | - |  | - |
| Federal Government, except Postal Service ............. |  | 1,810.9 | 1,803.1 | 1,822.8 | 1,816.3 | 1,804.8 | - | - | - | - | - |
| Federal Government, by industry: |  | 48.5 | 48.1 | 47.2 | 46.7 |  |  |  |  |  |  |
| Manutacuuring activites ....................................................... | 3731 | 21.8 | 21.8 | 22.0 | 21.7 | - | - | - | - | - | - |
| Transportation and public utilities, except Postal Service |  | 12.9 | 12.7 | 12.1 | 12.2 | - | - | - | - |  |  |
| Services ........................................................................... |  | 359.0 | 358.4 | 352.0 | 349.5 | - | - | - | - | - | - |
| Hospitals ............. | 806 | 221.6 | 222.2 | 217.9 | 217.7 | - | - | - | - | - |  |
| State government ............................................. |  | 4,749 | 4.691 | 4,788 | 4,810 | 4,789 | - | - | - | - | - |
| Construction .................................................... |  | 86.4 | 86.5 | 86.8 | 86.8 | - |  | - | - |  |  |
| Transporation and public utilities ........................... |  | 52.2 | 51.8 | 52.0 | 51.8 | - | - | - | - | - |  |
| Services .......................................................... |  | 2,797.9 | 2,745.1 | 2.798 .2 | 2,826.7 | - | - | - | - |  |  |
| Hospitals . | 806 | 366.3 | 364.9 | 364.6 | 365.1 |  |  | - |  | - |  |
| Education. | 82 | 2,082.1 | 2,032.2 | 2.076 .4 | 2.104 .6 | 2,084.8 | - | - | - | - | - |
| Social services.. |  | 205.9 | 205.6 | 208.7 | 210.2 | - |  | - | - |  | - |
| Services. except hospitals, education, and social services |  | 143.6 | 142.4 | 148.5 | 146.8 | - | - | - | - | - | - |
| General administration, inciuding executive, legislative, and judicial functions |  | 1,812.0 | 1,807.4 | 1,850.5 | 1,844.8 |  |  |  |  |  |  |
| State government, except education ........................ |  | 2,666.4 | 2,658.6 | 2,711.1 | 2,705.5 | 2,704.6 | - | - | - | - | - |
| Local government |  | 12.668 | 12,635 | 12.772 | 12,933 | 12,889 | - | - | - | - | - |
| Transporation and public utilities ... |  | 453.7 | 455.0 | 453.4 | 453.4 | - | - | - | - | - | - |
| Services ................ |  | 8,468.1 | 8,443.0 | 8,525.6 | 8,653.3 | - | - | - | - | - | - |
| Hospitals | 806 | 643.0 | 644.7 | 657.3 | 657.7 |  | - | - | - | - | - |
| Education. | 82 | 7,330.2 | 7,309.2 | 7,359.6 | 7.491.9 | 7,485.9 | - | - | - | - | - |
| Social services |  | 139.8 | 139.8 | 142.4 | 142.4 | - | - | - | - | - | - |
| Services, except hospitals, education, and social services |  | 355.1 | 349.3 | 366.3 | 361.3 | - | - | - | - | - | - |
| General administration, including executive, legislative, and judicial functions |  | $\begin{aligned} & 3,746.0 \\ & 53376 \end{aligned}$ | $3,737.1$ | $\begin{aligned} & 3.793 .0 \\ & 5.42 .4 \end{aligned}$ | $\begin{aligned} & 3,826.4 \\ & 5,4412 \end{aligned}$ | 5,403.5 | - | - | - | - | - |

1 Data relate to production workers in mining and manulacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.
${ }^{2}$ Data relate to line-haul railroads with operating revenues of $\$ 253.7$ million or more in 1993 and to Amtrak.
${ }^{3}$ Excludes nonoffice commissioned real estate sales agents.
4 Prepared by the Office of Personnel Management. Data relate to civilian
employment only and exciude the Central Intelligence Agency and the National Security Agency.

5 Inciudes rural mail carriers.

- Data not available.
$p=$ preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 lorward are subject to revision.

B-13. Women employees on nonfarm payrolls by major industry and manufacturing group
(In thousands)

| Industry | Sept. <br> 1997 | $\begin{aligned} & \text { Oct. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Aug. } \\ & 1998 \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { Sept. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total | 59,623 | 60,316 | 60,128 | 61,093 | 61,686 |
| Total private | 48,873 | 49,159 | 50,015 | 50,086 | 50,290 |
| Goods-producing .............................................. | 6,769 | 6,779 | 6,786 | 6,780 | 6.734 |
| Mining .......................... | 82 | 83 | 83 | 82 | 81 |
| Construction | 650 | 651 | 692 | 688 | 688 |
| Manufacturing ................................................. | 6,037 | 6,045 | 6,011 | 6,010 | 5,965 |
| Durable goods | 2,932 | 2,950 | 2,956 | 2,952 | 2,942 |
| Lumber and wood products .............................. | 139 | 140 | 145 | 146 | 146 |
| Furniture and tixtures ...................................... | 160 | 161 | 166 | 166 | 167 |
| Stone, clay, and glass products .......................... | 106 | 106 | 108 | 107 | 107 |
| Primary metal industries .................................. | 103 | 103 | 105 | 105 | 104 |
| Fabricated metal products ................................. | 329 | 331 | 336 | 337 | 337 |
| Industrial machinery and equipment ...................... | 475 | 478 | 473 | 469 | 469 |
| Electronic and other electrical equipment ................ | 703 | 707 | 695 | 695 | 687 |
| Miscellaneous mantacturing ................................ | 173 | 174 | 170 | 171 | 169 |
| Nondurable goods ....................... | 3,105 | 3.095 | 3.055 | 3,058 | 3,023 |
| Food and kindred products | 588 | 575 | 590 | 595 | 574 |
| Tobacco products ............................................. | 14 | 14 | 13 | 13 | 14 |
| Textile mill products | 286 | 284 | 275 | 277 | 274 |
| Apparel and other textile products ......................... | 607 | 606 | 559 | 560 | 548 165 |
| Paper and allied products ............................................................... | 168 700 | 168 703 | 167 708 | 166 705 | 165 707 |
| Chemicals and allied products ................................... | 330 | 331 | 335 | 333 | 332 |
| Petroleum and coal products .................................. | 25 | 25 | 24 | 24 | 24 |
| Rubber and misc. plastics products ....................... | 341 | 343 | 342 | 344 | 343 |
| Leather and leaiher products ............................... | 47 | 47 | 43 | 42 | 43 |
| Service-producing .............................................. | 52,854 | 53,537 | 53,342 | 54,313 | 54,952 |
| Transportation and public utllities ....................... | 1,953 | 1,958 | 1,953 | 2,002 | 2.019 |
| Wholesale trade .............................................. | 2,064 | 2,081 | 2,094 | 2,100 | 2,115 |
| Retail trade ......... | 11,637 | 11,697 | 11,934 | 11,933 | 11,962 |
| Finance, insurance, and real estate ...................... | 4,482 | 4,492 | 4,654 | 4,622 | 4,636 |
| Services ........................................................ | 21,968 | 22,152 | 22.594 | 22,649 | 22,824 |
| Government .................................................. | 10.750 | 11,157 | 10.113 | 11,007 | 11,396 |
| Federal | 1,136 | 1,132 | 1,136 | 1,134 | 1,140 |
| State ................................................. | 2,323 | 2,419 | 2,256 | 2,384 | 2,467 |
| Local ............................................................. | 7,291 | 7,606 | 6,721 | 7.489 | 7,789 |

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are
introduced, all unadjusted data from April 1997 forward are subject to revision.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED
B-14. Employees on nonfarm payrolls in States and selected areas by major industry
(In thousands)

| State and area | Total |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | October 1998 | Novernber $199 g^{p}$ | November 1997 | October 1998 | November 1998p | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1996P |
| Alaberma | 1,887.0 | 1,895.7 | 1,902.6 | 10.0 | 9.6 | 9.6 | 97.5 | 101.9 | 101.6 |
| Birmingham ... | 468.7 | 476.6 | 478.9 | 3.1 | 3.0 | 3.0 | 27.9 | 29.8 | 29.5 |
| Huntsville ....... | 176.1 | 175.6 | 176.6 | $\binom{1}{1}$ | (1) | (1) | 6.0 | 6.3 | 6.3 |
| Mobile | 222.0 | 225.5 | 226.5 | (1) | (1) | (1) | 16.5 | 17.1 | 17.1 |
| Montgomery ......................................................... | 157.5 | 158.5 | 159.7 | (1) | (1) | (1) | 8.0 | 8.2 | 8.2 |
| Tuscaloosa ......................................................... | 81.4 | 82.9 | 83.8 | 2.7 | 2.6 | 2.6 | 5.7 | 6.4 | 6.4 |
| Alaska | 262.3 | 274.9 | 268.0 | 10.0 | 11.0 | 10.4 | 12.4 | 14.7 | 12.9 |
| Anchorage | 125.0 | 129.5 | 128.7 | 2.5 | 2.7 | 2.6 | 6.5 | 7.6 | 6.9 |
| Arizona | 2,037.6 | 2.101 .0 | 2,131.9 | 14.2 | 13.1 | 13.1 | 133.1 | 142.3 | 142.7 |
| Phoenix-Mesa | 1,432.3 | 1.481 .2 | 1,508.1 | 6.7 | 5.9 | 5.9 | 95.9 | 103.4 | 103.9 |
| Tueson | 320.6 | 326.5 | 329.9 | 2.4 | 2.3 | 2.3 | 19.8 | 21.3 | 21.4 |
| Arkanses | 1,119.5 | 1,136.9 | 1,138.1 | 3.6 | 3.6 | 3.6 | 48.2 | 51.4 | 50.4 |
| Fayettevill-Springdale-Rogers | 141.8 | 142.7 | 143.3 | ( ${ }^{1}$ ) | ( ${ }^{1}$ ) | (1) | 5.7 | 5.6 | 5.5 |
| Fort Smith | 96.4 | 97.0 | 96.9 | . 9 | 8 | . 8 | 4.1 | 4.4 | 4.4 |
| Little Rock-North Little Rock ...................................... | 307.6 | 307.6 | 309.4 | (1) | (1) | (1) | 14.2 | 15.0 | 14.9 |
| Pine Bluff ............................................................. | 36.0 | 36.2 | 36.3 | (1) | (1) | (1) | . 9 | 1.0 | 1.0 |
| Calitomia | 13,463.9 | 13,753. 1 | 13,824.8 | 29.5 | 28.1 | 28.0 | 581.9 | 641.9 | 636.1 |
| Bakersfield | 182.8 | 183.1 | 184.0 | 10.9 | 10.3 | 10.2 | 8.5 | 8.4 | 8.3 |
| Fresno | 279.2 | 284.6 | 283.5 | . 5 | . 5 | . 5 | 13.7 | 15.2 | 15.2 |
| Los Angeles-Long Beach | 3,941.2 | 4.010 .7 | 4,031.4 | 5.7 | 5.5 | 5.4 | 112.7 | 117.3 | 116.5 |
| Modesto | 136.2 | 139.3 | 140.1 | ( ${ }^{2}$ ) | (2) | $\left({ }^{2}\right)$ | 7.2 | 7.7 | 7.6 |
| Oakiand | 971.B | 990.8 | 996.4 | 2.3 | 2.3 | 2.3 | 51.6 | 59.9 | 58.4 |
| Orange County | 1,256.2 | 1,296.9 | 1,302.5 | 9 | . 9 | . 9 | 61.4 | 67.4 | 67.3 |
| Riverside-San Bernardino | 864.0 | 896.2 | 905.5 | 1.1 | 1.1 | 1.1 | 54.0 | 60.9 | 60.6 |
| Sacramento. | 635.7 | 644.7 | 650.2 | 2 | 2 | . 2 | 34.9 | 37.7 | 37.6 |
| Salinas ....... | 119.8 | 122.9 | 123.6 | . 1 | . 1 | 1 | 4.8 | 5.5 | 5.5 |
| San Diego. | $1,071.9$ | 1,091.1 | $1,099.1$ | 4 | 4 | 4 | 55.0 | 57.1 | 56.5 |
| San Francisco | 1,004.5 | 1,016.6 | 1,023.1 | 6 | 5 | 5 | 36.6 | 39.6 | 39.2 |
| San Jose | 950.4 | 959.0 | 959.7 | . 1 | 2 | 2 | 40.9 | 44.2 | 44.0 |
| Santa Barbara-Santa Maria-Lompoc .... | 154.0 | 156.3 | 157.5 | 1.1 | . 9 | . 9 | 6.7 | 7.0 | 7.1 |
| Santa Rosa | 168.8 | 172.9 | 173.3 | 5 | . 5 | . 5 | 9.7 | 9.7 | 9.8 |
| Stockton-Lodi | 171.0 | 175.4 | 175.0 | 1 | . 1 | 1 | 7.9 | 8.7 | 8.4 |
| Vallejo-Fairield-Napa | 154.3 | 160.0 | 160.1 | 5 | 6 | 6 | 10.7 | 11.2 | 11.1 |
| Ventura ................ | 247.7 | 254.5 | 257.2 | 1.6 | 1.4 | 1.4 | 11.5 | 12.2 | 12.4 |
| Coloredo | $2,015.3$ | 2.065 .6 | 2,075.5 | 14.2 | 13.8 | 13.8 | 119.7 | 135.9 | 133.0 |
| Boulder-Longmont | 165.0 | 166.2 | 166.3 | (1) | (1) | (1) | 6.1 | 7.0 | 6.9 |
| Colorado Springs | 220.4 | 226.9 | 228.3 | (1) | (1) | (1) | 12.1 | 13.2 | 12.9 |
| Denver ............... | 1,074.1 | 1.106 .3 | 1,110.6 | 6.8 | 6.4 | 6.3 | 62.3 | 71.4 | 70.1 |
| Connecticut | 1.655 .6 | 1,665.0 | 1,675.9 | . 8 | . 8 | . 8 | 60.0 | 62.8 | 62.2 |
| Bridgeport | 186.6 | 185.4 | 186.0 | (2) | (2) |  | 6.8 | 7.2 | 7.2 |
| Danbury . | 88.1 | 88.4 | 89.0 | (1) | (1) | (1) | 3.7 | 4.0 | 3.9 |
| Hartford | 605.2 | 604.6 | 607.5 | (1) | (1) | (1) | 20.4 | 19.9 | 20.1 |
| Now Haven-Meriden | 253.2 | 253.2 | 254.2 | (1) | (1) | (1) | 9.4 | 9.6 | 9.4 |
| Now London-Norwich | 138.1 | 139.7 | 139.9 | (1) | $(1)$ | (1) | 4.6 | 4.9 | 4.9 |
| Stamford-Norwalk ...... | 208.3 | 210.1 | 211.2 | (1) | (1) | (1) | 6.0 | 6.0 | 5.8 |
| Waterbury .............. | 89.1 | 89.2 | 89.8 | (2) | (2) | (2) | 3.6 | 3.9 | 3.9 |
| Delaware | 396.8 | 406.4 | 409.3 | 1 | . 1 | . 1 | 22.9 | 24.0 | 24.1 |
| Dover | 53.6 | 56.2 | 57.3 | 1 | . 1 | . 1 | 2.4 | 2.5 | 2.5 |
| Wilmingtor-Newark ........................ | 309.7 | 316.7 | 319.8 | 2 | 2 | 2 | 17.7 | 18.2 | 18.6 |
| Diatrict of Columbla | 613.2 | 614.0 | 614.7 | . 1 | 1 | 1 | 8.5 | 8.5 | 8.4 |
| Washington PMSA ................................................. | 2,517.0 | 2,570.5 | 2,585.3 | 1.1 | 1.1 | 1.2 | 128.0 | 137.4 | 136.6 |
| Foride | 6,573.8 | 6,730.0 | 6,804.5 | 6.6 | 7.0 | 7.0 | 341.9 | 355.4 | 356.0 |
| Daytona Beach | 152.3 | 155.0 | 156.2 | $\left({ }^{2}\right)$ | (2) | (2) | 7.8 | 7.9 | 7.9 |
| Fort Lauderdale | 640.7 | 651.5 | 658.5 |  |  | . 1 | 34.0 | 34.6 | 34.6 |
| Fort Myers-Cape Coral | 152.4 | 153.4 | 155.3 |  | (2) | $\left(\begin{array}{l}2 \\ 2\end{array}\right.$ | 12.9 | 12.9 | 13.1 |
| Gainesville ................. | 114.9 | 116.6 | 117.4 | (2) | (2) | (2) | 4.4 | 4.5 | 4.6 |
| Jacksonville | 529.8 | 547.5 | 551.4 | (2) | (2) | (2) | 28.6 | 28.8 | 28.9 |
| Lakeland-Winter Haven | 170.8 | 174.1 | 176.3 |  |  | (2) 3.1 | 8.4 | 8.3 | 8.3 |
| Melbourne-Titusville-Palm Bay ........ | 180.0 | 182.4 | 183.5 | $\left(^{2}\right)$ | (2) | $\left(^{2}\right)$ | 9.2 | 9.8 | 9.9 |
| Miami ... | 975.9 | 985.8 | 997.8 | (2) 3 | (2) 3 | (2) 3 | 34.4 | 35.1 | 35.0 |
| Orlando | 814.4 | 843.5 | 852.0 | $\left({ }^{2}\right)$ | (2) | $\left({ }^{2}\right)$ | 44.7 | 47.3 | 48.1 |
| Pensacola ............................................................. | 153.3 | 157.3 | 157.8 | $\left(\begin{array}{l}2 \\ 2\end{array}\right.$ | $\left({ }^{2}\right)$ | (2) | 11.0 | 11.2 | 11.3 |
| Sarasota-Bradenton ............................................... | 262.3 | 273.8 | 279.3 | (2) |  | $(2)$ | 13.0 | 13.5 | 13.5 |
| Tallahassee ......................................................... | 149.1 | 150.9 | 151.7 | (2) | (2) | (2) | 5.9 | 5.7 | 5.6 |
| Tampa-St. Petersburg-Clearwater West Palm Beach-Boca Raton | $1,091.8$ 450.1 | $1,127.5$ 458.3 | $1,138.3$ 468.6 | $(2) 4$ | $(2) .4$ | $(2) .4$ | 52.8 26.1 | 55.5 27.3 | 55.5 27.2 |

[^12]B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Manufacturing |  |  | Transportation and public utilities |  |  | Wholesale and retail trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{gathered} \text { Octaber } \\ 1998 \end{gathered}$ | November $1998^{\circ}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998 ${ }^{\text {P }}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { November } \\ 1998^{p} \end{gathered}$ |
| Alabama .............................................................. | 380.3 | 372.2 | 370.9 | 91.0 | 92.1 | 91.8 | 435.8 | 437.4 | 443.8 |
| Birmingham | 50.8 | 49.7 | 50.1 | 30.1 | 30.7 | 30.8 | 113.5 | 116.6 | 117.8 |
| Huntsville ... | 40.7 | 39.4 | 39.0 | 3.7 | 3.3 | 3.3 | 35.8 | 35.9 | 36.4 |
| Mobile | 27.7 | 28.0 | 27.9 | 13.2 | 13.6 | 13.6 | 59.2 | 59.3 | 60.1 |
| Montgomery | 17.6 | 17.8 | 17.7 | 6.3 | 6.6 | 6.6 | 37.7 | 37.0 | 38.1 |
| Tuscalosa | 11.9 | 12.4 | 12.5 | 2.5 | 26 | 2.6 | 19.2 | 18.9 | 19.7 |
| Alaska | 11.1 | 13.1 | 10.9 | 23.2 | 25.2 | 24.1 | 55.0 | 56.0 | 56.1 |
| Anchorage | 1.8 | 2.0 | 1.9 | 12.2 | 12.9 | 12.8 | 30.9 | 31.3 | 31.5 |
| Arizona | 2118 | 216.7 | 216.1 | 97.0 | 101.2 | 102.1 | 497.0 | 502.9 | 514.7 |
| Phoenix-Mesa | 165.2 | 168.8 | 168.7 | 72.3 | 76.4 | 77.1 | 351.3 | 355.8 | 365.3 |
| Tucson ................................................................ | 28.5 | 29.6 | 29.5 | 13.2 | 13.5 | 13.6 | 70.0 | 70.8 | 72.6 |
| Arkansas | 253.5 | 253.9 | 253.8 | 67.5 | 68.7 | 68.9 | 256.4 | 256.7 | 259.5 |
| Fayetteville-Springdale-Rogers ................................. | 34.0 | 33.6 | 33.7 | 9.5 | 9.8 | 9.9 | 40.7 | 40.6 | 41.3 |
| For Smith ............................................................. | 27.4 | 27.1 | 26.9 | 6.7 | 6.4 | 6.4 | 20.1 | 19.8 | 19.9 |
| Litle Rock-North Little Rock | 33.5 | 32.9 | 32.8 | 21.4 | 21.6 | 21.6 | 71.3 | 71.1 | 72.2 |
| Pine Blutf ............................................................ | 8.1 | 8.4 | 8.4 | 1.9 | 1.9 | 1.8 | 7.4 | 7.1 | 7.3 |
| Colitomia | 1,936.4 | 1,947.3 | 1,939.5 | 679.7 | 688.5 | 690.1 | 3,146.9 | 3,148.9 | 3,204.0 |
| Bakerstield | 9.9 | 10.6 | 10.5 | 10.2 | 10.8 | 10.7 | 43.5 | 42.5 | 43.2 |
| Fresno ... | 30.0 | 32.0 | 30.3 | 14.6 | 14.8 | 14.8 | 69.0 | 68.5 | 69.7 |
| Los Angeies-Long Beach | 673.0 | 680.6 | 681.1 | 214.8 | 219.5 | 220.0 | 877.0 | 879.4 | 892.9 |
| Modesto | 25.9 | 27.2 | 26.8 | 5.7 | 6.1 | 6.2 | 35.2 | 35.1 | 35.8 |
| Oakland | 120.3 | 120.8 | 120.1 | 61.6 | 61.9 | 63.0 | 220.1 | 219.4 | 223.7 |
| Orange County | 226.0 | 234.3 | 234.8 | 46.2 | 48.6 | 48.7 | 315.5 | 321.0 | 326.4 |
| Riverside-San Bernardino | 107.3 | 114.1 | 114.2 | 44.4 | 46.5 | 46.8 | 224.1 | 227.8 | 233.7 |
| Sacramento | 46.7 | 46.6 | 46.2 | 25.6 | 26.1 | 26.2 | 141.3 | 139.7 | 143.0 |
| Salinas | 8.9 | 8.8 | 8.9 | 6.0 | 5.9 | 5.9 | 32.1 | 32.6 | 33.2 |
| San Diego ...... | 123.8 | 124.0 | 124.3 | 42.2 | 41.9 | 42.2 | 246.8 | 248.9 | 253.5 |
| San Francisco | 77.8 | 76.9 | 76.4 | 80.3 | 79.7 | 80.0 | 212.6 | 209.2 | 213.8 |
| San Jose. | 259.7 | 253.2 | 251.1 | 28.4 | 29.0 | 29.0 | 191.4 | 190.4 | 193.5 |
| Santa Barbara-Santa Maria-Lompoc ........................... | 17.0 | 17.0 | 16.9 | 5.9 | 5.9 | 6.0 | 36.9 | 37.2 | 37.7 |
| Santa Rosa .......................................................... | 25.8 | 26.5 | 26.2 | 6.4 | 6.4 | 6.5 | 42.3 | 43.4 | 43.7 |
| Stockton-Lodi | 23.0 | 25.3 | 24.3 | 10.8 | 11.5 | 11.3 | 41.7 | 41.7 | 42.1 |
| Vallejo-Fairtield-Napa ............................................. | 18.4 | 19.3 | 19.2 | 6.2 | 6.5 | 6.4 | 40.4 | 40.7 | 41.1 |
| Ventura .................. | 33.3 | 34.2 | 34.0 | 9.8 | 10.1 | 10.2 | 60.9 | 61.1 | 62.3 |
| Colorado | 207.5 | 207.3 | 207.7 | 122.8 | 126.7 | 126.5 | 491.7 | 503.6 | 511.4 |
| Boulder-Longmont | 32.8 | 32.9 | 32.9 | 3.9 | 4.1 | 4.0 | 36.4 | 36.1 | 36.3 |
| Cobrado Springs ................................................... | 27.4 | 27.3 | 27.8 | 11.9 | 12.1 | 12.1 | 49.6 | 51.5 | 52.1 |
| Denver ................................................................ | 93.8 | 93.9 | 94.0 | 85.8 | 88.7 | 88.8 | 262.0 | 269.9 | 273.3 |
| Connecticut | 277.6 | 276.7 | 276.6 | 76.1 | 76.8 | 77.0 | 365.6 | 362.4 | 368.8 |
| Bridgeport | 40.1 | 39.5 | 39.4 | 7.2 | 7.1 | 7.1 | 42.0 | 41.9 | 42.3 |
| Danbury ..... | 18.9 | 18.4 | 18.4 | 2.6 | 28 | 2.8 | 22.9 | 22.2 | 22.8 |
| Hartiord | 93.9 | 94.6 | 94.4 | 27.3 | 27.6 | 27.8 | 126.7 | 124.5 | 126.2 |
| New Haven-Meriden | 39.3 | 38.9 | 39.2 | 16.3 | 16.6 | 16.7 | 53.7 | 53.3 | 54.1 |
| New London-Norwich ............................................. | 24.4 | 24.0 | 24.1 | 6.4 | 6.6 | 6.6 | 28.8 | 28.7 | 29.1 |
| Stamford-Norwalk | 27.6 | 26.6 | 26.5 | 10.1 | 10.1 | 10.0 | 47.2 | 47.2 | 48.0 |
| Waterbury ....... | 19.2 | 18.9 | 18.7 | 3.6 | 3.5 | 3.5 | 19.2 | 190 | 19.5 |
| Delaware | 58.4 | 59.2 | 59.4 | 15.8 | 16.3 | 16.3 | 87.2 | 88.7 | 89.5 |
| Dover | 6.1 | 6.3 | 6.3 | 1.9 | 2.1 | 2.1 | 12.8 | 13.3 | 13.5 |
| Wilmington-Newark ............................................... | 44.1 | 45.1 | 45.2 | 14.0 | 14.2 | 14.3 | 63.2 | 63.6 | 64.9 |
| District of Columbia | 12.7 | 12.9 | 12.9 | 17.4 | 16.7 | 16.6 | 49.3 | 48.6 | 49.2 |
|  | 99.9 | 102.0 | 102.1 | 112.6 | 113.9 | 114.1 | 482.2 | 477.3 | 487.0 |
| Florida | 494.0 | 490.0 | 491.2 | 331.1 | 3424 | 344.4 | 1,695.0 | 1,698.7 | 1,743.3 |
| Daytona Beach ....................................................... | 14.4 | 14.8 | 14.9 | 4.3 | 4.6 | 4.7 | 43.1 | 43.3 | 44.0 |
| Fort Lauderdale | 40.4 | 40.4 | 40.4 | 31.1 | 31.3 | 31.6 | 182.2 | 182.3 | 187.4 |
| Fort Myers-Cape Coral ............................................ | 6.9 | 7.0 | 6.9 | 7.0 | 7.0 | 7.1 | 43.7 | 43.2 | 44.5 |
| Gainesville ............ | 5.4 | 5.1 | 5.1 | 2.5 | 2.7 | 2.7 | 24.7 | 25.3 | 25.8 |
| Jacksonville | 37.8 | 39.1 | 39.1 | 36.7 | 37.3 | 37.6 | 131.6 | 133.7 | 135.7 |
| Lakeland-Winter Haven .......................................... | 20.9 | 20.4 | 20.7 | 8.8 | 9.1 | 9.1 | 49.2 | 50.5 | 52.0 |
| Melbourne-Titusville-Palm Bay .................................. | 28.1 | 28.6 | 28.8 | 5.3 | 5.7 | 5.7 | 42.4 | 42.9 | 43.8 |
| Miami ................................................................ | 74.6 | 72.6 | 72.5 | 84.2 | 85.7 | 86.5 | 260.7 | 260.1 | 266.5 |
| Orlando ...................................................... | 53.1 | 53.7 | 54.1 | 41.5 | 43.0 | 43.2 | 204.9 | 208.5 | 212.5 |
| Pensacola | 10.9 | 10.7 | 10.7 | 7.2 | 7.8 | 7.8 | 38.8 | 41.0 | 41.2 |
| Sarasota-Bradenton | 20.9 | 21.8 | 22.0 | 5.3 | 5.5 | 5.5 | 61.5 | 61.6 | 64.3 |
| Tallahassee ........................................................ | 5.1 | 5.0 | 5.0 | 4.2 | 4.4 | 4.4 | 30.5 | 30.2 | 30.8 |
| Tampa-St. Petersburg-Cleawater .............................. | 88.0 | 87.5 | 87.5 | 49.3 | 51.4 | 51.8 | 265.9 | 264.5 | 271.5 |
| West Palm Beach-Boca Raton .................................. | 31.5 | 31.3 | 32.2 | 16.7 | 17.0 | 17.3 | 115.9 | 115.9 | 120.4 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED
B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Finance, insurance, and real estate |  |  | Services |  |  | Government |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998 ${ }^{\text {P }}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998 ${ }^{\text {p }}$ | Noventer 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November $1999^{p}$ |
| Alabama | 84.6 | 87.1 | 87.2 | 435.9 | 442.5 | 443.8 | 351.9 | 352.9 | 353.9 |
| Birmingham | 34.6 | 36.3 | 36.3 | 139.4 | 141.2 | 141.8 | 69.3 | 69.3 | 69.6 |
| Huntsville | 4.7 | 4.7 | 4.7 | 46.4 | 48.3 | 49.1 | 38.8 | 37.7 | 37.8 |
| Mobile | 10.0 | 10.1 | 10.1 | 60.5 | 61.7 | 61.8 | 34.9 | 35.7 | 35.9 |
| Montgomery | 9.2 | 9.4 | 9.5 | 41.7 | 42.3 | 42.3 | 37.0 | 37.2 | 37.3 |
| Tuscaloosa | 2.5 | 2.6 | 2.7 | 14.0 | 14.6 | 14.4 | 22.9 | 22.8 | 22.9 |
| Alaske | 12.1 | 12.5 | 12.3 | 64.3 | 67.6 | 66.6 | 74.2 | 74.8 | 74.7 |
| Anchorage | 7.2 | 7.3 | 7.3 | 35.3 | 36.6 | 36.4 | 28.6 | 29.1 | 29.3 |
| Arizone | 130.1 | 136.1 | 136.3 | 614.1 | 638.1 | 644.6 | 340.3 | 350.6 | 362.3 |
| Phoenix-Mesa | 109.7 | 117.3 | 117.5 | 448.2 | 465.7 | 472.3 | 183.0 | 187.9 | 197.4 |
| Tucson | 12.1 | 12.8 | 12.8 | 100.2 | 1020 | 102.6 | 74.4 | 74.2 | 75.1 |
| Arkansas | 44.3 | 44.1 | 44.1 | 258.0 | 266.8 | 265.3 | 188.0 | 191.7 | 192.5 |
| Fayetteville-Springdale-Rogers | 4.8 | 5.0 | 5.0 | 27.1 | 27.8 | 27.6 | 20.0 | 20.3 | 20.3 |
| Fort Smith | 3.1 | 3.1 | 3.1 | 24.3 | 25.4 | 25.4 | 9.8 | 10.0 | 10.0 |
| Little Rock-North Little Rock | 17.4 | 17.0 | 17.0 | 90.2 | 90.2 | 90.7 | 59.6 | 59.8 | 60.2 |
| Pine Blutf .......................... | 1.3 | 1.3 | 1.3 | 8.5 | 8.6 | 8.6 | 7.9 | 7.9 | 7.9 |
| Califomia | 764.9 | 787.7 | 788.7 | 4,133.7 | 4,293.1 | 4,303.7 | 2,190.9 | 2,217.6 | 2,234.7 |
| Bakerstield | 6.9 | 7.5 | 7.5 | 43.0 | 43.6 | 43.7 | 49.9 | 49.4 | 49.9 |
| Fresno | 13.7 | 13.4 | 13.4 | 72.0 | 72.3 | 72.0 | 65.7 | 67.9 | 67.6 |
| Los Angeles-Long Beach | 221.3 | 225.0 | 225.7 | 1,289.8 | 1,324.7 | 1,327.7 | 546.9 | 558.7 | 562.1 |
| Modesto | 4.6 | 45 | 4.5 | 32.3 | 33.8 | 33.7 | 25.3 | 24.9 | 25.5 |
| Oakland | 55.7 | 55.7 | 55.9 | 287.5 | 295.8 | 297.2 | 172.7 | 175.0 | 175.8 |
| Orange County | 92.4 | 96.6 | 95.5 | 375.9 | 388.6 | 398.1 | 137.9 | 139.5 | 140.8 |
| Riverside-San Bernardino | 30.6 | 31.6 | 318 | 226.9 | 235.7 | 237.8 | 175.6 | 178.5 | 179.5 |
| Sacramento | 42.1 | 43.7 | 43.8 | 174.5 | 180.0 | 181.7 | 170.4 | 170.7 | 171.5 |
| Salinas ... | 5.7 | 5.9 | 5.9 | 33.4 | 34.5 | 34.5 | 28.8 | 29.6 | 29.6 |
| San Diego | 61.8 | 62.5 | 62.6 | 344.3 | 358.1 | 359.0 | 197.6 | 198.2 | 200.6 |
| San Francisco | 103.2 | 1062 | 106.1 | 366.3 | 378.4 | 380.3 | 127.1 | 126.1 | 126.8 |
| San Jose | 31.0 | 31.5 | 31.6 | 309.1 | 319.3 | 318.8 | 89.8 | 91.2 | 91.5 |
| Santa Barbara-Santa Maria-Lompoc | 7.4 | 7.5 | 7.6 | 47.3 | 48.9 | 49.2 | 31.7 | 31.9 | 32.1 |
| Santa Rosa | 9.5 | 9.9 | 10.0 | 48.3 | 49.7 | 49.6 | 26.3 | 26.8 | 27.0 |
| Stockton-Lodi | 8.7 | 8.5 | 8.6 | 43.1 | 44.1 | 44.4 | 35.7 | 35.5 | 35.8 |
| Vallejo-Fairield-Napa | 6.2 | 6.4 | 6.4 | 40.7 | 43.4 | 42.6 | 31.2 | 31.9 | 32.7 |
| Ventura ................ | 13.5 | 14.4 | 14.5 | 73.0 | 76.9 | 77.2 | 44.1 | 44.2 | 45.2 |
| Colorado | 129.0 | 133.1 | 133.2 | 606.6 | 615.0 | 617.8 | 323.8 | 330.2 | 332.1 |
| Boulder-Longmont | 5.5 | 5.6 | 5.7 | 53.1 | 52.6 | 52.7 | 27.2 | 27.9 | 27.8 |
| Coiorado Springs ... | 11.7 | 12.2 | 12.0 | 72.4 | 75.1 | 75.5 | 35.3 | 35.5 | 35.9 |
| Denver | 85.5 | 89.2 | 89.1 | 329.8 | 337.7 | 339.3 | 148.1 | 149.1 | 149.7 |
| Connecticut | 132.6 | 135.7 | 135.9 | 509.7 | 519.8 | 521.6 | 233.2 | 230.0 | 233.0 |
| Bridgeport | 10.4 | 10.3 | 10.3 | 58.6 | 58.3 | 58.5 | 21.5 | 21.1 | 21.2 |
| Danbury | 4.7 | 5.1 | 5.1 | 24.8 | 25.5 | 25.4 | 10.5 | 10.4 | 10.6 |
| Hatford | 68.5 | 67.9 | 68.7 | 172.3 | 174.2 | 174.0 | 96.1 | 95.9 | 96.3 |
| New Haven-Meriden | 12.8 | 12.9 | 12.8 | 90.1 | 90.4 | 90.3 | 31.6 | 31.5 | 31.7 |
| Now London-Norwich | 3.7 | 3.9 | 3.9 | 34.2 | 35.0 | 34.8 | 36.0 | 36.6 | 36.5 |
| Stamiord-Norwalk | 24.9 | 26.5 | 26.7 | 74.2 | 75.9 | 76.2 | 18.3 | 17.8 | 18.0 |
| Waterbury ............. | 4.3 | 42 | 4.2 | 26.9 | 27.2 | 27.5 | 12.3 | 12.5 | 12.5 |
| Delaware | 48.0 | 49.6 | 49.7 | 109.8 | 114.0 | 114.8 | 54.6 | 54.5 | 55.4 |
| Dover. | 2.5 | 27 | 2.8 | 12.4 | 129 | 13.2 | 15.5 | 16.4 | 16.9 |
| Wilmington-Newark ................................... | 41.8 | 43.1 | 43.0 | 89.6 | 93.5 | 94.2 | 39.1 | 38.8 | 39.4 |
| District of Columbia | 28.3 | 28.8 | 28.8 | 268.4 | 274.5 | 274.2 | 228.5 | 223.9 | 224.5 |
| Washington PMSA .................................. | 133.9 | 135.5 | 135.3 | 964.7 | 1,005.6 | 1,008.6 | 594.6 | 597.7 | 600.4 |
| Florida | 419.5 | 431.5 | 433.5 | 2,318.0 | 2,421.2 | 2,438.0 | 967.7 | 983.8 | 991.1 |
| Daytona Beach | 6.5 | 6.6 | 6.6 | 52.4 | 53.6 | 53.9 | 23.8 | 24.2 | 24.2 |
| Fort Lauderdale | 45.8 | 46.7 | 46.9 | 222.5 | 230.8 | 232.0 | 84.6 | 85.3 | 85.5 |
| Fort Myers-Cape Coral | 9.1 | 9.2 | 9.3 | 47.3 | 47.7 | 48.0 | 25.4 | 26.3 | 26.3 |
| Gainesville | 5.1 | 5.4 | 5.4 | 33.1 | 34.3 | 34.2 | 39.7 | 39.3 | 39.6 |
| Jacksonville | 53.0 | 55.4 | 55.7 | 173.1 | 183.8 | 184.2 | 68.6 | 69.0 | 69.8 |
| Lakeland-Winter Haven | 7.8 | 8.3 | 8.3 | 47.1 | 48.5 | 48.7 | 25.7 | 25.9 | 26.1 |
| Melbourne-Titusville-Palm lay | 6.0 | 6.0 | 670 | 63.9 | 63.9 | 63.9 | 25.1 | 25.5 | 25.4 |
| Miami | 68.3 | 67.4 | 67.8 | 315.7 | 324.8 | 326.6 | 137.7 | 139.8 | 142.6 |
| Orlando | 47.1 | 48.9 | 49.2 | 336.4 | 352.4 | 354.9 | 86.3 | 89.3 | 89.6 |
| Pensacola | 6.1 | 6.5 | 6.5 | 49.9 | 50.9 | 51.0 | 29.1 | 28.9 | 29.0 |
| Sarasota-Bradenton | 11.6 | 11.9 | 12.0 | 125.7 | 135.9 | 138.1 | 24.2 | 23.5 | 23.8 |
| Tallahassee | 5.7 | 5.8 | 5.8 | 38.6 | 39.8 | 39.7 | 58.9 | 59.8 | 60.2 |
| Tampa-St. Petersburg-Clearwater | 77.5 | 81.5 | 81.5 | 423.2 | 4495 | 452.1 | 134.7 | 137.2 | 138.0 |
| West Palm Beach-Boca Raton .................................. | 30.6 | 31.4 | 31.4 | 174.5 | 180.5 | 184.5 | 54.8 | 54.9 | 55.6 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(in thousands)

| State and area | Total |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998 ${ }^{\text {P }}$ | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | Novermber $1998^{p}$ | Novernber 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November $1999^{\circ}$ |
| Georgia | 3.707 .2 | 3,777.5 | 3,806.8 | ${ }^{8.1}$ | ${ }^{8.7}$ | ${ }^{8.8}$ | 175.7 | 185.1 | 185.5 |
| Albany | 60.7 | 60.4 | 60.7 | $\binom{2}{1}$ | $\binom{2}{1}$ | $\binom{2}{1}$ | 3.8 | 3.9 | 3.8 |
| Athens | 73.5 | 75.2 | 75.8 | (1) | (1) | $\left({ }^{1}\right)$ | 2.6 | 2.6 | 2.5 |
| Atlanta | 2,014.0 | 2,054.7 | 2,069.8 | 1.6 | 1.7 | 1.7 | 98.5 | 103.4 | 103.4 |
| Augusta-Aiken | 194.1 | 196.5 | 197.7 | (1). 4 | ${ }^{1} .4$ | 1.4 | 11.1 | 11.3 | 11.4 |
| Columbus ...... | 116.6 | 117.7 | 118.8 | (') | (1) | ( ${ }^{1}$ ) | 5.3 | 5.5 | 5.5 |
| Macon .... | 151.1 | 152.6 | 153.0 | (1) 1.2 | $1^{1.3}$ | 1.3 | 6.3 | 6.8 | 6.8 |
| Savannah | 134.0 | 134.4 | 136.0 | (1) | (') | (') | 7.6 | 7.7 | 8.1 |
| Hawali | 535.5 | 523.3 | 526.9 | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ | 22.6 | 20.6 | 20.3 |
| Honolulu | 406.0 | 395.6 | 398.2 | (1) | (') | (1) | 17.4 | 15.8 | 15.5 |
| Idaho | 518.5 | 530.0 | 529.1 | ${ }^{3.0}$ | 3.1 | ${ }^{1} 3.1$ | 33.3 | 34.4 | 33.5 |
| Boise City | 199.1 | 202.4 | 203.4 | ( ${ }^{1}$ | (1) | ( ${ }^{1}$ | 13.7 | 13.4 | 13.4 |
| Illinois | 5,882.6 | 5,935.4 | 5,943.9 | 11.9 | 11.6 | 11.4 | 250.1 | 260.0 | 252.1 |
| Btoomington-Normal | 81.3 | 83.6 | 83.9 | $\binom{1}{1}$ | $\left(\begin{array}{l}1 \\ 1 \\ 1\end{array}\right)$ | (1) | 2.7 | 2.9 | 2.8 |
| Champaign-Urbana | 100.3 | 100.2 | 100.7 | ( ${ }^{1}$ ) | (') | (') | 3.3 | 3.5 | 3.4 |
| Chicago | 4,108.6 | 4,144.1 | 4,155.0 | $1^{1.7}$ | $\left.{ }^{1}\right)^{1.8}$ | ${ }^{1} 1.8$ | 167.1 | 173.1 | 168.6 |
| Davenport-Moline-Rock Island | 184.0 | 183.4 | 184.1 | ( ${ }^{1}$ ) | $\binom{1}{1}$ | $\binom{1}{1}$ | 10.2 | 10.4 | 10.1 |
| Decatur ................................ | 57.2 | 57.6 | 57.8 | (') | $\binom{1}{1}$ | (1) | 3.7 | 4.1 | 4.0 |
| Kankakee | 44.2 | 43.4 | 43.9 | $\binom{1}{1}$ | (1) | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | 2.1 | 2.2 | 2.1 |
| Peoria-Pekin | 176.4 | 174.7 | 174.7 | (1) | (1) | $(1)$ | 8.7 | 8.5 | 8.2 |
| Rockiord | 180.0 | 178.6 | 176.7 | (1) | (1) | (1) | 7.1 | 7.1 | 7.0 |
| Springtield | 114.3 | 113.6 | 114.0 | (1) | ( ${ }^{\prime}$ | (') | 5.3 | 5.3 | 5.1 |
| Indiana | 2,913.1 | 2,920.7 | 2,921.4 | 6.8 | 6.7 | 6.7 | 145.5 | 146.1 | 142.8 |
| Bloomington | 67.2 | 66.4 | 66.8 | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ | 3.3 | 3.2 | 3.2 |
| Elkhart-Goshen | 116.7 | 118.1 | 118.5 | (') | ( ${ }^{1}$ ) | (1) | 4.9 | 5.0 | 5.0 |
| Evansville-Henderson | 155.5 | 155.3 | 155.2 | 1.4 | 1.3 | 1.3 | 10.0 | 10.3 | 10.4 |
| Fort Wayne | 271.3 | 272.1 | 272.2 | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ | 13.4 | 14.6 | 14.2 |
| Gary ....... | 266.0 | 268.0 | 268.6 | (1) | (1) | (1) | 17.8 | 17.4 | 17.8 |
| Indianapolis | 844.3 | 859.7 | 863.8 | (1) 8 | (1) 8 | (1) . 8 | 48.2 | 51.1 | 50.6 |
| Kokomo | 53.4 | 54.6 | 54.8 | (1) | $\binom{1}{1}$ | $\binom{1}{1}$ | 2.3 | 2.7 | 2.7 |
| Latayette | 95.6 | 96.6 | 96.8 | $(1)$ | $\binom{1}{1}$ | $\binom{1}{1}$ | 3.9 | 4.2 | 4.1 |
| Muncie . | 61.6 | 60.8 | 61.6 | (1) | (1) | $\binom{1}{1}$ | 2.3 | 2.3 | 2.2 |
| South Bend | 134.7 | 137.1 | 137.1 | (1) | (1) | (1) | 7.7 | 7.1 | 7.0 |
| Terre Haute | 69.7 | 69.2 | 69.1 | . 2 | . 3 | . 3 | 3.4 | 3.7 | 3.3 |
| lowa | 1,434.3 | 1,459.5 | 1,462.0 | ${ }^{2} 2.2$ | ${ }^{2.2}$ | ${ }^{2.1}$ | 63.3 | 67.1 | 64.7 |
| Cedar Rapids | 115.9 | 114.9 | 115.8 | $\binom{1}{1}$ | $\binom{1}{1}$ | $\left(\begin{array}{l}1 \\ 1 \\ 1\end{array}\right)$ | 6.1 | 6.2 | 6.3 |
| Des Moines. | 272.4 | 274.2 | 276.2 | $(1)$ | $\binom{1}{1}$ | $\binom{1}{1}$ | 12.4 | 13.0 | 12.6 |
| Dubuque | 52.2 | 52.3 | 52.8 | (1) | (1) | (1) | 2.0 | 2.1 | 2.0 |
| lowa City | 68.2 | 66.7 | 67.6 | (1) | (1) | $\binom{1}{1}$ | 2.2 | 2.7 | 2.7 |
| Sioux City ........... | 66.4 | 66.5 | 66.4 | (1) | $(1)$ | (1) | 4.2 | 4.2 | 4.0 |
| Waterloo-Cedar Falls | 73.6 | 74.3 | 74.7 | (1) | ( ${ }^{1}$ | (') | 2.8 | 2.9 | 2.8 |
| Kansas | 1,296.4 | 1,320.9 | 1,328.8 | ${ }^{8.3}$ | 7.9 | 7.9 | 60.4 | 64.3 | 63.0 |
| Lawrence | 48.7 | 49.3 | 50.1 | $\binom{1}{1}$ | $\binom{1}{1}$ | $\binom{1}{1}$ | 2.1 | 2.2 | 2.3 |
| Topeka | 100.3 | 100.1 | 100.5 | ( ${ }^{1}$ | ( ${ }^{1}$ | ( ${ }^{1}$ | 4.7 | 5.0 | 5.0 |
| Wichita | 280.9 | 285.7 | 286.4 | 1.4 | 1.4 | 1.4 | 14.4 | 14.7 | 14.5 |
| Kentucky | 1,745.2 | 1,770.7 | 1.776 .8 | 22.7 | 22.1 | 22.3 | 84.6 | 90.4 | 88.4 |
| Lexington | 278.2 | 283.9 | 284.7 | . 3 | 2 | 2 | 13.3 | 13.9 | 13.8 |
| Louisville. | 561.1 | 575.3 | 578.9 | . 5 | 6 | . 6 | 30.2 | 31.8 | 31.6 |
| Owensboro ................. | 43.9 | 44.6 | 44.9 | . 3 | . 3 | .3 | 3.5 | 3.7 | 3.8 |
| Louisiana | 1,878.8 | 1,895.0 | 1,901.5 | 55.6 | 53.4 | 53.3 | 117.7 | 125.7 | 126.0 |
| Alexandria | 54.2 | 55.4 | 55.7 | . 1 | . 1 | . 1 | 3.3 | 3.5 | 3.5 |
| Baton Rouge | 287.1 | 296.2 | 296.8 | . 9 | 1.0 | 1.0 | 31.7 | 35.4 | 35.0 |
| Houma | 76.4 | 77.7 | 77.6 | 7.6 | 6.8 | 6.8 | 3.7 | 3.9 | 3.9 |
| Lafayette | 164.2 | 166.9 | 168.1 | 15.8 | 15.4 | 15.4 | 10.0 | 10.7 | 10.7 |
| Lake Charles | 86.4 | 86.2 | 86.2 | 1.3 | 1.3 | 1.3 | 10.4 | 10.3 | 10.1 |
| Monroe | 69.1 | 69.0 | 69.1 | . 2 | 2 | . 2 | 3.6 | 3.5 | 3.5 |
| New Orleans | 622.2 | 622.4 | 624.4 | 15.4 | 15.6 | 15.6 | 30.9 | 31.8 | 32.2 |
| Shreveport-Bossier City .............. | 172.5 | 176.7 | 176.6 | 2.5 | 26 | 2.6 | 9.7 | 10.9 | 10.6 |
| Maine | 569.9 | 579.9 | 579.5 | . 1 | . 1 | . 1 | 26.3 | 28.0 | 27.5 |
| Lewiston-Auburn | 43.6 | 43.4 | 43.7 | $\left(\begin{array}{l}2 \\ \text { ) }\end{array}\right.$ | $\binom{2}{2}$ | $\binom{2}{2}$ | 1.9 | 1.7 | 1.7 |
| Portand ............ | 144.9 | 142.1 | 143.6 | $(2)$ | $(2)$ | (2) | 7.1 | 8.2 | 7.4 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT NOT SEASONALLY ADJUSTED

B-14. Employees on nonfarm payrolls in States and selected areas by major industry — Continued
(In thousands)

| State and area | Manufacturing |  |  | Transportation and public utilities |  |  | Wholesale and retail trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | Novermber 1998p | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998P | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November $199{ }^{\circ}{ }^{P}$ |
| Georgia | 591.0 | 594.4 | 595.0 | 236.8 | 245.7 | 245.9 | 945.3 | 942.5 | 961.8 |
| Abany | 9.2 | 8.6 | 8.7 | 3.0 | 3.2 | 3.2 | 14.5 | 14.3 | 14.5 |
| Athens | 11.5 | 11.7 | 11.8 | 1.8 | 1.8 | 1.8 | 18.4 | 18.7 | 19.3 |
| Atlanta | 221.2 | 221.6 | 221.9 | 168.4 | 174.3 | 174.5 | 537.9 | 537.2 | 547.3 |
| Augusta-Aiken ................................................................ | 40.9 | 41.8 | 41.9 | 6.7 | 6.6 | 6.7 | 43.4 | 43.3 | 43.9 |
| Columbus ..................................................... | 21.6 | 20.9 | 20.8 | 4.0 | 4.1 | 4.1 | 27.2 | 27.4 | 28.2 |
| Macon | 20.6 | 20.3 | 20.2 | 5.3 | 5.4 | 5.4 | 35.4 | 33.6 | 34.1 |
| Savannah | 18.2 | 18.8 | 18.6 | 9.9 | 9.6 | 9.5 | 34.1 | 34.2 | 35.3 |
| Howaii | 16.5 | 15.9 | 15.9 | 41.5 | 40.4 | 40.1 | 135.4 | 131.0 | 132.2 |
| Honolulu | 12.6 | 12.1 | 12.0 | 33.3 | 32.4 | 32.1 | 100.6 | 96.8 | 97.7 |
| Idaho | 76.1 | 76.6 | 76.3 | 24.6 | 25.2 | 25.4 | 131.3 | 132.2 | 134.4 |
| Boise City | 35.7 | 37.0 | 37.2 | 9.8 | 10.0 | 9.9 | 47.8 | 47.1 | 47.7 |
| Minols | 980.9 | 978.0 | 975.3 | 343.7 | 346.0 | 347.1 | 1,354.6 | 1,344.2 | 1,365.4 |
| Bloomington-Normal | 8.8 | 8.8 | 8.8 | 3.0 | 2.9 | 2.9 | 17.7 | 17.9 | 18.3 |
| Champaign-Urbana | 11.8 | 11.4 | 11.3 | 2.8 | 2.7 | 2.7 | 22.2 | 21.8 | 22.1 |
| Chicago | 661.8 | 662.4 | 661.6 | 254.4 | 254.1 | 255.0 | 939.3 | 928.6 | 943.6 |
| Davenpor-Moline-Rock Island | 31.2 | 31.7 | 31.5 | 9.9 | 10.0 | 10.0 | 48.9 | 47.9 | 48.7 |
| Decatur | 13.5 | 13.5 | 13.6 | 5.0 | 5.0 | 5.0 | 12.7 | 12.5 | 12.6 |
| Kankakee | 8.4 | 8.0 | 8.2 | 2.1 | 2.1 | 2.2 | 11.3 | 11.0 | 11.2 |
| Peoria-Pekin | 32.5 | 33.0 | 33.0 | 9.7 | 9.8 | 9.8 | 42.6 | 42.4 | 42.5 |
| Rocktord | 53.6 | 53.4 | 51.5 | 9.8 | 9.7 | 9.7 | 38.1 | 37.2 | 37.7 |
| Springfield ............................................................. | 4.5 | 4.5 | 4.5 | 4.8 | 4.8 | 4.8 | 24.7 | 24.4 | 24.8 |
| Indiana | 678.8 | 681.8 | 681.5 | 141.8 | 143.1 | 143.0 | 696.2 | 688.1 | 695.7 |
| Bloomington ... | 10.4 | 10.7 | 10.7 | 1.9 | 1.8 | 1.8 | 15.7 | 15.6 | 16.1 |
| Elkhart-Goshen. | 58.6 | 59.5 | 59.8 | 2.9 | 2.8 | 2.8 | 22.4 | 22.5 | 22.6 |
| Evansville-Henderson | 31.8 | 31.7 | 31.8 | 7.0 | 7.1 | 7.1 | 39.1 | 38.2 | 38.5 |
| Fort Wayne | 74.3 | 73.4 | 73.6 | 13.0 | 12.7 | 12.7 | 66.0 | 65.3 | 65.9 |
| Gary .......... | 49.8 | 49.4 | 48.9 | 15.3 | 15.5 | 15.3 | 64.7 | 64.6 | 65.5 |
| Indianapolis | 127.7 | 126.9 | 126.6 | 51.3 | 52.6 | 52.6 | 222.3 | 220.1 | 223.3 |
| Kokormo | 21.3 | 21.2 | 21.4 | 1.2 | 1.2 | 1.2 | 11.5 | 11.5 | 11.6 |
| Lafayette | 22.2 | 22.1 | 22.1 | 2.3 | 2.3 | 2.3 | 19.8 | 19.5 | 20.0 |
| Muncie | 10.7 | 9.7 | 9.8 | 3.5 | 3.5 | 3.6 | 14.5 | 14.0 | 14.5 |
| South Bend | 22.4 | 23.0 | 22.9 | 5.5 | 5.8 | 5.6 | 34.2 | 34.1 | 34.2 |
| Terre Haute ......................................................... | 11.9 | 12.2 | 12.3 | 2.8 | 2.7 | 2.6 | 20.0 | 19.3 | 19.6 |
| lowa | 257.2 | 260.0 | 260.3 | 66.7 | 69.6 | 69.6 | 352.7 | 352.0 | 355.5 |
| Cedar Rapids | 22.1 | 22.3 | 22.5 | 8.0 | 7.7 | 7.6 | 26.2 | 25.3 | 25.7 |
| Des Moines | 25.4 | 25.4 | 25.3 | 13.6 | 14.0 | 14.0 | 71.2 | 69.9 | 71.6 |
| Dubuque | 12.0 | 11.9 | 11.9 | 2.1 | 21 | 2.1 | 12.4 | 12.4 | 12.7 |
| lowa City | 4.9 | 4.9 | 5.0 | 2.2 | 2.2 | 2.2 | 13.7 | 12.7 | 12.5 |
| Sioux City | 13.2 | 13.2 | 13.2 | 3.8 | 3.8 | 3.7 | 16.0 | 15.8 | 16.0 |
| Waterioo-Cedar Falls ................................................ | 14.8 | 14.7 | 14.5 | 2.3 | 2.4 | 2.4 | 17.2 | 17.2 | 17.6 |
| Kansas ... | 208.4 | 212.4 | 212.6 | 72.9 | 75.2 | 75.4 | 317.2 | 323.1 | 326.3 |
| Lawrence | 5.3 | 5.3 | 5.3 | 1.4 | 1.3 | 1.3 | 12.4 | 12.2 | 12.4 |
| Topeka | 9.6 | 9.6 | 9.7 | 6.3 | 6.2 | 6.1 | 21.8 | 21.4 | 21.9 |
| Wichita | 72.1 | 74.1 | 74.4 | 11.0 | 11.3 | 11.3 | 62.6 | 63.1 | 63.6 |
| Kentucky | 316.1 | 316.2 | 315.0 | 100.4 | 103.3 | 103.7 | 422.6 | 420.6 | 429.8 |
| Lexington | 47.6 | 49.9 | 49.2 | 11.1 | 11.0 | 11.1 | 63.8 | 64.6 | 66.1 |
| Louisville .................. | 88.1 | 89.5 | 89.6 | 43.1 | 44.7 | 44.9 | 140.1 | 140.7 | 144.2 |
| Owensboro ............................................................ | 7.0 | 7.2 | 7.2 | 2.2 | 24 | 2.4 | 11.3 | 11.1 | 11.3 |
| Louisians ..................................................................... | 192.2 | 190.2 | 191.6 | 112.1 | 114.6 | 114.9 | 440.5 | 438.6 | 443.5 |
| Alexandria | 3.4 | 3.6 | 3.6 | 2.7 | 27 | 2.7 | 12.6 | 13.1 | 13.2 |
| Baton Rouge | 25.0 | 24.8 | 25.2 | 12.4 | 13.1 | 13.2 | 68.1 | 70.0 | 71.2 |
| Houma | 7.7 | 8.0 | 7.8 | 8.0 | 8.7 | 8.8 | 17.6 | 17.7 | 17.8 |
| Lafayette | 14.9 | 14.8 | 15.0 | 10.2 | 10.3 | 10.4 | 42.5 | 42.8 | 43.3 |
| Lake Charles | 11.8 | 11.7 | 11.7 | 4.5 | 4.5 | 4.4 | 18.5 | 18.8 | 19.0 |
| Monroe | 7.9 | 7.9 | 7.8 | 3.7 | 3.5 | 3.5 | 17.4 | 17.5 | 17.7 |
| Now Orleans | 49.5 | 49.0 | 49.4 | 42.7 | 42.1 | 41.9 | 153.3 | 151.8 | 153.2 |
| Shrevepor-Bossier City ......................................... | 19.3 | 19.5 | 19.4 | 8.4 | 8.6 | 8.6 | 40.1 | 40.7 | 41.0 |
| Malne ................................................................ | 89.2 | 87.0 | 87.5 | 23.6 | 24.3 | 24.1 | 145.3 | 146.3 | 147.3 |
| Lewiston-Auburn. | 7.9 | 8.0 | 7.8 | 1.8 | 1.8 | 1.8 | 11.5 | 11.2 | 11.5 |
| Portand ............................................................ | 15.2 | 15.1 | 14.9 | 6.4 | 6.6 | 6.2 | 44.6 | 41.6 | 43.1 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Finance, insurance. and real estate |  |  | Services |  |  | Government |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{gathered} \text { Octaber } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 1998^{P} \end{aligned}$ | $\begin{aligned} & \text { November } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998P | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 1998 P^{\circ} \end{aligned}$ |
| Georgla | 190.9 | 197.6 | 198.3 | 970.5 | 1,003.3 | 1,010.0 | 588.9 | 600.2 | 601.5 |
| Albany | 2.1 | 2.2 | 2.2 | 15.6 | 15.6 | 15.5 | 12.5 | 12.6 | 12.8 |
| Athens | 2.2 | 2.2 | 2.2 | 15.9 | 15.3 | 15.2 | 21.1 | 22.9 | 23.0 |
| Atlanta | 130.3 | 133.2 | 133.2 | 597.7 | 618.2 | 621.9 | 258.4 | 265.1 | 265.9 |
| Augusta-Aiken ..................................................................................... | 6.1 | 5.9 | 5.8 | 45.5 | 46.9 | 47.4 | 40.0 | 40.3 | 40.2 |
| Columbus ......... | 8.1 | 8.7 | 8.7 | 30.1 | 30.8 | 30.9 | 20.3 | 20.3 | 20.6 |
| Macon | 8.7 | 9.8 | 9.8 | 40.3 | 41.3 | 41.4 | 33.3 | 34.1 | 34.0 |
| Savannah | 4.3 | 4.3 | 4.3 | 39.1 | 39.0 | 39.3 | 20.8 | 20.8 | 20.9 |
| Hewell | 35.8 | 35.0 | 34.8 | 170.5 | 169.1 | 170.1 | 113.2 | 111.3 | 113.5 |
| Honolutu ..................................................................................................... | 28.6 | 28.0 | 27.8 | 122.6 | 121.2 | 121.9 | 90.9 | 89.3 | 91.2 |
| Idaho | 25.8 | 26.8 | 26.7 | 122.5 | 125.9 | 124.6 | 101.9 | 105.8 | 105.1 |
| Boise City ........................................................... | 11.5 | 12.1 | 12.1 | 50.0 | 50.9 | 51.0 | 30.6 | 31.9 | 32.1 |
| Illinois | 403.0 | 411.9 | 412.2 | 1,713.5 | 1,761.7 | 1,755.1 | 824.9 | 822.0 | 825.3 |
| Bloomington-Normal | 14.1 | 15.6 | 15.6 | 20.4 | 20.5 | 20.3 | 14.6 | 15.0 | 15.2 |
| Champaign-Uibana | 3.7 | 38 | 3.8 | 21.3 | 21.6 | 21.5 | 35.2 | 35.4 | 35.9 |
| Chicago ............... | 313.7 | 322.0 | 322.1 | 1,278.2 | 1,314.9 | 1,313.0 | 492.4 | 487.2 | 489.3 |
| Davenport-Moline-Rock Island .................................... | 8.2 | 8.3 | 8.3 | 47.5 | 48.2 | 47.9 | 28.1 | 26.9 | 27.6 |
| Decatur .............................................................. | 2.0 | 2.1 | 2.0 | 13.5 | 13.8 | 13.9 | 6.8 | 6.6 | 6.7 |
| Kankakeo | 1.7 | 1.7 | 1.7 | 11.5 | 11.7 | 11.7 | 7.1 | 6.7 | 6.8 |
| Peoria-Pekin | 7.9 | 8.0 | 8.0 | 54.0 | 53.6 | 53.4 | 21.0 | 19.4 | 19.8 |
| Rockford ...... | 7.6 | 7.5 | 7.4 | 46.4 | 46.3 | 45.9 | 17.4 | 17.4 | 17.5 |
| Springfield ............................................................... | 7.9 | 7.8 | 7.8 | 33.0 | 33.2 | 33.2 | 34.1 | 33.6 | 33.8 |
| Indiana | 139.5 | 142.7 | 142.9 | 700.3 | 706.8 | 703.2 | 404.2 | 405.4 | 405.6 |
| Bloomington. | 2.1 | 2.2 | 2.2 | 12.2 | 11.9 | 11.9 | 21.6 | 21.0 | 20.9 |
| Elkhart-Goshen | 3.1 | 3.3 | 3.3 | 17.9 | 18.0 | 18.1 | 6.9 | 7.0 | 6.9 |
| Evansville-Henderson ............................................ | 7.4 | 7.8 | 7.8 | 43.7 | 43.8 | 43.2 | 15.1 | 15.1 | 15.1 |
| Fort Wayne .............. | 14.8 | 14.5 | 14.4 | 62.2 | 63.1 | 62.9 | 27.6 | 28.5 | 28.5 |
| Gary ........ | 9.4 | 9.4 | 9.4 | 71.9 | 73.5 | 73.5 | 37.1 | 38.2 | 38.2 |
| Indianapolis | 63.3 | 66.5 | 66.5 | 227.4 | 234.9 | 236.6 | 103.3 | 106.8 | 106.8 |
| Kokomo | 1.6 | 1.5 | 1. | 8.6 | 9.2 | 9.2 | 24.2 | 25. | 7.2 |
| Latayette. | 3.9 | 4.3 | 4.3 1.9 | 19.3 165 | 19.0 173 | 19.1 174 | 24.2 12.3 | 25.2 12.1 | 24.9 12.2 |
| Muncie ....... | 1.8 6.3 | 1.9 6.3 | 1.9 | 16.5 44.5 | 17.3 46.8 | 17.4 47.2 | 12.3 14.1 | 12.1 14.0 | 12.2 14.1 |
| South Bend Terre Haute | 6.3 2.3 | 6.3 2.3 | 6.1 2.3 | 44.5 16.8 | 46.8 16.6 | 47.2 16.7 | 14.1 12.3 | 14.0 12.1 | 14.1 12.0 |
| lowa | 80.3 | 82.2 | 82.2 | 370.9 | 383.0 | 383.0 | 241.0 | 243.4 | 244.6 |
| Cedar Rapids | 6.2 | 6.4 | 6.4 | 35.8 | 35.4 | 35.7 | 11.5 | 11.6 | 11.6 |
| Des Moines | 37.9 | 38.9 | 39.0 | 77.7 | 79.9 | 80.1 | 34.2 | 33.1 | 33.6 |
| Dubuque . | 1.7 | 1.8 | 1.9 | 18.2 | 18.1 | 18.3 | 3.8 | 3.9 | 3.9 |
| lowa City .... | 1.9 | 2.1 | 2.1 | 14.4 | 14.1 | 14.6 | 28.9 | 28.0 | 28.5 |
| Sioux City . | 2.6 | 2.6 | 2.6 | 18.9 | 19.3 | 19.2 | 7.7 | 7.6 | 7.7 |
| Waterloo-Cedar Falls .............................................. | 3.3 | 3.2 | 3.2 | 19.9 | 20.7 | 20.9 | 13.3 | 13.2 | 13.3 |
| Kansas | 60.8 | 60.8 | 60.9 | 324.5 | 331.6 | 339.9 | 243.9 | 245.6 | 248.8 |
| Lawrence | 2.0 | 2.1 | 2.1 | 11.4 | 12.1 | 12.2 | 14.1 | 14.1 | 14.5 |
| Topeka ................................................................ | 6.8 | 6.8 | 6.7 | 28.7 | 29.0 | 28.9 | 22.4 | 22.1 | 22.2 |
| Wichita ............................................................... | 11.0 | 11.3 | 11.3 | 74.1 | 75.3 | 75.1 | 34.3 | 34.5 | 34.8 |
| Kentucky ............................................................. | 70.5 | 71.2 | 71.1 | 431.5 | 447.4 | 445.5 | 296.8 | 299.5 | 301.0 |
| Lexington .. | 10.4 | 10.3 | 10.3 | 74.0 | 76.7 | 76.4 | 57.7 | 57.3 | 57.6 |
| Louisville | 29.1 | 29.5 | 29.6 | 160.4 | 168.1 | 167.6 | 69.6 | 70.4 | 70.8 |
| Owensboro ............................................ | 1.7 | 1.8 | 1.8 | 10.6 | 10.8 | 10.7 | 7.3 | 7.3 | 7.4 |
| Louisiana | 86.4 | 86.3 | 86.5 | 504.9 | 512.8 | 512.6 | 369.4 | 373.4 | 373.1 |
| Alexandria | 2.2 | 2.3 | 2.3 | 16.7 | 16.7 | 16.7 | 13.2 | 13.4 | 13.6 |
| Baton Rouge | 17.7 | 17.7 | 17.7 | 73.1 | 74.4 | 73.9 | 58.2 | 59.8 | 59.6 |
| Houma | 2.4 | 2.3 | 2.3 | 15.8 | 16.3 | 16.2 | 13.6 | 14.0 | 14.0 |
| Lafayette | 6.3 | 6.2 | 6.3 | 40.7 | 41.8 | 42.0 | 23.8 | 24.9 | 25.0 |
| Lake Charles | 2.6 | 2.5 | 2.5 | 24.1 | 23.6 | 23.6 | 13.2 | 13.5 | 13.6 |
| Monroe | 4.9 | 5.0 | 5.0 | 18.3 | 18.3 | 18.3 | 13.1 | 13.1 | 13.1 |
| New Orleans ...................................................... | 31.7 | 31.2 | 31.1 | 191.3 | 192.3 | 193.2 | 107.4 | 108.6 | 107.8 |
| Shreveport-Bossier City ................................................... | 6.6 | 6.6 | 6.6 | 52.9 | 54.6 | 54.6 | 33.0 | 33.2 | 33.2 |
| Malne .............................................................. | 28.8 | 31.0 | 31.0 | 158.9 | 168.2 | 165.3 | 97.7 | 95.0 | 96.7 |
| Lewiston-Auburn .............................................. | 2.1 | 2.3 | 2.3 | 13.4 | 13.5 | 13.6 | 5.0 | 4.9 | 5.0 |
| Portland ................................................................ | 12.4 | 12.7 | 13.0 | 40.3 | 40.2 | 40.3 | 18.9 | 17.7 | 18.7 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED
B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Total |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { November } \\ & 1998^{\mathrm{P}} \end{aligned}$ | November 1997 | October 1998 | $\begin{gathered} \text { November } \\ 1999^{p} \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 1997 \end{aligned}$ | October 1998 | November $1999^{9}$ |
| Marytand | 2,288.7 | 2,321.7 | 2,334.1 | 1.3 | 1.3 | 1.3 | 141.7 | 142.7 | 141.9 |
| Baltimore PMSA | 1,188.6 | 1,197.5 | 1,196.1 | 2 | . 2 | . 2 | 66.9 | 67.8 | 67.2 |
| Batimore City | 412.8 | 419.4 | 418.8 | (1) | (1) | (1) | 13.2 | 13.8 | 13.7 |
| Suburban Maryland-D.C. ......... | 847.3 | 861.4 | 863.0 | (1) | (1) | (1) | 60.2 | 62.9 | 62.8 |
| Massachusetts | 3,194.6 | 3,244.3 | 3.255 .8 |  | 1.5 | ${ }^{1.4}$ | 107.0 | 116.7 | 115.5 |
| Barnstable-Yarmouth | 55.8 | 59.7 | 57.6 | ( ${ }^{1}$ ) | (1) | (1) | 2.6 | 2.7 | 2.8 |
| Boston | 1,953.6 | 1,983.2 | 1,995.1 |  |  |  | 59.7 | 66.8 | 66.6 |
| Brockton | 98.3 | 99.1 | 100.0 | $\left({ }^{2}\right)$ | $\left(\begin{array}{l}2 \\ 2\end{array}\right.$ | $\left({ }^{2}\right)$ | 3.6 | 3.7 | 3.8 |
| Fitchburg-Leominster ... | 53.9 | 53.7 | 53.7 | (2) | (2) | $\left(\begin{array}{l}2 \\ 2\end{array}\right.$ | 1.9 | 2.0 | 2.0 |
| Lawrence ................... | 152.1 | 150.7 | 151.3 | $\left({ }^{2}\right)$ | $\left({ }^{2}\right)$ | (2) | 6.2 | 6.5 | 6.4 |
| Lowell .... | 119.9 | 121.5 | 122.2 | (1) | (1) | (1) | 5.0 | 5.2 | 5.1 |
| New Bediord ......................................................... | 65.5 | 65.7 | 66.3 | (2) |  |  | 2.4 | 2.4 | 2.4 |
| Pittsfield .............................................................. | 42.6 | 43.5 | 43.4 | 1 | .1 | . 1 | 1.8 | 1.8 | 1.8 |
| Springfield ............................................................. | 258.9 | 260.5 | 261.9 | . 1 | 1 | . 1 | 8.1 | 8.1 | 7.9 |
| Worcester | 228.9 | 229.4 | 230.5 | 2 | 2 | 2 | 7.7 | 7.8 | 7.6 |
| Michigan | 4.521 .9 | 4,609.5 | 4,615.8 | 7.6 | 7.6 | 7.7 | 190.0 | 200.6 | 195.3 |
| Ann Arbor | 274.0 | 279.4 | 279.9 | (1) | (1) | (1) | 10.6 | 11.6 | 11.1 |
| Benton Harbor | 73.1 | 73.8 | 74.2 | (1) | (1) | (1) | 2.6 | 2.9 | 2.8 |
| Detroit ............ | 2,120.6 | 2,158.4 | 2,170.2 | ${ }_{1} .8$ | ${ }^{1}$. 9 | (1). 9 | 85.5 | 93.5 | 91.6 |
| Flint | 183.6 | 183.7 | 184.7 | (1) | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | (1) | 7.5 | 8.6 | 8.6 |
| Grand Rapids-Muskegon-Holland | 563.8 | 582.5 | 583.6 63.5 | $(1)$ | (1) | $(1)$ | 25.0 | 27.7 | 27.2 |
| Jackson ............................... | 61.9 2137 | 63.1 | 63.5 2169 | $\left(\begin{array}{l}1 \\ 1 \\ 1\end{array}\right.$ | $\left(\begin{array}{l}1 \\ 1 \\ 1\end{array}\right)$ | $(1)$ | 2.5 | 2.7 | 2.7 |
| Kalamazoo-Battle Creek | 213.7 | 2165 | 216.9 | (1) | $(1)$ | (1) | 8.7 | 9.4 | 9.2 |
| Lansing-East Lansing, | 238.2 | 2391 | 240.1 | (1) | $(1)$ | (1) | 8.9 | 9.6 | 9.3 |
| Saginaw-Bay City-Midland ....................................... | 182.8 | 186.5 | 185.9 | (1) | (1) | (1) | 10.1 | 9.8 | 9.5 |
| Minnesota | 2.538 .5 | 2,590.0 | $2,594.5$ | 7.9 | 8.1 | 7.9 | 99.4 | 111.3 | 106.4 |
| Duluth-Superior | 112.5 | 114.4 | 14.5 | 4.9 | 4.9 | 4.8 | 4.6 | 5.2 | 5.0 |
| Minneapolis-St. Paul. | 1,652.7 | 1,683.4 | 1,693.0 | $\left(\begin{array}{l}2 \\ 1\end{array}\right.$ | $\left(\begin{array}{l}2 \\ 1\end{array}\right.$ | (2) | 62.6 | 68.6 | 66.6 |
| Rochester ........... | 74.8 | 77.2 | 77.1 | (1) | (1) | (1) | 3.0 | 3.4 | 3.3 |
| St. Cloud ................... | 86.9 | 87.7 | 88.4 | (1) | (1) | (1) | 4.2 | 4.7 | 4.5 |
| Missisalppl ........................................................................ | 1,122.0 | 1,133.6 | 1,132.9 | (2) 5.8 | (2) ${ }^{5.9}$ | (2) 5.7 | 51.9 11.4 | 56.5 12.3 | 57.0 |
| Jackson ........................................................................... | 222.6 | 228.6 | 228.2 | $\left({ }^{2}\right)$ | ( ${ }^{2}$ ) | (2) | 11.4 | 12.3 | 12.2 |
| Miseouri | 2,677.3 | 2.712 .8 | 2,715.5 | 4.8 | 5.0 | 5.1 | 126.2 | 132.9 | 131.0 |
| Kansas City | 936.3 | 957.0 | 958.5 | (1) | (1) | (1) | 48.3 | 52.2 | 50.6 |
| St. Lovis ..... | 1,307.1 | 1,318.1 | 1,324.5 | (1) | $(1)$ | (1) | 68.5 | 71.9 | 71.3 |
| Springfiekd .............................................................. | 163.4 | 165.6 | 165.9 | (1) | (1) | (1) | 6.5 | 6.7 | 6.7 |
| Montana | 372.0 | 376.6 | 374.8 | 5.5 | 5.5 | 5.4 | 19.8 | 19.9 | 18.9 |
| Nebraaka | 876.2 | 8880 | 889.3 | 1.3 | 1.4 | 1.4 | 40.7 | 43.0 | 41.9 |
| Lincoln | 149.5 | 150.0 | 149.9 | (1) | (1) | (1) | 7.0 | 7.5 | 7.2 |
| Omaha | 408.8 | 419.2 | 419.6 | (1) | (1) | (1) | 19.4 | 21.2 | 21.0 |
| Nevada | 912.4 | 951.5 | 956.9 | 14.5 | 13.8 | 13.6 | 84.6 | 91.1 | 90.6 |
| Las Vegas | 647.8 | 680.9 | 686.9 | 2.2 | 22 | 2.2 | 66.0 | 70.5 | 70.5 |
| Reno | 180.5 | 184.4 | 184.3 | . 6 | 5 | 5 | 12.5 | 14.3 | 14.0 |
| Now Hempehire | 577.2 | 577.2 | 574.7 | 5 | 4 | 4 | 21.9 | 22.9 | 22.6 |
| Manchester | 97.7 | 95.4 | 96.0 | (1) | (1) | (1) | 4.5 | 4.7 | 4.6 |
| Nashua ............................ | 94.3 | 93.8 | 94.0 | (1) | (1) | (1) | 3.1 | 3.4 | 3.4 |
| Portsmouth-Rochester .. | 114.9 | 113.5 | 113.1 | (1) | (1) | (1) | 3.4 | 3.2 | 3.2 |
| Now Jorsey ... | 3,789.9 | 3,840.3 | 3,855.0 |  |  |  | 137.1 | 144.9 | 144.0 |
| Atlantic-Cape May | 177.4 | 183.0 | 179.2 | (1) | (1) | (1) | 8.0 | 7.4 | 7.6 |
| Bergen-Passaic..... | 654.9 | 659.5 | 662.8 | (1) | (1) | (1) | 23.2 | 24.9 | 24.6 |
| Camden .......... | 479.2 | 490.3 | 494.1 | $(1)$ | (1) | (1) | 22.2 | 24.1 | 23.9 |
| Jersey City | 245.2 | 2465 | 248.9 | ( ${ }^{1}$ | (1) | (') | 4.8 | 4.7 | 4.7 |
| Middlesex-Somerset-Hunterdon ...... | 623.6 | 634.5 | 640.7 | (1) 5 | (1) 5 | (1) 5 | 19.7 | 20.7 | 21.0 |
| Monmouth-Ocean ......................... | 362.8 | 367.9 | 368.9 | (1) | (1) | ( ${ }^{1}$ ) | 18.5 | 19.4 | 19.0 |
| Nowark | 963.9 | 976.4 | 980.8 | $\left.{ }^{1}\right)^{8}$ |  |  | 33.1 | 35.3 | 34.3 |
|  | 200.7 | 199.1 | 199.8 | ( ${ }^{1}$ ) | ( ${ }^{1}$ ) | ( ${ }^{\prime}$ ) | 4.7 | 5.0 | 5.1 |
| Vineland-Milvville-Bridgeton ............................ | 59.8 | 60.3 | 60.2 | 3 | . 2 | . 2 | 2.2 | 2.3 | 2.3 |
| Now Mexico ............................................................ | 716.9 | 726.6 | 727.3 | 15.7 | 14.9 | 14.9 | 42.8 | 44.0 | 43.2 |
| Albuquerque | 337.6 | 341.5 | 3427 | (1) | (1) | (1) | 21.6 | 21.8 | 21.7 |
| Las Cruces | 52.4 | 53.2 | 53.6 | (1) | (1) | (1) | 3.1 | 3.3 | 3.2 |
| Santa Fe ........................................................ | 71.3 | 72.9 | 72.9 | ( ${ }^{\text {d }}$ | (1) | (') | 3.7 | 3.8 | 3.7 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Manufacturing |  |  | Transportation and public utilities |  |  | Wholesate and retail trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | Novermber 1998P | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998P | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { November } \\ 1999^{\circ} \end{gathered}$ |
| Meryland | 176.9 | 174.7 | 174.8 | 105.7 | 106.9 | 106.3 | 547.0 | 540.3 | 548.8 |
| Baltimore PMSA | 101.1 | 98.3 | 98.3 | 59.3 | 61.7 | 61.1 | 276.5 | 274.5 | 277.2 |
| Baltimore Cily | 31.5 | 30.3 | 30.5 | 20.5 | 22.1 | 21.9 | 65.3 | 64.5 | 64.8 |
| Suburban Maryland-D.C. ......................................... | 38.4 | 38.9 | 38.8 | 34.3 | 34.5 | 34.5 | 201.7 | 197.8 | 199.6 |
| Massachusetts ....................................................... | 453.4 | 447.4 | 446.6 | 138.4 | 138.8 | 138.4 | 733.9 | 735.1 | 742.9 |
| Barnstable-Yarmouth | 2.1 | 2.2 | 2.2 | 2.9 | 29 | 2.8 | 19.1 | 20.5 | 20.0 |
| Boston .................. | 225.4 | 221.9 | 221.0 | 84.5 | 85.4 | 85.2 | 429.6 | 427.4 | 435.6 |
| Brockton | 10.6 | 10.5 | 10.5 | 5.2 | 4.9 | 4.9 | 32.2 | 31.9 | 32.3 |
| Fitchburg-Leominster ........................................... | 13.8 | 13.3 | 13.2 | 2.2 | 2.0 | 2.0 | 12.6 | 12.5 | 12.7 |
| Lawrence ............................................................ | 38.9 | 36.6 | 36.6 | 4.9 | 4.9 | 4.9 | 35.4 | 34.7 | 35.2 |
| Lowell | 29.4 | 30.1 | 30.0 | 7.3 | 7.5 | 7.5 | 25.6 | 25.3 | 25.7 |
| Naw Bedford | 13.7 | 13.2 | 13.3 | 3.6 | 3.8 | 3.8 | 16.5 | 16.4 | 16.5 |
| Pitstield | 7.4 | 7.5 | 7.4 | 1.3 | 1.3 | 1.3 | 10.6 | 10.6 | 10.7 |
| Springfield | 39.4 | 39.2 | 39.4 | 10.4 | 10.6 | 10.7 | 59.9 | 59.1 | 59.8 |
| Worcester ............................................................. | 42.2 | 41.8 | 41.9 | 9.9 | 9.2 | 9.2 | 51.9 | 51.7 | 52.5 |
| Muchigan | 976.8 | 977.9 | 977.6 | 175.5 | 176.8 | 176.3 | 1,061.8 | 1,079.5 | 1,089.2 |
| Ann Arbor | 53.0 | 53.9 | 54.0 | 6.5 | 6.6 | 6.7 | 55.4 | 55.6 | 56.1 |
| Benton Harbor ................................................... | 20.1 | 20.1 | 20.1 | 3.0 | 3.0 | 3.0 | 16.3 | 16.4 | 16.7 |
| Detroit | 447.3 | 443.7 | 445.7 | 96.0 | 95.0 | 95.2 | 5002 | 510.5 | 517.6 |
| Flint | 40.9 | 39.5 | 39.6 | 5.5 | 5.6 | 5.5 | 46.5 | 46.2 | 47.1 |
| Grand Rapids-Muskegon-Holiand | 156.0 | 158.8 | 159.5 | 19.1 | 19.5 | 19.4 | 139.5 | 144.3 | 145.9 |
| Jackson | 12.9 | 13.0 | 13.2 | 3.5 | 3.5 | 3.5 | 15.8 | 16.1 | 16.3 |
| Kalamazoo-Battle Creek | 49.6 | 49.6 | 49.5 | 7.1 | 7.3 | 7.3 | 47.6 | 48.1 | 48.7 |
| Lansing-East Lansing .... | 30.3 | 29.0 | 29.0 | 6.1 | 6.0 | 6.0 | 53.4 | 53.4 | 54.3 |
| Saginaw-Bay City-Midland | 40.3 | 40.9 | 40.4 | 7.3 | 7.2 | 7.1 | 46.9 | 47.4 | 48.1 |
| Minnesota | 439.2 | 443.8 | 441.6 | 126.8 | 128.1 | 128.6 | 614.6 | 617.4 | 625.6 |
| Duluth-Superior | 8.4 | 8.7 | 8.6 | 7.2 | 7.6 | 7.6 | 28.5 | 28.6 | 28.9 |
| Minneapolis-St. Paul | 275.2 | 277.5 | 277.6 | 90.1 | 93.5 | 93.6 | 398.0 | 398.3 | 404.4 |
| Rochester | 12.6 | 13.7 | 13.6 | 2.2 | 2.2 | 2.1 | 15.0 | 14.9 | 15.2 |
| St. Cloud ....... | 15.5 | 15.6 | 15.6 | 3.0 | 3.1 | 3.2 | 26.2 | 26.1 | 26.6 |
| Misalsalppi | 242.7 | 240.2 | 239.9 | 54.3 | 53.6 156 | 52.9 | 240.9 | 239.9 | 241.3 |
| Jacks on ................................................... | 20.8 | 21.1 | 20.9 | 15.8 | 15.6 | 15.6 | 54.7 | 53.6 | 53.8 |
| Missouri | 422.2 | 420.7 | 420.0 | 164.2 | 166.2 | 166.1 | 637.2 | 642.3 | 648.5 |
| Kansas City | 107.5 | 109.2 | 109.1 | 76.6 | 80.0 | 80.2 | 231.9 | 232.5 | 235.1 |
| St. Louis ..... | 197.1 | 196.1 | 197.2 | 83.0 | 83.0 | 83.1 | 312.6 | 313.2 | 317.2 |
| Springfield ............................................................. | 23.9 | 23.7 | 23.6 | 10.5 | 10.4 | 10.5 | 46.3 | 46.6 | 46.9 |
| Montana | 24.7 | 24.6 | 24.4 | 21.7 | 21.5 | 21.6 | 99.6 | 100.3 | 100.4 |
| Nebraska | 117.3 | 118.3 | 118.0 | 54.5 | 56.8 | 56.9 | 215.6 | 217.3 | 218.8 |
| Lincoin | 17.6 | 17.9 | 17.7 | 9.6 | 10.3 | 10.3 | 31.2 | 31.1 | 31.3 |
| Omaha | 39.8 | 41.9 | 41.6 | 28.9 | 29.8 | 29.9 | 99.4 | 101.1 | 102.0 |
| Neveda | 41.2 | 43.1 | 42.9 | 47.0 | 48.2 | 48.5 | 184.9 | 190.2 | 193.5 |
| Las Vegas | 22.1 | 23.0 | 23.0 | 33.6 | 34.2 | 34.9 | 132.8 | 137.4 | 139.8 |
| Reno ................... | 13.6 | 14.4 | 14.4 | 11.7 | 11.7 | 11.6 | 41.6 | 41.6 | 42.1 |
| Now Hempshire | 107.7 | 104.9 | 104.6 | 19.6 | 19.6 | 19.3 | 151.6 | 151.3 | 151.6 |
| Manchester | 13.9 | 13.5 | 13.7 | 5.7 | 6.0 | 6.1 | 24.0 | 23.5 | 23.8 |
| Nashua | 27.9 | 27.3 | 27.2 | 2.4 | 2.3 | 2.3 | 23.0 | 22.8 | 23.0 |
| Portsmouth-Rochester ......................... | 19.7 | 19.2 | 19.1 | 4.2 | 3.9 | 3.8 | 30.5 | 30.5 | 30.4 |
| New Jersey ... | 486.6 | 478.9 | 477.4 | 261.8 | 266.5 | 266.5 | 891.7 | 898.3 | 909.4 |
| Atlantic-Cape May | 6.4 | 6.3 | 6.3 | 7.3 | 7.2 | 7.1 | 35.3 | 38.3 | 36.5 |
| Bergen-Passaic | 107.7 | 106.7 | 105.6 | 36.2 | 37.3 | 36.9 | 181.5 | 180.9 | 184.2 |
| Camden | 55.4 | 55.1 | 55.3 | 22.0 | 22.7 | 23.0 | 127.8 | 129.6 | 132.0 |
| Jersay City | 29.8 | 29.3 | 29.3 | 28.8 | 29.2 | 29.5 | 57.0 | 56.9 | 57.4 |
| Middlesex-Somerset-Hunterdon | 93.3 | 92.1 | 91.5 | 51.1 | 51.3 | 51.7 | 147.5 | 148.3 | 153.0 |
| Monmouth-Ocean ...................... | 20.8 | 19.7 | 19.7 | 21.2 | 21.4 | 21.2 | 100.1 | 101.0 | 102.5 |
| Nowark | 136.6 | 135.8 | 135.1 | 81.6 | 84.1 | 84.4 | 192.9 | 193.1 | 195.7 |
| Trenton .......................................................... | 19.5 | 17.7 | 17.7 | 7.5 | 7.5 | 7.4 | 33.9 | 33.2 | 34.0 |
| Vineland-Millville-Bridgeton ........................................ | 12.9 | 12.8 | 12.6 | 3.0 | 3.0 | 3.1 | 11.8 | 11.8 | 12.1 |
| New Mexico ............................................................. | 47.6 | 45.7 | 44.7 | 33.1 | 34.0 | 34.1 | 170.0 | 173.3 | 174.7 |
| Albuquerque | 30.2 | 28.7 | 28.6 | 16.1 | 16.6 | 16.7 | 82.6 | 83.8 | 84.9 |
| Las Cruces | 2.8 | 2.8 | 2.8 | 1.8 | 1.9 | 1.9 | 11.4 | 11.4 | 11.6 |
| Santa Fe | 2.0 | 2.0 | 2.0 | 1.2 | 1.3 | 1.3 | 15.4 | 15.5 | 15.5 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED
B-14. Employees on nonfarm payrolis in States and selected areas by major industry - Continued
(in thousands)

| State and area | Finance, insurance, and real estate |  |  | Services |  |  | Government |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { November } \\ 1999^{p} \end{gathered}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November $1998^{\circ}$ | November 1997 | $\begin{aligned} & \text { Octobor } \\ & 19988 \end{aligned}$ | November 1998 P |
| Maryland | 130.6 | 133.2 | 133.2 | 761.7 | 783.2 | 784.3 | 423.8 | 439.4 | 443.5 |
| Battimore PMSA | 72.8 | 73.6 | 73.7 | 397.3 | 406.7 | 402.5 | 214.5 | 214.7 | 215.9 |
| Batimore City ... | 33.4 | 34.6 | 34.7 | 159.7 | 161.0 | 159.8 | 89.2 | 93.1 | 93.4 |
| Suburban Maryland-D.C. ......................................... | 49.7 | 50.7 | 50.6 | 289.8 | 296.9 | 296.4 | 173.2 | 179.7 | 180.3 |
| Massachusetts | 214.6 | 218.5 | 219.5 | 1,130.3 | 1,168.1 | 1,169.6 | 415.6 | 418.2 | 421.9 |
| Barnstable-Yarmouth . | 3.1 | 3.4 | 3.3 | 18.7 | 20.4 | 18.8 | 7.3 | 7.6 | 7.7 |
| Boston ................... | 159.9 | 163.4 | 164.0 | 763.2 | 785.3 | 788.3 | 230.9 | 232.6 | 234.0 |
| Brockton | 3.3 | 3.3 | 3.4 | 26.5 | 27.6 | 27.8 | 16.9 | 17.2 | 17.3 |
| Fitchburg-Leominster . | 1.6 | 1.7 | 1.7 | 13.7 | 13.7 | 13.5 | 8.1 | 8.5 | 8.6 |
| Lawrence ......................................................... | 4.4 | 4.2 | 4.2 | 44.2 | 45.5 | 45.6 | 18.1 | 18.3 | 18.4 |
| Lowell | 3.9 | 3.8 | 3.8 | 33.0 | 33.8 | 34.1 | 15.7 | 15.8 | 16.0 |
| New Bedford | 1.8 | 1.8 | 1.8 | 17.1 | 17.9 | 18.0 | 10.4 | 10.2 | 10.5 |
| Pittsfield | 1.9 | 2.0 | 2.0 | 14.1 | 14.5 | 14.3 | 5.4 | 5.7 | 5.8 |
| Springtield | 12.7 | 13.1 | 13.1 | 80.9 | 82.7 | 82.6 | 47.4 | 47.6 | 48.3 |
| Worcester | 15.0 | 14.7 | 14.8 | 66.8 | 67.9 | 67.9 | 35.2 | 36.1 | 36.4 |
| Michigan . | 205.5 | 207.0 | 207.0 | 1,234.1 | 1,282.3 | 1,278.6 | 670.5 | 677.8 | 684.1 |
| Ann Arbor | 9.9 | 10.2 | 10.2 | 65.7 | 67.9 | 67.3 | 73.0 | 73.6 | 74.5 |
| Benton Harbor | 2.6 | 2.4 | 2.4 | 19.7 | 20.0 | 20.1 | 8.8 | 9.0 | 9.1 |
| Detroit ........... | 112.2 | 112.7 | 112.8 | 644.8 | 665.2 | 666.9 | 233.8 | 236.9 | 239.5 |
| Flint. | 6.5 | 6.6 | 6.5 | 51.3 | 52.5 | 52.6 | 25.4 | 24.7 | 24.8 |
| Grand Rapids-Muskegon-Holland | 22.4 | 23.1 | 23.0 | 145.9 | 150.7 | 150.0 | 56.0 | 58.4 | 58.6 |
| Jackson .................... | 1.9 | 1.9 | 1.9 | 14.8 | 15.2 | 15.1 | 10.5 | 10.7 | 10.8 |
| Kalamazoo-Battle Creek | 10.9 | 10.8 | 10.8 | 53.9 | 54.8 | 54.6 | 35.8 | 36.5 | 36.8 |
| Lansing-East Lansing | 13.8 | 14.2 | 14.2 | 57.4 | 58.9 | 58.9 | 68.4 | 68.0 | 68.4 |
| Saginaw-Bay City-Midland ........................................ | 6.9 | 6.9 | 6.9 | 48.7 | 51.1 | 50.8 | 22.6 | 23.2 | 23.1 |
| Minnesota | 148.0 | 153.2 | 153.6 | 709.1 | 735.3 | 732.8 | 393.5 | 392.8 | 398.0 |
| Duluth-Superior | 3.5 | 3.6 | 3.6 | 31.9 | 32.8 | 32.8 | 23.5 | 23.0 | 23.2 |
| Minneapolis-St. Paul | 116.2 | 118.4 | 118.6 | 479.6 | 494.4 | 494.3 | 230.4 | 232.1 | 237.3 |
| Rochester ......... | 2.3 | 2.4 | 2.4 | 32.6 | 33.7 | 33.5 | 7.1 | 6.9 | 7.0 |
| St. Cloud ........... | 3.0 | 3.2 | 3.2 | 21.8 | 22.2 | 22.5 | 13.2 | 12.8 | 12.8 |
| Mississippi | 40.9 | 41.7 | 41.9 | 262.3 | 266.1 | 264.8 | 223.2 | 229.7 | 229.4 |
| Jackson. | 15.7 | 16.6 | 16.7 | 58.6 | 61.8 | 61.1 | 44.6 | 46.7 | 47.0 |
| Mlissouri | 154.5 | 160.0 | 159.9 | 744.1 | 755.0 | 750.7 | 424.1 | 430.7 | 434.2 |
| Kansas City | 65.6 | 68.8 | 68.8 | 272.0 | 276.8 | 276.7 | 134.4 | 137.5 | 138.0 |
| St. Louis ..... | 79.8 | 81.6 | 81.5 | 408.9 | 417.5 | 415.9 | 157.2 | 154.8 | 158.3 |
| Springlield | 6.9 | 7.2 | 7.2 | 48.6 | 50.0 | 49.8 | 20.7 | 21.0 | 21.2 |
| Montana | 16.5 | 17.0 | 17.0 | 104.3 | 107.0 | 105.8 | 79.9 | 80.8 | 81.3 |
| Nebraska | 55.5 | 58.1 | 58.5 | 234.5 | 238.8 | 238.7 | 156.8 | 154.3 | 155.1 |
| Lincoin | 9.5 | 10.2 | 10.3 | 37.4 | 37.3 | 37.4 | 37.2 | 35.7 | 35.7 |
| Omaha | 35.4 | 36.7 | 36.9 | 133.7 | 138.5 | 138.5 | 52.2 | 50.0 | 49.7 |
| Neveda | 41.1 | 43.6 | 43.9 | 388.0 | 405.9 | 407.8 | 111.1 | 115.6 | 116.1 |
| Las Vegas | 31.0 | 32.8 | 33.0 | 291.0 | 3075 | 309.9 | 69.1 | 73.3 | 73.6 |
| Reno ................. | 8.2 | 8.6 | 8.7 | 68.4 | 69.0 | 68.6 | 23.9 | 24.3 | 24.4 |
| Now Hampshire | 29.3 | 29.7 | 29.8 | 165.1 | 167.1 | 164.2 | 81.5 | 81.3 | 82.2 |
| Manchester ... | 7.3 | 7.1 | 7.0 | 30.9 | 29.9 | 30.0 | 11.4 | 10.7 | 10.8 |
| Nashua . | 4.4 | 4.7 | 4.8 | 24.8 | 24.5 | 24.4 | 8.7 | 8.8 | 8.9 |
| Portsmouth-Rochester | 6.2 | 6.4 | 6.5 | 28.9 | 28.7 | 28.3 | 22.0 | 21.6 | 21.8 |
| Now Jersey | 240.6 | 246.3 | 246.3 | 1,191.9 | 1,230.6 | 1,231.4 | 578.2 | 572.8 | 578.0 |
| Atiantic-Cape May ................................................... | 6.4 | 6.4 | 6.2 | 85.2 | 87.9 | 86.0 | 28.8 | 29.5 | 29.5 |
| Bergen-Passaic | 34.4 | 35.4 | 35.6 | 198.3 | 203.4 | 204.4 | 73.6 | 70.9 | 71.5 |
| Camden | 23.0 | 24.8 | 25.1 | 148.5 | 154.8 | 154.7 | 80.3 | 79.2 | 80.1 |
| Jersey City. | 26.0 | 26.7 | 26.7 | 59.9 | 61.5 | 62.0 | 38.9 | 38.2 | 38.5 |
| Middlesex-Somerset-Hunterdon | 45.1 | 46.4 | 45.5 | 188.2 | 196.2 | 197.7 | 78.2 | 79.0 | 79.8 |
| Monmouth-Ocean | 18.0 | 18.0 | 18.0 | 120.4 | 125.5 | 124.7 | 63.8 | 62.9 | 63.8 |
| Newark ............................................................ | 72.4 | 73.4 | 72.9 | 302.5 | 310.1 | 311.2 | 144.0 | 143.7 | 146.3 |
| Trenton ................................................................. | 11.4 | 11.4 | 11.0 | 71.1 | 74.1 | 74.2 | 52.6 | 50.2 | 50.4 |
| Vineland-Millville-Bridgeton ............... | 3.1 | 3.1 | 3.1 | 12.9 | 13.1 | 12.6 | 13.6 | 14.0 | 14.2 |
| New Mexico | 31.2 | 31.9 | 32.0 | 195.7 | 202.5 | 203.0 | 180.8 | 180.3 | 180.7 |
| Abuquerque | 16.5 | 16.9 | 16.7 | 105.4 | 108.3 | 108.3 | 65.2 | 65.4 | 65.8 |
| Las Cruces ........................................................... | 2.0 | 2.0 | 2.0 | 11.0 | 12.0 | 12.1 | 20.3 | 19.8 | 20.0 |
| Santa Fe ...................................................................... | 3.2 | 3.4 | 3.4 | 20.8 | 21.4 | 21.5 | 25.0 | 25.5 | 25.5 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(in thousands)

| State and area | Total |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November $1998^{p}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { November } \\ 1998^{8} \end{gathered}$ | November 1997 | $\begin{gathered} \text { Cotober } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 1998{ }^{\circ} \end{aligned}$ |
| Now York | 8,173.5 | 8,268.5 | 8,307.8 | 4.6 | 4.8 | 4.6 | 278.0 | 300.2 | 295.6 |
| Albany-Schenectady-Troy | 438.4 | 438.9 | 443.9 | . 5 | . 5 | 5 | 15.7 | 17.1 | 16.7 |
| Binghamion .................... | 116.0 | 117.0 | 117.8 | (1) | (1) | (1) | 4.0 | 4.4 | 4.3 |
| Butfalo-Niagara Falls | 552.5 | 551.9 | 553.4 | (1) | (1) | (1) | 21.0 | 22.6 | 21.7 |
| Dutchess County ...... | 108.5 | 111.0 | 111.2 | (1) | (1) | (1) | 4.4 | 4.9 | 4.8 |
| Elmira ................ | 43.1 | 43.4 | 43.9 | (t) | $(1)$ | (1) | 1.7 | 1.8 | 1.8 |
| Glens Falls | 49.2 | 50.7 | 49.5 | (1) | $(1)$ | $(1)$ | 2.1 | 2.2 | 2.2 |
| Nassau-Sutfolk | 1,143.5 | 1.161 .6 | 1,168.3 | $(1)$ | (1) | $(1)$ | 52.0 | 55.4 | 55.3 |
| New York PMSA | 3,990.2 | $4,064.6$ | 4,094.1 | (1) | (1) | (1) | 124.1 | 132.1 | 132.6 |
| Now York City ... | 3,472.8 | 3,538 5 | 3,565.0 | (1). 3 | $\left.{ }^{1}\right)^{.3}$ | (1) 3 | 98.8 | 105.1 | 105.7 |
| Nowburgh ........ | 121.6 | 122.6 | 122.8 | ( ${ }^{1}$ ) | (1) | (1) | 4.6 | 4.5 | 4.4 |
| Rochester | 535.2 | 535.3 | 536.4 | ${ }_{1} .5$ | $\left.{ }^{1}\right)^{.} 4$ | 1) ${ }^{4}$ | 17.3 | 18.7 | 18.2 |
| Rockland County | 102.1 | 106.9 | 107.8 | $\binom{1}{1}$ | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | 3.8 | 4.2 | 4.3 |
| Syracuse .... | 3423 | 344.4 | 344.5 | (1) | (1) | (1) | 13.5 | 14.8 | 13.6 |
| Utica-Rome | 129.8 | 132.2 | 132.3 | $\binom{1}{1}$ | (1) | $(1)$ | 3.8 | 4.3 | 4.0 |
| Westchester County | 394.9 | 397.7 | 399.7 | (1) | (1) | (1) | 19.5 | 20.4 | 20.3 |
| North Carolina | 3,757.7 | 3,795.2 | 3,809.2 | 4.0 | 4.0 | 4.0 | 209.3 | 214.0 | 214.6 |
| Asheville | 111.8 | 110.9 | 117.0 | (1) | (1) | (1) | 5.9 | 5.9 | 5.9 |
| Charotte-Gastonia-Rock Hill | 767.4 | 770.2 | 771.0 | (1) | (1) | (1) | 47.3 | 47.7 | 47.9 |
| Greensboro-Winston-Salern-High Point | 641.1 | 638.2 | 641.2 | (1) | (1) |  | 31.7 | 32.7 | 32.7 |
| Raleigh-Durham-Chapel Hill ..................................... | 632.0 | 646.2 | 649.5 | (1) | (1) | (1) | 35.4 | 36.1 | 36.2 |
| North Dakota | 318.8 | 322.0 | 319.7 | 4.3 | 4.1 | 4.0 | 15.0 | 16.6 | 14.7 |
| Bismarck. | 49.5 | 50.1 | 49.6 | (1) | (1) | (1) | 2.6 | 2.6 | 2.4 |
| Fargo-Moorhead | 99.5 | 100.0 | 99.4 | (1) | $\binom{1}{1}$ | $\binom{1}{1}$ | 5.4 | 5.6 | 5.2 |
| Grand Forks ....... | 48.8 | 48.6 | 48.9 | (') | (1) | (1) | 2.8 | 3.0 | 2.8 |
| Ohio | 5,472.2 | 5,518.6 | 5,540.8 | 13.6 | 13.1 | 13.1 | 233.4 | 247.9 | 241.8 |
| Akron | 326.8 | 331.2 | 331.8 | . 5 | . 5 | . 5 | 13.6 | 14.2 | 13.8 |
| Canton-Massillon | 184.2 | 188.2 | 188.7 | . 5 | 5 | . 5 | 8.8 | 9.5 | 9.4 |
| Cincinnati ... | 859.6 | 878.6 | 884.2 | . 7 | 8 | 7 | 40.7 | 43.1 | 42.8 |
| Cleveland-Lorain-Elyria | 1,155.3 | 1,174.4 | 1,178.1 | . 9 | . 8 | . 8 | 46.3 | 50.5 | 48.8 |
| Columbus | 830.8 | 840.9 | 846.8 | . 7 | . 6 | . 6 | 36.7 | 39.0 | 38.6 |
| Dayton-Springfield | 483.6 | 481.3 | 483.2 | 4 | . 4 | 4 | 18.0 | 18.5 | 18.4 |
| Hamilton-Middletown | 120.2 | 119.4 | 120.5 | (1) | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | $\binom{1}{1}$ | 7.5 | 7.4 | 7.6 |
| Lima | 78.8 | 79.3 | 79.8 | $(1)$ | (1) | (1) | 3.9 | 3.7 | 3.8 |
| Manstield | 80.6 | 79.4 | 80.0 | (1) | (1) | (1) | 2.6 | 2.5 | 2.5 |
| Steubenville-Weiton | 51.1 | 51.3 | 51.0 | 4 | . 4 | 4 | 1.6 | 1.8 | 1.7 |
| Toledo | 322.5 | 321.2 | 322.3 | . 2 | . 1 | .1 | 15.3 10.4 | 15.8 | 15.5 10.5 |
| Youngstown-Warren ....................... | 250.1 | 252.7 | 253.0 | . 5 | . 5 | . 5 | 10.4 | 10.7 | 10.5 |
| Odahoma | 1,411.9 | 1,448.2 | 1,453.0 | 31.3 | 31.6 | 31.1 | 51.2 | 53.3 | 53.1 |
| Enid | 25.1 | 25.6 | 25.8 | 1.2 | 1.2 | 1.3 | 1.0 | 1.2 | 1.2 |
| Lawton | 37.2 | 37.8 | 37.7 | . 1 | . 1 | . 1 | 1.0 | 1.0 | 1.0 |
| Oklahoma City | 508.8 | 519.1 | 521.4 | 7.4 | 7.2 | 7.3 | 18.4 | 18.8 | 18.8 |
| Tulsa ............... | 381.6 | 392.3 | 394.9 | 7.5 | 7.5 | 7.5 | 15.4 | 17.1 | 17.1 |
| Oregon ................................................................ | 1,557.1 | 1,592.8 | 1,599.8 | 1.9 | 1.9 | 1.8 | 83.2 | 87.7 | 85.1 |
| Eugene-Springtield | 141.0 | 142.0 | 143.2 | 2 | 2 | 2 | 7.6 | 8.2 | 7.9 |
| Mediord-Ashland | 71.7 | 73.2 | 73.4 | .1 | . 1 | . 1 | 3.4 | 3.6 | 3.6 |
| Portand-Vancouver .............................................. | 943.4 | 957.6 | 965.6 | 1.1 | 1.2 | 1.2 | 56.8 | 56.9 | 56.0 |
| Salem ........................................................ | 133.6 | 137.9 | 135.8 | 2 | 3 | 3 | 7.9 | 8.4 | 8.1 |
| Pennsyivania ......................................................... | 5,497.7 | 5,532.8 | 5,550.6 | ${ }^{20.5}$ | 20.1 | 20.2 | 224.2 | 232.9 | 230.6 |
| Allemown-Bethlehem-Easton | 269.0 | 267.2 | 268.0 | $\binom{1}{1}$ | (1) | (1) | 10.6 | 10.9 | 11.0 |
| Altoona | 59.1 | 59.8 | 59.8 | (1) | $(1)$ | (1) | 2.5 | 2.6 | 2.5 |
| Erio | 130.9 | 131.9 | 132.3 | (1) | (1) | (1) | 4.5 | 4.9 | 4.9 |
| Harrisburg-Lebanon-Carlisle | 354.5 | 357.0 | 358.2 | (1) | (1) | (1) | 134 | 13.8 | 13.5 |
| Johnstown ........... | 88.3 | 89.1 | 89.7 | (1) | (1) | (1) | 4.5 | 4.6 | 4.4 |
| Lancaster ... | 218.1 | 219.5 | 220.1 | ${ }_{1}$. 4 | ${ }^{1} .4$ | ${ }^{1}$. 4 | 12.6 | 12.9 | 12.9 |
| Philadelphia PMSA | 2,299.3 | 2,316.5 | 2,327.1 | (1) | $(1)$ | $(1)$ | 91.9 | 98.3 | 95.9 |
| Philadelphia City | 681.7 | 682.5 | 686.3 | (1) | (1) | (1) | 12.1 | 11.9 | 11.3 |
| Pittsburgh ............................................................. | 1,087.5 | $1,082.8$ | 1,086.1 |  | (1) 4.4 | (1) 4.4 | 52.0 | 52.7 | 51.9 |
| Reading .................................................................... | 168.4 | 167.0 | 166.3 | (1) | (1) | (1) | 7.6 | 7.4 | 7.1 |
| Scranton-Wilkes-Barre--Hazieton | 279.7 | 282.3 | 283.9 | (1) ${ }^{4}$ | (1) . 4 | $1^{\text {. }} 4$ | 10.8 | 12.1 | 11.8 |
| Sharon .................................. | 48.9 | 48.9 | 49.3 | $(1)$ |  | $(1)$ | 1.6 | 1.6 | 1.6 |
| State Colloge ..................................................... | 71.3 | 71.5 | 71.8 | $(1)$ | (1) | $\binom{1}{1}$ | 2.5 | 2.4 | 2.4 |
| Williamsport ........................................................... | 53.7 | 54.7 | 54.7 | (') 4 | (1) 4 | (1) 4 | 2.3 | 2.5 | 2.4 |
| York ....................................................................... | 166.0 | 165.4 | 165.4 | 4 | . 4 | 4 | 8.5 | 9.1 | 8.8 |

See tootnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED
B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Manufacturing |  |  | Transportation and public utilities |  |  | Wholesale and retail trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998p | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998p | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 199gp |
| Naw York | 928.6 | 921.8 | 919.4 | 414.8 | 418.4 | 416.6 | 1,683.2 | 1,680.9 | 1,709.5 |
| Albany-Schenectady-Troy | 39.0 | 38.7 | 38.8 | 17.3 | 17.3 | 17.3 | 95.3 | 93.9 | 96.3 |
| Binghamton | 25.3 | 25.4 | 25.3 | 4.8 | 4.9 | 4.9 | 24.4 | 24.3 | 24.7 |
| Butfalo-Niagara Falls | 90.3 | 89.4 | 89.3 | 25.5 | 26.9 | 26.7 | 133.7 | 130.4 | 133.5 |
| Dutchess County ..................................................... | 18.1 | 18.9 | 19.0 | 3.6 | 3.7 | 3.6 | 20.7 | 21.0 | 21.2 |
| Elmira | 9.6 | 9.6 | 9.7 | 1.5 | 1.5 | 1.5 | 10.7 | 10.4 | 10.8 |
| Glens Falls | 8.5 | 8.2 | 8.2 | 1.5 | 1.7 | 1.5 | 11.3 | 11.8 | 11.7 |
| Nassau-Sutiolk | 114.7 | 114.0 | 114.3 | 53.4 | 54.8 | 54.8 | 296.0 | 293.7 | 298.5 |
| New York PMSA | 320.0 | 321.0 | 319.6 | 236.0 | 238.7 | 237.9 | 712.9 | 720.5 | 732.0 |
| Now York City | 267.1 | 268.2 | 266.8 | 209.2 | 211.9 | 211.0 | 599.3 | 603.5 | 612.9 |
| Newburgh | 11.7 | 11.7 | 11.7 | 6.8 | 6.9 | 6.9 | 33.8 | 33.9 | 34.2 |
| Rochester | 127.7 | 121.2 | 120.9 | 17.0 | 17.3 | 17.3 | 113.4 | 113.1 | 114.5 |
| Rockland County | 12.4 | 12.4 | 12.5 | 6.4 | 6.3 | 6.3 | 22.8 | 26.3 | 26.6 |
| Syracuse ............ | 48.9 | 49.5 | 49.6 | 19.6 | 20.4 | 20.3 | 80.6 | 79.9 | 81.2 |
| Utica-Rome .............................................................. | 19.9 | 19.6 | 19.6 | 3.7 | 3.8 | 3.8 | 27.2 | 27.6 | 27.9 |
|  | 38.6 | 38.4 | 38.3 | 19.8 | 19.8 | 19.9 | 86.7 | 86.4 | 88.1 |
| North Carolina | 838.1 | 822.9 | 822.0 | 171.8 | 171.4 | 172.1 | 856.9 | 857.7 | 871.3 |
| Asheville | 19.9 | 19.3 | 19.3 | 4.7 | 4.5 | 4.6 | 28.3 | 27.9 | 28.8 |
| Charlotte-Gastonia-Rock Hill | 144.9 | 140.5 | 140.6 | 53.0 | 53.1 | 53.1 | 186.0 | 185.6 | 185.8 |
| Greensboro--Winston-Salem--High Point ...................... | 165.6 | 164.2 | 164.5 | 31.9 | 31.3 | 31.3 | 143.1 | 142.7 | 143.8 |
| Raleigh-Durham-Chapel Hill ....................................... | 85.4 | 85.6 | 85.9 | 27.5 | 28.3 | 28.6 | 133.4 | 135.5 | 137.6 |
| North Dakota | 23.9 | 24.0 | 23.8 | 18.2 | 18.4 | 18.3 | 82.6 | 81.6 | 82.0 |
| Bismarck | 2.7 | 2.8 | 2.8 | 3.1 | 3.3 | 3.2 | 12.5 | 12.5 | 12.5 |
| Fargo-Moorhead ..................................................... | 8.1 | 8.5 | 8.4 | 5.2 | 5.4 | 5.3 | 28.4 | 28.2 | 28.3 |
| Grand Forks ............................................................ | 3.7 | 3.9 | 3.9 | 2.3 | 2.2 | 2.2 | 13.1 | 13.0 | 13.1 |
| Ohio | 1,094.3 | 1.091 .3 | 1,091.7 | 236.1 | 236.4 | 236.6 | 1,336.9 | 1,322.3 | 1,343.9 |
| Akron | 64.0 | 64.3 | 64.4 | 14.6 | 14.9 | 14.8 | 81.1 | 82.5 | 83.4 |
| Canton-Massillon | 46.6 | 47.7 | 47.8 | 5.2 | 5.1 | 5.0 | 46.9 | 46.5 | 46.9 |
| Cincinnati ...... | 141.0 | 142.6 | 143.2 | 44.9 | 45.2 | 45.3 | 222.3 | 220.9 | 224.4 |
| Cleveland-Lorain-Elyria | 223.5 | 223.3 | 223.3 | 45.7 | 46.1 | 46.1 | 277.3 | 277.8 | 281.9 |
| Columbus ............................................................... | 93.4 | 94.2 | 94.3 | 37.1 | 36.2 | 36.4 | 218.3 | 215.9 | 219.9 |
| Dayton-Springfield ..................................................... | 100.8 | 98.3 | 98.6 | 21.0 | 21.5 | 21.5 | 112.7 | 112.7 | 114.2 |
| Hamilton-Middletown ................................................. | 21.0 | 20.6 | 20.7 | 4.8 | 5.1 | 5.0 | 32.1 | 31.2 | 31.9 |
| Lima | 19.5 | 19.7 | 19.6 | 3.1 | 3.1 | 3.1 | 18.9 | 19.0 | 19.4 |
| Mansfield | 22.7 | 22.5 | 22.8 | 3.5 | 3.1 | 3.1 | 18.8 | 18.5 | 18.6 |
| Steubenville-Weirton | 13.9 | 13.9 | 13.7 | 2.8 | 2.5 | 2.5 | 10.9 | 10.9 | 10.9 |
| Toledo ..................................................................... | 61.7 | 60.2 | 60.4 | 14.5 | 14.9 | 14.8 | 80.6 | 77.6 | 78.5 |
| Youngstown-Warren .................................................. | 59.8 | 58.9 | 58.6 | 10.6 | 10.7 | 10.7 | 63.0 | 63.8 | 64.4 |
| Okdahoma .................................................................. | 183.1 | 186.3 | 186.7 | 80.7 | 83.8 | 83.8 | 329.6 | 331.9 | 336.1 |
| Enid ...................................................................... | 2.3 | 2.4 | 2.4 | 2.0 | 2.1 | 2.1 | 6.3 | 6.3 | 6.4 |
| Lawton .................................................................. | 3.6 | 3.5 | 3.5 | 1.8 | 1.8 | 1.8 | 9.0 | 9.0 | 9.1 |
| Oklahoma City ........................................................ | 55.3 | 57.1 | 57.2 | 24.8 | 25.7 | 25.7 | 121.7 | 122.5 | 124.5 |
| Tulsa .............. | 57.0 | 57.4 | 57.5 | 30.0 | 31.6 | 31.6 | 88.2 | 88.7 | 89.7 |
| Oregon ... | 244.9 | 245.3 | 241.8 | 75.3 | 76.3 | 76.4 | 388.7 | 391.6 | 396.8 |
| Eugene-Springtield | 21.7 | 22.1 | 21.8 | 4.6 | 4.3 | 4.3 | 36.0 | 36.1 | 37.0 |
| Mectiord-Ashland ... | 9.3 150.0 | 8.8 | 8.6 | 3.4 | 3.5 | 3.5 | 22.5 | 22.7 | 23.2 |
| Portland-Vancouver | 150.0 | 147.9 | 146.8 | 53.4 | 55.2 | 55.9 | 234.8 | 236.8 | 241.1 |
| Salem ................................................................... | 17.6 | 19.2 | 17.3 | 3.5 | 3.5 | 3.5 | 28.5 | 28.6 | 29.3 |
| Pennsylvania ............... | 941.3 | 932.1 | 930.2 | 282.7 | 285.9 | 285.4 | 1,246.1 | 1,239.4 | 1,256.7 |
| Allentown-Bethlehem-Easton | 57.0 | 54.7 | 55.1 | 15.6 | 15.8 | 15.7 | 57.6 | 56.7 | 57.5 |
| Altoona | 10.1 | 10.0 | 10.0 | 4.4 | 4.4 | 4.4 | 16.1 | 16.5 | 16.7 |
| Erie ..................... | 34.2 | 34.2 | 34.4 | 4.8 | 4.9 | 4.8 | 29.3 | 29.6 | 29.8 |
| Harrisburg-Lebanon-Carlisle | 45.6 | 44.7 | 44.7 | 23.4 | 23.6 | 23.7 | 79.5 | 80.2 | 81.7 |
| Johnstown | 12.8 | 12.8 | 12.9 | 5.3 | 5.4 | 5.4 | 20.7 | 20.8 | 21.3 |
| Lancaster ............................................................... | 57.1 | 55.7 | 55.8 | 8.7 | 9.0 | 9.0 | 54.4 | 55.0 | 55.9 |
| Philadelphia PMSA ................................................... | 306.3 | 302.2 | 301.7 | 109.2 | 111.7 | 111.5 | 510.6 | 508.5 | 517.0 |
| Philadelphia City | 58.2 | 57.3 | 57.1 | 33.9 | 34.4 | 34.3 | 111.8 | 111.9 | 113.0 |
| Pittsburgh | 138.8 | 138.5 | 138.4 | 66.1 | 65.6 | 65.6 | 261.9 | 259.9 | 264.3 |
| Reading | 44.1 | 41.5 | 41.7 | 8.1 | 8.3 | 8.3 | 39.8 | 39.6 | 39.8 |
| Scranton-Wilkes-Barre--Hazleton ............................... | 54.5 | 55.5 | 55.2 | 15.7 | 15.8 | 15.9 | 67.7 | 67.4 | 68.4 |
| Sharon | 11.4 | 11.0 | 11.1 | 2.0 | 1.9 | 1.9 | 12.8 | 12.5 | 12.7 |
| State College | 8.7 | 8.9 | 8.9 | 2.1 | 2.0 | 2.1 | 13.7 | 13.8 | 14.0 |
| Williamsport ............................................................ | 13.3 | 13.5 | 13.2 | 2.0 | 1.9 | 1.9 | 13.3 | 13.5 | 13.8 |
| York ..... ............................................................... | 47.9 | 46.4 | 46.2 | 7.7 | 7.8 | 7.6 | 40.9 | 40.7 | 41.2 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Finance, insurance, and real estate |  |  | Services |  |  | Government |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November $199{ }^{\circ}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1999p | Noverrber 1997 | $\begin{aligned} & \text { Ortober } \\ & 1998 \end{aligned}$ | November 1998 |
| Now York | 720.8 | 732.8 | 733.3 | 2,749.5 | 2,833.6 | 2,839.6 | 1,393.9 | 1,375.8 | 1,389.2 |
| Abany-Schenectady-Troy .......................................... | 25.4 | 25.4 | 25.4 | 135.0 | 136.5 | 138.5 | 110.3 | 109.5 | 110.3 |
| Bingharmton ............................................................. | 3.8 | 3.8 | 3.8 | 31.2 | 31.6 | 32.0 | 22.4 | 22.8 | 22.7 |
| Bufialo-Niagara Falls | 29.1 | 29.3 | 29.3 | 164.1 | 1651 | 164.1 | 88.8 | 88.2 | 88.9 |
| Dutchess County ...... | 4.5 | 4.8 | 4.9 | 34.1 | 34.6 | 34.6 | 23.0 | 23.1 | 23.3 |
| Elmira | 1.3 | 1.2 | 1.3 | 10.8 | 11.1 | 11.1 | 7.5 | 7.7 | 7.7 |
| Glens Falls | 2.1 | 2.1 | 2.1 | 13.5 | 14.4 | 13.4 | 10.2 | 10.3 | 10.4 |
| Nassau-Suffolk | 78.4 | 79.9 | 79.6 | 367.9 | 380.9 | 380.1 | 181.3 | 182.9 | 185.6 |
| New York PMSA | 506.4 | 515.4 | 515.9 | 1,482.5 | 1,537.6 | 1,551.9 | 608.3 | 599.4 | 604.3 |
| New York City .......................................................... | 473.6 | 482.1 | 482.7 | 1,300.0 | 1,350.5 | 1,365.3 | 524.5 | 516.9 | 520.3 |
| Newburgh ............................................................... | 5.4 | 5.4 | 5.4 | 31.5 | 32.5 | 32.3 | 27.7 | 27.7 | 28.0 |
| Rochester | 21.0 | 21.1 | 21.1 | 158.6 | 164.2 | 163.2 | 79.6 | 79.3 | 80.8 |
| Rockland County | 4.8 | 5.0 | 5.0 | 32.3 | 33.1 | 33.3 | 19.6 | 19.6 | 19.9 |
| Syracuse ................................................................. | 18.0 | 17.8 | 17.6 | 100.1 | 100.5 | 100.1 | 61.6 | 61.5 | 62.1 |
| Utica-Rome | 7.6 | 7.8 | 7.7 | 39.7 | 41.2 | 41.1 | 27.9 | 28.1 | 28.2 |
| Westchester County ................................................. | 26.5 | 26.7 | 26.7 | 144.0 | 147.5 | 146.9 | 59.9 | 58.5 | 59.6 |
| North Carolina | 168.4 | 179.0 | 178.2 | 901.4 | 930.0 | 924.9 | 607.8 | 616.2 | 622.1 |
| Asheville | 3.2 | 3.0 | 3.1 | 33.5 | 34.0 | 34.8 | 16.3 | 16.3 | 16.5 |
| Charlotte-Gastonia-Rock Hill ......... | 54.0 | 56.3 | 56.0 | 188.6 | 190.6 | 190.7 | 93.6 | 96.4 | 96.9 |
| Greensboro-Winston-Salem--High Point ...................... | 33.2 | 33.1 | 33.5 | 165.5 | 168.8 | 169.0 | 70.1 125.5 | 65.4 132.5 | 66.4 133.2 |
| Raleigh-Durham-Chapel Hill ........................................ | 29.9 | 30.6 | 30.7 | 194.9 | 197.6 | 197.3 | 125.5 | 132.5 | 133.2 |
| North Dakota | 15.0 | 15.7 | 15.9 | 87.7 | 89.2 | 88.7 | 72.1 | 72.4 | 72.3 |
| Bismarck | 2.3 | 2.4 | 2.4 | 15.5 | 15.7 | 15.6 | 10.8 | 10.8 | 10.7 |
| Fargo-Moorhead | 6.2 | 6.7 | 6.8 | 30.5 | 30.6 | 30.5 | 15.7 | 15.0 | 14.9 |
| Grand Forks | 1.6 | 1.5 | 1.5 | 12.2 | 11.2 | 11.4 | 13.1 | 13.8 | 14.0 |
| Ohlo | 288.0 | 293.3 | 293.8 | 1,490.2 | 1,535.3 | 1,533.4 | 779.7 | 779.0 | 786.5 |
| Akron | 13.0 | 13.2 | 13.3 | 90.1 | 92.0 | 91.6 | 49.9 | 49.6 | 50.0 |
| Canton-Massillon | 6.0 | 6.2 | 6.2 | 50.1 | 52.4 | 52.4 | 20.1 | 20.3 | 20.5 |
| Cincinnati ................................................................ | 53.4 | 55.3 | 55.5 | 254.1 | 265.8 | 266.0 | 102.5 | 104.9 | 106.3 |
| Cleveland-Lorain-Elyria | 73.9 | 75.6 | 75.5 | 340.8 | 352.1 | 352.0 | 146.9 | 148.2 | 149.7 |
| Columbus ............................................................... | 71.7 | 73.2 | 73.0 | 234.5 | 243.1 | 243.9 | 138.4 | 138.7 | 140.1 |
| Dayton-Springlield ................................................... | 18.3 | 18.4 | 18.5 | 139.6 | 140.1 | 139.8 | 72.8 | 71.4 | 71.8 |
| Hamilton-Middletown ................................................. | 6.4 | 6.8 | 6.8 | 27.1 | 27.5 | 27.5 | 21.3 | 20.8 | 21.0 |
| Lima | 2.1 | 2.2 | 2.2 | 20.7 | 21.0 | 21.1 | 10.6 | 10.6 | 10.6 |
| Mansfield | 2.5 | 2.4 | 2.4 | 20.0 | 19.7 | 19.7 | 10.5 | 10.7 | 10.9 |
| Steubenville-Weirton | 1.5 | 1.5 | 1.5 | 13.6 | 13.9 | 13.9 | 6.4 | 6.4 | 6.4 |
| Toledo | 11.0 | 11.2 | 11.3 | 90.3 | 91.8 | 91.4 | 48.9 | 49.6 | 50.3 |
| Youngstown-Warren ................................................. | 9.4 | 9.5 | 9.4 | 63.8 | 65.6 | 65.3 | 32.6 | 33.0 | 33.6 |
| Otdahoma | 70.0 | 71.2 | 71.4 | 383.1 | 400.3 | 401.1 | 282.9 | 289.8 | 289.7 |
| Enid | 1.0 | 1.0 | 1.0 | 7.1 | 7.2 | 7.2 | 4.2 | 4.2 | 4.2 |
| Lawton | 1.7 | 1.7 | 1.7 | 8.2 | 8.4 | 8.4 | 11.8 | 12.3 | 12.1 |
| Oklahoma City | 29.6 | 30.4 | 30.4 | 148.3 | 152.4 | 152.6 | 103.3 | 105.0 | 104.9 |
| Tulsa ............. | 20.1 | 20.8 | 21.0 | 120.1 | 125.4 | 126.4 | 43.3 | 43.8 | 44.1 |
| Oregon ...................................................................... | 95.9 | 97.5 | 97.4 | 406.8 | 426.6 | 427.4 | 280.4 | 265.9 | 273.1 |
| Eugene-Springfield ................................................... | 7.4 | 7.6 | 7.6 | 37.6 | 38.7 | 38.4 | 25.9 | 24.8 | 26.0 |
| Mectord-Ashland ..................................................... | 3.1 | 3.2 | 3.2 | 18.9 | 20.1 | 19.8 | 11.0 | 11.2 | 11.4 |
| Portland-Vancouver .................................................. | 66.7 | 67.6 | 67.6 | 259.1 | 269.5 | 270.9 | 121.5 | 122.5 | 126.1 |
| Salem ............................................................... | 6.5 | 6.7 | 6.7 | 32.0 | 33.1 | 32.4 | 37.4 | 38.1 | 38.2 |
| Penneylvenia ............................................................. | 314.5 | 321.1 | 320.5 | 1,739.8 | 1,768.7 | 1,765.9 | 728.6 | 732.6 | 741.1 |
| Allentown-Bethlehem-Easton ..................................... | 13.2 | 13.4 | 13.5 | 83.5 | 83.9 | 82.9 | 31.5 | 31.8 | 32.3 |
| Altoona | 1.9 | 1.9 | 1.9 | 15.9 | 16.3 | 16.1 | 8.2 | 8.1 | 8.2 |
| Eris ................................. | 5.4 | 5.4 | 5.4 | 36.5 | 36.7 | 36.7 | 16.2 | 16.2 | 16.3 |
| Harrisburg-Lebanon-Carlisle ....................................... | 25.8 | 25.7 | 25.7 | 99.4 | 101.7 | 101.3 | 67.4 | 67.3 | 67.6 |
| Johnstown ............................................................. | 4.2 | 4.1 | 4.1 | 26.8 | 27.5 | 27.4 | 14.0 | 13.9 | 14.2 |
| Lancaster ............................................................... | 9.6 | 9.9 | 9.9 | 56.0 | 57.5 | 57.0 | 19.3 | 19.1 | 19.2 |
| Philadelphia PMSA .................................................. | 158.5 | 160.5 | 160.7 | 824.2 | 837.0 | 839.1 | 298.6 | 298.3 | 301.2 |
| Philadelphia City | 55.0 | 54.8 | 55.2 | 291.6 | 293.4 | 296.0 | 119.1 | 118.8 | 119.4 |
| Pitsburgh | 62.2 | 62.3 | 62.2 | 372.9 | 371.2 | 370.0 | 128.9 | 128.2 | 129.3 |
| Reading | 8.5 | 8.9 | 8.9 | 40.3 | 41.4 | 40.3 | 20.0 | 19.9 | 20.2 |
| Scranton--Wikes-Barre-Hazleton | 14.2 | 14.1 | 14.2 | 81.1 | 82.0 | 82.6 | 35.3 | 35.0 | 35.4 |
| Sharon ................................................................. | 1.5 | 1.7 | 1.7 | 14.0 | 14.5 | 14.5 | 5.6 | 5.7 | 5.8 |
| State College ........................................................ | 1.9 | 1.9 | 1.9 | 14.1 | 14.2 | 14.0 | 28.3 | 28.3 | 28.5 |
| Williamsport ............................................................ | 2.1 | 2.2 | 2.2 | 14.5 | 14.9 | 14.9 | 6.2 | 6.2 | 6.3 |
| York ...................................................................... | 5.1 | 5.5 | 5.4 | 39.1 | 39.5 | 39.7 | 16.4 | 16.0 | 16.1 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Total |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998 ${ }^{p}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 19988^{8} \end{aligned}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 1998^{p} \end{aligned}$ |
| Rhode Island | 458.8 | 462.6 | 464.1 | . 2 | . 2 | . 2 | 15.2 | 17.6 | 17.6 |
| Providence-Fall River-Warwiak | 518.3 | 516.9 | 520.3 | 2 | . 2 | . 2 | 17.5 | 20.0 | 20.1 |
| South Caroline | 1.750 .5 | 1.814 .2 | 1,831.5 |  | 1.9 | 2.0 | 102.1 | 112.3 | 112.3 |
| Charleston-North Charieston | 226.7 | 236.4 | 238.3 | (1) | (1) | (1) | 16.7 | 18.5 | 18.6 |
| Columbia .......................................................... | 286.6 | 294.7 | 297.3 | (1) | (1) | (1) | 15.8 | 16.5 | 16.7 |
| Greenville-Spartanburg-Anderson ....................... | 466.4 | 476.3 | 480.6 | (1) | (1) | (1) | 30.5 | 32.2 | 32.1 |
| South Dakota | 356.9 | 363.4 | 363.2 | 2.1 | 1.7 | 1.7 | 15.7 | 16.4 | 15.8 |
| Rapid City | 45.9 | 47.5 | 46.8 | (1) | (1) | (1) | 3.1 | 3.2 | 3.0 |
| Sioux Falls | 104.5 | 108.9 | 108.8 | (1) | (1) | (1) | 4.8 | 5.5 | 5.1 |
| Tennessee | 2.626 .9 | 2,655.2 | 2,662.2 | 4.3 | 4.5 | 4.4 | 118.3 | 125.5 | 124.1 |
| Chattanooga | 225.3 | 228.4 | 227.2 | (1) | (1) | $\binom{1}{1}$ | 9.7 | 10.6 | 10.3 |
| Johnson City-Kingsport-Bristol | 202.9 | 201.0 | 201.6 | (') | (') | (1) | 11.1 | 11.4 | 11.4 |
| Knoxville ........................... | 320.5 | 320.1 | 319.5 | (1) 3 | ${ }^{\text {. } 6}$ | . 6 | 15.4 | 15.4 | 15.2 |
| Memphis | 562.7 | 572.1 | 574.0 | (1) | (1) | (1) | 24.7 | 24.9 | 24.8 |
| Nashville ................................................................ | 639.2 | 642.3 | 647.0 | (1) | (') | ( ${ }^{1}$ | 31.9 | 35.1 | 34.9 |
| Texas | 8,788.6 | 8,989.9 | 9,027.0 | 167.9 | 164.5 | 163.8 | 467.5 | 492.5 | 493.4 |
| Abilene | 56.5 | 58.1 | 58.1 | 1.7 | 1.7 | 1.7 | 2.4 | 2.5 | 2.5 |
| Amarillo | 94.5 | 95.7 | 96.1 | . 6 | . 6 | . 6 | 4.8 | 5.0 | 4.9 |
| Austin-San Marcos | 581.2 | 600.2 | 604.1 | 1.2 | 1.3 | 1.3 | 30.8 | 34.3 | 34.6 |
| Beaumont-Port Arthur | 159.2 | 161.1 | 162.0 | . 8 | . 9 | . 9 | 15.0 | 14.5 | 14.6 |
| Brazoria | 75.1 | 75.6 | 76.1 | 1.4 | 1.3 | 1.3 | 9.4 | 8.8 | 9.0 |
| Brownsville-Harlingen-San Benito | 99.4 | 100.8 | 100.5 | (1) | (1) | (1) | 3.5 | 3.6 | 3.6 |
| Bryan-College Station | 70.8 | 71.5 | 71.9 | . 9 | . 8 | . 8 | 3.0 | 3.4 | 3.4 |
| Corpus Christi | 156.2 | 157.4 | 157.3 | 2.4 | 2.4 | 2.3 | 11.3 | 10.4 | 10.3 |
| Dallas | 1,811.3 | 1.861 .2 | 1,866.7 | 11.6 | 11.6 | 11.6 | 85.4 | 88.7 | 89.3 |
| ElPaso | 248.8 | 255.7 | 256.2 | (1) | ( ${ }^{1}$ | (1) | 11.8 | 12.5 | 12.4 |
| Ft. Worth-Arlington | 722.7 | 740.4 | 745.4 | 4.3 | 4.3 | 4.3 | 35.0 | 37.2 | 37.4 |
| Galveston-Texas City | 88.9 | 90.5 | 90.4 | 7 | . 7 | 7 | 4.6 | 4.3 | 4.4 |
| Houston ......... | 1,936.8 | 1.982 .0 | 1,993.2 | 69.3 | 69.1 | 68.6 | 132.0 | 137.6 | 138.1 |
| Killeen-Temple | 99.0 | 102.1 | 102.4 | (1) | (1) | (') | 4.2 | 4.4 | 4.3 |
| Laredo | 61.8 | 62.5 | 631 | 3.1 | 1.5 | 1.4 | 2.2 | 2.4 | 2.4 |
| Longview-Marshail | 89.8 | 90.8 | 91.0 | 3.4 | 3.3 | 3.3 | 4.5 | 4.7 | 4.7 |
| Lubbock.. | 115.7 | 119.0 | 119.3 | 1 | 1 | . 1 | 4.3 | 4.8 | 4.7 |
| McAllen-Edinburg-Mission | 140.6 | 140.7 | 141.6 | 1.2 | 1.2 | 1.1 | 7.2 | 7.3 | 7.3 |
| Odessa-Midiand | 106.8 | 107.6 | 107.9 | 13.8 | 12.6 | 12.6 | 6.0 | 7.2 | 7.2 |
| San Angelo. | 44.2 | 44.0 | 44.1 | . 7 | ${ }^{7}$ | . 7 | 1.9 | 1.9 | 1.9 |
| San Antonio | 677.1 | 696.8 | 701.0 | 1.9 | 2.0 | 2.0 | 35.1 | 37.8 | 37.9 |
| Sherman-Denison | 44.4 | 45.0 | 44.6 | (1) | (1) | (1) | 2.2 | 2.3 | 2.3 |
| Texarkana | 51.9 | 52.7 | 53.2 | (1) | (1) | (1) | 2.1 | 2.3 | 2.3 |
| Tyler ..... | 78.0 | 81.1 | 81.5 | 1.6 | 1.6 | 1.6 | 2.9 | 3.2 | 3.1 |
| Victoria | 36.0 | 37.4 | 37.4 | 1.7 | 1.7 | 1.7 | 2.4 | 2.5 | 2.5 |
| Waco | 97.3 | 99.8 | 99.6 | (1) | (1) | (1) | 4.5 | 5.0 | 5.0 |
| Wichita Falls | 59.9 | 60.9 | 61.1 | 1.1 | 1.1 | 1.1 | 2.2 | 2.4 | 2.4 |
| Utah | 1,022.7 | 1,036.9 | 1,044.2 | 8.6 | 8.2 | 8.1 | 66.9 | 71.0 | 70.4 |
| Provo-Orem | 141.0 | 141.8 | 143.8 | (1) | (1) | ( ${ }^{1}$ ) | 9.5 | 9.4 | 9.4 |
| Salt Lake City-Ogden ........................................... | 688.4 | 697.2 | 705.1 | 3.0 | 2.8 | 2.7 | 44.4 | 46.9 | 46.2 |
| Vermont | 282.4 | 288.6 | 286.3 | . 6 | . 6 | . 6 | 13.8 | 14.7 | 14.3 |
| Barre-Montpelier | 30.1 | 31.6 | 31.6 | (1) | (1) | (1) | 1.4 | 1.5 | 1.5 |
| Burlington ......... | 101.2 | 102.4 | 102.1 | (1) | (1) | (1) | 5.3 | 4.8 | 4.7 |
| Virginda | 3,296.9 | 3,360.0 | 3,376.0 | 10.9 | 11.2 | 11.1 | 189.9 | 201.5 | 200.4 |
| Bristol | 37.8 | 37.3 | 37.5 | (1) | (1) | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | 1.4 | 1.4 | 1.4 |
| Charlottesvilie | 82.0 | 96.6 | 86.9 | (1) | (1) | (1) | 4.3 | 4.3 | 4.3 |
| Danville ... | 46.3 | 46.9 | 47.0 | (1) | (1) | (1) | 2.3 | 2.4 | 2.4 |
| Lynchburg | 98.9 | 98.6 | 99.2 | (1) | (1) | $(1)$ | 5.9 | 6.1 | 6.0 |
| Nortolk-Virginia Beach-Newport News ........ | 674.4 | 682.6 | 682.9 | (1) | (') | (1) | 40.6 | 41.5 | 41.4 |
| Northern Virginia .............................................. | 1,022.7 | 1,052.6 | 1,061.2 | . 7 | 8 | 8 | 57.9 | 61.5 | 61.7 |
| Richmond-Petersburg ............................................... | 533.9 | 537.6 | 542.0 | $\left({ }^{1}\right)^{.8}$ | $\left.{ }^{1}\right)^{.7}$ | $1^{1} .7$ | 33.8 | 34.5 | 34.2 |
| Roanoke .............................................................. | 141.7 | 141.4 | 141.7 | ( ${ }^{1}$ | ( ${ }^{1}$ | ( ${ }^{1}$ | 8.5 | 8.7 | 8.5 |
| Washington | 2.565 .7 | 2,637.2 | 2,644.0 | 3.5 | 3.5 | 3.4 | 139.0 | 149.5 | 145.5 |
| Seattle-Bellevue-Everett ..................................... | 1,335.0 | 1,361.3 | 1,376.6 | . 7 | . 7 | . 7 | 68.6 | 72.2 | 71.7 |
| Spokane ............................................................... | 191.1 | 187.3 | 189.1 | (1) | ( ${ }^{1}$ ) | (1) | 11.8 | 10.4 | 9.9 |
| Tacoma ......................................................... | 231.6 | 237.7 | 238.1 | . 2 | . 2 | . 2 | 12.8 | 15.7 | 15.6 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(in thousands)

| State and area | Manufacturing |  |  | Transportation and public utilities |  |  | Wholesale and retail trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | October 1998 | November 1998p | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998 ${ }^{P}$ | November 1997 | $\begin{gathered} \text { Otaber } \\ 1998 \end{gathered}$ | November 1998 |
| Rhode Istand | 80.6 | 79.9 | 79.6 | 15.9 | 16.0 | 16.1 | 100.6 | 100.2 | 101.1 |
| Providence-Fall River-Warwick | 103.8 | 102.8 | 102.8 | 17.6 | 17.9 | 18.1 | 118.5 | 115.8 | 117.7 |
| South Carolina | 363.0 | 363.3 | 363.8 | 76.8 | 79.5 | 79.9 | 427.3 | 445.8 | 450.3 |
| Charleston-North Charleston | 21.5 | 21.6 | 21.7 | 12.3 | 12.9 | 12.9 | 56.0 | 57.7 | 58.3 |
| Columbia | 25.9 | 26.5 | 26.7 | 12.6 | 13.0 | 13.0 | 67.2 | 69.7 | 70.3 |
| Greenville-Spartanburg-Anderson | 122.6 | 122.5 | 122.6 | 20.7 | 21.2 | 21.2 | 119.8 | 122.9 | 124.2 |
| South Dakota | 49.6 | 50.3 | 49.9 | 16.1 | 16.5 | 16.5 | 88.7 | 89.6 | 89.4 |
| Rapid City | 4.7 | 4.8 | 4.8 | 1.8 | 1.8 | 1.8 | 13.4 | 14.2 | 14.1 |
| Sioux Falls | 14.4 | 15.1 | 15.1 | 6.5 | 6.6 | 65 | 26.5 | 27.0 | 27.3 |
| Tennessee | 518.4 | 507.9 | 506.9 | 151.4 | 153.1 | 153.1 | 627.2 | 625.2 | 634.8 |
| Chattanooga | 42.9 | 43.3 | 43.1 | 12.1 | 12.2 | 12.2 | 54.9 | 53.8 | 54.8 |
| Johnson City-Kingsport-Bristol | 51.9 | 50.0 | 49.9 | 7.8 | 7.5 | 7.5 | 46.2 | 45.7 | 46.1 |
| Knoxville ................................ | 49.1 | 47.2 | 47.0 | 14.1 | 14.1 | 14.1 | 85.2 | 84.8 | 85.1 |
| Memphis | 63.2 | 62.6 | 62.2 | 61.3 | 63.5 | 63.5 | 143.9 | 144.8 | 147.2 |
| Nashville | 96.4 | 94.9 | 95.1 | 31.7 | 31.7 | 32.0 | 156.5 | 156.7 | 159.7 |
| Texas | 1,093.7 | 1,098.2 | 1,097.3 | 527.8 | 550.4 | 552.0 | 2,094.7 | 2,114.2 | 2,140.9 |
| Abilene | 3.2 | 3.4 | 3.3 | 2.5 | 2.5 | 2.5 | 14.7 | 15.0 | 15.2 |
| Amarillo | 9.3 | 9.4 | 9.4 | 5.5 | 5.7 | 5.8 | 26.6 | 26.8 | 27.0 |
| Austin-San Marcos | 77.4 | 76.1 | 76.4 | 18.9 | 19.9 | 20.1 | 124.8 | 129.5 | 131.3 |
| Beaumont-Port Arthur | 25.0 | 25.8 | 25.9 | 8.0 | 8.0 | 8.0 | 36.4 | 37.0 | 37.4 |
| Brazoria | 16.5 | 16.6 | 16.6 | 2.6 | 2.7 | 2.7 | 15.1 | 15.2 | 15.5 |
| Brownsville-Harlingen-San Benito | 12.0 | 12.5 | 12.1 | 4.5 | 4.8 | 4.8 | 24.1 | 24.0 | 24.2 |
| Bryan-College Station .... | 4.2 | 4.5 | 4.5 | 1.5 | 1.5 | 1.5 | 15.2 | 15.5 | 15.5 |
| Corpus Christi | 13.3 | 13.5 | 13.5 | 6.4 | 6.4 | 6.4 | 36.4 | 36.4 | 36.7 |
| Dallas .. | 248.2 | 251.8 | 252.3 | 124.0 | 130.9 | 131.7 | 439.8 | 443.8 | 448.0 |
| El Paso | 43.4 | 41.7 | 41.2 | 13.8 | 14.7 | 14.9 | 58.8 | 59.0 | 60.0 |
| Ft. Worth-Arlington | 110.6 | 111.2 | 111.3 | 67.2 | 70.3 | 70.7 | 186.6 | 189.7 | 193.6 |
| Galveston-Texas City ........................................... | 8.1 | 8.1 | 8.0 | 4.3 | 4.5 | 4.5 | 19.3 | 20.0 | 20.1 |
| Houston ......... | 213.4 | 216.1 | 215.3 | 136.3 | 139.9 | 140.0 | 447.7 | 450.9 | 458.6 |
| Kilieen-Temple | 9.0 | 9.4 | 9.4 | 3.6 | 3.7 | 3.7 | 23.4 | 23.4 | 23.7 |
| Laredo ........... | 1.6 | 1.6 | 1.6 | 10.4 | 11.3 | 11.3 | 16.7 | 17.1 | 17.5 |
| Longview-Marshall | 19.1 | 19.1 | 19.1 | 4.1 | 4.3 | 4.3 | 22.6 | 23.0 | 23.2 |
| Lubbock .............. | 7.8 | 8.1 | 8.1 | 5.7 | 5.7 | 5.8 | 32.6 | 33.0 | 33.4 |
| McAlien-Edinburg-Mission | 13.8 | 13.2 | 12.8 | 4.8 | 5.0 | 4.9 | 39.4 | 39.1 | 40.0 |
| Odessa-Midland | 7.7 | 7.4 | 7.4 | 4.3 | 4.2 | 4.2 | 28.0 | 27.8 | 28.0 |
| San Angelo ........ | 5.3 | 4.6 | 4.6 | 2.3 | 2.3 314 | 2.3 315 | 10.3 1649 | 10.4 166.3 | 10.5 168.6 |
| San Antonio | 50.2 | 50.8 | 51.1 | 31.0 | 31.4 1.7 | 31.5 1.7 | 164.9 9.9 | 166.3 9.9 | 168.6 10.0 |
| Sherman-Denison | 10.6 | 10.6 5.8 | $\begin{array}{r}10.0 \\ 5.8 \\ \hline\end{array}$ | 1.6 2.2 | 23 | 2.4 | 13.8 | 13.5 | 13.9 |
| Texarkana | 10.9 | 10.7 | 10.6 | 3.9 | 4.1 | 4.1 | 20.2 | 21.0 | 21.3 |
| Victoria | 3.2 | 3.2 | 3.2 | 1.5 | 1.7 | 1.7 | 9.5 | 9.8 | 9.9 |
| Waco | 16.3 | 16.7 | 16.7 | 3.9 | 3.9 | 3.9 | 22.6 | 22.9 | 22.9 |
| Wichita Fallis | 8.5 | 8.5 | 8.4 | 2.9 | 2.8 | 2.8 | 13.8 | 13.9 | 14.1 |
| Utah | 135.0 | 135.4 | 135.8 | 57.7 | 58.5 | 58.6 | 247.0 | 244.7 | 249.7 |
| Provo-Orem | 20.1 | 20.0 | 20.3 | 2.3 | 2.2 | 2.3 | 31.8 | 31.4 | 32.0 |
| Salt Lake City-Ogden | 83.5 | 83.3 | 83.6 | 45.6 | 46.4 | 46.7 | 169.5 | 168.6 | 173.9 |
| Vermont | 47.4 | 48.6 | 48.5 | 12.3 | 12.4 | 12.3 | 65.2 | 66.3 | 66.2 |
| Barre-Montpelier ... | 3.6 | 3.8 | 3.7 | 1.1 | 1.1 | 1.1 | 6.6 | 6.8 | 6.8 |
| Burlington ......... | 18.4 | 19.0 | 18.9 | 4.6 | 4.5 | 4.3 | 22.2 | 22.4 | 22.8 |
| Virginia | 407.4 | 405.8 | 405.4 | 171.9 | 175.5 | 175.6 | 746.8 | 745.3 | 759.2 |
| Bristol ................................................................ | 9.8 | 8.9 | 8.7 | 1.3 | 1.3 | 1.3 | 10.4 | 10.4 | 10.6 |
| Charlottesville | 8.2 | 8.2 | 8.4 | 2.3 | 2.4 | 2.4 | 16.6 | 17.0 | 17.4 |
| Danville | 15.5 | 15.7 | 15.5 | 1.0 | 1.0 | 1.1 | 10.1 | 10.1 | 10.3 |
| Lynchburg | 25.2 | 24.8 | 24.8 | 3.6 | 3.7 | 3.7 | 21.7 | 20.2 | 20.9 |
| Nortolk-Virginia Beach-Newport News ................ | 68.8 | 69.0 | 69.0 | 32.2 | 33.5 | 33.2 | 161.4 | 160.5 | 163.3 |
| Northern Virginia .................................................. | 44.6 | 45.7 | 45.7 | 61.5 | 62.4 | 62.5 | 221.2 | 219.6 | 223.7 |
| Richmond-Petersburg ........................... | 61.6 | 60.2 | 60.4 | 27.8 | 28.1 | 28.2 | 128.1 | 127.6 | 129.9 |
| Roanoke .......................................... | 19.3 | 18.8 | 18.5 | 8.6 | 8.6 | 8.6 | 36.5 | 36.3 | 36.8 |
| Washington | 377.3 | 378.2 | 374.0 | 134.6 | 140.7 | 140.3 | 622.7 | 639.1 | 646.5 |
| Seattle-Believue-Everett ...................................... | 224.2 | 227.1 | 227.2 | 78.3 | 82.4 | 82.5 | 313.9 | 315.5 | 322.5 |
| Spokane .................... | 22.9 | 20.2 | 20.1 | 7.9 | 8.1 | 8.1 | 49.1 | 47.5 | 48.2 |
| Tacoma .............................................................. | 25.7 | 24.5 | 23.9 | 9.3 | 10.5 | 10.4 | 58.9 | 61.4 | 62.1 |

[^13]ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED
B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Finance, insurance, and real estate |  |  | Services |  |  | Governmert |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November $1997$ | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { November } \\ & 1999^{p} \end{aligned}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November $1998^{\mathrm{P}}$ | Novertber 1997 | October 1998 | November 1998P |
| Rhode istand | 26.6 | 28.1 | 28.4 | 154.3 | 155.9 | 155.3 | 65.4 | 64.7 | 65.8 |
| Providence-Fall River-Warwick | 29.0 | 29.3 | 29.6 | 165.1 | 165.5 | 165.4 | 66.6 | 65.4 | 66.4 |
| South Carolina | 74.8 | 79.2 | 79.4 | 399.3 | 423.8 | 423.8 | 305.3 | 308.4 | 320.0 |
| Charleston-North Charleston ..................................................... | 8.5 | 8.6 | 8.6 | 61.3 | 65.9 | 65.9 | 50.4 | 51.2 | 52.3 |
| Columbia ................................ | 20.2 | 20.9 | 21.0 | 70.2 | 72.1 | 72.3 | 74.7 | 76.0 | 77.3 |
| Greenville-Spartanburg-Anderson | 15.6 | 15.9 | 16.0 | 98.7 | 1028 | 103.1 | 58.5 | 58.8 | 61.4 |
| South Dakota | 21.5 | 22.9 | 23.0 | 91.5 | 95.3 | 94.2 | 71.7 | 70.7 | 72.7 |
| Rapid City | 1.8 | 1.9 | 1.9 | 13.8 | 14.2 | 13.8 | 7.3 | 7.4 | 7.4 |
| Sioux Falls | 12.0 | 13.2 | 13.3 | 30.3 | 31.3 | 31.1 | 10.0 | 10.2 | 10.4 |
| Tennessee | 121.7 | 123.0 | 123.2 | 694.4 | 710.0 | 708.6 | 391.2 | 406.0 | 407.1 |
| Chattanooga | 15.4 | 15.6 | 15.6 | 55.9 | 56.8 | 56.8 | 34.4 | 34.1 | 34.4 |
| Johnson City-Kingspor-Bristol | 6.1 | 6.3 | 6.2 | 50.5 | 50.7 | 50.7 | 29.3 | 29.4 | 29.8 |
| Knoxville ............................. | 13.8 | 14.3 | 14.2 | 87.4 | 88.6 | 88.1 | 55.2 | 55.1 | 55.2 |
| Memphis. | 27.8 | 28.2 | 28.2 | 161.3 | 164.0 | 163.8 | 80.5 | 84.1 | 84.3 |
| Nashville | 39.3 | 39.4 | 39.5 | 199.2 | 199.2 | 200.1 | 84.2 | 85.3 | 85.7 |
| Texas | 470.6 | 486.0 | 486.9 | 2,447.5 | 2,542.1 | 2,542.3 | 1.518 .9 | 1,541.0 | 1,550.4 |
| Abilene | 2.4 | 2.5 | 2.5 | 19.4 | 20.2 | 20.1 | 10.2 | 10.3 | 10.3 |
| Amarillo | 5.0 | 5.1 | 5.1 | 25.8 | 265 | 26.5 | 16.9 | 16.6 | 16.8 |
| Austin-San Marcos | 30.1 | 30.9 | 30.7 | 167.1 | 174.7 | 175.6 | 130.9 | 133.5 | 134.1 |
| Beaumont-Port Arthur. | 5.2 | 5.4 | 5.5 | 41.8 | 42.5 | 42.6 | 27.0 | 27.0 | 27.1 |
| Brazoria | 1.8 | 1.8 | 1.8 | 13.9 | 14.3 | 14.2 | 14.4 | 14.9 | 15.0 |
| Brownsville-Harlingen-San Benito | 3.7 | 3.7 | 3.7 | 28.1 | 28.6 | 28.4 15.5 | 23.5 | 23.6 | 23.7 |
| Bryan-College Station .......... | 2.3 | 2.3 | 2.4 | 15.1 | 15.5 | 15.5 | 28.6 | 28.0 | 28.3 |
| Corpus Christi.... | 6.5 | 6.5 | 6.4 | 48.4 | 49.8 | 49.6 | 31.5 | 32.0 | 32.1 |
| Dallas | 141.8 | 146.6 | 146.7 | 557.8 | 580.3 | 578.8 | 202.7 | 207.5 | 208.3 |
| ElPaso | 9.8 | 10.5 | 10.5 | 56.1 | 59.3 | 59.4 | 55.1 | 58.0 | 57.8 |
| Ft. Worth-Arlington ................................................ | 32.1 | 33.2 | 33.2 | 194.3 | 202.3 | 202.4 | 92.6 | 92.2 | 92.5 |
| Galveston-Texas City | 5.4 | 5.6 | 5.5 | 18.9 | 19.5 | 19.5 | 27.6 | 27.8 | 27.7 |
| Houston ........ | 102.1 | 105.5 | 105.6 | 582.6 | 603.8 | 605.8 | 253.4 | 259.1 | 261.2 |
| Killeen-Temple | 4.0 | 4.3 | 4.3 | 27.1 | 28.3 | 28.3 | 27.7 | 28.6 | 28.7 |
| Laredo ........... | 2.3 | 2.5 | 2.6 | 11.1 | 11.6 | 11.7 | 14.4 | 14.5 | 14.6 |
| Longview-Marshall | 3.2 | 3.3 | 3.2 | 21.0 | 21.4 | 21.4 | 11.9 | 11.7 | 11.8 |
| Lubbock .............. | 5.5 | 5.7 | 5.7 | 34.3 | 36.2 | 35.8 | 25.4 | 25.4 | 25.7 |
| McAllen-Edinturg-Mission | 5.0 | 5.0 | 5.0 | 31.5 | 32.2 | 32.2 | 37.7 | 37.7 | 38.3 |
| Odessa-Midland | 3.6 | 3.5 | 35 | 24.7 | 25.4 | 25.4 | 18.7 | 19.5 | 19.6 |
| San Angelo | 1.6 | 1.6 | 1.6 | 13.0 | 13.4 | 13.4 | 9.1 | 9.1 | 9.1 |
| San Antonio ......... | 44.8 | 45.6 | 45.6 | 214.0 | 226.8 | 227.4 | 135.2 | 136.1 | 136.9 |
| Sherman-Denison . | 2.1 | 2.1 | 2.1 | 12.3 | 12.7 | 12.7 | 5.7 | 5.7 | 5.8 |
| Texarkana | 1.7 | 1.8 | 1.8 | 14.3 | 15.1 | 15.1 | 11.8 | 11.9 | 11.9 |
| Tyler ........ | 4.1 | 4.1 | 4.2 | 23.3 | 25.3 | 25.3 | 11.1 | 11.1 | 11.3 |
| Victoria | 1.6 | 1.3 | 1.3 | 9.7 | 10.2 | 10.0 | 6.4 | 7.0 | 7.1 |
| Waco ........ | 5.6 | 6.0 | 6.0 | 29.2 165 | 30.0 | 29.7 | 15.2 | 15.3 | 15.4 |
| Wichita Falls | 2.2 | 2.2 | 2.2 | 16.5 | 16.9 | 17.0 | 12.7 | 13.1 | 13.1 |
| Utah | 54.0 | 54.2 | 54.4 | 276.2 | 283.6 | 284.1 | 177.3 | 181.3 | 183.1 |
| Provo-Orem | 4.1 | 4.3 | 4.4 | 53.6 | 53.8 | 54.6 | 19.6 | 20.7 | 20.8 |
| Salt Lake City-Ogden ................................................ | 44.6 | 44.6 | 44.9 | 184.9 | 191.5 | 192.7 | 112.9 | 113.1 | 114.4 |
| Vermont | 12.2 | 12.2 | 12.3 | 82.8 | 85.9 | 83.7 | 48.1 | 47.9 | 48.4 |
| Barre-Montpelier .... | 2.4 | 2.4 | 2.4 | 7.9 | 8.8 | 8.8 | 7.1 | 7.2 | 7.3 |
| Burington ................................................................ | 5.1 | 5.1 | 5.1 | 29.0 | 30.1 | 29.5 | 16.6 | 16.5 | 16.8 |
| Virginia | 168.2 | 173.1 | 172.9 | 990.1 | 1,037.1 | 1,034.9 | 611.7 | 610.5 | 616.5 |
| Bristol | 1.3 | 1.3 | 1.3 | 7.9 | 8.4 | 8.5 | 5.7 | 5.6 | 5.7 |
| Charlottesville ...................................................... | 4.1 | 4.4 | 4.4 | 20.0 | 20.4 | 20.4 | 26.5 | 29.9 | 29.6 |
| Danville .............................................................. | 1.4 | 1.5 | 1.5 | 10.0 | 10.3 | 10.2 | 6.0 | 5.9 | 6.0 |
| Lynchburg ............................................................ | 4.3 | 4.2 | 4.2 | 25.5 | 27.0 | 26.9 | 12.7 | 12.6 | 12.7 |
| Nortolk-Virginia Beach-Newport News | 31.3 | 32.8 | 32.6 | 193.8 | 199.5 | 198.0 | 146.3 | 145.8 | 145.4 |
| Northern Virginia ................................... | 55.0 | 56.8 | 56.9 | 400.6 | 425.1 | 426.4 | 181.2 | 180.7 | 183.5 |
| Richmond-Petersburg ................................................. | 43.9 | 44.2 | 44.4 | 139.6 | 145.3 | 145.2 | 98.3 | 97.0 | 99.0 |
| Roanoke ................................................................. | 9.3 | 9.3 | 9.4 | 41.6 | 41.9 | 41.9 | 17.9 | 17.8 | 18.0 |
| Weshington | 130.3 | 138.3 | 136.5 | 687.1 | 723.8 | 721.7 | 471.2 | 466.1 | 476.1 |
| Seatte-Bellevue-Everett | 80.4 | 83.4 | 84.0 | 363.9 | 398.3 | 400.1 | 185.0 | 181.7 | 187.9 |
| Spokane ................... | 10.9 | 11.0 | 11.0 | 56.9 | 57.3 | 57.9 | 31.6 | 32.8 | 32.9 |
| Tacoma ........................................................ | 11.7 | 12.6 | 12.6 | 64.8 | 64.3 | 64.1 | 48.2 | 48.5 | 49.2 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Total |  |  | Mining |  |  | Construction |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Novermber 1997 | $\begin{aligned} & \text { Ootober } \\ & 1998 \end{aligned}$ | November 1998 ${ }^{\circ}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998P | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998 P |
| Weat Virginle | 725.1 | 731.5 | 732.4 | 23.9 | 23.0 | 23.0 | 37.3 | 39.4 | 37.8 |
| Charleston | 134.0 | 135.5 | 136.3 | 2.0 | 1.8 | 1.8 | 7.3 | 7.6 | 7.5 |
| Huntington-Ashland | 121.8 | 122.3 | 123.1 | 1.4 | 1.1 | 1.2 | 5.9 | 5.4 | 5.2 |
| Parkersburg-Marietta | 70.6 | 71.4 | 71.9 | . 3 | . 3 | . 3 | 4.5 | 4.8 | 4.4 |
| Wheeling ............................... | 67.7 | 68.1 | 67.8 | 1.6 | 1.5 | 1.5 | 2.6 | 3.1 | 3.0 |
| Wisconsin | 2,708.8 | 2,746.6 | 2.755 .7 | 2.6 | ${ }^{2.5}$ | ${ }^{2.4}$ | 114.2 | 122.4 | 121.3 |
| Appleton-Oshkosh-Neenah | 196.5 | 200.7 | 201.3 | (1) | (1) | (1) | 10.9 | 11.8 | 11.9 |
| Eau Claire ........................................................... | 74.5 | 75.8 | 76.3 | (1) | (1) | (1) | 3.2 | 3.6 | 3.5 |
| Green Bay | 136.4 | 137.0 | 136.6 | (1) | (1) | (1) | 7.0 | 7.0 | 6.9 |
| Janesvill-Beloit | 70.0 | 69.7 | 69.7 | (1) | $(1)$ | $(1)$ | 2.8 | 3.0 | 2.9 |
| Kenosha .. | 51.1 | 53.2 | 53.4 | (1) | (1) | (1) | 2.2 | 2.2 | 2.2 |
| La Crosse | 69.8 | 70.4 | 70.6 | (1) | (1) | (1) | 2.9 | 3.2 | 3.0 |
| Madison. | 273.5 | 278.2 | 280.9 | (1) | (1) | (1) | 12.9 | 14.0 | 14.1 |
| Milwauke日-Waukesha ............................................ | 845.0 | 855.9 | 861.2 | (1) | (1) | $(1)$ | 31.9 | 33.6 | 33.7 |
| Racine ...... | 83.5 | 83.9 | 83.9 | (1) | $\left(\begin{array}{l}1 \\ 1\end{array}\right.$ | (1) | 3.4 | 3.8 | 3.6 |
| Sheboygan | 58.3 | 58.6 | 58.7 | $(1)$ | (1) | (1) | 2.4 | 2.5 | 2.5 |
| Wausau ..... | 65.6 | 66.7 | 67.3 | (1) | (1) | (1) | 3.0 | 3.2 | 3.4 |
| Wyoming | 2229 | 230.9 | 226.2 | 17.1 | 17.7 | 17.5 | 15.9 | 17.1 | 15.9 |
| Casper ................................................. | 30.3 | 31.6 | 31.4 | 2.2 | 2.3 | 2.2 | 1.7 | 2.1 | 2.0 |
| Puerto Rico | 975.8 | 938.1 | 947.5 | 1.1 | 1.2 | 1.2 | 56.1 | 55.3 | 56.4 |
| Caguas | 67.9 | 63.5 | 64.6 | (1) | (1) | (1) | 3.0 | 2.8 | 3.2 |
| Mayaguez .......................................................... | 69.2 | 66.5 | 68.0 | (1) | (1) | (1) | 4.5 | 4.5 | 4.5 |
| Ponce ..... | 76.4 | 74.5 | 75.3 | (1) | (1) | (1) | 4.7 | 5.9 | 6.1 |
| San Juan-Bayamon ................................................ | 609.5 | 586.9 | 594.5 | . 6 | . 6 | . 6 | 38.2 | 37.7 | 38.6 |
| Virgin Islands | 40.7 | 41.3 | 41.4 | (') | (1) | ( ${ }^{1}$ | 2.0 | 1.9 | 1.9 |

[^14]ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED

## B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued

(In thousands)

| State and area | Manufacturing |  |  | Transportation and public utilities |  |  | Wholesale and retail trade |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Novermber 1997 | October <br> 1998 | November 1998p | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November $1998^{\circ}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998P |
| West Virginia | 83.1 | 83.0 | 82.8 | 39.3 | 39.4 | 39.4 | 167.3 | 166.2 | 168.2 |
| Charieston . | 10.3 | 10.1 | 10.1 | 9.4 | 9.3 | 9.2 | 31.8 | 32.4 | 33.1 |
| Huntington-Ashland | 16.7 | 15.6 | 15.7 | 6.7 | 6.9 | 7.0 | 32.2 | 32.2 | 32.8 |
| Parkersburg-Marietta ................................................ | 13.2 | 13.2 | 13.3 | 2.6 | 2.6 | 2.6 | 17.4 | 18.2 | 18.6 |
| Wheeling ................................................................. | 6.1 | 6.2 | 6.1 | 3.0 | 2.9 | 3.0 | 17.6 | 16.9 | 17.0 |
| Wisconsin | 614.7 | 616.7 | 616.3 | 124.7 | 125.8 | 125.6 | 620.1 | 623.3 | 632.1 |
| Appleton-Oshkosh-Neenah ........................................ | 58.8 | 58.7 | 58.5 | 7.4 | 7.8 | 7.8 | 42.8 | 43.8 | 44.4 |
| Eau Claire ............................................................... | 12.7 | 13.4 | 13.6 | 3.6 | 3.5 | 3.4 | 20.4 | 20.6 | 21.0 |
| Green Bay | 28.5 | 28.9 | 28.8 | 9.9 | 9.8 | 9.8 | 32.0 | 31.8 | 32.0 |
| Janesville-Beloit | 21.8 | 21.9 | 21.8 | 2.5 | 2.6 | 2.6 | 16.1 | 15.6 | 15.7 |
| Kenosha | 11.5 | 11.5 | 11.6 | 2.1 | 2.4 | 2.4 | 12.3 | 12.4 | 12.6 |
| La Crosse | 11.8 | 11.6 | 11.7 | 2.9 | 2.9 | 2.9 | 18.7 | 18.8 | 19.1 |
| Madison | 29.5 | 30.1 | 30.1 178.7 | 9.6 | 10.1 | 10.1 | 59.4 | 57.9 | 59.0 |
| Milwaukee-Waukesha ............................................... | 178.2 | 177.7 | 178.7 | 40.3 | 41.1 | 41.5 | 183.3 | 183.6 | 186.3 |
| Racine .................................................................... | 25.8 | 26.0 | 25.9 | 2.4 | 2.3 | 2.3 | 16.6 | 16.6 | 17.3 |
| Sheboygan ............................................................ | 23.9 | 23.8 | 23.9 | 1.8 | 1.9 | 1.9 | 10.8 | 10.8 | 10.9 |
| Wausau ................................................................. | 18.6 | 19.1 | 19.0 | 3.5 | 3.4 | 3.4 | 16.4 | 16.6 | 17.0 |
| Wyoming ................................................................... | 11.2 | 11.6 | 11.3 | 14.0 | 13.9 | 14.0 | 51.8 | 53.2 | 52.4 |
| Casper ................................................................... | 1.5 | 1.6 | 1.6 | 1.7 | 1.7 | 1.7 | 8.4 | 8.6 | 8.6 |
| Puerto Rico ............................................................... | 148.7 | 139.6 | 140.0 | 26.2 | 24.0 | 24.3 | 201.0 | 191.0 | 195.8 |
| Caguas ................................................................... | 16.0 | 14.8 | 14.7 | . 7 | . 6 | . 6 | 15.5 | 14.4 | 15.0 |
| Mayaguez ............................................................... | 18.1 | 18.4 | 19.3 | . 6 | . 5 | . 5 | 11.9 | 11.4 | 11.7 |
| Pence ................................................................... | 10.3 | 9.2 | 9.0 | 2.2 | 2.1 | 2.0 | 13.7 | 12.9 | 13.3 |
| San Juan-Bayamon ................................................. | 67.9 | 61.5 | 62.1 | 20.8 | 18.3 | 18.5 | 132.3 | 125.2 | 129.9 |
| Virgin lslands ............................................................. | 2.2 | 2.4 | 2.4 | 2.3 | 2.4 | 2.4 | 9.0 | 9.0 | 9.0 |

See footnotes at end of table.

B-14. Employees on nonfarm payrolls in States and selected areas by major industry - Continued
(In thousands)

| State and area | Finance, insurance, and real estate |  |  | Services |  |  | Government |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998P | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November 1998P | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { November } \\ & 1998^{\circ} \end{aligned}$ |
| West Virginia | 28.4 | 28.8 | 28.9 | 203.2 | 209.3 | 208.9 | 142.6 | 142.4 | 143.4 |
| Charleston | 7.6 | 8.0 | 8.1 | 40.9 | 42.2 | 42.3 | 24.7 | 24.1 | 24.2 |
| Huntington-Ashland | 3.8 | 4.2 | 4.3 | 34.2 | 35.8 | 35.7 | 20.9 | 21.1 | 21.2 |
| Parkersburg-Marietta | 2.6 | 2.6 | 2.6 | 20.3 | 20.3 | 20.5 | 9.7 10.5 | 9.6 | 9.6 |
| Wheeling ................. | 2.9 | 2.9 | 2.9 | 23.4 | 24.2 | 23.9 | 10.5 | 10.4 | 10.4 |
| Wisconsin | 141.2 | 145.3 | 145.8 | 691.1 | 711.1 | 706.4 | 400.2 | 399.5 | 405.7 |
| Appleton-Oshkosh-Neenah | 9.7 | 10.1 | 102 | 44.1 | 45.0 | 44.9 | 22.7 | 23.5 | 23.5 |
| Eau Claire | 2.5 | 2.7 | 2.7 | 19.4 | 19.6 | 19.7 | 12.6 | 12.5 | 12.5 |
| Green Bay | 9.2 | 9.3 | 9.2 | 39.5 | 34.0 | 33.5 | 16.3 | 16.2 | 16.2 |
| Janes ville-Baloit | 1.9 | 1.9 | 1.9 | 16.0 | 16.0 | 15.9 | 8.7 | 8.8 | 8.9 |
| Kenosha .......... | 1.7 | 1.8 | 1.8 | 13.2 | 14.4 | 14.3 | 8.1 | 8.5 | 8.5 |
| La Crosse | 2.5 | 2.8 | 2.7 | 20.7 | 20.9 | 20.8 | 10.4 | 10.3 | 10.5 |
| Madison | 21.4 | 22.2 | 22.2 | 68.3 | 70.9 | 71.1 | 72.4 | 72.9 | 74.2 |
| Milwaukee-Waukesha | 58.4 | 59.6 | 59.7 | 261.7 | 269.4 | 268.5 | 91.2 | 90.8 | 92.8 |
| Racine | 2.4 | 2.3 | 2.3 | 23.4 | 23.4 | 22.9 | 9.6 | 9.7 | 9.5 |
| Sheboygan | 2.1 | 2.3 | 2.3 | 10.9 | 11.1 | 10.9 | 6.3 | 6.3 | 6.4 |
| Wausau .... | 4.8 | 4.9 | 4.9 | 11.9 | 12.1 | 12.0 | 7.5 | 7.4 | 7.6 |
| Wyoming | 8.2 | 8.4 | 8.5 | 45.8 | 49.8 | 47.0 | 58.9 | 59.2 | 59.6 |
| Casper | 1.2 | 1.2 | 1.2 | 8.2 | 8.6 | 8.5 | 5.4 | 5.5 | 5.6 |
| Puerto Rico | 46.1 | 45.6 | 45.4 | 192.6 | 186.7 | 188.0 | 304.0 | 294.7 | 296.4 |
| Caguas | 1.8 | 1.9 | 1.9 | 12.3 | 11.8 | 11.8 | 18.6 | 17.2 | 17.4 |
| Mayaguez | 2.0 | 1.8 | 1.8 | 11.3 | 9.6 | 9.8 | 20.8 | 20.3 | 20.4 |
| Ponce .... | 2.3 | 2.3 | 2.3 | 16.9 | 16.1 | 16.6 | 26.3 | 26.0 | 26.0 |
| San Juan-Bayamon | 36.3 | 35.6 | 35.6 | 129.0 | 128.7 | 129.1 | 184.4 | 179.3 | 180.1 |
| Virgin lslends | 1.9 | 1.9 | 1.9 | 9.9 | 10.2 | 10.3 | 13.4 | 13.5 | 13.5 |

1 Combined with construction
2 Not available
$P=$ preliminary

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1997 benchmarks.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLLY ADJUSTED
B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed indusiry

| Indusiry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ 199 \mathrm{P}^{2} \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & \text { 1998p } \end{aligned}$ |
| Total private ................................................. |  | 34.8 | 34.8 | 34.6 | 34.7 | 34.7 | - | - | - | - | - |
| Goods-producing ................................................. |  | 41.4 | 42.0 | 41.4 | 41.2 | 41.8 | - | - | - | - | - |
| Mining ................................................................ |  | 45.6 | 45.2 | 43.9 | 43.9 | 43.5 | - | - | - | - | - |
| Metal mining | 10 | 44.4 | 44.5 | 43.4 | 44.0 | - | - | - | - | - | - |
| Iron ores | 101 | 46.1 | 45.5 | 44.7 | 43.5 | - | - | - | - | - | - |
| Copper ores ..................................................... | 102 | 45.4 | 46.2 | 46.3 | 45.7 | - | - | - | - | - | - |
| Coal mining ........................................................ | 12 | 45.2 | 44.8 | 45.0 | 45.6 | - | - | - | - | - | - |
| Bituminous coal and lignite mining ........................ | 122 | 45.3 | 44.8 | 45.0 | 45.6 | - | - | - | - | - | - |
| Oil and gas extraction ........................................... | 13 | 45.6 | 45.1 | 42.6 | 42.6 | - | - | - | - | - | - |
| Crude petroleum and natural gas .......................... | 131 | 43.0 | 41.6 | 41.1 | 42.0 | - | - | - | - | - | - |
| Oil and gas field services ............. | 138 | 46.9 | 46.8 | 43.3 | 43.0 | - | - | - | - | - | - |
| Nonmetallic minerals, except fuels .......................... | 14 | 46.8 | 46.6 | 47.0 | 45.7 | - | - | - | - | - | - |
| Crushed and broken stone .................................. | 142 | 48.5 | 48.0 | 49.4 | 47.9 | - | - | - | - | - | - |
| Construction ....................................................... |  | 37.8 | 38.5 | 40.0 | 38.5 | 39.2 | - | - | - | - | - |
| Generai building contractors ................................... | 15 | 37.6 | 38.2 | 38.7 | 37.9 | - | - | - | - | - | - |
| Residential building construction ........................... | 152 | 36.5 | 36.7 | 37.3 | 36.8 | - | - | - | - | - | - |
| Operative builders ............................................. | 153 | 37.3 | 37.9 | 37.4 | 36.6 | - | - | - | - | - | - |
| Nonresidential building construction ...................... | 154 | 38.7 | 39.7 | 40.2 | 39.1 | _ | - | - | - | - | - |
| Heavy construction, except building ........................ | 16 | 39.4 | 40.9 | 44.5 | 41.2 | - | - | - | - | - | - |
| Highway and street construction ........................... | 161 | 37.4 | 38.8 | 45.4 | 40.3 | - | - | - | - | - | - |
| Heavy construction, except highway ...................... | 162 | 40.2 | 41.6 | 44.1 | 41.6 | - | - | - | - | - | - |
| Special trade contractors | 17 | 37.6 | 38.1 | 39.2 | 38.1 | - | - | - | - | - | - |
| Plumbing, heating, and air conditioning .................. | 171 | 39.2 | 39.7 | 39.8 | 39.3 | - | - | - | - | - | _ |
| Painting and paper hanging ................................. | 172 | 36.5 | 36.8 | 37.6 | 36.5 | - | - | - | - | - | - |
| Electrical work ................................................... | 173 | 39.6 | 40.3 | 40.1 | 39.7 | - | - | - | - | - | - |
| Masonry, stonework, and plastering ...................... | 174 | 35.0 | 35.4 | 37.0 | 35.8 | - | - | - | - | - | - |
| Carpentry and floor work ..................................... | 175 | 35.7 | 36.2 | 37.1 | 37.0 | - | - | - | - | - | - |
| Rooting, siding, and sheet metal work .................... | 176 | 32.7 | 33.3 | 36.6 | 34.1 | - | - | - | - | - | - |
| Manutacturing ..................................................... |  | 42.6 | 43.0 | 41.9 | 42.1 | 42.6 | 5.2 | 5.4 | 4.7 | 4.7 | 4.9 |
| Durable goods ................................................... |  | 43.3 | 43.9 | 42.5 | 42.7 | 43.3 | 5.5 | 5.8 | 4.8 | 4.9 | 5.2 |
|  | 24 | 41.4 | 41.2 | 41.5 | 41.5 | 41.8 | 4.5 | 4.4 | 4.6 | 4.6 | 5.2 |
| Logging .......................................................... | 241 | 40.3 | 40.7 | 42.1 | 40.5 | - | 5.1 | 5.4 | 6.0 | 5.3 | - |
| Sawmills and planing mills ................................. | 242 | 42.3 | 42.4 | 42.5 | 42.5 | - | 5.1 | 5.1 | 5.0 | 4.9 | - |
| Sawmills and planing mills, general .................... | 2421 | 42.7 | 42.6 | 42.9 | 42.9 | - | 5.5 | 5.5 | 5.5 | 5.3 | - |
| Hardwood dimension and flooring mills ............... | 2426 | 41.2 | 41.6 | 41.3 | 41.4 | - | 3.7 | 3.7 | 3.5 | 3.6 | - |
| Millwork, plywood, and structural members ........... | 243 | 42.2 | 41.7 | 41.8 | 42.4 | - | 4.9 | 4.6 | 4.8 | 5.1 | - |
| Millwork ......................................................... | 2431 | 41.9 | 41.2 | 41.4 | 42.3 | _ | 4.3 | 3.6 | 4.2 | 4.7 | _ |
| Wood kitchen cabinets .................................... | 2434 | 41.8 | 41.5 | 40.8 | 41.3 | - | 5.3 | 5.5 | 4.5 | 4.8 | - |
| Hardwood veneer and plywood .......................... | 2435 | 42.3 | 43.0 | 42.7 | 43.0 | - | 4.7 | 5.3 | 5.4 | 5.8 | - |
| Softwood veneer and plywood ......................... | 2436 | 44.9 | 44.1 | 43.3 | 44.3 | - | 6.1 | 5.8 | 6.1 | 6.7 | - |
| Wood containers .............................................. | 244 | 39.7 | 39.9 | 39.0 | 39.1 | - | 3.7 | 3.9 | 3.4 | 3.5 | _ |
| Wood buildings and mobile homes ...................... | 245 | 39.6 | 38.6 | 40.2 | 39.4 | - | 2.9 | 2.7 | 3.3 | 2.8 | - |
| Mobile homes ................................................ | 2451 | 39.6 | 38.5 | 40.4 | 39.4 | - | 2.7 | 2.7 | 3.2 | 2.6 | - |
| Miscellaneous wood products ............................ | 249 | 40.9 | 40.6 | 40.7 | 41.2 | - | 3.9 | 3.5 | 3.7 | 4.1 | - |
| Furniture and fixtures ........................................... | 25 | 41.2 | 42.1 | 40.8 | 40.8 | 41.6 | 3.9 | 4.3 | 3.7 | 3.6 | - |
| Household furniture .......................................... | 251 | 40.1 | 41.2 | 39.8 | 39.8 | - | 3.2 | 3.8 | 3.0 | 2.9 | - |
| Wood household furniture ................................. | 2511 | 40.4 | 41.3 | 40.3 | 40.5 | - | 3.1 | 3.2 | 3.2 | 3.4 | _ |
| Upholstered household furniture ....................... | 2512 | 39.7 | 41.9 | 39.5 | 39.0 | - | 3.0 | 4.2 | 2.7 | 2.4 | - |
| Metal household furniture ................................. | 2514 | 41.8 | 40.8 | 39.7 | 39.9 | - | 5.0 | 5.6 | 3.3 | 3.3 | - |
| Mattresses and bedsprings ............................. | 2515 | 38.7 | 39.1 | 38.0 | 38.7 | _ | 3.2 | 3.4 | 2.6 | 2.3 | - |
| Office furniture .................................................. | 252 | 44.0 | 45.4 | 43.5 | 44.0 | - | 5.5 | 6.0 | 4.3 | 4.5 | - |
| Public building and related furniture ..................... | 253 | 40.8 | 41.1 | 42.0 | 40.7 | - | 3.9 | 4.0 | 5.4 | 4.5 | - |
| Partitions and fixtures ........................................ | 254 | 42.9 | 43.1 | 42.7 | 42.2 | - | 4.7 | 4.7 | 5.1 | 4.3 | - |
| Miscellaneous furniture and fixtures .................... | 259 | 42.8 | 43.3 | 39.3 | 41.1 | - | 5.2 | 5.6 | 3.5 | 4.4 | - |

See footnotes at end of table.

ESTABLSHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED
B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payroils by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average hourly earnings |  |  |  |  | Average weeldy earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1997 \end{gathered}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ \text { 1998P } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ |
| Total private ................................................ |  | \$12.53 | \$12.53 | \$12.92 | \$12.99 | \$12.99 | \$436.04 | \$436.04 | \$447.03 | \$450.75 | \$450.75 |
| Goods-producing |  | 14.12 | 14.21 | 14.49 | 14.49 | 14.55 | 584.57 | 596.82 | 599.89 | 596.99 | 608.19 |
| Mining ............................................................... |  | 16.41 | 16.52 | 17.13 | 17.32 | 17.41 | 748.30 | 746.70 | 752.01 | 760.35 | 757.34 |
| Metal mining | 10 | 18.28 | 18.02 | 18.44 | 18.46 | - | 811.63 | 801.89 | 800.30 | 812.24 | - |
| Iron ores ........................................................... | 101 | 19.74 | 19.16 | 20.78 | 20.39 | - | 910.01 | 871.78 | 928.87 | 886.97 | - |
| Copper ores ..................................................... | 102 | 16.51 | 16.38 | 17.02 | 17.08 | - | 749.55 | 756.76 | 788.03 | 780.56 | - |
| Coal mining | 12 | 19.10 | 19.47 | 19.15 | 19.26 | - | 863.32 | 872.26 | 861.75 | 878.26 | - |
| Bituminous coal and lignite mining ........................ | 122 | 19.36 | 19.73 | 19.41 | 19.50 | - | 877.01 | 883.90 | 873.45 | 889.20 | - |
| Oil and gas extraction | 13 | 16.00 | 16.10 | 17.10 | 17.37 | - | 729.60 | 726.11 | 728.46 | 739.96 | - |
| Crude petroleum and natural gas .......................... | 131 | 21.74 | 21.99 | 23.16 | 23.48 | - | 934.82 | 914.78 | 951.88 | 986.16 | - |
| Oil and gas field services ....................................... | 138 | 13.35 | 13.47 | 14.05 | 14.14 | - | 626.12 | 630.40 | 608.37 | 608.02 | - |
| Nonmetallic minerals, except fuels | 14 | 14.32 | 14.36 | 14.96 | 14.98 | - | 670.18 | 669.18 | 703.12 | 684.59 | - |
| Crushed and broken stone .................................. | 142 | 13.69 | 13.72 | 14.24 | 14.13 | - | 663.97 | 658.56 | 703.46 | 676.83 |  |
| Construction ....................................................... |  | 16.28 | 16.37 | 16.86 | 16.80 | 16.83 | 615.38 | 630.25 | 674.40 | 646.80 | 659.74 |
| General building contractors .................................. | 15 | 15.55 | 15.67 | 16.15 | 16.17 | - | 584.68 | 598.59 | 625.01 | 612.84 | - |
| Residential building construction .......................... | 152 | 14.46 | 14.62 | 15.05 | 15.04 | - | 527.79 | 536.55 | 561.37 | 553.47 | - |
| Operative builders ............................................. | 153 | 15.21 | 15.38 | 15.38 | 15.47 | - | 567.33 | 582.90 | 575.21 | 566.20 | - |
| Nonresidential building construction ...................... | 154 | 16.62 | 16.66 | 17.23 | 17.29 | - | 643.19 | 661.40 | 692.65 | 676.04 | - |
| Heavy construction, except building ........................ | 16 | 15.74 | 15.59 | 16.75 | 16.49 | - | 620.16 | 637.63 | 745.38 | 679.39 | - |
| Highway and street construction | 161 | 15.74 | 15.33 | 16.87 | 16.28 | - | 588.68 | 594.80 | 765.90 | 656.08 | - |
| Heavy construction, except highway ..................... | 162 | 15.73 | 15.67 | 16.69 | 16.58 | - | 632.35 | 651.87 | 736.03 | 689.73 | - |
| Special trade contractors ...................................... | 17 | 16.65 | 16.78 | 17.12 | 17.09 | - | 626.04 | 639.32 | 671.10 | 651.13 | - |
| Plumbing, heating, and air conditioning .................. | 179 | 16.80 | 17.06 | 17.37 | 17.24 | - | 658.56 | 677.28 | 691.33 | 677.53 | - |
| Painting and paper hanging ................................. | 172 | 15.00 | 15.01 | 15.64 | 15.57 | - | 547.50 | 552.37 | 588.06 | 568.31 | - |
| Electrical work ................. | 173 | 18.08 | 18.21 | 18.70 | 18.64 | - | 715.97 | 733.86 | 749.87 | 740.01 | - |
| Masonry, stonework, and plastering ...................... | 174 | 16.44 | 16.48 | 16.83 | 16.89 | - | 575.40 | 583.39 | 622.71 | 604.66 | - |
| Carpentry and floor work .................................... | 175 | 16.35 | 16.67 | 16.56 | 16.75 | - | 583.70 | 603.45 | 614.38 | 619.75 | - |
| Roofing, siding, and sheet metal work .................... | 176 | 14.57 | 14.61 | 14.94 | 14.91 | - | 476.44 | 486.51 | 546.80 | 508.43 | - |
| Manufacturing ..................................................... |  | 13.36 | 13.47 | 13.54 | 13.60 | 13.69 | 569.14 | 579.21 | 567.33 | 572.56 | 583.19 |
| Durable goods .................................................. |  | 13.95 | 14.07 | 14.03 | 14.08 | 14.17 | 604.04 | 617.67 | 596.28 | 601.22 | 613.56 |
| Lumber and wood products .................................. | 24 | 10.91 | 10.93 | 11.23 | 11.26 | 11.34 | 451.67 | 450.32 | 466.05 | 467.29 | 474.01 |
| Logging | 241 | 12.38 | 12.24 | 12.85 | 12.84 | - | 498.91 | 498.17 | 540.99 | 520.02 | - |
| Sawmills and planing mills ................................. | 242 | 10.95 | 10.98 | 11.18 | 11.19 | - | 463.19 | 465.55 | 475.15 | 475.58 | - |
| Sawmills and planing mills, general .................... | 2421 | 11.40 | 11.42 | 11.64 | 11.64 | - | 486.78 | 486.49 | 499.36 | 499.36 | - |
| Hardwood dimension and flooring mills .............. | 2426 | 9.20 | 9.31 | 9.51 | 9.61 | - | 379.04 | 387.30 | 392.76 | 397.85 | - |
| Millwork, plywood, and structural members ........... | 243 | 11.04 | 11.04 | 11.34 | 11.41 | - | 465.89 | 460.37 | 474.01 | 483.78 | - |
| Milliwork ................... | 2431 | 11.16 | 11.06 | 11.46 | 11.52 | - | 467.60 | 455.67 | 474.44 | 487.30 | - |
| Wood kitchen cabinets .................................... | 2434 | 10.80 | 10.91 | 11.13 | 11.22 | - | 451.44 | 452.77 | 454.10 | 463.39 | - |
| Hardwood veneer and plywood ......................... | 2435 | 9.62 | 9.80 | 10.09 | 10.16 | - | 406.93 | 421.40 | 430.84 | 436.88 | - |
| Softwood veneer and plywood .......................... | 2436 | 13.24 | 13.21 | 13.55 | 13.59 | - | 594.48 | 582.56 | 586.72 | 602.04 | - |
| Wood containers | 244 | 8.55 | 8.61 | 9.05 | 8.99 | - | 339.44 | 343.54 | 352.95 | 351.51 | - |
| Wood buildings and mobile homes. | 245 | 11.11 | 11.30 | 11.47 | 11.49 | - | 439.96 | 436.18 | 461.09 | 452.71 | - |
| Mobile homes ................................................ | 2451 | 11.31 | 11.53 | 11.63 | 11.67 | - | 447.88 | 443.91 | 469.85 | 459.80 | - |
| Miscellaneous wood products ............................ | 249 | 10.28 | 10.37 | 10.52 | 10.59 | - | 420.45 | 421.02 | 428.16 | 436.31 | - |
| Furniture and fixtures | 25 | 10.69 | 10.79 | 10.99 | 10.98 | 11.10 | 440.43 | 454.26 | 448.39 | 447.98 | 461.76 |
| Household furniture | 251 | 10.10 | 10.19 | 10.35 | 10.39 | - | 405.01 | 419.83 | 411.93 | 413.52 | - |
| Wood household furniture | 2511 | 9.60 | 9.65 | 9.98 | 10.01 | - | 387.84 | 398.55 | 402.19 | 405.41 | - |
| Upholstered household furniture ....................... | 2512 | 10.76 | 10.97 | 11.11 | 11.15 | - | 427.17 | 459.64 | 438.85 | 434.85 | - |
| Metal household furniture | 2514 | 9.82 | 9.75 | 9.80 | 9.76 | - | 410.48 | 397.80 | 389.06 | 389.42 | - |
| Mattresses and bedsprings ............................... | 2515 | 10.70 | 10.67 | 10.67 | 10.84 | - | 414.09 | 417.20 | 405.46 | 419.51 | - |
| Office furniture ................... | 252 | 11.79 | 11.85 | 11.81 | 11.88 | - | 518.76 | 537.99 | 513.74 | 522.72 | - |
| Public building and related furniture | 253 | 11.63 | 11.75 | 12.27 | 12.22 | - | 474.50 | 482.93 | 515.34 | 497.35 | - |
| Partitions and fixtures | 254 | 11.39 | 11.55 | 11.79 | 11.61 | - | 488.63 | 497.81 | 503.43 | 489.94 | - |
| Miscellaneous furniture and fixtures ..................... | 259 | 10.76 | 10.80 | 11.04 | 11.06 | - | 460.53 | 467.64 | 433.87 | 454.57 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ \text { 1998p } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 p \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 199 \mathrm{p}^{2} \end{gathered}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Stone, clay, and glass products | 32 | 43.1 | 43.7 | 44.0 | 43.6 | 43.7 | 5.8 | 5.8 | 6.9 | 6.3 | - |
| Flat glass | 321 | 45.9 | 46.0 | 42.8 | 42.6 | - | 7.2 | 7.2 | 7.2 | 6.9 | - |
| Glass and glassware, pressed or blown ............... | 322 | 43.0 | 43.3 | 42.4 | 42.9 | - | 5.0 | 4.8 | 5.3 | 5.5 | - |
| Giass containers | 3221 | 44.9 | 45.8 | 44.3 | 44.6 | - | 6.4 | 6.4 | 6.7 | 6.7 | - |
| Pressed and blown glass, nec | 3229 | 41.9 | 41.8 | 41.2 | 41.9 | - | 4.1 | 3.8 | 4.4 | 4.8 | - |
| Products of purchased glass | 323 | 42.7 | 43.3 | 43.7 | 43.8 | - | 5.5 | 5.4 | 5.7 | 5.3 | - |
| Cement, hydraulic ............... | 324 | 46.1 | 45.5 | 44.3 | 44.9 | - | 6.1 | 5.7 | 5.8 | 5.4 | - |
| Structural clay products | 325 | 42.5 | 42.7 | 41.7 | 42.2 | - | 4.8 | 4.7 | 5.2 | 5.0 | - |
| Pottery and related products .............................. | 326 | 42.2 | 42.4 | 41.4 | 41.8 | - | 5.7 | 5.2 | 5.0 | 4.9 | - |
| Concrete, gypsum, and plaster products ............... | 327 | 43.1 | 43.9 | 46.5 | 45.0 | - | 6.3 | 6.5 | 9.2 | 7.9 | - |
| Concrete block and brick ................................. | 3271 | 45.3 | 44.7 | 48.5 | 47.3 | - | 7.7 | 7.3 | 10.4 | 9.8 | - |
| Concrete products, nec | 3272 | 43.1 | 44.5 | 45.3 | 45.2 | - | 6.0 | 6.4 | 8.1 | 7.7 | - |
| Ready-mixed concrete ..................................... | 3273 | 41.8 | 42.5 | 46.6 | 43.9 | - | 5.9 | 6.0 | 9.6 | 7.4 | - |
| Misc. nonmetallic mineral products ..................... | 329 | 43.4 | 44.3 | 42.3 | 42.8 | - | 5.6 | 5.9 | 5.4 | 5.4 | - |
| Abrasive products .......................................... | 3291 | 43.9 | 44.2 | 41.8 | 42.0 | - | 4.2 | 4.5 | 2.8 | 2.8 | - |
| Asbestos products .......................................... | 3292 | 47.6 | 48.5 | 48.3 | 49.0 | - | 8.4 | 8.7 | 11.4 | 11.3 | - |
| Primary metal industries | 33 | 45.5 | 46.1 | 43.6 | 44.1 | 44.7 | 7.0 | 7.3 | 6.1 | 6.2 | - |
| Blast furnaces and basic steel products ................ | 331 | 45.5 | 46.0 | 43.2 | 43.1 | 44.1 | 6.6 | 6.7 | 5.3 | 5.1 | - |
| Blast furnaces and steel mills ........................... | 3312 | 45.9 | 46.2 | 43.3 | 43.2 | - | 6.8 | 6.8 | 5.5 | 5.2 | - |
| Steel pipe and tubes | 3317 | 45.3 | 46.4 | 43.8 | 43.6 | - | 7.1 | 7.8 | 5.5 | 5.4 | - |
| Iron and steel foundries | 332 | 46.6 | 47.8 | 44.3 | 45.0 | - | 7.6 | 8.1 | 6.3 | 6.4 | - |
| Gray and ductile iron foundries | 3321 | 47.4 | 48.6 | 45.0 | 45.6 | - | 8.6 | 9.1 | 7.2 | 7.3 | - |
| Malleable iron foundries | 3322 | 54.6 | 53.6 | 46.2 | 46.5 | - | 10.7 | 9.8 | 7.8 | 7.7 | - |
| Steel foundries. nec | 3325 | 44.2 | 45.5 | 43.2 | 44.0 | - | 5.6 | 6.7 | 5.1 | 5.3 | - |
| Primary nonferrous metals ................................ | 333 | 45.0 | 45.1 | 42.3 | 43.7 | - | 6.7 | 6.2 | 6.4 | 7.3 | - |
| Primary aluminum ............................................ | 3334 | 44.6 | 45.2 | 43.5 | 44.7 | - | 6.6 | 6.2 | 7.3 | 8.2 | - |
| Nonferrous rolling and drawing ............................ | 335 | 46.0 | 46.2 | 43.7 | 44.5 | - | 8.2 | 8.4 | 7.2 | 7.5 | - |
| Copper rolling and drawing ................................ | 3351 | 44.8 | 44.9 | 43.0 | 44.6 | - | 7.9 | 8.0 | 7.2 | 8.7 | - |
| Aluminum sheet, plate, and foil ........................ | 3353 | 47.3 | 47.5 | 42.8 | 43.2 | - | 10.8 | 10.4 | 9.6 | 9.4 | - |
| Nonferrous wire drawing and insulating .............. | 3357 | 46.2 | 46.7 | 44.2 | 44.9 | - | 7.9 | 8.4 | 7.0 | 7.1 | - |
| Nonferrous foundries (castings) .......................... | 336 | 44.0 | 44.7 | 43.9 | 44.5 | - | 5.6 | 6.2 | 5.6 | 5.8 | - |
| Aluminum foundries ........................................ | 3365 | 44.1 | 44.2 | 44.5 | 45.2 | - | 5.6 | 5.5 | 6.0 | 6.1 | - |
| Fabricated metal products ................................... | 34 | 43.3 | 44.0 | 42.6 | 42.8 | 43.6 | 5.5 | 5.8 | 5.0 | 4.9 | - |
| Metal cans and shipping containers ..................... | 341 | 43.3 | 43.9 | 43.8 | 43.8 | - | 5.8 | 5.7 | 6.7 | 6.5 | - |
| Metal cans ................................................... | 3411 | 43.7 | 44.7 | 43.8 | 43.7 | _ | 5.7 | 5.7 | 6.7 | 6.5 | - |
| Cutlery, handtools, and hardware | 342 | 44.1 | 44.7 | 42.8 | 42.9 | - | 5.3 | 5.6 | 4.6 | 4.5 | - |
| Hand and edge tools, and blades and handsaws | 3423,5 | 44.2 | 44.9 | 43.7 | 44.1 | - | 5.2 | 5.4 | 5.2 | 5.3 | - |
| Hardware, nec ................................................ | 3429 | 44.1 | 44.8 | 42.4 | 42.2 | - | 5.4 | 5.8 | 4.2 | 4.1 | - |
| Plumbing and heating, except electric .................. | 343 | 41.9 | 42.8 | 43.3 | 43.3 | - | 4.8 | 5.2 | 4.3 | 4.0 | - |
| Piumbing fixture fittings and trim ........................ | 3432 | 41.6 | 43.3 | 41.6 | 41.4 | - | 4.4 | 5.6 | 3.3 | 3.3 | - |
| Heating equipment, except electric .................... | 3433 | 42.7 | 42.9 | 42.7 | 43.7 | - | 5.1 | 5.2 | 5.5 | 5.0 | - |
| Fabricated structural metal products .................... | 344 | 42.8 | 43.4 | 42.5 | 42.8 | - | 5.2 | 5.3 | 5.2 | 5.2 | - |
| Fabricated structural metal ............................... | 3441 | 43.5 | 44.5 | 44.0 | 44.7 | - | 6.5 | 6.9 | 7.3 | 7.0 | - |
| Metal doors, sash, and trim .............................. | 3442 | 41.8 | 41.8 | 41.9 | 41.9 | - | 3.9 | 3.9 | 4.3 | 4.0 | - |
| Fabricated plate work (boiler shops) .................. | 3443 | 44.3 | 45.1 | 42.6 | 43.3 | - | 6.0 | 6.1 | 5.2 | 5.3 | - |
| Sheet metal work | 3444 | 41.5 | 42.4 | 41.5 | 41.6 | - | 4.4 | 4.6 | 4.3 | 4.2 | - |
| Architectural metal work ................................... | 3446 | 42.3 | 42.7 | 42.2 | 42.7 | - | 4.5 | 4.6 | 4.9 | 5.2 | - |
| Screw machine products, bolts, etc ...................... | 345 | 44.6 | 45.7 | 43.0 | 43.3 | - | 6.4 | 7.1 | 5.3 | 5.1 | - |
| Screw machine products ................................. | 3451 | 43.3 | 43.9 | 41.7 | 41.6 | - | 5.8 | 6.2 | 4.6 | 4.3 | - |
| Bolts, nuts, rivets, and washers ......................... | 3452 | 46.1 | 47.8 | 44.6 | 45.4 | - | 7.2 | 8.1 | 6.2 | 6.0 | - |
| Metal forgings and stampings ............................. | 346 | 44.6 | 45.2 | 43.7 | 43.7 | - | 6.7 | 6.9 | 5.7 | 5.6 | - |
| iron and steel forgings ..................................... | 3462 | 46.4 | 47.1 | 43.5 | 44.3 | - | 7.7 | 7.8 | 5.7 | 5.9 | - |
| Automotive stampings ..................................... | 3465 | 45.3 | 45.9 | 44.9 | 44.6 | - | 7.3 | 7.6 | 6.3 | 6.2 | - |
| Metal stampings, nec ....................................... | 3469 | 42.6 | 42.9 | 41.4 | 41.6 | - | 5.1 | 5.3 | 4.3 | 4.3 | - |
| Metal services, nec ........................................... | 347 | 41.8 | 42.7 | 41.8 | 41.7 | - | 5.1 | 5.6 | 5.2 | 4.9 | - |
| Plating and polishing | 3471 | 41.3 | 42.0 | 41.5 | 41.5 | - | 4.8 | 5.3 | 5.1 | 4.9 | - |
| Metal coating and allied services ........................ | 3479 | 42.7 | 43.8 | 42.3 | 42.0 | - | 5.6 | 6.0 | 5.3 | 4.9 | - |
| Ordnance and accessories, nec ......................... | 348 | 41.0 | 41.0 | 40.5 | 40.6 | - | 3.7 | 3.7 | 3.3 | 3.6 | - |
| Ammunition, except for small arms, nec .............. | 3483 | 41.5 | 42.3 | 42.7 | 41.8 | - | 3.8 | 4.0 | 3.4 | 3.4 | - |
| Misc. fabricated metal products ........................... | 349 | 43.4 | 44.1 | 41.5 | 41.9 | - | 5.1 | 5.4 | 3.9 | 3.9 | - |
| Valves and pipe fittings, nec .............................. | 3494 | 43.3 | 43.5 | 41.6 | 41.8 | - | 5.1 | 4.5 | 4.2 | 4.0 | - |
| Misc. fabricated wire products .......................... | 3496 | 41.0 | 41.8 | 40.3 | 40.5 | - | 3.5 | 3.9 | 3.7 | 3.8 | - |

See footnotes at end of table.

## ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. $1998^{p}$ | $\begin{gathered} \text { Dec. } \\ 1998^{p} \end{gathered}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Stone, clay, and glass products | 32 | \$13.36 | \$13.39 | \$13.68 | \$13.67 | \$13.72 | \$575.82 | \$585.14 | \$601.92 | \$596.01 | \$599.56 |
| Flat glass ....................................................... | 321 | 18.90 | 19.16 | 17.95 | 18.05 | - | 867.51 | 881.36 | 768.26 | 768.93 | - |
| Glass and glassware, pressed or blown ................ | 322 | 15.15 | 15.24 | 15.57 | 15.56 | - | 651.45 | 659.89 | 660.17 | 667.52 | - |
| Glass containers | 3221 | 15.82 | 15.86 | 16.53 | 16.41 | - | 710.32 | 726.39 | 732.28 | 731.89 | - |
| Pressed and blown glass, nec | 3229 | 14.70 | 14.82 | 14.93 | 15.00 | - | 615.93 | 619.48 | 615.12 | 628.50 | - |
| Products of purchased glass ... | 323 | 12.10 | 12.06 | 12.21 | 12.10 | - | 516.67 | 522.20 | 533.58 | 529.98 | - |
| Cement, hydraulic ............... | 324 | 18.32 | 17.82 | 18.82 | 19.16 | - | 844.55 | 810.81 | 833.73 | 860.28 | - |
| Structural clay products | 325 | 11.48 | 11.59 | 12.14 | 12.05 | - | 487.90 | 494.89 | 506.24 | 508.51 | - |
| Pottery and related products | 326 | 11.63 | 11.67 | 11.78 | 11.87 | - | 490.79 | 494.81 | 487.69 | 496.17 |  |
| Concrete, gypsum, and plaster products ............... | 327 | 12.74 | 12.80 | 13.37 | 13.26 | - | 549.09 | 561.92 | 621.71 | 596.70 | - |
| Concrete block and brick ................................. | 3271 | 12.34 | 12.35 | 12.65 | 12.51 | - | 559.00 | 552.05 | 613.53 | 591.72 | - |
| Concrete products, nec | 3272 | 11.39 | 11.49 | 11.98 | 11.85 | - | 490.91 | 511.31 | 542.69 | 535.62 |  |
| Ready-mixed concrete | 3273 | 13.52 | 13.61 | 14.23 | 14.13 | - | 565.14 | 578.43 | 663.12 | 620.31 | - |
| Misc. nonmetallic mineral products ...................... | 329 | 13.75 | 13.76 | 13.66 | 13.82 | - | 596.75 | 609.57 | 577.82 | 591.50 | - |
| Abrasive products ........................................... | 3291 | 12.27 | 12.24 | 12.50 | 12.66 | - | 538.65 | 541.01 | 522.50 | 531.72 | - |
| Asbestos products .................................................. | 3292 | 15.90 | 15.66 | 15.37 | 15.13 | - | 756.84 | 759.51 | 742.37 | 741.37 | - |
| Primary metal industries | 33 | 15.38 | 15.42 | 15.31 | 15.31 | 15.38 | 699.79 | 710.86 | 667.52 | 675.17 | 687.49 |
| Blast furnaces and basic steel products ............... | 331 | 18.28 | 18.15 | 18.21 | 18.30 | 18.18 | 831.74 | 834.90 | 786.67 | 788.73 | 801.74 |
| Blast furnaces and steel mills ............................ | 3312 | 19.95 | 19.75 | 19.94 | 20.03 | - | 915.71 | 912.45 | 863.40 | 865.30 | - |
| Steel pipe and tubes | 3317 | 14.27 | 14.30 | 13.79 | 13.87 | - | 646.43 | 663.52 | 604.00 | 604.73 | - |
| Iron and steel foundries | 332 | 14.06 | 14.19 | 13.92 | 13.79 | - | 655.20 | 678.28 | 616.66 | 620.55 | - |
| Gray and ductile iron foundries | 3321 | 15.05 | 15.18 | 14.48 | 14.30 | - | 713.37 | 737.75 | 651.60 | 652.08 | - |
| Malleable iron foundries ......... | 3322 | 15.13 | 15.96 | 14.79 | 14.13 | - | 826.10 | 855.46 | 683.30 | 657.05 | - |
| Steel foundries, nec | 3325 | 12.86 | 12.94 | 13.64 | 13.58 | - | 568.41 | 588.77 | 589.25 | 597.52 | - |
| Primary nonferrous metals | 333 | 16.89 | 16.91 | 17.18 | 17.21 | - | 760.05 | 762.64 | 726.71 | 752.08 | - |
| Primary aluminum .... | 3334 | 17.02 | 17.01 | 17.10 | 17.14 | - | 759.09 | 768.85 | 743.85 | 766.16 | - |
| Nonferrous rolling and drawing | 335 | 14.58 | 14.72 | 14.36 | 14.38 | - | 670.68 | 680.06 | 627.53 | 639.91 | - |
| Copper rolling and drawing ... | 3351 | 14.78 | 15.09 | 15.31 | 15.45 | - | 662.14 | 677.54 | 658.33 | 689.07 | - |
| Aluminum sheet, plate, and foil | 3353 | 16.90 | 16.73 | 16.55 | 16.54 | - | 799.37 | 794.68 | 708.34 | 714.53 | - |
| Nonferrous wire drawing and insulating | 3357 | 14.59 | 14.83 | 14.24 | 14.03 | - | 674.06 | 692.56 | 629.41 | 629.95 | - |
| Nonierrous foundries (castings) .......................... | 336 | 12.03 | 12.28 | 12.32 | 12.39 | - | 529.32 | 548.92 | 540.85 | 551.36 | - |
| Aluminum foundries ......................................... | 3365 | 11.54 | 11.81 | 11.84 | 11.96 | - | 508.91 | 522.00 | 526.88 | 540.59 |  |
| Fabricated metal products | 34 | 12.93 | 13.03 | 13.19 | 13.23 | 13.36 | 559.87 | 573.32 | 561.89 | 566.24 | 582.50 |
| Metal cans and shipping containers ........................................ | 341 | 16.24 | 16.49 | 16.65 | 16.69 | - | 703.19 | 723.91 | 729.27 | 731.02 | - |
| Metal cans ................ | 3411 | 17.26 | 17.48 | 17.77 | 17.84 | - | 754.26 | 781.36 | 778.33 | 779.61 | - |
| Cutlery, handtools, and hardware ........................ | 342 | 12.34 | 12.45 | 12.18 | 12.32 | - | 544.19 | 556.52 | 521.30 | 528.53 | - |
| Hand and edge tools, and blades and handsaws | 3423,5 | 12.11 | 12.22 | 12.44 | 12.46 | - | 535.26 | 548.68 | 543.63 | 549.49 | - |
| Hardware, nec ............................................... | 3429 | 12.51 | 12.69 | 12.16 | 12.35 | - | 551.69 | 568.51 | 515.58 | 521.17 | - |
| Plumbing and heating, except electric .................. | 343 | 11.94 | 12.04 | 11.90 | 11.93 | - | 500.29 | 515.31 | 515.27 | 516.57 | - |
| Plumbing fixture fittings and trim ....................... | 3432 | 11.71 | 11.67 | 11.47 | 11.64 | - | 487.14 | 505.31 | 477.15 | 481.90 | - |
| Heating equipment, except electric .................... | 3433 | 11.82 | 11.87 | 12.39 | 12.31 | - | 504.71 | 509.22 | 529.05 | 537.95 | - |
| Fabricated structural metal products .................... | 344 | 12.31 | 12.36 | 12.64 | 12.65 | - | 526.87 | 536.42 | 537.20 | 541.42 | - |
| Fabricated structural metal ........... | 3441 | 12.50 | 12.56 | 13.11 | 12.98 | - | 543.75 | 558.92 | 576.84 | 580.21 | - |
| Metal doors, sash, and trim | 3442 | 10.49 | 10.58 | 10.68 | 10.71 | - | 438.48 | 442.24 | 447.49 | 448.75 | - |
| Fabricated plate work (boiler shops) .................. | 3443 | 13.66 | 13.60 | 13.96 | 14.07 | - | 605.14 | 613.36 | 594.70 | 609.23 | - |
| Sheet metal work .......... | 3444 | 12.54 | 12.62 | 12.90 | 12.87 | - | 520.41 | 535.09 | 535.35 | 535.39 | - |
| Architectural metal work | 3446 | 11.69 | 11.73 | 11.89 | 12.09 | - | 494.49 | 500.87 | 501.76 | 516.24 | - |
| Screw machine producis, bolts, elc | 345 | 13.05 | 13.13 | 13.43 | 13.48 | - | 582.03 | 600.04 | 577.49 | 583.68 | - |
| Screw machine products | 3451 | 12.46 | 12.49 | 12.72 | 12.71 | - | 539.52 | 548.31 | 530.42 | 528.74 | - |
| Bolts, nuts, rivets, and washers ......................... | 3452 | 13.70 | 13.83 | 14.22 | 14.31 | - | 631.57 | 661.07 | 634.21 | 649.67 | - |
| Metal forgings and stampings | 346 | 15.20 | 15.38 | 15.49 | 15.49 | - | 677.92 | 695.18 | 676.91 | 676.91 | - |
| Iron and steel forgings | 3462 | 14.52 | 14.64 | 14.71 | 14.71 | - | 673.73 | 689.54 | 639.89 | 651.65 | - |
| Automotive stampings | 3465 | 17.45 | 17.74 | 17.85 | 17.86 | - | 790.49 | 814.27 | 801.47 | 796.56 | - |
| Metal stampings. nec. | 3469 | 12.41 | 12.49 | 12.66 | 12.72 | - | 528.67 | 535.82 | 524.12 | 529.15 | - |
| Metal services, nec. | 347 | 10.84 | 10.98 | 11.26 | 11.23 | - | 453.11 | 468.85 | 470.67 | 468.29 | - |
| Plating and polishing | 3471 | 10.73 | 10.84 | 11.13 | 11.15 | - | 443.15 | 455.28 | 461.90 | 462.73 | - |
| Metal coating and allied services ....................... | 3479 | 11.02 | 11.19 | 11.47 | 11.35 | - | 470.55 | 490.12 | 485.18 | 476.70 | - |
| Ordnance and accessories, nec ......................... | 348 | 15.50 | 15.33 | 15.36 | 15.67 | - | 635.50 | 628.53 | 622.08 | 636.20 | - |
| Ammunition, except for small arms, nec | 3483 | 16.50 | 15.87 | 16.34 | 16.73 | - | 684.75 | 671.30 | 697.72 | 699.31 | - |
| Misc. fabricated metal products | 349 | 12.35 | 12.43 | 12.61 | 12.68 | - | 535.99 | 548.16 | 523.32 | 531.29 | - |
| Valves and pipe fittings, nec .............................. | 3494 | 12.53 | 12.55 | 12.91 | 12.91 | - | 542.55 | 545.93 | 537.06 | 539.64 | - |
| Misc. fabricated wire products ........................... | 3496 | 10.92 | 10.98 | 11.26 | 11.30 | - | 447.72 | 458.96 | 453.78 | 457.65 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998^{p} \end{aligned}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Industrial machinery and equipment ...................... | 35 | 44.0 | 44.8 | 42.4 | 42.6 | 43.0 | 5.9 | 6.5 | 4.8 | 4.9 | - |
| Engines and turbines ................... | 351 | 45.4 | 46.5 | 43.6 | 44.8 | - | 6.7 | 7.6 | 5.9 | 7.0 | _ |
| Turbines and turbine generator sets ................... | 3511 | 43.2 | 45.0 | 43.4 | 44.7 | - | 5.8 | 7.2 | 4.8 | 5.9 | - |
| Intemal combustion engines, nec. | 3519 | 46.2 | 47.0 | 43.6 | 44.8 | - | 7.1 | 7.8 | 6.3 | 7.3 | - |
| Farm and garden machinery ....... | 352 | 42.9 | 44.3 | 40.9 | 40.9 | - | 5.0 | 5.7 | 2.9 | 2.7 | - |
| Farm machinery and equipment | 3523 | 43.6 | 44.5 | 41.5 | 41.4 | - | 5.5 | 6.0 | 3.0 | 2.7 | - |
| Construction and related machinery ..................... | 353 | 45.1 | 45.9 | 43.3 | 43.1 | - | 6.4 | 6.8 | 5.1 | 5.2 | - |
| Construction machinery .................................... | 3531 | 44.1 | 44.9 | 42.5 | 42.6 | - | 5.3 | 5.9 | 4.3 | 4.4 | - |
| Mining machinery ........................................... | 3532 | 42.7 | 43.2 | 41.4 | 40.6 | - | 4.8 | 5.1 | 3.5 | 3.4 | - |
| Oil and gas field machinery .............................. | 3533 | 49.9 | 50.3 | 46.3 | 44.9 | - | 10.5 | 10.3 | 7.7 | 7.0 | - |
| Conveyors and conveying equipment ................. | 3535 | 43.4 | 45.1 | 42.0 | 42.9 | - | 5.5 | 6.2 | 4.5 | 5.5 | - |
| Industrial trucks and tractors | 3537 | 42.2 | 42.6 | 42.6 | 41.3 | - | 4.5 | 4.6 | 4.5 | 4.3 | - |
| Metalworking machinery .................................... | 354 | 44.5 | 45.4 | 43.0 | 43.4 | - | 6.6 | 7.2 | 5.4 | 5.6 | - |
| Machine tools, metal cutting types .................... | 3541 | 44.4 | 45.8 | 42.9 | 42.7 | - | 6.6 | 7.0 | 5.0 | 4.9 | - |
| Machine tools, metal forming types | 3542 | 45.9 | 47.4 | 43.9 | 44.2 | - | 7.0 | 8.1 | 5.7 | 5.9 | - |
| Special dies, tools, jigs, and fixtures | 3544 | 44.4 | 45.4 | 43.6 | 44.0 | - | 7.1 | 7.7 | 6.2 | 6.4 | - |
| Machine tool accessories | 3545 | 43.7 | 45.0 | 41.7 | 42.3 | - | 5.2 | 5.9 | 3.9 | 4.1 | - |
| Power driven handtools | 3546 | 43.8 | 44.1 | 41.6 | 43.3 | - | 5.3 | 5.7 | 3.7 | 4.7 | - |
| Special industry machinery ................................. | 355 | 43.7 | 44.3 | 41.8 | 42.1 | - | 5.7 | 6.1 | 4.6 | 4.6 | - |
| Textile machinery | 3552 | 41.7 | 42.4 | 39.5 | 40.2 | - | 4.2 | 4.8 | 3.3 | 3.8 | - |
| Printing trades machinery | 3555 | 43.0 | 42.6 | 41.3 | 42.5 | - | 5.4 | 5.5 | 4.5 | 4.9 | - |
| Food products machinery | 3556 | 42.2 | 44.0 | 42.4 | 42.7 | - | 4.8 | 5.4 | 5.0 | 5.0 | - |
| General industrial machinery | 356 | 43.8 | 44.7 | 41.8 | 42.0 | - | 5.6 | 6.3 | 4.4 | 4.3 | - |
| Pumps and pumping equipment | 3561 | 42.9 | 43.0 | 40.4 | 41.6 | - | 5.1 | 5.7 | 3.9 | 4.2 | - |
| Ball and roller bearings | 3562 | 43.9 | 44.9 | 42.6 | 42.0 | - | 6.8 | 7.6 | 5.3 | 4.9 | - |
| Air and gas compressors | 3563 | 44.1 | 44.6 | 42.6 | 43.2 | - | 5.5 | 6.3 | 4.8 | 4.8 | - |
| Blowers and fans ........... | 3564 | 44.3 | 45.4 | 42.8 | 43.2 | - | 5.0 | 5.6 | 3.7 | 3.8 | - |
| Speed changers, drives, and gears | 3566 | 44.5 | 46.7 | 41.6 | 41.3 | - | 6.4 | 7.8 | 5.0 | 4.5 | - |
| Power transmission equipment, nec .................... | 3568 | 43.1 | 43.8 | 41.2 | 41.1 | - | 5.8 | 6.0 | 3.8 | 3.4 | - |
| Computer and office equipment .......................... | 357 | 42.8 | 42.8 | 42.3 | 42.3 | - | 4.4 | 5.3 | 4.3 | 4.5 | - |
| Electronic computers | 3571 | 42.8 | 43.0 | 42.6 | 42.1 | - | 4.1 | 5.7 | 4.6 | 4.9 | - |
| Computer terminals, calculators, and office machines, nec $\qquad$ | 3575,8,9 | 42.6 | 44.5 | 42.3 | 42.6 | - | 5.1 | 6.2 | 4.5 | 4.7 | - |
| Refrigeration and service machinery .................... | 358 | 44.8 | 45.8 | 42.5 | 42.4 | - | 5.4 | 5.9 | 4.2 | 4.2 | - |
| Reirigeration and heating equipment | 3585 | 45.4 | 46.4 | 42.9 | 42.5 | - | 5.8 | 6.3 | 4.6 | 4.5 | - |
| Misc. industrial and commercial machinery ............ | 359 | 43.5 | 44.4 | 42.1 | 42.6 | - | 6.2 | 6.7 | 5.0 | 5.0 | - |
| Carburetors, pistons, rings, valves ..................... | 3592 | 41.4 | 43.0 | 41.3 | 41.1 | - | 4.9 | 5.8 | 5.1 | 5.2 | - |
| Scales, balances, and industrial machinery, nec .. | 3596,9 | 43.3 | 44.2 | 42.1 | 42.6 | - | 6.3 | 6.7 | 5.1 | 5.1 | - |
| Electronic and other electrical equipment ................ | 36 | 42.7 | 43.1 | 41.5 | 42.1 | 42.3 | 4.7 | 5.0 | 3.9 | 4.1 | - |
| Electric distribution equipment ................................. | 361 | 42.5 | 42.7 | 40.4 | 41.2 | - | 4.9 | 5.3 | 3.8 | 3.9 | - |
| Transformers, except electronic ........................ | 3612 | 43.4 | 43.9 | 41.8 | 42.3 | - | 4.5 | 4.7 | 3.5 | 3.8 | - |
| Switchgear and switchboard apparatus ............... | 3613 | 41.6 | 41.6 | 39.2 | 40.2 | - | 5.2 | 5.8 | 4.0 | 4.0 | - |
| Electrical industrial apparatus ............................. | 362 | 42.5 | 44.1 | 41.4 | 42.0 | - | 4.1 | 4.8 | 3.5 | 3.5 | - |
| Motors and generators | 3621 | 42.1 | 44.6 | 41.8 | 42.0 | - | 3.7 | 4.8 | 3.6 | 3.4 | - |
| Relays and industrial controls ............................ | 3625 | 42.3 | 42.5 | 40.6 | 41.7 | - | 4.4 | 4.6 | 3.2 | 3.6 | - |
| Household appliances ....................................... | 363 | 41.1 | 42.8 | 40.4 | 40.3 | - | 3.1 | 4.2 | 2.7 | 2.3 | - |
| Household refrigerators and freezers ................. | 3632 | 39.9 | 43.7 | 42.5 | 42.8 | - | 2.1 | 3.1 | 2.7 | 2.6 | - |
| Household laundry equipment ........................... | 3633 | 41.3 | 42.7 | 39.1 | 39.9 | - | 2.2 | 3.4 | 2.6 | 2.3 | - |
| Electric housewares and fans ............................ | 3634 | 42.1 | 42.0 | 40.1 | 40.4 | - | 3.7 | 3.4 | 2.0 | 2.0 | - |
| Electric lighting and wiring equipment .................. | 364 | 42.2 | 43.0 | 41.7 | 42.1 | - | 4.7 | 5.1 | 4.3 | 4.5 | - |
| Electric lamps .......................... | 3641 | 42.4 | 42.4 | 41.0 | 41.5 | - | 4.9 | 4.8 | 4.3 | 4.5 | - |
| Current-carrying wiring devices ......................... | 3643 | 41.9 | 42.1 | 41.9 | 41.2 | - | 4.8 | 4.6 | 4.4 | 4.4 | - |
| Noncurrent-carrying wiring devices .................... | 3644 | 42.7 | 44.4 | 42.4 | 42.9 | - | 3.7 | 4.1 | 4.2 | 4.2 | - |
| Residential lighting fixtures ................................ | 3645 | 39.4 | 40.6 | 39.7 | 40.1 | - | 3.4 | 4.0 | 3.2 | 3.3 | - |
| Household audio and video equipment ................ | 365 | 43.5 | 41.8 | 40.7 | 41.7 | - | 5.8 | 5.0 | 5.2 | 5.5 | - |
| Household audio and video equipment ............... | 3651 | 41.8 | 41.3 | 40.6 | 40.3 | - | 3.9 | 4.1 | 3.9 | 3.8 | - |
| Communications equipment ............................... | 366 | 43.6 | 44.0 | 42.8 | 43.0 | - | 4.6 | 4.7 | 3.5 | 3.6 | - |
| Telephone and telegraph apparatus ................... | 3661 | 45.6 | 45.2 | 44.3 | 45.2 | - | 4.8 | 4.7 | 3.8 | 4.2 | - |
| Electronic components and accessories .............. | 367 | 42.7 | 42.9 | 41.2 | 42.4 | - | 4.9 | 5.0 | 3.9 | 4.3 | - |
| Electron tubes ................................... | 3671 | 41.0 | 41.7 | 42.3 | 43.0 | - | 4.6 | 4.4 | 2.6 | 3.0 | - |
| Semiconductors and related devices | 3674 | 43.5 | 42.8 | 42.0 | 43.3 | - | 5.1 | 5.0 | 4.8 | 5.1 | - |
| Electronic components, nec ............ | 3679 | 42.4 | 42.7 | 41.2 | 42.2 | - | 4.7 | 4.8 | 3.4 | 3.9 | - |
| Misc. electrical equipment and supplies ............... | 369 | 43.2 | 43.6 | 42.7 | 42.6 | - | 5.2 | 5.8 | 5.1 | 5.0 | - |
| Storage batteries ........................................... | 3691 | 43.6 | 43.3 | 44.2 | 44.4 | - | 5.1 | 5.2 | 5.1 | 5.3 | - |
| Engine electrical equipment ............................. | 3694 | 43.2 | 44.5 | 43.3 | 42.6 | - | 5.7 | 7.0 | 6.1 | 5.6 | - |

See footnotes at end of table.

USHMENT DATA
HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolis by detailed industry-Continued

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Average hourly eamings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{p} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998^{p} \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | Nov. $1998^{\circ}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Industrial machinery and equipment | 35 | \$14.30 | \$14.41 | \$14.55 | \$14.63 | \$14.69 | \$629.20 | \$645.57 | \$616.92 | \$623.24 | \$631.67 |
| Engines and furbines .................. | 351 | 16.96 | 17.14 | 17.47 | 17.68 | - | 769.98 | 797.01 | 761.69 | 792.06 |  |
| Turbines and turbine generator sets | 3511 | 20.02 | 20.17 | 19.37 | 19.91 | - | 864.86 | 907.65 | 840.66 | 889.98 | - |
| Internal combustion engines, nec ... | 3519 | 15.95 | 16.10 | 16.87 | 16.98 | - | 736.89 | 756.70 | 735.53 | 760.70 |  |
| Farm and garden machinery ........ | 352 | 14.03 | 13.94 | 13.60 | 13.56 | - | 601.89 | 617.54 | 556.24 | 554.60 |  |
| Farm machinery and equipment | 3523 | 14.80 | 14.76 | 14.24 | 14.25 | - | 645.28 | 656.82 | 590.96 | 589.95 | - |
| Construction and related machinery .................... | 353 | 13.60 | 13.57 | 13.74 | 13.80 | - | 613.36 | 622.86 | 594.94 | 594.78 | - |
| Construction machinery ................................... | 3531 | 14.04 | 13.89 | 13.89 | 13.95 | - | 619.16 | 623.66 | 590.33 | 594.27 | - |
| Mining machinery ........ | 3532 | 14.36 | 14.63 | 14.69 | 14.75 | - | 613.17 | 632.02 | 608.17 | 598.85 | - |
| Oil and gas field machinery | 3533 | 13.42 | 13.30 | 13.86 | 13.68 | - | 669.66 | 668.99 | 641.72 | 614.23 | - |
| Conveyors and conveying equipment | 3535 | 13.66 | 13.81 | 13.95 | 14.31 | - | 592.84 | 622.83 | 585.90 | 613.90 |  |
| Industrial trucks and tractors | 3537 | 12.61 | 12.67 | 12.77 | 12.92 | - | 532.14 | 539.74 | 544.00 | 533.60 | - |
| Metalworking machinery | 354 | 15.06 | 15.24 | 15.43 | 15.55 | - | 670.17 | 691.90 | 663.49 | 674.87 | - |
| Machine tools, metal cutting types | 3541 | 14.78 | 14.75 | 14.99 | 15.13 | - | 656.23 | 675.55 | 643.07 | 646.05 | - |
| Machine tools, metal forming types | 3542 | 15.50 | 15.60 | 15.89 | 16.20 | - | 711.45 | 739.44 | 697.57 | 716.04 |  |
| Special dies, tools, jigs, and fixtures | 3544 | 15.80 | 16.00 | 16.15 | 16.27 | - | 701.52 | 726.40 | 704.14 | 715.88 | - |
| Machine tool accessories .. | 3545 | 13.20 | 13.37 | 13.51 | 13.60 | - | 576.84 | 601.65 | 563.37 | 575.28 | - |
| Power driven handtools | 3546 | 12.40 | 12.53 | 12.65 | 12.71 | - | 543.12 | 552.57 | 526.24 | 550.34 | - |
| Special industry machinery | 355 | 14.86 | 15.15 | 15.14 | 15.19 | - | 649.38 | 671.15 | 632.85 | 639.50 | - |
| Textije machinery ... | 3552 | 12.90 | 13.27 | 13.24 | 13.24 | - | 537.93 | 562.65 | 522.98 | 532.25 | - |
| Printing trades machinery | 3555 | 15.97 | 16.38 | 16.07 | 16.20 | - | 686.71 | 697.79 | 663.69 | 688.50 | - |
| Food products machinery | 3556 | 14.54 | 14.66 | 15.07 | 15.12 | - | 613.59 | 645.04 | 638.97 | 645.62 | - |
| General industrial machinery | 356 | 13.93 | 14.13 | 14.11 | 14.13 | - | 610.13 | 631.61 | 589.80 | 593.46 | - |
| Pumps and pumping equipment | 3561 | 14.63 | 14.94 | 15.04 | 15.07 | - | 627.63 | 642.42 | 607.62 | 626.91 |  |
| Ball and roller bearings | 3562 | 15.21 | 15.38 | 14.91 | 15.03 | - | 667.72 | 690.56 | 635.17 | 631.26 | - |
| Air and gas compressors | 3563 | 14.84 | 15.33 | 14.83 | 14.76 | - | 654.44 | 683.72 | 631.76 | 637.63 | - |
| Blowers and fans | 3564 | 11.67 | 11.80 | 11.56 | 11.59 | - | 516.98 | 535.72 | 494.77 | 500.69 | - |
| Speed changers, drives, and gears | 3566 | 14.92 | 15.06 | 15.18 | 15.09 | - | 663.94 | 703.30 | 631.49 | 623.22 | - |
| Power transmission equipment, nec | 3568 | 13.34 | 13.54 | 13.72 | 13.63 | - | 574.95 | 593.05 | 565.26 | 560.19 | - |
| Computer and office equipment ....... | 357 | 14.74 | 14.73 | 15.73 | 15.94 | - | 630.87 | 630.44 | 665.38 743.37 | 674.26 | - |
| Electronic computers ............ | 3571 | 16.27 | 15.99 | 17.45 | 17.68 | - | 696.36 | 687.57 | 743.37 | 744.33 | $\sim$ |
| Computer terminals, calculators, and office machines, nec $\qquad$ | 3575,8,9 | 13.55 | 13.58 | 13.94 | 14.36 | - | 577.23 | 604.31 | 589.66 | 611.74 | - |
| Refrigeration and service machinery | 358 | 13.30 | 13.34 | 12.95 | 13.10 | - | 595.84 | 610.97 | 550.38 | 555.44 | - |
| Refrigeration and heating equipment | 3585 | 13.74 | 13.80 | 13.25 | 13.42 | - | 623.80 | 640.32 | 568.43 | 570.35 | - |
| Misc. industrial and commercial machinery | 359 | 13.89 | 14.07 | 14.15 | 14.12 | - | 604.22 | 624.71 | 595.72 | 601.51 | - |
| Carburetors, pistons, rings, valves ...... | 3592 | 14.56 | 14.61 | 14.40 | 14.67 | - | 602.78 | 628.23 | 594.72 | 602.94 | - |
| Scales, balances, and industrial machinery, nec .. | 3596,9 | 13.75 | 13.88 | 14.04 | 13.97 | - | 595.38 | 613.50 | 591.08 | 595.12 | - |
| Electronic and other electrical equipment | 36 | 13.00 | 13.13 | 13.14 | 13.19 | 13.31 | 555.10 | 565.90 | 545.31 | 555.30 | 563.01 |
| Electric distribution equipment .............. | 361 | 12.90 | 13.05 | 13.17 | 13.30 | - | 548.25 | 557.24 | 532.07 | 547.96 | - |
| Transformers, except electronic .......... | 3612 | 11.90 | 12.02 | 12.07 | 12.08 | - | 516.46 | 527.68 | 504.53 | 510.98 | - |
| Switchgear and switchboard apparatus | 3613 | 13.90 | 14.08 | 14.17 | 14.38 | - | 578.24 | 585.73 | 555.46 | 578.08 | - |
| Electrical industrial apparatus ... | 362 | 12.38 | 12.55 | 12.47 | 12.64 | - | 526.15 | 553.46 | 516.26 | 530.88 | - |
| Motors and generators ........ | 3621 | 11.47 | 11.67 | 11.59 | 11.67 | - | 482.89 | 520.48 | 484.46 | 490.14 | - |
| Relays and industrial controls ............................ | 3625 | 14.10 | 14.34 | 14.21 | 14.47 | - | 596.43 | 609.45 | 576.93 | 603.40 | - |
| Household appliances ........... | 363 | 12.28 | 12.39 | 12.58 | 12.58 | - | 504.71 | 530.29 | 508.23 | 506.97 | - |
| Household refrigerators and freezers | 3632 | 13.30 | 13.24 | 14.06 | 14.11 | - | 530.67 | 578.59 | 597.55 | 603.91 | - |
| Household laundry equipment | 3633 | 14.09 | 14.42 | 13.51 | 13.46 | - | 581.92 | 615.73 | 528.24 | 537.05 | - |
| Electric housewares and fans | 3634 | 10.57 | 10.56 | 11.14 | 10.96 | - | 445.00 | 443.52 | 446.71 | 442.78 | - |
| Electric lighting and wiring equipment | 364 | 12.80 | 12.84 | 12.60 | 12.68 | - | 540.16 | 552.12 | 525.42 | 533.83 | - |
| Electric lamps | 3641 | 16.02 | 16.26 | 17.17 | 17.20 | - | 679.25 | 689.42 | 703.97 | 713.80 | - |
| Current-carrying wiring devices | 3643 | 13.10 | 12.98 | 13.15 | 13.41 | - | 548.89 | 546.46 | 550.99 | 552.49 | - |
| Noncurrent-carrying wiring devices | 3644 | 11.43 | 11.50 | 11.74 | 11.98 | - | 488.06 | 510.60 | 497.78 | 513.94 | - |
| Residential lighting fixtures | 3645 | 8.99 | 9.00 | 9.12 | 9.29 | - | 354.21 | 365.40 | 362.06 | 372.53 | - |
| Household audio and video equipment | 365 | 11.68 | 11.47 | 12.10 | 12.10 | - | 508.08 | 479.45 | 492.47 | 504.57 | - |
| Household audio and video equipment | 3651 | 11.11 | 11.08 | 11.74 | 11.57 | - | 464.40 | 457.60 | 476.64 | 466.27 | - |
| Communications equipment ................ | 366 | 13.97 | 13.88 | 14.30 | 14.15 | - | 609.09 | 610.72 | 612.04 | 608.45 | - |
| Telephone and telegraph apparatus | 3661 | 15.13 | 14.71 | 15.32 | 15.01 | - | 689.93 | 664.89 | 678.68 | 678.45 | - |
| Electronic components and accessories | 367 | 13.00 | 13.24 | 13.27 | 13.41 | - | 555.10 | 568.00 | 546.72 | 568.58 | - |
| Electron tubes ............................ | 3671 | 15.12 | 15.45 | 14.63 | 14.88 | - | 619.92 | 644.27 | 618.85 | 639.84 | - |
| Semiconductors and related devices | 3674 | 17.31 | 17.92 | 17.77 | 17.97 | - | 752.99 | 766.98 | 746.34 | 778.10 | - |
| Electronic components, nec | 3679 | 10.64 | 10.73 | 10.74 | 10.92 | - | 451.14 | 458.17 | 442.49 | 460.82 | - |
| Misc. electrical equipment and supplies . | 369 | 13.88 | 14.09 | 13.55 | 13.41 | - | 599.62 | 614.32 | 578.59 | 571.27 | - |
| Storage batteries ............................. | 3691 | 15.06 | 15.21 | 15.22 | 15.33 | - | 656.62 | 658.59 | 672.72 | 680.65 | - |
| Engine electrical equipment ............................. | 3694 | 14.13 | 14.45 | 13.42 | 13.01 | - | 610.42 | 643.03 | 581.09 | 554.23 | - |

See footnotes at end of table.

## ESTABLSHMENT DATA HOURS AND EARNINGS <br> NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | 1987 SIC Code | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Transportation equipment .................................... | 37 | 44.5 | 45.6 | 44.2 | 44.4 | 45.8 | 6.7 | 7.3 | 5.4 | 5.9 | - |
| Motor vehicles and equipment ............................. | 371 | 44.8 | 46.3 | 44.5 | 44.9 | 47.2 | 7.0 | 7.9 | 5.4 | 6.2 | - |
| Motor vehicles and car bodies | 3711 | 44.1 | 46.4 | 44.3 | 43.8 | - | 6.7 | 8.1 | 5.2 | 5.3 | - |
| Truck and bus bodies ...................................... | 3713 | 44.2 | 43.4 | 43.2 | 44.1 | - | 6.6 | 6.4 | 4.3 | 6.2 | - |
| Motor vehicle parts and accessories | 3714 | 45.7 | 46.9 | 45.1 | 46.1 | - | 7.7 | 8.4 | 5.9 | 7.2 | - |
| Truck trailers ................................. | 3715 | 42.1 | 42.6 | 41.9 | 41.3 | - | 3.7 | 4.6 | 3.4 | 3.5 | - |
| Aircraft and parts | 372 | 45.6 | 46.4 | 44.5 | 44.6 | $\cdots$ | 7.6 | 7.6 | 6.1 | 6.1 | - |
| Aircraft ............. | 3721 | 45.2 | 45.7 | 44.9 | 44.4 | - | 7.3 | 7.4 | 6.1 | 5.7 | - |
| Aircratt engines and engine parts | 3724 | 45.5 | 47.4 | 44.8 | 44.6 | - | 8.0 | 8.1 | 6.2 | 6.5 | - |
| Aircraft parts and equipment, nec | 3728 | 46.1 | 46.6 | 43.9 | 44.8 | - | 7.8 | 7.7 | 6.0 | 6.3 | - |
| Ship and boat building and repairing .................... | 373 | 41.7 | 42.5 | 43.1 | 42.8 | - | 4.6 | 5.0 | 5.2 | 5.0 | - |
| Ship building and repairing ............................... | 3731 | 43.2 | 44.3 | 44.6 | 44.1 | - | 5.7 | 6.3 | 6.5 | 6.0 | - |
| Boat building and repairing | 3732 | 39.6 | 39.9 | 40.9 | 40.9 | - | 2.9 | 3.1 | 3.4 | 3.5 | - |
| Rairoad equipment | 374 | 45.2 | 45.4 | 43.2 | 43.1 | - | 5.3 | 5.1 | 4.6 | 4.2 | - |
| Guided missiles, space vehicles, and parts ........... | 376 | 42.6 | 43.8 | 41.8 | 42.5 | - | 4.4 | 5.0 | 3.7 | 3.9 | - |
| Guided missiles and space vehicles | 3761 | 41.8 | 43.9 | 41.1 | 42.2 | - | 3.8 | 4.8 | 3.3 | 3.4 | - |
| Misc. transportation equipment ........................... | 379 | 40.9 | 41.2 | 41.0 | 40.7 | - | 3.6 | 3.9 | 3.3 | 3.2 | - |
| Travel trailers and campers ............................... | 3792 | 39.6 | 39.4 | 40.0 | 39.6 | - | 2.5 | 2.5 | 2.5 | 2.1 | - |
| Instruments and related products .......................... | 38 | 42.6 | 42.9 | 41.1 | 41.5 | 42.0 | 4.2 | 4.4 | 3.1 | 3.3 | - |
| Search and navigation equipment ....................... | 381 | 44.0 | 43.9 | 41.9 | 42.1 | - | 4.6 | 4.5 | 3.6 | 3.7 | - |
| Measuring and controlling devices ....................... | 382 | 42.7 | 43.0 | 41.0 | 41.2 | - | 4.0 | 4.3 | 3.1 | 3.0 | - |
| Environmental controls. | 3822 | 41.9 | 42.5 | 40.1 | 40.6 | - | 4.1 | 4.5 | 4.2 | 3.9 | - |
| Process control instruments | 3823 | 42.9 | 43.9 | 40.6 | 40.6 | - | 3.9 | 4.3 | 2.8 | 2.7 | - |
| Insiruments to measure electricity ...................... | 3825 | 42.7 | 42.0 | 41.5 | 41.3 | - | 3.4 | 3.4 | 2.1 | 1.8 | - |
| Medical instruments and supplies ........................ | 384 | 42.3 | 42.9 | 40.8 | 41.5 | - | 4.0 | 4.4 | 3.1 | 3.4 | - |
| Surgical and medical instrument ....................... | 3841 | 42.2 | 42.4 | 40.8 | 41.2 | - | 3.6 | 3.9 | 3.1 | 3.2 | - |
| Surgical appliances and supplies ....................... | 3842 | 41.7 | 42.8 | 40.5 | 41.5 | - | 4.0 | 4.7 | 3.4 | 3.9 | - |
| Ophthalmic goods ............................................ | 385 | 41.6 | 41.0 | 40.7 | 40.7 | - | 2.7 | 2.4 | 2.5 | 2.4 | - |
| Photographic equipment and supplies | 386 | 42.7 | 43.1 | 42.1 | 42.3 | - | 6.4 | 6.3 | 3.8 | 4.0 | - |
| Watches, clocks, watchcases, and parts ............... | 387 | 39.7 | 40.5 | 41.3 | 42.7 | - | 2.2 | 2.1 | 2.3 | 2.4 | - |
| Miscellaneous manufacturing industries .................. | 39 | 41.2 | 41.4 | 40.1 | 40.1 | 40.3 | 3.8 | 3.6 | 3.3 | 3.2 | - |
| Jewelry, silverware, and plated ware .................... | 391 | 42.1 | 41.2 | 39.7 | 39.9 | - | 4.2 | 3.6 | 3.9 | 3.7 | - |
| Jewelry, precious metal ................................... | 3911 | 42.1 | 41.0 | 38.9 | 39.1 | - | 4.2 | 3.6 | 3.9 | 3.3 | - |
| Musical instruments ........................................... | 393 | 41.7 | 41.3 | 40.7 | 40.6 | - | 3.2 | 3.1 | 2.6 | 2.7 | - |
| Toys and sporting goods | 394 | 40.8 | 41.0 | 39.7 | 40.0 | - | 2.8 | 2.9 | 2.2 | 2.5 | - |
| Dolls, games, toys, and children's vehicles ......... | 3942.4 | 40.6 | 40.3 | 39.4 | 40.5 | - | 3.1 | 2.6 | 2.0 | 3.0 | - |
| Sporting and athietic goods, nec ........................ | 3949 | 40.9 | 41.4 | 39.9 | 39.8 | - | 2.7 | 3.1 | 2.3 | 2.3 | - |
| Pens, pencils, office, and art supplies .................. | 395 | 40.8 | 40.7 | 38.0 | 38.3 | - | 3.5 | 3.1 | 3.1 | 2.7 | - |
| Costume jewelry and notions ............................. | 396 | 39.7 | 40.2 | 39.2 | 39.2 | - | 3.4 | 2.7 | 3.5 | 4.0 | - |
| Costume jewelry ............................................. | 3961 | 38.8 | 39.9 | 39.1 | 39.6 | - | 3.2 | 2.0 | 4.2 | 5.4 | - |
| Miscellaneous manufactures .............................. | 399 | 41.5 | 41.9 | 40.9 | 40.6 | - | 4.4 | 4.4 | 3.8 | 3.5 | - |
| Signs and advertising specialties ...................... | 3993 | 42.7 | 42.7 | 41.5 | 40.9 | - | 4.6 | 4.6 | 4.6 | 4.1 | - |
| Nondurable goods ............................................. |  | 41.5 | 41.8 | 41.1 | 41.3 | 41.7 | 4.7 | 4.7 | 4.5 | 4.5 | 4.6 |
| Food and kindred products .................................. | 20 | 42.2 | 42.4 | 42.0 | 42.4 | 43.0 | 5.5 | 5.3 | 5.6 | 5.7 | - |
| Meat products .................................................. | 201 | 41.8 | 41.5 | 41.5 | 42.5 | - | 5.3 | 4.9 | 5.1 | 5.7 | - |
| Meat packing plants ........................................ | 2011 | 44.6 | 44.2 | 44.4 | 45.0 | - | 6.6 | 6.2 | 6.6 | 7.3 | - |
| Sausages and other prepared meats ................. | 2013 | 43.4 | 42.9 | 41.9 | 42.8 | - | 6.9 | 6.5 | 5.8 | 6.5 | - |
| Poutiry slaughtering and processing .................. | 2015 | 39.7 | 39.5 | 39.7 | 40.9 | - | 4.0 | 3.7 | 3.9 | 4.6 | - |
| Dairy products ................................................. | 202 | 42.6 | 41.9 | 41.9 | 42.1 | - | 5.2 | 5.0 | 5.0 | 5.4 | - |
| Cheese, natural and processed ......................... | 2022 | 41.9 | 41.8 | 42.2 | 42.4 | - | 4.8 | 4.9 | 4.8 | 5.2 | - |
| Fluid milk ....................................................... | 2026 | 43.6 | 42.3 | 41.9 | 42.4 | - | 5.7 | 5.1 | 4.9 | 5.6 | - |
| Preserved fruits and vegetables .......................... | 203 | 41.7 | 42.5 | 42.0 | 41.8 | - | 5.3 | 5.4 | 6.2 | 5.6 | - |
| Canned specialties ......................................... | 2032 | 45.2 | 46.4 | 45.9 | 43.5 | - | 8.2 | 9.9 | 11.1 | 7.1 | - |
| Canned fruits and vegetables ........................... | 2033 | 41.5 | 42.9 | 40.2 | 40.1 | - | 5.2 | 4.8 | 5.4 | 4.5 | - |
| Frozen fruits and vegetabies ............................ | 2037 | 40.8 | 41.3 | 41.5 | 40.7 | - | 4.4 | 4.9 | 5.9 | 5.5 | - |
| Grain mill products ............................................ | 204 | 46.0 | 46.9 | 46.6 | 46.6 | - | 7.7 | 7.6 | 8.3 | 8.4 | - |
| Flour and other grain mill products ..................... | 2041 | 48.6 | 48.9 | 46.9 | 48.0 | - | 9.3 | 8.5 | 8.4 | 8.9 | - |
| Prepared feeds, nec ....................................... | 2048 | 43.5 | 43.9 | 45.2 | 43.9 | - | 6.3 | 6.3 | 7.3 | 7.0 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolis by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \mathrm{P} \end{aligned}$ | Nov. 1997 | $\begin{gathered} \text { Dec. } \\ 1997 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{P} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ |
| Durable goods-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Transportation equipment ... | 37 | \$17.94 | \$18.09 | \$17.49 | \$17.56 | \$17.57 | \$798.33 | \$824.90 | \$773.06 | \$779.66 | \$804.71 |
| Motor vehicles and equipment ............................ | 371 | 18.53 | 18.66 | 17.70 | 17.75 | 17.74 | 830.14 | 863.96 | 787.65 | 796.98 | 837.33 |
| Motor vehicles and car bodies ........................... | 3711 | 22.26 | 22.58 | 21.25 | 21.03 | - | 981.67 | 1,047.71 | 941.38 | 921.11 | - |
| Truck and bus bodies ...................................... | 3713 | 15.98 | 15.87 | 14.94 | 15.58 | - | 706.32 | 688.76 | 645.41 | 687.08 | - |
| Motor vehicle parts and accessories | 3714 | 17.07 | 17.08 | 16.41 | 16.62 | - | 780.10 | 801.05 | 740.09 | 766.18 | - |
| Truck trailers ................................ | 3715 | 11.09 | 11.43 | 11.57 | 11.59 | - | 466.89 | 486.92 | 484.78 | 478.67 | - |
| Aircratt and parts | 372 | 19.10 | 19.25 | 19.40 | 19.45 | - | 870.96 | 893.20 | 863.30 | 867.47 | - |
| Aircraft ............ | 3721 | (2) | (2) | (2) | (2) | - | - | - | - | - | - |
| Aircraft engines and engine parts | 3724 | 19.27 | 19.31 | 19.20 | 19.31 | - | 876.79 | 915.29 | 860.16 | 861.23 | - |
| Aircraft parts and equipment, nec ....................... | 3728 | 16.76 | 16.90 | 16.90 | 17.00 | - | 772.64 | 787.54 | 741.91 | 761.60 | - |
| Ship and boat building and repairing .................... | 373 | 13.14 | 13.20 | 13.54 | 13.59 | - | 547.94 | 561.00 | 583.57 | 581.65 | - |
| Ship building and repairing .............................. | 3731 | 14.43 | 14.42 | 14.78 | 14.87 | - | 623.38 | 638.81 | 659.19 | 655.77 | - |
| Boat building and repairing | 3732 | 11.08 | 11.17 | 11.63 | 11.65 | - | 438.77 | 445.68 | 475.67 | 476.49 | - |
| Railroad equipment | 374 | 16.96 | 17.11 | 16.86 | 16.52 | - | 766.59 | 776.79 | 728.35 | 712.01 | - |
| Guided missiles, space vehicles, and parts | 376 | 19.76 | 19.88 | 20.22 | 20.23 | - | 841.78 | 870.74 | 845.20 | 859.78 | - |
| Guided missiles and space vehicles ................... | 3761 | (2) | (2) | (2) | (2) | - | 476.08 | 486.16 | 489.13 | 502.24 | - |
| Misc. transportation equipment .......................... | 379 | 11.64 11.57 | 11.80 11.91 | 11.93 11.93 | 12.34 12.57 | - | 476.08 458.17 | 486.16 469.25 | 489.13 477.20 | 502.24 497.77 | - |
| Travel trailers and campers ............................. | 3792 | 11.57 | 11.91 | 11.93 | 12.57 | - | 458.17 | 469.25 | 477.20 | 497.77 | - |
| Instruments and related products .......................... | 38 | 13.66 | 13.68 | 13.83 | 13.87 | 13.99 | 581.92 | 586.87 | 568.41 | 575.61 | 587.58 |
| Search and navigation equipment ........................ | 381 | 17.04 | 17.27 | 17.38 | 17.56 | - | 749.76 | 758.15 | 728.22 | 739.28 | - |
| Measuring and controlling devices | 382 | 13.76 | 13.76 | 14.03 | 14.17 | - | 587.55 | 591.68 | 575.23 | 583.80 | - |
| Environmental controls | 3822 | 11.75 | 11.88 | 12.17 | 12.28 | - | 492.33 | 504.90 | 488.02 | 498.57 | - |
| Process control instruments | 3823 | 13.46 | 13.65 | 14.12 | 14.21 | - | 577.43 | 599.24 | 573.27 | 576.93 | - |
| Instruments to measure electricity | 3825 | 16.04 | 15.80 | 16.16 | 16.66 | - | 684.91 | 663.60 | 670.64 | 688.06 | - |
| Medical instruments and supplies . | 384 | 12.72 | 12.72 | 12.76 | 12.70 | - | 538.06 | 545.69 | 520.61 | 527.05 | - |
| Surgical and medical instrument ........................ | 3841 | 11.99 | 12.04 | 11.85 | 11.81 | - | 505.98 | 510.50 | 483.48 | 486.57 | - |
| Surgical appliances and supplies ...................... | 3842 | 11.89 | 11.90 | 12.15 | 12.04 | - | 495.81 | 509.32 | 492.08 | 499.66 | - |
| Ophthalmic goods ............................................ | 385 | 10.17 | 10.35 | 10.23 | 10.23 | - | 423.07 | 424.35 | 416.36 | 416.36 | - |
| Photographic equipment and supplies ................. | 386 | 15.86 | 15.83 | 16.49 | 16.55 | - | 677.22 | 682.27 | 694.23 | 700.07 | - |
| Watches, clocks, watchcases, and parts ............... | 387 | 10.02 | 10.03 | 10.40 | 10.28 | - | 397.79 | 406.22 | 429.52 | 438.96 | - |
| Miscellaneous manufacturing industries ................. | 39 | 10.71 | 10.80 | 11.00 | 11.02 | 11.14 | 441.25 | 447.12 | 441.10 | 441.90 | 448.94 |
| Jewelry, silverware, and plated ware | 391 | 11.15 | 11.28 | 11.60 | 11.46 | - | 469.42 | 464.74 | 460.52 | 457.25 | - |
| Jewelry, precious metal .................................... | 3911 | 11.27 | 11.48 | 11.72 | 11.42 | - | 474.47 | 470.68 | 455.91 | 446.52 | - |
| Musical instruments .......................................... | 393 | 10.70 | 10.88 | 11.23 | 11.38 | - | 446.19 | 449.34 | 457.06 | 462.03 | - |
| Toys and sporting goods | 394 | 10.16 | 10.24 | 10.55 | 10.57 | - | 414.53 | 419.84 | 418.84 | 422.80 | - |
| Doils, games, toys, and children's vehicles ......... | 3942,4 | 9.60 | 9.77 | 10.31 | 10.42 | - | 389.76 | 393.73 | 406.21 | 422.01 | - |
| Sporting and athletic goods, nec ....................... | 3949 | 10.43 | 10.46 | 10.66 | 10.65 | - | 426.59 | 433.04 | 425.33 | 423.87 | - |
| Pens, pencils, office, and art supplies .................. | 335 | 11.09 | 11.09 | 11.44 | 11.19 | - | 452.47 | 451.36 | 434.72 | 428.58 | - |
| Costume jewelry and notions ............................. | 396 | 9.56 | 9.69 | 9.64 | 9.74 | - | 379.53 | 389.54 | 377.89 | 381.81 | - |
| Costume jewelry ............................................ | 3961 | 8.69 | 8.78 | 8.68 | 8.87 | - | 337.17 | 350.32 | 339.39 | 351.25 | - |
| Miscellaneous manufactures .............................. | 339 | 11.03 | 11.11 | 11.16 | 11.24 | - | 457.75 | 465.51 | 456.44 | 456.34 | - |
| Signs and advertising specialties ...................... | 3993 | 11.69 | 11.71 | 11.98 | 12.23 | - | 499.16 | 500.02 | 497.17 | 500.21 | - |
| Nondurable goods ............................................ |  | 12.48 | 12.58 | 12.82 | 12.88 | 12.97 | 517.92 | 525.84 | 526.90 | 531.94 | 540.85 |
| Food and kindred products ................................... | 20 | 11.60 | 11.71 | 11.82 | 11.95 | 12.01 | 489.52 | 496.50 | 496.44 | 506.68 | 516.43 |
| Meat products .................................................. | 201 | 9.45 | 9.49 | 9.74 | 9.81 | - | 395.01 | 393.84 | 404.21 | 416.93 | - |
| Meat packing plants ........................................ | 2011 | 10.08 | 10.18 | 10.51 | 10.64 | - | 449.57 | 449.96 | 466.64 | 478.80 | - |
| Sausages and other prepared meats ................. | 2013 | 10.84 | 10.86 | 10.92 | 11.05 | - | 470.46 | 465.89 | 457.55 | 472.94 | - |
| Poultry slaughtering and processing .................. | 2015 | 8.51 | 8.52 | 8.80 | 8.80 | - | 337.85 | 336.54 | 349.36 | 359.92 | - |
| Dairy products ................................................ | 202 | 13.40 | 13.35 | 13.71 | 13.85 | - | 570.84 | 559.37 | 574.45 | 583.09 | - |
| Cheese, natural and processed | 2022 | 12.17 | 12.10 | 12.56 | 12.58 | - | 509.92 | 505.78 | 530.03 | 533.39 | - |
| Fluid milk | 2026 | 14.11 | 14.03 | 14.25 | 14.54 | - | 615.20 | 593.47 | 597.08 | 616.50 | - |
| Preserved fruits and vegetables .......................... | 203 | 11.09 | 11.44 | 11.30 | 11.47 | - | 462.45 | 486.20 | 474.60 | 479.45 | - |
| Canned specialties ......................................... | 2032 | 14.87 | 15.38 | 15.38 | 15.19 | - | 672.12 | 713.63 | 705.94 | 660.77 | - |
| Canned fruits and vegetables ........................... | 2033 | 11.72 | 12.30 | 11.90 | 12.48 | - | 486.38 | 527.67 | 478.38 | 500.45 | - |
| Frozen truits and vegetables ............................ | 2037 | 10.34 | 10.49 | 10.48 | 10.52 | - | 421.87 | 433.24 | 434.92 | 428.16 | - |
| Grain mill products ............................................ | 204 | 14.62 | 14.94 | 14.87 | 15.11 | - | 672.52 | 700.69 | 692.94 | 704.13 | - |
| Flour and other grain mill products .................... | 2041 | 13.11 | 13.10 | 13.18 | 13.40 | - | 637.15 | 640.59 | 618.14 | 643.20 | - |
| Prepared feeds, nec ....................................... | 2048 | 11.61 | 11.56 | 11.70 | 11.82 | - | 505.04 | 507.48 | 528.84 | 518.90 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry-Continued

| Industry | 1987 <br> SIC <br> Code | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ \text { 1998p } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. $1998 p$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Food and kindred products-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Bakery products | 205 | 41.3 | 41.6 | 40.8 | 41.1 | - | 5.2 | 5.0 | 5.0 | 5.0 | - |
| Bread, cake, and related products ..................... | 2051 | 41.0 | 40.7 | 40.8 | 41.4 | - | 5.2 | 4.8 | 4.9 | 5.2 | - |
| Cookies, crackers, and frozen bakery products, except bread | 2052,3 | 42.0 | 43.3 | 40.8 | 40.5 | - | 5.1 | 5.5 | 5.0 | 4.5 | _ |
| Sugar and confectionery products ....................... | 206 | 42.8 | 43.1 | 42.5 | 42.3 | - | 5.8 | 5.5 | 5.8 | 5.5 | - |
| Raw cane sugar ..................... | 2061 | 63.3 | 62.2 | 52.0 | 50.8 | - | 18.7 | 18.5 | 13.1 | 11.5 | - |
| Cane sugar refining ......................................... | 2062 | 53.9 | 50.3 | 50.9 | 54.8 | - | 15.9 | 10.6 | 10.5 | 13.7 | - |
| Beet sugar .................................................... | 2063 | 40.4 | 43.0 | 42.3 | 40.6 | - | 4.2 | 4.0 | 6.7 | 4.3 | - |
| Candy and other confectionery products ............. | 2064 | 40.8 | 41.6 | 41.0 | 41.1 | - | 4.4 | 4.3 | 4.6 | 4.7 | - |
| Fats and oils | 207 | 44.0 | 44.1 | 43.0 | 44.7 | - | 7.3 | 7.2 | 6.5 | 7.2 | - |
| Beverages ...................................................... | 208 | 43.2 | 43.9 | 44.3 | 44.6 | - | 5.0 | 4.5 | 6.0 | 5.7 | - |
| Mait beverages .............................................. | 2082 | 49.2 | 47.9 | 47.2 | 49.7 | - | 9.3 | 6.7 | 7.8 | 9.9 | - |
| Bottled and canned soft drinks | 2086 | 40.8 | 42.5 | 43.4 | 43.1 | - | 3.6 | 3.9 | 5.2 | 4.6 | - |
| Misc. food and kindred products | 209 | 40.3 | 41.2 | 39.9 | 39.7 | - | 5.0 | 5.0 | 5.2 | 4.4 | - |
| Tobacco products | 21 | 39.5 | 40.1 | 39.1 | 38.6 | 37.8 | 2.8 | 4.0 | 2.6 | 2.7 | - |
| Cigarettes ....................................................... | 211 | 37.9 | 40.3 | 37.7 | 37.6 | - | 2.4 | 3.9 | 3.0 | 3.3 | - |
| Textile mill products ............................................ | 22 | 41.9 | 42.2 | 41.1 | 41.3 | 41.3 | 4.8 | 5.1 | 4.5 | 4.5 | - |
| Broadwoven fabric mills, cotton | 221 | 42.3 | 42.6 | 42.4 | 41.8 | - | 5.5 | 5.8 | 5.8 | 5.6 | - |
| Broadwoven fabric mills, synthetics | 222 | 42.8 | 42.4 | 41.9 | 41.9 | - | 5.8 | 5.7 | 5.2 | 4.9 | - |
| Broadwoven fabric mills, wool | 223 | 40.5 | 41.2 | 37.8 | 37.7 | - | 4.6 | 5.1 | 2.9 | 3.0 | - |
| Narrow tabric mills | 224 | 40.8 | 40.0 | 40.5 | 40.8 | - | 3.2 | 3.2 | 3.1 | 3.2 | - |
| Knitting mills | 225 | 40.5 | 40.2 | 39.7 | 40.2 | - | 3.6 | 3.9 | 3.5 | 3.6 | - |
| Women's hosiery, except socks | 2251 | 39.9 | 37.7 | 39.6 | 40.8 | - | 2.8 | 2.5 | 3.1 | 3.9 | - |
| Hosiery, nec | 2252 | 38.8 | 37.5 | 37.7 | 39.2 | - | 3.2 | 3.2 | 2.6 | 3.1 | - |
| Knit outerwear mills | 2253 | 41.0 | 41.1 | 40.7 | 40.2 | - | 3.5 | 3.7 | 3.6 | 3.4 | - |
| Knit underwear mills | 2254 | 41.3 | 39.5 | 38.4 | 40.1 | - | 2.7 | 2.4 | 1.6 | 2.4 | - |
| Weit knit fabric mills | 2257 | 39.4 | 39.5 | 39.0 | 38.6 | - | 4.4 | 4.9 | 4.0 | 3.9 | - |
| Textile finishing, except wool | 226 | 42.9 | 44.2 | 41.9 | 41.8 | - | 5.6 | 6.3 | 5.3 | 5.1 | - |
| Finishing plants, cotton ...... | 2261 | 43.4 | 44.4 | 43.5 | 43.3 | - | 5.8 | 6.3 | 6.4 | 6.2 | - |
| Finishing plants, synthetics ............................... | 2262 | 43.4 | 44.0 | 42.0 | 41.4 | - | 5.8 | 6.4 | 4.6 | 4.3 | - |
| Carpets and rugs | 227 | 43.1 | 44.5 | 42.6 | 43.0 | - | 6.0 | 6.0 | 5.3 | 5.8 | - |
| Yarn and thread mills | 228 | 42.1 | 42.4 | 40.6 | 40.9 | - | 4.9 | 5.2 | 4.2 | 4.1 | - |
| Yarn spinning mills | 2281 | 42.8 | 43.4 | 41.3 | 41.6 | - | 5.3 | 5.6 | 4.4 | 4.5 | - |
| Throwing and winding mills .............................. | 2282 | 39.3 | 38.6 | 37.1 | 37.8 | - | 3.3 | 4.0 | 2.9 | 2.9 | - |
| Miscellaneous textile goods ................................ | 229 | 42.4 | 43.0 | 41.4 | 41.6 | - | 4.9 | 5.2 | 4.8 | 4.6 | - |
| Apparel and other textile products | 23 | 37.6 | 38.1 | 37.6 | 37.6 | 37.9 | 2.3 | 2.5 | 2.1 | 2.1 | - |
| Men's and boys' suits and coats | 231 | 37.6 | 38.6 | 37.0 | 37.1 | - | 1.4 | 1.6 | 1.0 | 0.8 | - |
| Men's and boys' furnishings ............................... | 232 | 37.3 | 37.1 | 36.5 | 36.5 | - | 1.7 | 1.5 | 1.3 | 1.3 | - |
| Men's and boys' shirts ..................................... | 2321 | 36.9 | 36.5 | 34.9 | 34.9 | - | 2.1 | 1.7 | 1.1 | 0.8 | - |
| Men's and boys' trousers and slacks .................. | 2325 | 36.7 | 36.7 | 34.9 | 35.5 | - | 1.4 | 1.3 | 1.0 | 1.3 | - |
| Men's and boys' work clothing ........................... | 2326 | 38.2 | 38.3 | 37.2 | 38.0 | - | 1.8 | 1.9 | 1.9 | 1.7 | - |
| Women's and misses' outerwear ......................... | 233 | 35.9 | 36.7 | 36.8 | 36.7 | - | 1.7 | 2.0 | 1.5 | 1.4 | - |
| Women's and misses' blouses and shirts | 2331 | 35.0 | 35.1 | 35.3 | 34.5 | - | 1.3 | 1.4 | 1.9 | 1.5 | - |
| Women's, juniors', and misses' dresses .............. | 2335 | 37.5 | 37.5 | 36.3 | 36.1 | - | 1.9 | 2.0 | 1.9 | 1.3 | - |
| Women's and misses' suits and coats ................. | 2337 | 36.8 | 37.3 | 38.0 | 37.8 | - | 1.8 | 2.2 | 1.8 | 2.0 | - |
| Women's and misses' outerwear, nec | 2339 | 35.6 | 36.6 | 37.0 | 37.0 | - | 1.7 | 2.0 | 1.4 | 1.4 | - |
| Women's and children's undergarments ............... | 234 | 37.3 | 38.2 | 37.6 | 37.6 | - | 2.3 | 2.5 | 2.1 | 2.3 | - |
| Women's and children's underwear ................... | 2341 | 38.2 | 38.2 | 37.6 | 37.8 | - | 2.3 | 2.3 | 1.9 | 2.0 | - |
| Brassieres, girdles, and allied garments .............. | 2342 | 34.8 | 38.1 | 37.8 | 36.9 | - | 2.2 | 3.3 | 2.7 | 3.2 | - |
| Girls' and children's outerwear ............................ | 236 | 37.5 | 37.3 | 36.9 | 37.9 | - | 3.2 | 3.0 | 3.2 | 3.1 | - |
| Girls' and children's dresses and blouses ........... | 2361 | 38.5 | 36.9 | 38.0 | 39.4 | - | 4.0 | 3.0 | 3.9 | 4.2 | - |
| Misc. apparel and accessories | 238 | 38.8 | 37.6 | 36.4 | 37.5 | - | 2.0 | 1.8 | 1.1 | 1.5 | - |
| Misc. fabricated textile products .......................... | 239 | 39.6 | 40.7 | 39.7 | 39.7 | - | 3.7 | 4.4 | 3.6 | 3.7 | - |
| Curtains and draperies .................................... | 2391 | 36.4 | 37.5 | 35.1 | 35.8 | - | 1.5 | 1.9 | 1.4 | 1.9 | - |
| House furnishings, nec .................................... | 2392 | 40.4 | 42.0 | 40.9 | 40.9 | - | 4.1 | 5.2 | 4.5 | 4.7 | - |
| Automotive and apparel trimmings ..................... | 2396 | 39.9 | 40.8 | 40.5 | 39.7 | - | 3.8 | 5.1 | 3.5 | 3.3 | - |
| Paper and allied products .................................... | 26 | 44.4 | 44.6 | 43.6 | 43.9 | 44.2 | 6.2 | 6.1 | 5.8 | 5.8 | - |
| Paper mills | 262 | 45.3 | 45.9 | 45.1 | 45.1 | - | 6.6 | 6.6 | 6.9 | 6.9 | - |
| Paperboard mills .............................................. | 263 | 44.6 | 45.6 | 43.7 | 44.6 | - | 7.3 | 6.9 | 7.5 | 7.4 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed indusiry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{P} \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & \text { 1998p } \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{array}{r} \text { Oct. } \\ 1998 \end{array}$ | $\begin{gathered} \text { Nov. } \\ \text { 19980 } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ 1998^{p} \end{gathered}$ |
| Nondurable goods-Continued Food and kindred products-Continued |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bakery products | 205 | \$12.48 | \$12.50 | \$12.74 | \$12.80 | - | \$515.42 | \$520.00 | \$519.79 | \$526.08 | - |
| Bread, cake, and related products ..................... | 2051 | 12.65 | 12.71 | 12.71 | 12.81 | - | 518.65 | 517.30 | 518.57 | 530.33 | - |
| Cookies, crackers, and frozen bakery products, except bread $\qquad$ | 2052.3 | 12.19 | 12.14 | 12.79 | 12.78 | - | 511.98 | 525.66 | 521.83 | 517.59 | - |
| Sugar and confectionery products ........................................................ | 206 | 12.57 | 12.61 | 12.83 | 13.02 | - | 538.00 | 543.49 | 545.28 | 550.75 | - |
| Raw cane sugar .............................................. | 2061 | 11.64 | 11.52 | 10.61 | 10.42 | - | 736.81 | 716.54 | 551.72 | 529.34 | - |
| Cane sugar refining | 2062 | 18.38 | 17.85 | 18.14 | 18.34 | - | 990.68 | 897.86 | 923.33 | 1,005.03 | - |
| Beet sugar ...... | 2063 | 12.86 | 13.07 | 13.24 | 13.62 | - | 519.54 | 562.01 | 560.05 | 552.97 | - |
| Candy and other confectionery products | 2064 | 11.71 | 11.87 | 12.20 | 12.47 | - | 477.77 | 493.79 | 500.20 | 512.52 | - |
| Fats and oils ....................................... | 207 | 12.80 | 12.80 | 12.94 | 12.93 | - | 563.20 | 564.48 | 556.42 | 577.97 | - |
| Beverages | 208 | 16.36 | 16.24 | 16.00 | 16.48 | - | 706.75 | 712.94 | 708.80 | 735.01 | - |
| Malt beverages | 2082 | 22.93 | 22.20 | 23.17 | 24.35 | - | 1,128.16 | 1,063.38 | 1.093 .62 | 1,210.19 | - |
| Bottled and canned soft drinks | 2086 | 13.37 | 13.61 | 13.16 | 13.19 | - | 545.50 | 578.43 | 571.14 | 568.49 | - |
| Mise. food and kindred products .......................... | 209 | 10.42 | 10.63 | 10.76 | 10.92 | - | 419.93 | 437.96 | 429.32 | 433.52 | - |
| Tobacco products | 21 | 17.88 | 18.69 | 17.08 | 17.43 | \$17.28 | 706.26 | 749.47 | 667.83 | 672.80 | \$653.18 |
| Cigarettes ...................................................... | 211 | 24.66 | 24.97 | 24.01 | 24.29 | - | 934.61 | 1,006.29 | 905.18 | 913.30 | - |
| Textile mill products ............................................ | 22 | 10.16 | 10.25 | 10.44 | 10.49 | 10.55 | 425.70 | 432.55 | 429.08 | 433.24 | 435.72 |
| Broadwoven fabric mills, cotton .......................... | 221 | 10.59 | 10.65 | 11.06 | 11.12 | - | 447.96 | 453.69 | 468.94 | 464.82 | - |
| Broadwoven fabric mills, synthetics ..................... | 222 | 11.10 | 11.11 | 11.27 | 11.24 | - | 475.08 | 471.06 | 472.21 | 470.96 | - |
| Broadwoven fabric mills, wool ............................ | 223 | 10.66 | 10.58 | 10.72 | 10.94 | - | 431.73 | 435.90 | 405.22 | 412.44 | - |
| Narrow labric mills ............................................ | 224 | 9.26 | 9.31 | 9.59 | 9.57 | - | 377.81 | 372.40 | 388.40 | 390.46 | - |
| Knitting mills ................................................... | 225 | 9.20 | 9.34 | 9.52 | 9.52 | - | 372.60 | 375.47 | 377.94 | 382.70 | - |
| Women's hosiery, except socks ........................ | 2251 | 8.58 | 8.59 | 8.99 | 9.00 | - | 342.34 | 323.84 | 356.00 | 367.20 | - |
| Hosiery, nec ................................................... | 2252 | 9.21 | 9.25 | 9.53 | 9.41 | - | 357.35 | 346.88 | 359.28 | 368.87 | - |
| Knit outerwear mills ......................................... | 2253 | 8.59 | 8.76 | 8.82 | 8.93 | - | 352.19 | 360.04 | 358.97 | 358.99 | - |
| Knit underwear mills | 2254 | 9.35 | 9.53 | 9.64 | 9.73 | - | 386.16 | 376.44 | 370.18 | 390.17 | - |
| Wett knit fabric mills | 2257 | 10.03 | 10.21 | 10.34 | 10.27 | - | 395.18 | 403.30 | 403.26 | 396.42 | - |
| Textile finishing, except wool | 226 | 10.45 | 10.53 | 10.73 | 10.81 | - | 448.31 | 465.43 | 449.59 | 451.86 | - |
| Finishing plants, cotton .................................... | 2261 | 10.39 | 10.41 | 10.65 | 10.67 | - | 450.93 | 462.20 | 463.28 | 462.01 | - |
| Finishing plants, synthetics ............................... | 2262 | 10.95 | 11.08 | 11.16 | 11.28 | - | 475.23 | 487.52 | 468.72 | 466.99 | - |
| Carpets and rugs .............................................. | 227 | 10.21 | 10.27 | 10.27 | 10.43 | - | 440.05 | 457.02 | 437.50 | 448.49 | - |
| Yarn and thread mills | 228 | 9.88 | 9.91 | 10.11 | 10.21 | - | 415.95 | 420.18 | 410.47 | 417.59 | - |
| Yarn spinning mills | 2281 | 9.91 | 9.92 | 10.16 | 10.26 | - | 424.15 | 430.53 | 419.61 | 426.82 | - |
| Throwing and winding mills .............................. | 2282 | 9.96 | 10.04 | 9.93 | 10.09 | - | 391.43 | 387.54 | 368.40 | 381.40 | - |
| Miscellaneous textile goods ................................ | 229 | 11.73 | 11.85 | 11.97 | 11.98 | - | 497.35 | 509.55 | 495.56 | 498.37 | - |
| Apparel and other textile products ......................... | 23 | 8.32 | 8.42 | 8.65 | 8.63 | 8.71 | 312.83 | 320.80 | 325.24 | 324.49 | 330.11 |
| Men's and boys' suits and coats .......................... | 231 | 8.56 | 8.63 | 8.88 | 8.86 | - | 321.86 | 333.12 | 328.56 | 328.71 | - |
| Men's and boys' furnishings ............................... | 232 | 7.85 | 7.84 | 8.02 | 8.01 | - | 292.81 | 290.86 | 292.73 | 292.37 | - |
| Men's and boys' shirts ..................................... | 2321 | 7.70 | 7.74 | 7.88 | 7.83 | - | 284.13 | 282.51 | 275.01 | 273.27 | - |
| Men's and boys' trousers and slacks | 2325 | 8.03 | 7.99 | 8.28 | 8.25 | - | 294.70 | 293.23 | 288.97 | 292.88 | - |
| Men's and boys' work clothing ........................... | 2326 | 7.74 | 7.76 | 7.76 | 7.67 | - | 295.67 | 297.21 | 288.67 | 291.46 | - |
| Women's and misses' outerwear ......................... | 233 | 7.98 | 8.07 | 8.31 | 8.25 | - | 286.48 | 296.17 | 305.81 | 302.78 | - |
| Women's and misses' blouses and shirts | 2331 | 7.15 | 7.25 | 7.37 | 7.39 | - | 250.25 | 254.48 | 260.16 | 254.96 | - |
| Women's, juniors', and misses' dresses | 2335 | 9.01 | 9.17 | 9.56 | 9.53 | - | 337.88 | 343.88 | 347.03 | 344.03 | - |
| Women's and misses' suits and coats ... | 2337 | 7.86 | 8.07 | 8.30 | 8.13 | - | 289.25 | 301.01 | 315.40 | 307.31 | - |
| Women's and misses' outerwear, nec ................. | 2339 | 7.86 | 7.91 | 8.13 | 8.07 | - | 279.82 | 289.51 | 300.81 | 298.59 | - |
| Women's and children's undergarments ............... | 234 | 8.00 | 8.04 | 8.03 | 8.14 | - | 298.40 | 307.13 | 301.93 | 306.06 | - |
| Women's and children's underwear ................... | 2341 | 7.76 | 7.87 | 7.96 | 8.03 | - | 296.43 | 300.63 | 299.30 | 303.53 | - |
| Brassieres, girdles, and allied garments .............. | 2342 | 8.78 | 8.52 | 8.23 | 8.45 | - | 305.54 | 324.61 | 311.09 | 311.81 | - |
| Girls' and children's outerwear ............... | 236 | 7.75 | 7.79 | 8.37 | 8.34 | - | 290.63 | 290.57 | 308.85 | 316.09 | - |
| Girls' and children's dresses and blouses | 2361 | 7.40 | 7.42 | 8.29 | 8.38 | - | 284.90 | 273.80 | 315.02 | 330.17 | - |
| Misc. apparel and accessories ........................... | 238 | 7.98 | 8.09 | 8.24 | 8.27 | - | 309.62 | 301.18 | 299.94 | 310.13 | - |
| Misc. fabricated textile products .......................... | 239 | 9.20 | 9.38 | 9.55 | 9.55 | - | 364.32 | 381.77 | 379.14 | 379.14 | - |
| Curtains and draperies .................................... | 2391 | 8.25 | 8.31 | 8.29 | 8.42 | - | 300.30 | 311.63 | 290.98 | 301.44 | - |
| House furnishings, nec .................................... | 2392 | 8.91 | 8.94 | 9.19 | 9.30 | - | 359.96 | 375.48 | 375.87 | 380.37 | - |
| Automotive and apparel trimmings ..................... | 2396 | 10.87 | 11.44 | 11.09 | 10.95 | - | 433.71 | 466.75 | 449.15 | 434.72 | - |
| Paper and allied products .................................... | 26 | 15.22 | 15.27 | 15.58 | 15.63 | 15.76 | 675.77 | 681.04 | 679.29 | 686.16 | 696.59 |
| Paper mills ...................................................... | 262 | 19.44 | 19.38 | 20.00 | 20.03 | - | 880.63 | 889.54 | 902.00 | 903.35 | - |
| Paperboard mills .............................................. | 263 | 19.04 | 19.11 | 19.93 | 20.04 | - | 849.18 | 871.42 | 870.94 | 893.78 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ \text { 1998p } \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ 1998{ }^{\circ} \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. $1998^{\circ}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 p \end{aligned}$ |
| Nondurable goods--Continued |  |  |  |  |  |  |  |  |  |  |  |
| Paper and allied products-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Paperboard containers and boxes ....................... | 265 | 44.6 | 44.7 | 43.5 | 44.2 | - | 6.4 | 6.2 | 5.7 | 6.0 | - |
| Corrugated and solid fiber boxes ....................... | 2653 | 45.2 | 44.9 | 44.2 | 44.9 | - | 7.0 | 6.6 | 6.1 | 6.5 | - |
| Sanitary food containers | 2656 | 43.1 | 45.0 | 41.9 | 43.0 | - | 4.7 | 5.0 | 4.6 | 4.3 | - |
| Folding paperboard boxes | 2657 | 44.3 | 44.6 | 43.0 | 43.5 | - | 6.3 | 6.3 | 5.6 | 5.8 | - |
| Misc. converted paper products .......................... | 267 | 43.3 | 43.4 | 42.7 | 42.7 | - | 5.5 | 5.5 | 4.8 | 4.6 | - |
| Paper, coated and laminated, nec ..................... | 2672 | 44.2 | 44.1 | 41.1 | 41.1 | - | 4.7 | 5.1 | 3.3 | 3.4 | - |
| Bags: plastics, laminated, and coated ................ | 2673 | 43.3 | 42.9 | 43.0 | 43.1 | - | 5.5 | 5.1 | 5.0 | 5.3 | - |
| Envelopes | 2677 | 42.7 | 42.8 | 42.1 | 41.9 | - | 4.7 | 4.8 | 4.3 | 4.0 | - |
| Printing and publishing | 27 | 39.3 | 39.2 | 38.4 | 38.6 | 38.7 | 3.8 | 3.7 | 3.5 | 3.4 | - |
| Newspapers ..................................................... | 271 | 33.8 | 33.9 | 33.1 | 33.7 | - | 1.8 | 1.9 | 1.6 | 1.9 | - |
| Periodicals .. | 272 | 38.0 | 36.5 | 36.4 | 36.7 | - | 3.1 | 2.7 | 2.8 | 2.6 | - |
| Books ..... | 273 | 40.2 | 40.5 | 39.3 | 39.5 | - | 4.1 | 4.3 | 4.1 | 4.0 | - |
| Book publishing | 2731 | 38.7 | 38.1 | 37.0 | 38.3 | - | 2.6 | 3.1 | 2.3 | 2.4 | - |
| Book printing .... | 2732 | 42.0 | 43.2 | 41.5 | 40.6 | - | 5.9 | 5.8 | 5.8 | 5.6 | - |
| Miscellaneous publishing ................................... | 274 | 36.7 | 36.5 | 36.3 | 36.6 | - | 2.9 | 2.8 | 3.4 | 3.3 | - |
| Commercial printing .......................................... | 275 | 41.0 | 40.8 | 40.1 | 40.4 | - | 4.7 | 4.4 | 4.2 | 4.0 | - |
| Commercial printing, lithographic ...................... | 2752 | 40.8 | 40.5 | 40.1 | 40.2 | - | 4.6 | 4.3 | 4.2 | 3.9 | - |
| Commercial printing, nec . | 2759 | 40.9 | 41.1 | 40.2 | 40.7 | - | 4.5 | 4.3 | 4.1 | 4.2 | - |
| Manifoid business forms | 276 | 43.7 | 44.0 | 41.7 | 42.7 | - | 4.8 | 5.8 | 4.0 | 4.7 | - |
| Blankbooks and bookbinding .............................. | 278 | 39.8 | 40.5 | 39.8 | 39.0 | - | 3.0 | 3.1 | 3.4 | 2.9 | - |
| Printing trade services ...................................... | 279 | 40.2 | 40.1 | 39.7 | 39.8 | - | 4.8 | 4.5 | 3.8 | 3.7 | - |
| Chemicals and allied products .............................. | 28 | 43.7 | 44.0 | 43.2 | 43.3 | 43.6 | 5.5 | 5.5 | 5.1 | 5.2 | - |
| Industrial inorganic chemicals ............................ | 281 | 47.3 | 46.4 | 43.9 | 43.7 | - | 6.5 | 6.5 | 5.8 | 5.6 | - |
| Industrial inorganic chemicals, nec ..................... | 2819 | 46.8 | 44.9 | 44.1 | 44.3 | - | 6.3 | 6.2 | 5.8 | 5.9 | - |
| Plastics materials and synthetics ......................... | 282 | 44.0 | 44.5 | 42.7 | 42.9 | - | 5.6 | 5.6 | 4.8 | 5.2 | - |
| Plastics materials and resins ............................ | 2821 | 44.8 | 45.4 | 43.6 | 44.4 | - | 5.7 | 5.6 | 5.0 | 5.3 | - |
| Organic fibers, noncellulosic ............................. | 2824 | 43.4 | 43.6 | 41.4 | 40.8 | - | 5.3 | 4.9 | 3.8 | 4.4 | - |
| Drugs ............................................................. | 283 | 42.0 | 42.9 | 43.1 | 43.1 | - | 5.7 | 5.8 | 4.8 | 5.1 | - |
| Pharmaceutical preparations | 2834 | 42.2 | 43.3 | 43.3 | 43.8 | - | 5.4 | 5.8 | 4.4 | 5.0 | - |
| Soap, cleaners, and toilet goods | 284 | 42.0 | 42.0 | 41.3 | 41.9 | - | 3.9 | 4.0 | 4.3 | 4.0 | - |
| Soap and other detergents | 2841 | 43.8 | 44.0 | 44.6 | 45.3 | - | 5.0 | 5.3 | 6.2 | 5.7 | - |
| Polishing, sanitation, and finishing preparations .. | 2842,3 | 41.9 | 42.9 | 41.2 | 41.1 | - | 3.5 | 4.1 | 4.0 | 3.6 | - |
| Toilet preparations | 2844 | 41.2 | 40.8 | 39.8 | 40.8 | - | 3.5 | 3.3 | 3.5 | 3.3 | - |
| Paints and allied products ................................. | 285 | 42.7 | 44.4 | 42.2 | 42.3 | - | 4.5 | 4.9 | 4.1 | 3.9 | - |
| Industrial organic chemicals ............................... | 286 | 44.9 | 45.2 | 45.1 | 44.9 | - | 6.3 | 6.1 | 6.6 | 6.5 | - |
| Cyclic crudes and intermediates | 2865 | 43.4 | 45.3 | 45.8 | 45.1 | - | 4.6 | 5.7 | 5.6 | 6.0 | - |
| Industrial organic chemicals, nec | 2869 | 45.2 | 45.2 | 45.0 | 44.9 | - | 6.6 | 6.2 | 6.9 | 6.6 | - |
| Agricultural chemicals ........................................ | 287 | 44.9 | 44.6 | 45.8 | 45.5 | - | 6.7 | 6.7 | 7.4 | 7.0 | - |
| Miscellaneous chemical products ........................ | 289 | 44.3 | 44.4 | 43.6 | 43.8 | - | 5.6 | 5.6 | 4.5 | 4.7 | - |
| Petroleum and coal products ............................... | 29 | 43.4 | 42.2 | 43.9 | 43.9 | 44.7 | 6.0 | 5.3 | 7.4 | 6.3 | - |
| Petroleum refining ............................................ | 291 | 44.1 | 42.5 | 43.2 | 43.9 | - | 5.7 | 5.3 | 6.5 | 5.8 | - |
| Asphalt paving and roofing materials ................... | 295 | 41.5 | 40.9 | 45.9 | 44.4 | - | 6.9 | 5.2 | 10.3 | 8.0 | - |
| Rubber and misc. plastics products ....................... | 30 | 42.5 | 43.0 | 41.8 | 42.1 | 42.9 | 4.9 | 5.1 | 4.4 | 4.5 | - |
| Tires and inner tubes ........................................ | 301 | 44.6 | 45.0 | 42.7 | 42.9 | - | 6.7 | 6.8 | 5.5 | 5.9 | - |
| Rubber and plastics footwear ............................. | 302 | 41.6 | 41.6 | 40.5 | 40.5 | - | 3.3 | 4.6 | 5.6 | 5.6 | - |
| Hose, belting, gaskets, and packing ..................... | 305 | 43.0 | 44.3 | 42.5 | 42.6 | - | 5.2 | 5.7 | 4.0 | 4.1 | - |
| Rubber and plastics hose and belting ................ | 3052 | 44.2 | 45.0 | 44.6 | 43.9 | - | 5.7 | 6.2 | 5.2 | 4.5 | - |
| Fabricated rubber products, nec .......................... | 306 | 43.7 | 44.5 | 42.2 | 42.6 | - | 5.4 | 5.7 | 4.5 | 4.5 | - |
| Miscellaneous plastics products, nec ................... | 308 | 42.1 | 42.5 | 41.6 | 41.8 | - | 4.6 | 4.8 | 4.3 | 4.4 | - |
| Leather and leather products ................................ | 31 | 38.5 | 38.8 | 37.6 | 37.9 | 38.4 | 2.4 | 2.4 | 2.5 | 2.3 | - |
| Leather tanning and finishing ............................. | 311 | 42.1 | 44.1 | 39.8 | 39.8 | - | 4.5 | 5.4 | 4.2 | 4.0 | - |
| Footwear, except rubber .................................... | 314 | 36.5 | 36.8 | 36.8 | 37.2 | - | 1.5 | 1.8 | 2.1 | 1.6 | - |
| Men's tootwear, except athleric ........................ | 3143 | 35.8 | 35.9 | 36.7 | 36.7 | - | 1.6 | 1.9 | 2.3 | 1.3 | - |
| Women's footwear, except athletic ..................... | 3144 | 38.2 | 37.5 | 36.8 | 37.4 | - | 1.0 | 0.7 | 1.9 | 2.2 | - |
| Luggage ........................................................ | 316 | 40.3 | 39.6 | 36.9 | 37.4 | - | 3.2 | 2.1 | 2.1 | 2.4 | - |
| Handbags and personal leather goods ................. | 317 | 41.1 | 40.0 | 38.4 | 38.0 | - | 3.2 | 1.7 | 2.2 | 2.2 | - |
| Service-producing ................................................. |  | 33.0 | 32.9 | 32.8 | 33.0 | 32.9 | - | - | - | - | - |
| Transportation and public utilities ......................... |  | 40.4 | 39.8 | 39.3 | 39.7 | 39.0 | - | - | - | - | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average hourly eamings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | Nov. 1998p | $\begin{aligned} & \text { Dec. } \\ & \text { 1998p } \end{aligned}$ |
| Nondurable goods-Continued Paper and allied products-Continued |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Paperboard containers and boxes ........................ | 265 | \$12.95 | \$13.05 | \$13.16 | \$13.15 | - | \$577.57 | \$583.34 | \$572.46 | \$581. 23 | - |
| Corrugated and solid fiber boxes | 2653 | 12.97 | 13.08 | 13.17 | 13.18 | - | 586.24 | 587.29 | 582.11 | 591.78 | - |
| Sanitary food containers ................................... | 2656 | 12.85 | 12.77 | 13.20 | 12.99 | - | 553.84 | 574.65 | 553.08 | 558.57 | - |
| Folding paperboard boxes | 2657 | 13.76 | 13.88 | 13.89 | 13.88 | - | 609.57 | 619.05 | 597.27 | 603.78 | - |
| Misc. converted paper products ......................... | 267 | 13.32 | 13.36 | 13.59 | 13.66 | - | 576.76 | 579.82 | 580.29 | 583.28 | - |
| Paper, coated and laminated, nec ..................... | 2672 | 15.41 | 15.34 | 15.63 | 15.76 | - | 681.12 | 676.49 | 642.39 | 647.74 | - |
| Bags: plastics, laminated, and coated ................ | 2673 | 12.04 | 12.07 | 12.14 | 12.25 | - | 521.33 | 517.80 | 522.02 | 527.98 527 | - |
| Envelopes .......................................................... | 2677 | 12.05 | 12.15 | 12.53 | 12.59 | - | 514.54 | 520.02 | 527.51 | 527.52 | - |
| Printing and publishing | 27 | 13.24 | 13.30 | 13.60 | 13.54 | \$13.65 | 520.33 | 521.36 | 522.24 | 522.64 | \$528.26 |
| Newspapers ..................................................... | 271 | 13.01 | 13.10 | 13.27 | 13.28 | - | 439.74 | 444.09 | 439.24 | 447.54 | - |
| Periodicals. | 272 | 14.81 | 14.66 | 14.86 | 14.91 | - | 562.78 | 535.09 | 540.90 | 547.20 | - |
| Books | 273 | 12.50 | 12.43 | 13.10 | 13.09 | - | 502.50 | 503.42 | 514.83 | 517.06 | - |
| Book publishing | 2731 | 11.92 | 11.81 | 12.29 | 12.11 | - | 461.30 | 449.96 | 454.73 | 463.81 | - |
| Book printing .... | 2732 | 13.11 | 13.05 | 13.79 | 13.94 | - | 550.62 | 563.76 | 572.29 | 565.96 | - |
| Miscellaneous publishing | 274 | 12.83 | 13.06 | 13.16 | 12.99 | - | 470.86 | 476.69 | 477.71 | 475.43 | - |
| Commercial printing .......................................... | 275 | 13.49 | 13.57 | 13.86 | 13.76 | - | 553.09 | 553.66 | 555.79 | 555.90 | - |
| Commercial printing, lithographic ...................... | 2752 | 13.66 | 13.77 | 14.11 | 13.97 | - | 557.33 | 557.69 | 565.81 52783 | 561.59 | - |
| Commercial printing, nec ....... | 2759 | 12.92 | 12.95 | 13.13 | 13.08 | - | 528.43 | 532.25 | 527.83 | 532.36 | - |
| Manitold business forms | 276 | 14.32 | 14.49 | 14.59 | 14.46 | - | 625.78 | 637.56 | 608.40 | 617.44 | - |
| Blankbooks and bookbinding | 278 | 10.34 | 10.26 | 10.74 | 10.70 | - | 411.53 | 415.53 | 427.45 | 417.30 | - |
| Printing trade services ...................................... | 279 | 16.33 | 16.59 | 16.86 | 16.72 | - | 656.47 | 665.26 | 669.34 | 665.46 |  |
| Chemicals and allied products ............................... | 28 | 16.85 | 16.92 | 17.22 | 17.28 | 17.33 | 736.35 | 744.48 | 743.90 | 748.22 | 755.59 |
| Industrial inorganic chemicals ............................ | 281 | 18.91 | 18.77 | 18.84 | 18.94 | - | 894.44 | 870.93 | 827.08 | 827.68 | - |
| industrial inorganic chemicals, nec ..................... | 2819 | 19.12 | 18.97 | 19.41 | 19.53 | - | 894.82 | 851.75 | 855.98 | 865.18 | - |
| Plastics materials and synthetics ......................... | 282 | 17.78 | 17.88 | 17.91 | 18.14 | - | 782.32 | 795.66 | 764.76 | 778.21 | - |
| Plastics materials and resins ............................ | 2821 | 19.92 | 20.00 | 20.03 | 20.07 | - | 892.42 | 908.00 | 873.31 | 891.11 | - |
| Organic fibers, noncellulosic | 2824 | 15.12 | 15.08 | 15.01 | 15.39 | - | 656.21 | 657.49 | 621.41 | 627.91 | - |
| Drugs ............................................................ | 283 | 16.71 | 16.59 | 17.21 | 17.21 | - | 701.82 | 711.71 | 741.75 | 741.75 | - |
| Pharmaceutical preparations ............................ | 2834 | 16.50 | 16.34 | 16.95 | 17.01 | - | 696.30 | 707.52 | 733.94 | 745.04 | - |
| Soap, cleaners, and toilet gcods ......................... | 284 | 13.45 | 13.95 | 14.06 | 14.13 | - | 564.90 | 585.90 | 580.68 | 592.05 | - |
| Soap and other detergents. | 2841 | 17.34 | 18.36 | 17.45 | 17.51 | - | 759.49 | 807.84 | 778.27 | 793.20 | - |
| Polishing, sanitation, and finishing preparations .. | 2842,3 | 12.95 | 13.34 | 13.47 | 13.60 | - | 542.61 | 572.29 | 554.96 | 558.96 | - |
| Toilet preparations .......................................... | 2844 | 11.89 | 12.19 | 12.61 | 12.66 | - | 489.87 | 497.35 | 501.88 | 516.53 | - |
| Paints and allied products ................................. | 285 | 14.18 | 14.39 | 14.50 | 14.49 | - | 605.49 | 638.92 | 611.90 | 612.93 | - |
| Industrial organic chemicals ............................... | 286 | 20.14 | 20.17 | 20.77 | 20.76 | - | 904.29 | 911.68 | 936.73 | 932.12 | - |
| Cyclic crudes and intermediates ........................ | 2865 | 20.03 | 20.07 | 20.59 | 20.57 | - | 869.30 | 909.17 | 943.02 | 927.71 | - |
| Industrial organic chemicals, nec | 2869 | 20.28 | 20.30 | 20.95 | 20.94 | - | 916.66 | 917.56 | 942.75 | 940.21 | - |
| Agricultural chemicals ...................................... | 287 | 17.05 | 17.00 | 17.42 | 17.50 | - | 765.55 | 758.20 | 797.84 | 796.25 | - |
| Miscellaneous chemical products ........................ | 289 | 15.17 | 15.19 | 15.45 | 15.49 | - | 672.03 | 674.44 | 673.62 | 678.46 | - |
| Petroleum and coal products ................................ | 29 | 20.39 | 20.55 | 21.05 | 20.90 | 21.10 | 884.93 | 867.21 | 924.10 | 917.51 | 943.17 |
| Petroleum refining ........................................... | 291 | 22.62 | 22.64 | 23.75 | 23.57 | - | 997.54 | 962.20 | 1,026.00 | 1,034.72 | - |
| Asphalt paving and rooting materials ................... | 295 | 15.36 | 15.50 | 16.08 | 15.55 | - | 637.44 | 633.95 | 738.07 | 690.42 | - |
| Rubber and misc. plastics products ....................... | 30 | 11.64 | 11.76 | 11.89 | 11.97 | 12.06 | 494.70 | 505.68 | 497.00 | 503.94 | 517.37 |
| Tires and inner tubes | 301 | 18.61 | 18.42 | 18.38 | 18.56 | - | 830.01 | 828.90 | 784.83 | 796.22 | - |
| Rubber and plastics footwear | 302 | 9.90 | 9.98 | 10.09 | 10.24 | - | 411.84 | 415.17 | 408.65 | 414.72 | - |
| Hose, belting, gaskets, and packing . | 305 | 11.66 | 11.89 | 11.77 | 11.83 | - | 501.38 | 526.73 | 500.23 | 503.96 | - |
| Rubber and plastics hose and belting | 3052 | 11.79 | 11.95 | 11.75 | 11.69 | - | 521.12 | 537.75 | 524.05 | 513.19 | - |
| Fabricated rubber products, nec ....... | 306 | 11.39 | 11.55 | 11.71 | 11.72 | - | 497.74 | 513.98 | 494.16 | 499.27 | - |
| Miscellaneous plastics products, nec ................... | 308 | 10.97 | 11.11 | 11.28 | 11.37 | - | 461.84 | 472.18 | 469.25 | 475.27 | - |
| Leather and leather products ................................ | 31 | 9.14 | 9.21 | 9.46 | 9.42 | 9.40 | 351.89 | 357.35 | 355.70 | 357.02 | 360.96 |
| Leather tanning and finishing ............................. | 311 | 12.05 | 12.02 | 12.34 | 12.24 | - | 507.31 | 530.08 | 491.13 | 487.15 | - |
| Footwear, except rubber .................................... | 314 | 8.61 | 8.68 | 9.03 | 9.07 | - | 314.27 | 319.42 | 332.30 | 337.40 | - |
| Men's footwear, except athletic ......................... | 3143 | 9.13 | 9.34 | 9.79 | 9.77 | - | 326.85 | 335.31 | 359.29 | 358.56 | - |
| Women's footwear, except athletic .................... | 3144 | 7.59 | 7.52 | 7.84 | 7.92 | - | 289.94 | 282.00 | 288.51 | 296.21 | - |
| Luggage . | 316 | 8.84 | 8.84 | 9.18 | 9.04 | - | 356.25 | 350.06 | 338.74 | 338.10 | - |
| Handbags and personal leather goods ................. | 317 | 8.29 | 8.19 | 8.20 | 8.27 | - | 340.72 | 327.60 | 314.88 | 314.26 | - |
| Service-producing ................................................ |  | 12.00 | 11.96 | 12.40 | 12.50 | 12.49 | 396.00 | 393.48 | 406.72 | 412.50 | 410.92 |
| Transportation and public utilities ......................... |  | 15.19 | 15.17 | 15.43 | 15.53 | 15.57 | 613.68 | 603.77 | 606.40 | 616.54 | 607.23 |

See footnotes at end of table.

ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED
B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \\ & \text { Code } \end{aligned}$ | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998^{\circ} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ | $\begin{gathered} \text { Nov. } \\ 1997 \end{gathered}$ | Dec. <br> 1997 | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{p} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 199 \mathrm{~g}^{2} \end{gathered}$ |
| Transportation and public utilities-Continued Railroad transportation: <br> Class I railroads plus Amtrak ${ }^{3}$ | 4011 | 51.7 | 49.5 | 45.0 | 45.3 | - | - | - | - | - | - |
| Local and interurban passenger transit | 41 | 34.3 | 34.4 | 34.3 | 34.3 | - | - | - | - | - | - |
| Local and suburban transportation .... | 411 | 38.8 | 38.5 | 38.2 | 38.9 | - | - | - | - | - | - |
| Intercity and rural bus transportation ...................... | 413 | 38.7 | 38.3 | 39.7 | 39.0 | - | - | - | - | - | - |
| Trucking and warehousing .................................... | 42 | 40.4 | 40.3 | 40.7 | 40.3 | - | - | - | - | - | - |
| Trucking and courier services, except air ................ | 421 | 40.3 | 40.1 | 40.6 | 40.2 | - | - | - | - | - | - |
| Public warehousing and storage ......................... | 422 | 41.5 | 41.3 | 41.6 | 41.5 | - | - | - | - | - | - |
| Water transponation: <br> Water transponation services | 449 | 39.1 | 38.2 | 37.5 | 38.1 | - | - | - | - | - | - |
| Pipelines, except natural gas .................................. | 46 | 45.0 | 44.5 | 45.3 | 46.0 | - | - | - | - | - | - |
| Transportation services | 47 | 37.9 | 37.1 | 38.4 | 39.4 | - | - | - | - | - | - |
| Passenger transportation arrangement .................. | 472 | 38.0 | 36.4 | 38.6 | 39.5 | - | - | - | - | - | - |
| Travel agencies ............................................... | 4724 | 38.3 | 36.6 | 39.5 | 40.5 | - | - | - | - | - | - |
| Freight transportation arrangement ....................... | 473 | 37.1 | 37.2 | 37.7 | 39.1 | - | - | - | - | - | - |
| Communications .................................................. | 48 | 40.6 | 40.4 | 40.6 | 40.8 | - | - | - | - | - | - |
| Telephone communications ................................. | 481 | 42.1 | 42.0 | 42.4 | 42.3 | - | - | - | - | - | - |
| Telephone communications, except radio ............. | 4813 | 42.3 | 42.3 | 43.0 | 42.9 | - | - | - | - | - | - |
| Radio and television broadcasting ......................... | 483 | 36.0 | 35.5 | 35.2 | 35.6 | - | - | - | - | - | - |
| Cable and other pay television services ................. | 484 | 39.9 | 39.6 | 39.8 | 40.6 | - | - | - | - | - | - |
| Electric, gas, and sanitary services ......................... | 49 | 42.7 | 41.8 | 42.6 | 43.3 | - | - | - | - | - | - |
| Electric services ................................................ | 491 | 42.1 | 40.7 | 41.9 | 42.9 | - | - | - | - | - | - |
| Gas production and distribution ............................ | 492 | 44.1 | 42.7 | 43.4 | 44.1 | - | - | - | - | - | - |
| Combination utility services ................................. | 493 | 43.2 | 43.5 | 42.4 | 43.7 | - | - | - | - | - | - |
| Sanitary services .............................................. | 495 | 42.5 | 42.4 | 44.0 | 43.8 | - | - | - | - | - | - |
| Wholesale trade ................................................... |  | 38.7 | 38.4 | 38.3 | 38.7 | 38.5 | - | - | - | - | - |
| Durable goods .................................................... | 50 | 39.5 | 39.1 | 38.9 | 39.4 | - | - | - | - | - | - |
| Motor vehicles, parts, and supplies ....................... | 501 | 38.0 | 37.9 | 37.3 | 37.7 | - | - | - | - | - | - |
| Furniture and home furnishings ............................ | 502 | 37.9 | 38.2 | 37.2 | 37.3 | - | - | - | - | - | - |
| Lumber and other construction materials ................ | 503 | 39.9 | 39.5 | 40.5 | 40.1 | - | - | - | - | - | - |
| Professional and commercial equipment ................ | 504 | 40.4 | 39.7 | 39.4 | 40.6 | - | - | - | - | - | - |
| Medical and hospital equipment .......................... | 5047 | 40.1 | 39.2 | 39.1 | 40.3 | - | - | - | - | - | - |
| Metals and minerals, except petroieum .................. | 505 | 42.0 | 41.8 | 41.1 | 41.5 | - | - | - | - | - | - |
| Electrical goods ................................................. | 506 | 39.6 | 39.3 | 39.3 | 39.8 | - | - | - | - | - | - |
| Hardware, plumbing, and heating equipment .......... | 507 | 39.5 | 39.2 | 38.8 | 39.2 | - | - | - | - | - | - |
| Machinery, equipment, and supplies ..................... | 508 | 39.7 | 39.4 | 39.4 | 39.7 | - | - | - | - | - | - |
| Misc. wholesale trade durable goods ..................... | 509 | 38.0 | 37.7 | 36.7 | 36.9 | - | - | - | - | - | - |
| Nondurable goods ............................................... | 51 | 37.7 | 37.4 | 37.6 | 37.7 | - | - | - | - | - | - |
| Paper and paper products ................................... | 511 | 37.1 | 36.5 | 37.1 | 37.9 | - | - | - | - | - | - |
| Drugs, proprietaries, and sundries ........................ | 512 | 36.6 | 36.1 | 36.2 | 37.2 | - | - | - | - | - | - |
| Apparel, piece goods, and notions ........................ | 513 | 38.3 | 37.3 | 36.9 | 37.1 | - | - | - | - | - | - |
| Groceries and related products ............................ | 514 | 38.6 | 38.5 | 38.6 | 38.6 | - | - | - | - | - | - |
| Farm-product raw materials .................................. | 515 | 35.4 | 33.7 | 37.8 | 34.9 | - | - | - | - | - | - |
| Chemicals and allied products .............................. | 516 | 40.1 | 40.1 | 40.0 | 40.6 | - | - | - | - | - | - |
| Petroleum and petroleum products ....................... | 517 | 38.1 | 37.8 | 37.8 | 38.3 | - | - | - | - | - | - |
| Beer, wine, and distilled beverages ....................... | 518 | 37.8 | 37.5 | 37.5 | 37.7 | - | - | - | - | - | - |
| Misc. wholesale trade nondurable goods ............... | 519 | 36.2 | 36.3 | 36.1 | 36.2 | - | - | - | - | - | - |
| Retail trade ......................................................... |  | 28.8 | 29.2 | 28.9 | 28.9 | 29.2 | - | - | - | - | - |
| Building materials and garden supplies .................... | 52 | 34.4 | 34.4 | 35.1 | 35.0 | - | - | - | - | - | - |
| Lumber and other building materials ..................... | 521 | 35.9 | 35.8 | 36.9 | 36.8 | - | - | - | - | - | - |
| Paint, glass, and wallpaper stores ......................... | 523 | 35.9 | 35.7 | 34.8 | 35.8 | - | - | - | - | - | - |
| Hardware stores ................................................ | 525 | 31.0 | 31.1 | 30.4 | 30.2 | - | - | - | - | - | - |
| Retail nurseries and garden stores ........................ | 526 | 30.2 | 30.5 | 32.0 | 31.2 | - | - | - | - | - | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SIC } \end{aligned}$Code | Average hourly eamings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 \mathrm{P} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{P} \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \mathrm{Oct} \text {. } \\ 1998 \end{gathered}$ | Nov. 1998P | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{P} \end{gathered}$ |
| Transportation and public utliftles-Continued Pailroad transportation: <br> Class I railroads plus Amtrak ${ }^{3}$ $\qquad$ | 4011 | \$18.12 | \$18.02 | \$17.90 | \$17.98 | - | \$936.80 | \$891.99 | \$805.50 | \$814.49 | - |
| Local and interurban passenger transit .................... | 41 | 10.98 | 11.00 | 11.20 | 11.31 | - | 376.61 | 378.40 | 384.16 | 387.93 | - |
| Local and suburban transportation ........................... | 411 | 11.47 | 11.52 | 11.77 | 11.89 | - | 445.04 | 443.52 | 449.61 | 462.52 | - |
| Intercity and rural bus transportation ....................... | 413 | 13.69 | 13.34 | 12.88 | 13.00 | - | 529.80 | 510.92 | 511.34 | 507.00 | - |
| Trucking and warehousing | 42 | 13.41 | 13.48 | 13.68 | 13.75 | - | 541.76 | 543.24 | 556.78 | 554.13 | - |
| Trucking and courier services, except air | 421 | 13.68 | 13.70 | 13.92 | 13.99 | - | 551.30 | 549.37 | 565.15 | 562.40 | - |
| Public warehousing and storage ......................... | 422 | 10.80 | 11.15 | 11.18 | 11.27 | - | 448.20 | 460.50 | 465.09 | 467.71 | - |
| Water transportation: <br> Water transportation services | 449 | 21.22 | 20.25 | 20.58 | 21.17 | - | 829.70 | 773.55 | 771.75 | 806.58 | - |
| Pipelines, except natural gas ................................. | 46 | 20.94 | 20.70 | 20.92 | 20.99 | - | 942.30 | 921.15 | 947.68 | 965.54 | - |
| Transportation services | 47 | 13.56 | 13.39 | 13.82 | 14.11 | - | 513.92 | 496.77 | 530.69 | 555.93 | - |
| Passenger transportation arrangement .................. | 472 | 13.89 | 13.57 | 14.22 | 14.75 | - | 527.82 | 493.95 | 548.89 | 582.63 | - |
| Travel agencies ............................................... | 4724 | 14.12 | 13.77 | 14.53 | 15.09 | - | 540.80 | 503.98 | 573.94 | 611.15 | - |
| Freight transportation arrangement ....................... | 473 | 13.66 | 13.54 | 13.66 | 13.81 | - | 506.79 | 503.69 | 514.98 | 539.97 | - |
| Communications | 48 | 17.21 | 17.21 | 17.45 | 17.48 | - | 698.73 | 695.28 | 708.47 | 713.18 | - |
| Telephone communications | 481 | 17.76 | 17.74 | 17.90 | 18.00 | - | 747.70 | 745.08 | 758.96 | 761.40 | - |
| Telephone communications, except radio ............. | 4813 | 18.27 | 18.29 | 18.45 | 18.49 | - | 772.82 | 773.67 | 793.35 | 793.22 | - |
| Radio and television broadcasting ......................... | 483 | 17.55 | 17.74 | 18.08 | 18.00 | - | 631.80 | 629.77 | 636.42 | 640.80 | - |
| Cable and other pay television services ................. | 484 | 13.80 | 13.73 | 14.36 | 14.21 | - | 550.62 | 543.71 | 571.53 | 576.93 | - |
| Electric, gas, and sanitary services | 49 | 19.59 | 19.50 | 20.13 | 20.43 | - | 836.49 | 815.10 | 857.54 | 884.62 | - |
| Electric services ......................... | 491 | 20.73 | 20.54 | 21.23 | 21.77 | - | 872.73 | 835.98 | 889.54 | 933.93 | - |
| Gas production and distribution | 492 | 18.64 | 18.50 | 18.60 | 19.14 | - | 822.02 | 789.95 | 807.24 | 844.07 | - |
| Combination utility services | 493 | 23.38 | 23.22 | 24.70 | 24.13 | - | 1,010.02 | 1,010.07 | 1,047.28 | 1,054.48 | - |
| Sanitary services ............................................... | 495 | 15.15 | 15.39 | 15.82 | 16.04 | - | 643.88 | 652.54 | 696.08 | 702.55 |  |
| Wholesale trade |  | 13.76 | 13.72 | 14.13 | 14.29 | \$14.27 | 532.51 | 526.85 | 541.18 | 553.02 | \$549.40 |
| Durable goods | 50 | 14.34 | 14.27 | 14.78 | 14.96 | - | 566.43 | 557.96 | 574.94 | 589.42 | - |
| Motor vehicles, parts, and supplies | 501 | 12.50 | 12.67 | 12.94 | 13.18 | - | 475.00 | 480.19 | 482.66 | 496.89 | - |
| Furniture and home furnishings ............................ | 502 | 12.69 | 12.71 | 13.26 | 13.35 | - | 480.95 | 485.52 | 493.27 | 497.96 | - |
| Lumber and other construction materials | 503 | 13.00 | 12.87 | 13.39 | 13.52 | - | 518.70 | 508.37 | 542.30 | 542.15 | - |
| Protessional and commercial equipment | 504 | 16.89 | 16.73 | 17.48 | 17.60 | - | 682.36 | 664.18 | 688.71 | 714.56 | - |
| Medical and hospital equipment ....... | 5047 | 16.40 | 16.58 | 17.51 | 17.71 | - | 657.64 | 649.94 | 684.64 | 713.71 | - |
| Metals and minerals, except petroleum .................. | 505 | 13.74 | 13.76 | 13.92 | 14.08 | - | 577.08 | 575.17 | 572.11 | 584.32 | - |
| Electrical goods ................................................. | 506 | 15.68 | 15.48 | 15.73 | 16.09 | - | 620.93 | 608.36 | 618.19 | 640.38 | - |
| Hardware, plumbing, and heating equipment | 507 | 13.64 | 13.51 | 13.88 | 14.02 | - | 538.78 | 529.59 | 538.54 | 549.58 | - |
| Machinery, equipment, and supplies ..................... | 508 | 14.42 | 14.32 | 14.99 | 15.10 | - | 572.47 | 564.21 | 590.61 | 599.47 | - |
| Misc. wholesale trade durable goods ..................... | 509 | 11.06 | 11.20 | 11.49 | 11.50 | - | 420.28 | 422.24 | 421.68 | 424.35 | - |
| Nondurable goods | 51 | 12.89 | 12.91 | 13.19 | 13.30 | - | 485.95 | 482.83 | 495.94 | 501.41 | - |
| Paper and paper products | 511 | 13.54 | 13.10 | 13.91 | 13.95 | - | 502.33 | 478.15 | 516.06 | 528.71 | - |
| Drugs, proprietaries, and sundries ........................ | 512 | 17.02 | 16.80 | 17.54 | 17.77 | - | 622.93 | 606.48 | 634.95 | 661.04 | - |
| Apparel, piece goods, and notions ........................ | 513 | 12.32 | 12.54 | 13.03 | 13.01 | - | 471.86 | 467.74 | 480.81 | 482.67 | - |
| Groceries and related products ............................ | 514 | 13.11 | 13.18 | 13.27 | 13.27 | - | 506.05 | 507.43 | 512.22 | 512.22 | - |
| Farm-product raw materials ................................. | 515 | 9.74 | 9.84 | 10.01 | 10.16 | - | 344.80 | 331.61 | 378.38 | 354.58 | - |
| Chemicals and allied products | 516 | 14.74 | 14.67 | 15.21 | 15.50 | - | 591.07 | 588.27 | 608.40 | 629.30 | - |
| Petroleum and petroleum products ....................... | 517 | 11.93 | 11.90 | 12.02 | 12.07 | - | 454.53 | 449.82 | 454.36 | 462.28 | - |
| Beer, wine, and distilled beverages ....................... | 518 | 15.00 | 15.31 | 15.28 | 15.54 | - | 567.00 | 574.13 | 573.00 | 585.86 | - |
| Misc. wholesale trade nondurable goods ................ | 519 | 10.55 | 10.61 | 10.94 | 11.04 | - | 381.91 | 385.14 | 394.93 | 399.65 | - |
| Retail trade ......................................................... |  | 8.51 | 8.51 | 8.86 | 8.87 | 8.89 | 245.09 | 248.49 | 256.05 | 256.34 | 259.59 |
| Building materials and garden supplies .................... | 52 | 10.06 | 10.00 | 10.50 | 10.62 | - | 346.06 | 344.00 | 368.55 | 371.70 | - |
| Lumber and other building materials ..................... | 521 | 10.44 | 10.36 | 10.95 | 11.11 | - | 374.80 | 370.89 | 404.06 | 408.85 | - |
| Paint, glass, and wallpaper stores ......................... | 523 | 10.80 | 10.62 | 10.78 | 10.87 | - | 387.72 | 379.13 | 375.14 | 389.15 | - |
| Hardware stores ................................................ | 525 | 8.31 | 8.32 | 8.66 | 8.69 | - | 257.61 | 258.75 | 263.26 | 262.44 | - |
| Retail nurseries and garden stores ........................ | 526 | 9.12 | 9.13 | 9.42 | 9.59 | - | 275.42 | 278.47 | 301.44 | 299.21 | - |

See footnotes at end of table.

## ESTABLSHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \end{gathered}$Code | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{P} \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 199 \mathrm{P}^{\mathrm{p}} \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \mathrm{P} \end{aligned}$ |
| Retail trade-Continued |  |  |  |  |  |  |  |  |  |  |  |
| General merchandise stores .................................. | 53 | 29.8 | 31.2 | 29.4 | 29.5 | - | - | - | - | - | - |
| Department stores .............................................. | 531 | 29.8 | 31.3 | 29.4 | 29.6 | - | - | - | - | - | - |
| Variety stores .................................................... | 533 | 27.7 | 29.3 | 27.7 | 27.7 | - | - | - | - | - | - |
| Misc. general merchandise stores ......................... | 539 | 30.0 | 31.1 | 30.1 | 29.9 | - | - | - | - | - | - |
| Food stores ......................................................... | 54 | 29.7 | 29.6 | 29.7 | 29.7 | - | - | - | - | - | - |
| Grocery stores ................................................... | 541 | 29.8 | 29.6 | 29.8 | 29.8 | - | - | - | - | - | - |
| Retail bakeries ................................................... | 546 | 28.9 | 29.4 | 29.1 | 28.8 | - | - | - | - | - | - |
| Automotive dealers and service stations .................. | 55 | 35.6 | 35.2 | 35.5 | 35.6 | - | - | - | - | - | - |
| New and used car dealers .................................. | 551 | 37.0 | 36.8 | 37.0 | 37.1 | - | - | - | - | - | - |
| Auto and home supply stores ............................... | 553 | 38.2 | 37.5 | 37.9 | 38.3 | - | - | - | - | - | - |
| Gasoline service stations ..................................... | 554 | 31.9 | 31.4 | 31.8 | 31.9 | - | - | - | - | - | - |
| Automotive dealers, nec ...................................... | 559 | 35.1 | 35.2 | 35.5 | 36.1 | - | - | - | - | - | - |
| Apparel and accessory stores ................................ | 56 | 26.6 | 27.3 | 26.5 | 26.3 | - | - | - | - | - | - |
| Men's and boys' clothing stores ............................ | 561 | 28.9 | 30.0 | 28.6 | 27.8 | - | - | - | - | - | - |
| Women's clothing stores ..................................... | 562 | 24.9 | 25.1 | 24.0 | 23.4 | - | - | - | - | - | - |
| Family clothing stores ......................................... | 565 | 27.4 | 28.2 | 27.3 | 27.5 | - | - | - | - | - | - |
| Shoe stores ...................................................... | 556 | 26.0 | 26.9 | 26.4 | 26.3 | - | - | - | - | - | - |
| Furniture and home furnishings stores ..................... | 57 | 33.2 | 33.5 | 32.9 | 33.0 | - | - | - | - | - | - |
| Furniture and home furnishings stores ................... | 571 | 33.1 | 33.1 | 33.0 | 33.1 | - | - | - | - | - | - |
| Household appliance stores ................................ | 572 | 34.8 | 35.3 | 34.4 | 34.1 | - | - | - | - | - | - |
| Radio, television, and computer stores .................. | 573 | 33.0 | 33.8 | 32.7 | 32.6 | - | - | - | - | - | - |
| Radio, television, and electronic stores ................ | 5731 | 33.1 | 35.0 | 32.1 | 32.6 | - | - | - | - | - | - |
| Record and prerecorded tape stores .................... | 5735 | 25.0 | 26.7 | 25.8 | 24.0 | - | - | - | - | - | - |
| Eating and drinking places ${ }^{4}$................................... | 58 | 25.1 | 25.2 | 25.4 | 25.4 | - | - | - | - | - | - |
| Miscellaneous retail establishments ........................ | 59 | 29.3 | 30.5 | 29.4 | 29.4 | - | - | - | - | - | - |
| Drug stores and proprietary stores ........................ | 591 | 28.7 | 28.9 | 28.6 | 28.7 | - | - | - | - | - | - |
| Used merchandise stores .................................... | 593 | 30.8 | 30.6 | 30.4 | 30.3 | - | - | - | - | - | - |
| Miscellaneous shopping goods stores .................... | 594 | 27.2 | 29.3 | 27.5 | 27.4 | - | - | - | - | - | - |
| Nonstore retailers .............................................. | 596 | 33.0 | 34.5 | 32.4 | 33.1 | - | - | - | - | - | - |
| Fuel dealers ...................................................... | 598 | 39.0 | 39.3 | 37.6 | 38.6 | - | - | - | - | - | - |
| Retail stores, nec ................................................ | 599 | 30.0 | 31.0 | 30.7 | 30.4 | - | - | - | - | - | - |
| Optical goods stores ......................................... | 5995 | 33.0 | 33.0 | 34.1 | 34.0 | - | - | - | - | - | - |
| Miscellaneous retail stores, nec .......................... | 5999 | 30.2 | 30.7 | 30.8 | 30.4 | - | - | - | - | - | - |
| Finance, insurance, and real estate ${ }^{5}$..................... |  | 36.7 | 35.9 | 36.1 | 37.0 | 36.1 | - | - | - | - | - |
| Depository institutions .......................................... | 60 | 36.1 | 34.9 | 35.2 | 36.5 | - | - | - | - | - | - |
| Commercial banks .............................................. | 602 | 36.0 | 34.6 | 35.1 | 36.7 | - | - | - | - | - | - |
| State commercial banks .................................... | 6022 | 36.1 | 35.0 | 35.1 | 36.1 | - | - | - | - | - | - |
| National and commercial banks, nec .................... | 6021,9 | 35.8 | 34.3 | 35.0 | 37.1 | - | - | - | - | - | - |
| Credit unions ..................................................... | 606 | 36.3 | 35.7 | 35.6 | 35.9 | - | - | - | - | - | - |
|  | 61 | 38.6 | 37.2 | 38.2 | 39.7 | - | - | - | - | - | - |
| Personal credit institutions | 614 | 39.4 | 37.8 | 38.3 | 40.4 | - | - | - | - | - | - |
| Security and commodity brokers: <br> Security and commodity services $\qquad$ | 628 | 38.9 | 37.3 | 38.2 | 39.6 | - | - | - | - | - | - |
| Insurance carriers ................................................. | 63 | 39.1 | 38.5 | 38.6 | 39.1 | - | - | - | - | - | - |
| Life insurance .................................................... | 631 | 38.4 | 37.7 | 38.6 | 39.2 | - | - | - | - | - | - |
| Medical service and health insurance .................... | 632 | 39.0 | 39.3 | 38.7 | 38.8 | - | - | - | - | - | - |
| Hospital and medical service plans ...................... | 6324 | 39.3 | 39.7 | 39.2 | 39.2 | - | - | - | - | - | - |
| Fire, marine, and casualty insurance ..................... | 633 | 39.9 | 38.9 | 38.8 | 39.1 | - | - | - | - | - | - |
| Services ................................................................ |  | 32.8 | 32.6 | 32.6 | 32.8 | 32.7 | - | - | - | - | - |
| Agricultural services ............................................ | 07 | 33.5 | 32.6 | 35.5 | 34.6 | - | - | - | - | - | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \text { SiC } \\ & \text { Code } \end{aligned}$ | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998{ }^{p} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998 ${ }^{\circ}$ | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ |
| Retail trade-Continued |  |  |  |  |  |  |  |  |  |  |  |
| General merchandise stores | 53 | \$8.27 | \$8.29 | \$8.62 | \$8.55 | - | \$246.45 | \$258.65 | \$253.43 | \$252.23 | - |
| Department stores | 531 | 8.31 | 8.35 | 8.67 | 8.60 | - | 247.64 | 261.36 | 254.90 | 254.56 | - |
| Variety stores ....... | 533 | 7.54 | 7.47 | 7.78 | 7.74 | - | 208.86 | 218.87 | 215.51 | 214.40 | - |
| Misc. general merchandise stores ......................... | 539 | 8.13 | 8.13 | 8.41 | 8.38 | - | 243.90 | 252.84 | 253.14 | 250.56 | - |
| Food stores | 54 | 8.80 | 8.81 | 9.17 | 9.19 | - | 261.36 | 260.78 | 272.35 | 272.94 | - |
| Grocery stores .................................................... | 541 | 8.92 | 8.94 | 9.26 | 9.29 | - | 265.82 | 264.62 | 275.95 | 276.84 | - |
| Retail bakeries | 546 | 7.65 | 7.78 | 8.30 | 8.18 | - | 221.09 | 228.73 | 241.53 | 235.58 | - |
| Automotive dealers and service stations .................. | 55 | 11.67 | 11.54 | 12.18 | 12.27 | - | 415.45 | 406.21 | 432.39 | 436.81 | - |
| New and used car dealers ................................... | 551 | 14.66 | 14.36 | 15.25 | 15.42 | - | 542.42 | 528.45 | 564.25 | 572.08 | - |
| Auto and home supply stores ............................... | 553 | 9.72 | 9.64 | 10.13 | 10.14 | - | 371.30 | 361.50 | 383.93 | 388.36 | - |
| Gasoline service stations ..... | 554 | 7.63 | 7.71 | 7.95 | 7.95 | - | 243.40 | 242.09 | 252.81 | 253.61 | - |
| Automotive dealers, nec | 559 | 12.46 | 12.61 | 13.06 | 13.66 | - | 437.35 | 443.87 | 463.63 | 493.13 | - |
| Apparel and accessory stores | 56 | 8.20 | 8.17 | 8.57 | 8.54 | - | 218.12 | 223.04 | 227.11 | 224.60 | - |
| Men's and boys' clothing stores | 561 | 9.97 | 9.89 | 10.22 | 10.02 | - | 288.13 | 296.70 | 292.29 | 278.56 | - |
| Women's clothing stores | 562 | 8.10 | 8.08 | 8.49 | 8.51 | - | 201.69 | 202.81 | 203.76 | 199.13 | - |
| Family clothing stores .... | 565 | 7.93 | 7.85 | 8.39 | 8.35 | - | 217.28 | 221.37 | 229.05 | 229.63 | - |
| Shoe stores ............... | 566 | 8.07 | 8.23 | 8.26 | 8.24 | - | 209.82 | 221.39 | 218.06 | 216.71 | - |
| Furniture and home furnishings stores | 57 | 11.57 | 11.56 | 12.00 | 12.06 | - | 384.12 | 387.26 | 394.80 | 397.98 | - |
| Furniture and home furnishings stores ................... | 571 | 10.97 | 11.03 | 11.34 | 11.46 | - | 363.11 | 365.09 | 374.22 | 379.33 | - |
| Household appliance stores ................................ | 572 | 11.04 | 11.06 | 11.14 | 11.32 | - | 384.19 | 390.42 | 383.22 | 386.01 | - |
| Radio, television, and computer stores .................. | 573 | 12.36 | 12.24 | 12.92 | 12.86 | - | 407.88 | 413.71 | 422.48 | 419.24 | - |
| Radio, television, and electronic stores ................ | 5731 | 11.21 | 11.46 | 11.66 | 11.77 | - | 371.05 | 401.10 | 374.29 | 383.70 | - |
| Record and prerecorded tape stores .................... | 5735 | 7.07 | 6.92 | 7.27 | 7.17 | - | 176.75 | 184.76 | 187.57 | 172.08 | - |
| Eating and drinking places ${ }^{4}$................................... | 58 | 6.21 | 6.28 | 6.45 | 6.45 | - | 155.87 | 158.26 | 163.83 | 163.83 | - |
| Miscellaneous retail establishments ........................ | 59 | 9.16 | 9.12 | 9.53 | 9.52 | - | 268.39 | 278.16 | 280.18 | 279.89 | - |
| Drug stores and proprietary stores ........................ | 591 | 9.83 | 9.85 | 10.13 | 10.17 | - | 282.12 | 284.67 | 289.72 | 291.88 | - |
| Used merchandise stores .................................... | 593 | 7.72 | 7.76 | 7.98 | 7.99 | - | 237.78 | 237.46 | 242.59 | 242.10 | - |
| Miscellaneous shopping goods stores | 594 | 8.43 | 8.36 | 8.80 | 8.78 | - | 229.30 | 244.95 | 242.00 | 240.57 | - |
| Nonstore retailers | 596 | 9.53 | 9.60 | 9.96 | 9.90 | - | 314.49 | 331.20 | 322.70 | 327.69 | - |
| Fuel dealers | 598 | 12.75 | 12.87 | 12.88 | 13.08 | - | 497.25 | 505.79 | 484.29 | 504.89 | - |
| Retail stores, nec ............................................................................... | 599 | 9.24 | 9.16 | 9.72 | 9.64 | - | 277.20 | 283.96 | 298.40 | 293.06 | - |
| Optical goods stores ......................................... | 5995 | 11.17 | 11.18 | 11.43 | 11.36 | - | 368.61 | 368.94 | 389.76 | 386.24 | - |
| Miscellaneous retail stores, nec | 5999 | 9.55 | 9.45 | 10.01 | 9.95 | - | 288.41 | 290.12 | 308.31 | 302.48 | - |
| Finance, insurance, and real estate ${ }^{5}$..................... |  | 13.72 | 13.64 | 14.20 | 14.41 | \$14.33 | 503.52 | 489.68 | 512.62 | 533.17 | \$517.31 |
| Depository institutions ........................................... | 60 | 10.53 | 10.55 | 10.95 | 11.09 | - | 380.13 | 368.20 | 385.44 | 404.79 | - |
| Commercial banks .............................................. | 602 | 10.04 | 10.13 | 10.56 | 10.72 | - | 361.44 | 350.50 | 370.66 | 393.42 | - |
| State commercial banks | 6022 | 9.86 | 9.94 | 10.29 | 10.38 | - | 355.95 | 347.90 | 361.18 | 374.72 | - |
| National and commercial banks, nec .................... | 6021,9 | 10.16 | 10.26 | 10.76 | 10.96 | - | 363.73 | 351.92 | 376.60 | 406.62 | - |
| Credit unions | 606 | 10.36 | 10.32 | 10.66 | 10.80 | - | 376.07 | 368.42 | 379.50 | 387.72 | - |
| Nondepository institutions ..................................... | 61 | 14.16 | 14.07 | 14.61 | 14.96 | - | 546.58 | 523.40 | 558.10 | 593.91 | - |
| Personal credit institutions | 614 | 11.96 | 11.85 | 12.12 | 12.42 | - | 471.22 | 447.93 | 464.20 | 501.77 | - |
| Security and commodity brokers: <br> Security and commodity services $\qquad$ | 628 | 20.02 | 20.07 | 21.10 | 21.40 | - | 778.78 | 748.61 | 806.02 | 847.44 | - |
| Insurance carriers ................................................ | 63 | 16.43 | 16.16 | 16.81 | 16.93 | - | 642.41 | 622.16 | 648.87 | 661.96 | - |
| Life insurance | 631 | 14.98 | 14.91 | 15.28 | 15.32 | - | 575.23 | 562.11 | 589.81 | 600.54 | - |
| Medical service and health insurance | 632 | 15.20 | 15.18 | 16.14 | 16.27 | - | 592.80 | 596.57 | 624.62 | 631.28 | - |
| Hospital and medical service plans ...................... | 6324 | 15.54 | 15.60 | 16.56 | 16.67 | - | 610.72 | 619.32 | 649.15 | 653.46 | - |
| Fire, marine, and casualty insurance ...................... | 633 | 18.03 | 17.51 | 18.06 | 18.25 | - | 719.40 | 681.14 | 700.73 | 713.58 | - |
| Services ............................................................... |  | 12.57 | 12.61 | 13.01 | 13.14 | 13.18 | 412.30 | 411.09 | 424.13 | 430.99 | 430.99 |
| Agricultural services ............................................. | 07 | 9.74 | 9.96 | 10.09 | 10.18 | - | 326.29 | 324.70 | 358.20 | 352.23 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | 1987 SIC Code | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 19980 | $\begin{gathered} \text { Dec. } \\ 1998 \text {. } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & \text { 1998p } \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Agricultural services-Continued |  |  |  |  |  |  |  |  |  |  |  |
| Veterinary services | 074 | 29.0 | 28.3 | 28.8 | 28.5 | - | - | - | - | - | - |
| Landscape and horticultural services ................... | 078 | 35.4 | 34.6 | 38.3 | 37.0 | - | - | - | - | - | - |
| Hotels and other lodging places: Hotels and motels ${ }^{4}$ | 701 | 31.2 | 30.2 | 31.5 | 31.3 | - | - | - | - | - | - |
| Personal services: |  |  |  |  |  |  |  |  |  |  |  |
| Laundry, cleaning, and garment services ............... | 721 | 34.4 | 34.4 | 34.5 | 34.3 | - | - | - | - | - | - |
| Beauty shops ${ }^{4}$.................................................. | 723 | 28.2 | 28.5 | 28.0 | 28.0 | - | - | - | - | - | - |
| Miscellaneous personal services ........................... | 729 | 27.7 | 27.7 | 27.4 | 27.4 | - | - | - | - | - | - |
| Business services | 73 | 33.7 | 33.6 | 33.7 | 33.9 | - | - | - | - | - | - |
| Advertising . | 731 | 37.2 | 36.3 | 36.6 | 37.6 | - | - | - | - | - | - |
| Mailing, reproduction, and stenographic services: Photocopying and duplicating services | 7334 | 37.5 | 37.2 | 35.6 | 36.2 | - | - | - | - | - | - |
| Services to buildings ........................................... | 734 | 28.5 | 28.4 | 28.4 | 28.7 | - | - | - | - | - | - |
| Disinfecting and pest control services .................. | 7342 | 36.9 | 35.4 | 37.8 | 38.9 | - | - | - | - | - | - |
| Building maintenance services, nec ..................... | 7349 | 27.7 | 27.8 | 27.4 | 27.7 | - | - | - | - | - | - |
| Miscellaneous equipment rental and leasing ............ | 735 | 38.8 | 38.9 | 39.2 | 39.2 | - | - | - | - | - | - |
| Medical equipment rental .................................. | 7352 | 37.0 | 36.7 | 36.6 | 37.4 | - | - | - | - | - | - |
| Heavy construction equipment rental ................... | 7353 | 40.3 | 40.5 | 41.2 | 40.9 | - | - | - | - | - | - |
| Equipment rental and leasing, nec ...................... | 7359 | 38.8 | 38.9 | 39.2 | 39.2 | - | - | - | - | - | - |
| Personnel supply services: |  | 325 | 32.5 | 32.7 | 325 | - |  |  |  |  |  |
| Computer and data processing services ...................................... | 7363 | 32.5 39.0 | 32.6 38.4 | 32.7 38.5 | 32.5 | - | - | - | - | - | - |
| Computer programming services ........................ | 7371 | 38.7 | 38.1 | 38.2 | 38.8 | - | - | - | - | - | - |
| Computer integrated systems design ................... | 7373 | 39.8 | 38.6 | 39.6 | 40.8 | - | - | - | - | - | - |
| Information retrieval services .............................. | 7375 | 38.3 | 38.2 | 39.3 | 39.3 | - | - | - | - | - | - |
| Computer maintenance and repair ...................... | 7378 | 38.8 | 38.8 | 40.2 | 40.8 | - | - | - | - | - | - |
| Miscellaneous business services | 738 | 33.2 | 33.2 | 33.3 | 33.5 | - | - | - | - | - | - |
| Detective and armored car services ..................... | 7381 | 34.4 | 34.5 | 34.5 | 34.9 | - | - | - | - | - | - |
| Security systems services ................................. | 7382 | 35.5 | 35.3 | 36.8 | 36.9 | - | - | - | - | - | - |
| Auto repair, services, and parking ........................... | 75 | 35.9 | 35.8 | 36.0 | 35.6 | - | - | - | - | - | - |
| Automotive rentals, without drivers ........................ | 751 | 36.2 | 36.4 | 36.6 | 36.5 | - | - | - | - | - | - |
| Passenger car renta! ........................................ | 7514 | 36.4 | 36.5 | 36.4 | 36.3 | - | - | - | - | - | - |
| Automobile parking ............................................ | 752 | 33.6 | 33.1 | 32.5 | 32.6 | - | - | - | - | - | - |
| Automotive repair shops | 753 | 38.2 | 38.1 | 38.1 | 38.0 | - | - | - | - | - | - |
| Automotive and tire repair shops | 7532,4 | 38.4 | 38.3 | 38.2 | 38.1 | - | - | - | - | - | - |
| General automotive repair shops | 7538 | 37.7 | 37.6 | 37.9 | 37.8 | - | - | - | - | - | - |
| Automotive services, except repair ........................ | 754 | 30.6 | 30.7 | 31.3 | 30.2 | - | - | - | - | - | - |
| Carwashes ..................................................... | 7542 | 26.4 | 27.5 | 28.8 | 26.5 | - | - | - | - | - | - |
| Miscellaneous repair services ................................ | 76 | 38.3 | 38.4 | 38.5 | 38.1 | - | - | - | - | - | - |
| Motion pictures | 78 | 30.3 | 30.0 | 29.9 | 30.3 | - | - | - | - | - | - |
| Motion picture production and services .................. | 781 | 39.6 | 39.8 | 39.5 | 39.5 | - | - | - | - | - | - |
| Video tape rental ............................................... | 784 | 24.5 | 23.8 | 22.6 | 23.5 | - | - | - | - | - | - |
| Amusement and recreation services ....................... | 79 | 26.8 | 26.6 | 26.1 | 26.5 | - | - | - | - | - | - |
| Bowling centers ................................................. | 793 | 25.0 | 24.8 | 25.2 | 25.4 | - | - | - | - | - | - |
| Misc. amusement and recreation services .............. | 799 | 26.0 | 26.1 | 25.7 | 26.0 | - | - | - | - | - | - |
| Physical fitness facilities ................................... | 7991 | 19.6 | 18.6 | 19.7 | 19.7 | - | - | - | - | - | - |
| Membership sports and recreation clubs ............... | 7997 | 27.7 | 29.2 | 27.7 | 27.4 | - | - | - | - | - | - |
| Health services .................................................... | 80 | 33.3 | 33.1 | 32.9 | 33.2 | - | - | - | - | - | - |
| Officos and clinics of medical doctors .................... | 801 | 33.6 | 33.1 | 32.7 | 33.1 | - | - | - | - | - | - |
| Offices and clinics of dentists ............................... | 802 | 28.7 | 28.5 | 27.9 | 28.4 | - | - | - | - | - | - |
| Offices and clinics of other health practitioners ........ | 804 | 30.3 | 30.0 | 30.1 | 30.6 | - | - | - | - | $\cdots$ | - |
| Nursing and personal care facilities ....................... | 805 | 32.7 | 32.4 | 32.4 | 32.8 | - | - | - | - | - | - |
| Intermediate care facilities .................................. | 8052 | 32.2 | 32.0 | 31.6 | 32.0 | - | - | - | - | - | - |
| Hospitals ......................................................... | 806 | 35.2 | 35.1 | 34.8 | 34.9 | - | - | - | - | - | - |

See footnotes at end of table.

## ESTABLISHMENT DATA <br> HOURS AND EARNINGS <br> NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Indusiry | 1987 SIC Code | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{aligned} & \text { Dec. } \\ & 1998^{p} \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 1998p | $\begin{gathered} \text { Dec. } \\ 1998 \mathrm{p} \end{gathered}$ |
| Services-Continued |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Veterinary services | 074 | \$9.74 | \$9.84 | \$10.04 | \$10.13 | - | \$282.46. | \$278.47 | \$289.15 | \$288.71 | - |
| Landscape and horticultural services | 078 | 9.81 | 10.08 | 10.15 | 10.24 | - | 347.27 | 348.77 | 388.75 | 378.88 | - |
| Hotels and other lodging places: Hotels and moteis ${ }^{4}$ | 701 | 8.81 | 8.95 | 9.05 | 9.13 | - | 274.87 | 270.29 | 285.08 | 285.77 | - |
| Personal services: |  |  |  |  |  |  |  |  |  |  |  |
| Laundry, cleaning, and garment services | 721 | 8.18 | 8.23 | 8.50 | 8.55 | - | 281.39 | 283.11 | 293.25 | 293.27 | - |
| Beauty shops ${ }^{4}$................................... | 723 | 9.15 | 9.45 | 9.27 | 9.39 | _ | 258.03 | 269.33 | 259.56 | 262.92 | - |
| Miscellaneous personal services ........................................................... | 729 | 8.76 | 9.01 | 9.32 | 9.37 | - | 242.65 | 249.58 | 255.37 | 256.74 | - |
| Business services | 73 | 12.08 | 12.09 | 12.65 | 12.82 | - | 407.10 | 406.22 | 426.31 | 434.60 | - |
| Advertising. | 731 | 17.18 | 17.11 | 17.64 | 17.95 | - | 639.10 | 621.09 | 645.62 | 674.92 | - |
| Mailing, reproduction, and stenographic services: Photocopying and duplicating services | 7334 | 11.24 | 11.08 | 11.48 | 11.44 | - | 421.50 | 412.18 | 408.69 | 414.13 | - |
| Services to buildings ........................................... | 734 | 8.11 | 8.07 | 8.31 | 8.34 | - | 231.14 | 229.19 | 236.00 | 239.36 | - |
| Disinfecting and pest control services .................. | 7342 | 11.18 | 11.00 | 11.42 | 11.59 | - | 412.54 | 389.40 | 431.68 | 450.85 | - |
| Building maintenance services, nec .. | 7349 | 7.73 | 7.73 | 7.89 | 7.90 | - | 214.12 | 214.89 | 216.19 | 218.83 | - |
| Miscellaneous equipment rental and leasing ........... | 735 | 12.19 | 12.25 | 13.01 | 13.00 | - | 472.97 | 476.53 | 509.99 | 509.60 | - |
| Medical equipment rental | 7352 | 11.65 | 11.86 | 12.93 | 13.01 | - | 431.05 | 435.26 | 473.24 | 486.57 | - |
| Heavy construction equipment rental ................... | 7353 | 15.87 | 15.98 | 16.75 | 16.70 | - | 639.56 | 647.19 | 690.10 | 683.03 | - |
| Equipment rental and leasing, nec ....................... | 7359 | 11.22 | 11.23 | 11.87 | 11.86 | - | 435.34 | 436.85 | 465.30 | 464.91 | - |
| Personnel supply services: | 7363 | 9.77 | 9.87 | 10.20 | 10.28 |  | 31753 | 321.76 | 333.54 | 334.10 |  |
| Computer and data processing services | 737 | 20.64 | 9.87 20.56 | 10.20 | 12.78 | - | 317.53 804.96 | 789.50 | 333.54 826.21 | 851.82 | - |
| Computer programming services | 7371 | 23.77 | 23.70 | 24.74 | 25.11 | - | 919.90 | 902.97 | 945.07 | 974.27 | - |
| Computer integrated systems design ................... | 7373 | 20.75 | 20.61 | 20.91 | 21.10 | - | 825.85 | 795.55 | 828.04 | 860.88 | - |
| Information retrieval services .............................. | 7375 | 15.39 | 15.56 | 15.86 | 15.98 | - | 589.44 | 594.39 | 623.30 | 628.01 | - |
| Computer maintenance and repair ...................... | 7378 | 15.54 | 15.46 | 17.00 | 17.56 | - | 602.95 | 599.85 | 683.40 | 716.45 | - |
| Miscellaneous business services | 738 | 9.95 | 9.96 | 10.21 | 10.22 | - | 330.34 | 330.67 | 339.99 | 342.37 | - |
| Detective and armored car services .................... | 7381 | 8.03 | 8.11 | 8.37 | 8.42 | - | 276.23 | 279.80 | 288.77 | 293.86 | - |
| Security systems services ................................. | 7382 | 12.65 | 12.75 | 13.79 | 13.76 | - | 449.08 | 450.08 | 507.47 | 507.74 | - |
| Auto repair, services, and parking ........................... | 75 | 10.85 | 10.86 | 11.18 | 11.24 | - | 389.52 | 388.79 | 402.48 | 400.14 | - |
| Automotive rentals, without drivers ......................... | 751 | 10.28 | 10.32 | 10.62 | 10.70 | - | 372.14 | 375.65 | 388.69 | 390.55 | - |
| Passenger car rental ................. | 7514 | 9.30 | 9.29 | 9.54 | 9.60 | - | 338.52 | 339.09 | 347.26 | 348.48 | - |
| Automobile parking .... | 752 | 8.19 | 8.42 | 8.23 | 8.17 | - | 275.18 | 278.70 | 267.48 | 266.34 | - |
| Automotive repair shops ...................................... | 753 | 12.10 | 12.16 | 12.59 | 12.64 | - | 462.22 | 463.30 | 479.68 | 480.32 | - |
| Automotive and tire repair shops | 7532.4 | 12.67 | 12.77 | 13.25 | 13.35 | - | 486.53 | 489.09 | 506.15 | 508.64 | - |
| General automotive repair shops ........................ | 7538 | 12.05 | 12.08 | 12.44 | 12.47 | - | 454.29 | 454.24 | 471.48 | 471.37 | - |
| Automotive services, except repair ........................ | 754 | 8.42 | 8.25 | 8.58 | 8.60 | - | 257.65 | 253.28 | 268.55 | 259.72 | - |
| Carwashes ...................................................... | 7542 | 7.28 | 7.26 | 7.54 | 7.53 | - | 192.19 | 199.65 | 217.15 | 199.55 | - |
| Miscellaneous repair services ................................ | 76 | 12.90 | 13.01 | 13.46 | 13.46 | - | 494.07 | 499.58 | 518.21 | 512.83 | - |
| Motion pictures .................................................... | 78 | 14.71 | 14.97 | 15.08 | 15.27 | - | 445.71 | 449.10 | 450.89 | 462.68 | - |
| Motion picture production and services .................. | 781 | 20.32 | 20.86 | 20.30 | 20.97 | - | 804.67 | 830.23 | 801.85 | 828.32 | - |
| Video tape rental ............................................... | 784 | 6.79 | 6.86 | 7.23 | 7.23 | - | 166.36 | 163.27 | 163.40 | 169.91 | - |
| Amusement and recreation services | 79 | 9.85 | 9.87 | 9.89 | 10.14 | - | 263.98 | 262.54 | 258.13 | 268.71 | - |
| Bowling centers ................................................. | 793 | 7.45 | 7.54 | 7.56 | 7.65 | - | 186.25 | 186.99 | 190.51 | 194.31 | - |
| Misc. amusement and recreation services | 799 | 9.06 | 9.14 | 9.05 | 9.26 | - | 235.56 | 238.55 | 232.59 | 240.76 | - |
| Physical fitness facilities | 7991 | 8.59 | 8.70 | 8.90 | 9.00 | - | 168.36 | 161.82 | 175.33 | 177.30 | - |
| Membership sports and recreation clubs ............... | 7997 | 9.35 | 9.62 | 9.61 | 9.75 | - | 259.00 | 280.90 | 266.20 | 267.15 | - |
| Health services .................................................... | 80 | 13.45 | 13.51 | 13.86 | 13.89 | - | 447.89 | 447.18 | 455.99 | 461.15 | - |
| Offices and clinics of medical doctors | 801 | 14.01 | 14.11 | 14.41 | 14.46 | - | 470.74 | 467.04 | 471.21 | 478.63 | - |
| Offices and clinics of dentists ............................... | 802 | 13.88 | 13.90 | 14.27 | 14.37 | - | 398.36 | 396.15 | 398.13 | 408.11 | - |
| Offices and clinics of other health practitioners ........ | 804 | 12.88 | 12.96 | 13.08 | 13.07 | - | 390.26 | 388.80 | 393.71 | 399.94 | - |
| Nursing and personal care lacilities ....................... | 805 | 9.50 | 9.53 | 9.88 | 9.87 | - | 310.65 | 308.77 | 320.11 | 323.74 | - |
| Intermediate care facilities .................................. | 8052 | 8.99 | 9.02 | 9.44 | 9.45 | - | 289.48 | 288.64 | 298.30 | 302.40 | - |
| Hospitals .......................................................... | 806 | 15.21 | 15.26 | 15.63 | 15.65 | - | 535.39 | 535.63 | 543.92 | 546.19 | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{aligned} & 1987 \\ & \mathrm{SIC} \end{aligned}$ <br> Code | Average weekly hours |  |  |  |  | Average overtime hours |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Nov. } \\ 1997 \end{gathered}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998^{\circ} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998{ }^{p} \end{gathered}$ | Nov. 1997 | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1998 \text { p } \end{aligned}$ |
| Services-Continued Health services-Continued Home health care services |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 808 | 29.1 | 29.1 | 28.9 | 28.9 | - | - | - | - | - | - |
| Legal services ..................................................... | 81 | 35.6 | 34.7 | 34.7 | 35.5 | - | - | - | - | - | - |
| Social services .................................................... | 83 | 31.6 | 31.2 | 31.3 | 31.6 | - | - | - | - | - | - |
| Individual and family services ............................... | 832 | 31.7 | 31.4 | 31.3 | 31.8 | - | - | - | - | - | - |
| Job training and related services ........................... | 833 | 31.2 | 30.7 | 30.8 | 31.1 | - | - | - | - | - | - |
| Child day care services ...................................... | 835 | 30.4 | 29.8 | 29.9 | 29.9 | - | - | - | - | - | - |
| Residential care ................................................. | 836 | 32.6 | 32.0 | 32.2 | 32.7 | - | - | - | - | - | - |
| Social services, nec ............................................ | 839 | 32.8 | 32.2 | 32.4 | 33.0 | - | - | - | - | - | - |
| Membership organizations: |  |  |  |  |  |  |  |  |  |  |  |
| Professional organizations | 862 | 35.7 | 35.1 | 35.3 | 36.0 | - | - | - | - | - | - |
| Engineering and management services ................... | 87 | 37.5 | 37.0 | 37.0 | 37.6 | - | - | - | - | - | - |
| Engineering and architectural services ................... | 871 | 39.6 | 39.4 | 39.3 | 39.5 | - | - | - | - | - | - |
| Engineering services ........................................ | 8711 | 39.9 | 39.7 | 39.7 | 39.7 | - | - | - | - | - | - |
| Architectural services ....................................... | 8712 | 38.7 | 38.4 | 38.1 | 38.8 | - | - | - | - | - | - |
| Surveying services ... | 8713 | 37.8 | 38.0 | 38.4 | 38.1 | - | - | - | - | - | - |
| Accounting, auditing, and bookkeeping .................. | 872 | 36.5 | 35.8 | 36.1 | 36.8 | - | - | - | - | - | - |
| Research and testing services ............................. | 873 | 36.9 | 36.3 | 36.3 | 36.7 | - | - | - | - | - | - |
| Commercial physical research ............................ | 8731 | 40.5 | 39.6 | 39.5 | 39.7 | - | - | - | - | - | - |
| Commercial nonphysical research ...................... | 8732 | 30.6 | 30.4 | 30.7 | 31.3 | - | - | - | - | - | - |
| Noncommercial research organizations ............... | 8733 | 36.5 | 35.8 | 35.6 | 36.3 | - | - | - | - | - | - |
| Management and public relations .......................... | 874 | 36.5 | 35.9 | 35.8 | 36.7 | - | - | - | - | - | - |
| Management services ...................................... | 8741 | 35.3 | 34.7 | 34.5 | 35.4 | - | - | - | - | - | - |
| Management consulting services ........................ | 8742 | 36.9 | 36.3 | 36.2 | 37.2 | - | - | - | - | - | - |
| Public relations services .................................... | 8743 | 36.3 | 34.3 | 34.5 | 34.8 | - | - | - | - | - | - |
| Services, nec ...................................................... | 89 | 35.2 | 34.6 | 35.2 | 36.0 | - | - | - | - | - | - |

See footnotes at end of table.

B-15. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry-Continued

| Industry | $\begin{gathered} 1987 \\ \text { SIC } \\ \text { Code } \end{gathered}$ | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { Nov. } \\ 1998{ }^{2} \end{gathered}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1998^{p} \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ |
| Services-Continued <br> Health services-Continued <br> Home health care services $\qquad$ |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | 808 | \$11.39 | \$11.45 | \$11.55 | \$11.66 | - | \$331.45 | \$333.20 | \$333.80 | \$336.97 | - |
| Legal services ..................................................... | 81 | 17.75 | 17.61 | 18.19 | 18.54 | - | 631.90 | 611.07 | 631.19 | 658.17 | - |
| Social services | 83 | 8.98 | 8.98 | 9.31 | 9.38 | - | 283.77 | 280.18 | 291.40 | 296.41 | - |
| Individual and family services ............................... | 832 | 9.51 | 9.46 | 9.81 | 9.88 | - | 301.47 | 297.04 | 307.05 | 314.18 | - |
| Job training and related services ........................... | 833 | 8.70 | 8.68 | 9.03 | 9.17 | - | 271.44 | 266.48 | 278.12 | 285.19 | - |
| Child day care services ....................................... | 835 | 7.73 | 7.77 | 8.04 | 8.10 | - | 234.99 | 231.55 | 240.40 | 242.19 | - |
| Residential care ................................................. | 836 | 9.06 | 9.10 | 9.42 | 9.44 | - | 295.36 | 291.20 | 303.32 | 308.69 | - |
| Social services, nec ............................................ | 839 | 10.95 | 10.85 | 11.22 | 11.32 | - | 359.16 | 349.37 | 363.53 | 373.56 | - |
| Membership organizations: <br> Professional organizations | 862 | 18.22 | 18.07 | 18.46 | 18.51 | - | 650.45 | 634.26 | 651.64 | 666.36 | - |
| Engineering and management services ................... | 87 | 17.64 | 17.55 | 18.10 | 18.27 | - | 661.50 | 649.35 | 669.70 | 686.95 | - |
| Engineering and architectural services ................... | 871 | 19.38 | 19.39 | 19.79 | 19.96 | - | 767.45 | 763.97 | 777.75 | 788.42 | - |
| Engineering services ........................................ | 8711 | 20.24 | 20.30 | 20.68 | 20.89 | - | 807.58 | 805.91 | 821.00 | 829.33 | - |
| Architectural services ....................................... | 8712 | 17.37 | 17.11 | 17.71 | 17.79 | - | 672.22 | 657.02 | 674.75 | 690.25 | - |
| Surveying services | 8713 | 13.46 | 13.44 | 14.05 | 14.02 | - | 508.79 | 510.72 | 539.52 | 534.16 | - |
| Accounting, auditing, and bookkeeping .................. | 872 | 15.30 | 15.11 | 15.64 | 15.96 | - | 558.45 | 540.94 | 564.60 | 587.33 | - |
| Research and testing services ............................. | 873 | 18.23 | 18.03 | 18.40 | 18.51 | - | 672.69 | 654.49 | 667.92 | 679.32 | - |
| Commercial physical research ............................ | 8731 | 20.37 | 19.97 | 20.36 | 20.60 | - | 824.99 | 790.81 | 804.22 | 817.82 | - |
| Commercial nonphysical research ...................... | 8732 | 14.18 | 14.08 | 15.12 | 15.20 | - | 433.91 | 428.03 | 464.18 | 475.76 | - |
| Noncommercia! research organizations ............... | 8733 | 21.53 | 21.48 | 21.59 | 21.45 | - | 785.85 | 768.98 | 768.60 | 778.64 | - - |
| Management and public relations .......................... | 874 | 16.74 | 16.65 | 17.56 | 17.71 | - | 611.01 | 597.74 | 628.65 | 649.96 | - |
| Management services ....................................... | 8741 | 15.36 | 15.29 | 15.85 | 15.87 | - | 542.21 | 530.56 | 546.83 | 561.80 | - |
| Management consulting services ........................ | 8742 | 18.65 | 18.39 | 20.02 | 20.32 | - | 688.19 | 667.56 | 724.72 | 755.90 | - |
| Public relations services .................................... | 8743 | 15.43 | 15.29 | 16.09 | 16.25 | - | 560.11 | 524.45 | 555.11 | 565.50 | - |
| Services, nec ....................................................... | 89 | 17.03 | 16.86 | 17.48 | 17.49 | - | 599.46 | 583.36 | 615.30 | 629.64 | - |

1 Data relate to production workers in mining and manufacturing: construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

2 See table B-15a for average hourly earnings in aircratt (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing.

3 Data relate to line-haul railroads with operating revenues of $\$ 253.7$ million or more in 1993 and to Amtrak.
${ }_{5}^{4}$ Money payments only; tips, not included.
5 Excludes nonolfice commissioned real estate sales agents.

- Data not available.
$\mathrm{P}=$ preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.


# A Note on Average Hourly Earnings <br> in Aircraft (SIC 3721) and Guided Missiles and Space Vehicles (SIC 3761) Manufacturing 

For many years, the Bureau of Labor Statistics average hourly earnings series for production workers in aircraft manufacturing (SIC 3721) and guided missiles and space vehicles manufacturing (SIC 3761) have been used to escalate labor costs in contracts between aerospace companies and their customers. Although the Bureau's series by definition take account of traditional wage rate changes, they do not capture "lump-sum payments to workers in lieu of general wage increases" which were negotiated in aerospace manufacturers' collective bargaining agreements beginning in late 1983.

Because of special circumstances in the aerospace industry, BLS has calculated average hourly earnings series for SIC 3721 and SIC 3761 which include lump-sum payments. These series, beginning in October 1983, the effective date of the first aerospace bargaining agreement using lump-sum payments, were published in the June 1988 issue of Employment and Earnings. Current and year earlier data are presented in table B-15a along with the average hourly earnings series produced as part of the Current Employment Statistics program. An explanation of the methodology used to derive these series appears in the Explanatory Notes of this publication.

B-15a. Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing

| Series | Aircraft (SIC 3721) |  |  |  | Guided missiles and space vehicles (SIC 3761) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Oct. } \\ & 1997 \end{aligned}$ | Nov. 1997 | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 p \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ |
| Average hourly earnings, excluding lump-sum payments $\qquad$ | \$20.97 | \$20.91 | \$21.51 | \$21.56 | \$20.81 | \$21.06 | \$21.55 | \$21.61 |
| Average hourly earnings, including lump-sum payments | 21.28 | 21.21 | 21.59 | 21.64 | 20.81 | 21.06 | 21.78 | 21.84 |

$\mathrm{P}=$ preliminary.

B-16. Average hourly earnings, excluding overtime ${ }^{1}$, of production workers on manufacturing payrolls

| Industry | Nov. $1997$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | Nov. 19980 | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Manufacturing ...................................................................... | \$12.60 | \$12.68 | \$12.82 | \$12.87 | \$12.94 |
| Durable goods .................................................................... | 13.12 | 13.19 | 13.28 | 13.32 | 13.38 |
| Lumber and wood products ................................................... | 10.34 | 10.37 | 10.64 | 10.67 | (2) |
| Furniture and fixtures. | 10.21 | 10.26 | 10.51 | 10.52 | (2) |
| Stone, clay, and glass products | 12.52 | 12.56 | 12.69 | 12.74 | (2) |
| Primary metal industries ................................................ | 14.27 | 14.29 | 14.31 | 14.30 | (2) |
| Fabricated metal products ............................................... | 12.16 | 12.23 | 12.46 | 12.51 | (2) |
| Industrial machinery and equipment .................................. | 13.40 | 13.44 | 13.77 | 13.84 | (2) |
| Electronic and other electrical equipment ................................. | 12.32 | 12.41 | 12.55 | 12.58 | (2) |
| Transportation equipment .................................................... | 16.68 | 16.74 | 16.48 | 16.46 | (2) |
| instruments and related products | 13.02 | 13.02 | 13.32 | 13.34 | (2) |
| Miscellaneous manufacturing ............................................... | 10.25 | 10.35 | 10.57 | 10.59 | (2) |
| Nondurable goods ............................................................... | 11.81 | 11.90 | 12.15 | 12.21 | \$12.29 |
| Food and kindred products .................................................... | 10.89 | 11.03 | 11.08 | 11.20 | (2) |
| Tobacco products ............................................................... | 17.28 | 17.79 | 16.52 | 16.84 | (2) |
| Textile mill products ................. | 9.61 | 9.67 | 9.90 | 9.95 | (2) |
| Apparel and other textile products | 8.08 | 8.14 | 8.41 | 8.39 | (2) |
| Paper and allied products ......... | 14.23 | 14.29 | 14.62 | 14.66 | (2) |
| Printing and publishing ........................................................ | 12.63 | 12.69 | 13.01 | 12.96 | (2) |
| Chemicals and allied products ........ | 15.85 | 15.92 | 16.25 | 16.30 | (2) |
| Petroleum and coal products ... | 19.07 | 19.34 | 19.41 | 19.50 | (2) |
| Rubber and misc. plastics products | 11.01 | 11.11 | 11.29 | 11.36 | (2) |
| Leather and leather products .............................. | 8.87 | 8.94 | 9.15 | 9.15 | (2) |

${ }^{1}$ Derived by assuming that overtime hours are paid at the rate of time and one-half.

2 Not available
$\mathrm{P}=$ preliminary.

NOTE: Establishment survey estimates are currenily projected from March 1997 benchmark levels. When more recent benctimark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

## ESTABLISHMENT DATA

## EARNINGS

NOT SEASONALLY ADJUSTED
B-17. Average hourly and weekly earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by major industry, in current and constant (1982) dollars

| Industry | Average hourly earnings |  |  |  |  | Average weekly earnings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Oct. } \\ & 1998 \end{aligned}$ | $\begin{aligned} & \text { Nov. } \\ & \text { 1998p } \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ \text { 1998p } \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1997 \end{aligned}$ | $\begin{aligned} & \text { Dec. } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { Oct. } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { Nov. } \\ & 1998 p \end{aligned}$ | $\begin{gathered} \text { Dec. } \\ 1998 p \end{gathered}$ |
| Total private: <br> Current dollars $\qquad$ <br> Constant (1982) dollars |  |  |  |  |  |  |  |  |  |  |
|  | \$12.53 | \$12.53 | \$12.92 | \$12.99 | \$12.99 | \$436.04 | \$436.04 | \$447.03 | \$450.75 | \$450.75 |
|  | 7.66 | 7.67 | 7.80 | 7.83 | (2) | 266.53 | 267.02 | 269.78 | 271.86 | (2) |
| Mining: |  |  |  |  |  |  |  |  |  |  |
| Current dollars ........................................................... | 16.41 | 16.52 | 17.13 | 17.32 | \$17.41 | 748.30 | 746.70 | 752.01 | 760.35 | \$757.34 |
| Constant (1982) dollars ............................................... | 10.03 | 10.12 | 10.34 | 10.45 | (2) | 457.40 | 457.26 | 453.84 | 458.59 | (2) |
| Construction: <br> Current dollars $\qquad$ <br> Constant (1982) dollars $\qquad$ |  |  |  |  |  |  |  |  |  |  |
|  | 16.28 | 16.37 | 16.86 | 16.80 | \$16.83 | 615.38 | 630.25 | 674.40 | 646.80 | \$659.74 |
|  | 9.95 | 10.02 | 10.18 | 10.13 | (2) | 376.15 | 385.95 | 407.00 | 390.11 | (2) |
| Manufacturing: |  |  |  |  |  |  |  |  |  |  |
| Current dollars ........................................................... | 13.36 | 13.47 | 13.54 | 13.60 | \$13.69 | 569.14 | 579.21 | 567.33 | 572.56 | \$583.19 |
| Constant (1982) dollars ............................................... | 8.17 | 8.25 | 8.17 | 8.20 | (2) | 347.89 | 354.69 | 342.38 | 345.33 | (2) |
| Transportation and public utilities: |  |  |  |  |  |  |  |  |  |  |
| Current dollars | 15.19 | 15.17 | 15.43 | 15.53 | \$15.57 | 613.68 | 603.77 | 606.40 | 616.54 | \$607.23 |
| Constant (1982) dollars ............................................... | 9.28 | 9.29 | 9.31 | 9.37 | (2) | 375.11 | 369.73 | 365.96 | 371.86 | (2) |
| Wholesale trade: |  |  |  |  |  |  |  |  |  |  |
| Current dollars | 13.76 | 13.72 | 14.13 | 14.29 | \$14.27 | 532.51 | 526.85 | 541.18 | 553.02 | \$549.40 |
| Constant (1982) dollars ............................................... | 8.41 | 8.40 | 8.53 | 8.62 | (2) | 325.50 | 322.63 | 326.60 | 333.55 | (2) |
| Retail trade |  |  |  |  |  |  |  |  |  |  |
| Current dollars ........................................................... | 8.51 | 8.51 | 8.86 | 8.87 | \$8.89 | 245.09 | 248.49 | 256.05 | 256.34 | \$259.59 |
| Constant (1982) dollars ............................................... | 5.20 | 5.21 | 5.35 | 5.35 | (2) | 149.81 | 152.17 | 154.53 | 154.61 | (2) |
| Finance, insurance, and real estate:Current dollars ..................................................... |  |  |  |  |  |  |  |  |  |  |
|  | 13.72 | 13.64 | 14.20 | 14.41 | \$14.33 | 503.52 | 489.68 | 512.62 | 533.17 | \$517.31 |
| Constant (1982) dollars ............................................... | 8.39 | 8.35 | 8.57 | 8.69 | (2) | 307.78 | 299.87 | 309.37 | 321.57 | (2) |
| Services: |  |  |  |  |  |  |  |  |  |  |
| Current dollars ........................................................... | 12.57 | 12.61 | 13.01 | 13.14 | \$13.18 | 412.30 | 411.09 | 424.13 | 430.99 | \$430.99 |
| Constant (1982) dollars ............................................... | 7.68 | 7.72 | 7.85 | 7.93 | (2) | 252.02 | 251.74 | 255.96 | 259.95 | (2) |

1 Data relate to production workers in mining and manufacturing: construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

2 Not available.
$p=$ preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 iorward are subject to revision.

B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas

| State and area | Average weekly hours |  |  | Average hourly earnings |  |  | Average weekly earnings |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | Octaber | November $1998^{p}$ | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998P | Novermber 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November 1998P |
| Alabama | 42.6 | 42.0 | 42.3 | \$12.03 | \$12.13 | \$12.36 | \$512.48 | \$509.46 | \$522.83 |
| Birmingham | 44.8 | 41.4 | 42.0 | 12.76 | 12.76 | 12.94 | 571.65 | 528.26 | 543.48 |
| Mobile .................................................................................... | 44.4 | 45.2 | 46.1 | 14.22 | 13.64 | 13.61 | 631.37 | 616.53 | 627.42 |
| Alaska | 43.9 | 51.5 | 37.6 | 13.35 | 11.31 | 12.91 | 586.07 | 582.47 | 485.42 |
| Arizona | 41.7 | 39.4 | 39.4 | 11.80 | 12.38 | 12.37 | 492.06 | 487.77 | 487.38 |
| Arkansas | 41.6 | 41.5 | 41.9 | 10.92 | $\$ 1.15$ | 11.21 | 454.27 | 462.73 | 469.70 |
| Fayetteville-Springdale-Rogers | 41.1 | 41.3 | 43.1 | 10.59 | 10.88 | 10.75 | 435.25 | 449.34 | 463.33 |
| Fort Smith .......................... | 42.7 | 42.8 | 43.5 | 11.07 | 11.31 | 11.32 | 472.69 | 484.07 | 492.42 |
| Little Rock-North Little Rock | 42.5 | 41.6 | 41.7 | 11.75 | 11.78 | 11.83 | 499.38 | 490.05 | 493.31 |
| Pine Bluff ......................... | 41.2 | 39.9 | 40.3 | 13.11 | 13.55 | 13.38 | 540.13 | 540.65 | 539.21 |
| Calitomia | 42.6 | 41.8 | 42.0 | 13.35 | 13.68 | 13.74 | 568.71 | 571.82 | 577.08 |
| Bakersfield | 40.1 | 41.4 | 41.4 | 13.85 | 14.08 | 13.98 | 555.39 | 582.91 | 578.77 |
| Fresno | 40.8 | 41.0 | 40.8 | 11.93 | 11.96 | 12.11 | 486.74 | 490.36 | 494.09 |
| Los Angeles-Long Beach | 42.9 | 42.4 | 42.6 | 12.56 | 12.77 | 12.82 | 538.82 | 541.45 | 546.13 |
| Modesto ..................... | 42.0 | 41.0 | 41.7 | 13.16 | 13.68 | 13.75 | 552.72 | 560.88 | 573.38 |
| Oakland | 41.8 | 41.8 | 41.7 | 15.58 | 15.74 | 15.76 | 651.24 | 657.93 | 657.19 |
| Orange County | 43.8 | 43.4 | 43.5 | 12.81 | 13.11 | 13.21 | 561.08 | 568.97 | 574.64 |
| Riverside-San Bernardino ..................................... | 41.7 | 42.6 | 42.0 | 11.88 | 12.16 | 12.27 | 495.40 | 518.02 | 515.34 |
| Sacramento .................... | 40.8 | 40.6 | 40.9 | 14.45 | 14.79 | 14.78 | 589.56 | 600.47 | 604.50 |
| Salinas | 36.8 | 42.2 | 40.0 | 13.88 | 14.24 | 14.25 | 510.78 | 600.93 | 570.00 |
| San Diego | 40.8 | 40.0 | 40.2 | 13.39 | 13.70 | 13.77 | 546.31 59822 | 548.00 | 553.55 |
| San Francisco | 41.2 | 41.3 | 41.3 | 14.52 | 14.74 | 1492 | 598.22 | 608.76 | ${ }^{616.20}$ |
| San Jose ... | 43.3 | 42.3 | 42.8 | 16.57 | 16.77 | 16.84 | 717.48 | 709.37 | 720.75 |
| Santa Barbara-Santa Maria-Lompoc | 41.0 | 41.2 | 41.1 | 13.86 | 14.22 | 14.21 | 568.26 | 585.86 | 584.03 |
| Santa Rosa | 39.7 | 40.3 | 39.9 | 14.85 | 15.28 | 15.40 | 589.55 | 615.78 | 614.46 |
| Stockton-Lodi | 42.5 | 42.9 | 42.4 | 13.44 | 13.56 | 13.52 | 571.20 | 581.72 | 573.25 |
| Vallejo-Fairfield-Napa | 42.8 | 43.7 | 43.2 | 15.33 | 15.71 | 15.69 | 656.12 | 686.53 | 677.81 |
| Ventura ............... | 42.9 | 42.8 | 42.8 | 12.43 | 12.50 | 12.48 | 533.25 | 535.00 | 534.14 |
| Colorado | 42.2 | 41.2 | 41.5 | 13.57 | 13.99 | 13.64 | 572.65 | 576.39 | 566.06 |
| Denver. | 41.7 | 42.6 | 43.9 | 13.21 | 13.12 | 11.72 | 550.86 | 558.91 | 514.51 |
| Connecticut | 43.1 | 43.1 | 43.4 | 14.66 | 14.84 | 14.94 | 631.85 | 639.60 | 648.40 |
| Bridgeport | 43.5 | 42.4 | 42.3 | 15.03 | 15.16 | 15.27 | 653.81 | 642.78 | 645.92 |
| Danbury ... | 44.3 | 41.9 | 44.4 | 14.80 | 14.50 | 14.57 | 655.64 | 607.55 | 646.91 |
| Hartford .... | 44.3 | 43.7 | 43.8 | 15.49 | 15.68 | 15.66 | 686.21 | 685.22 | 685.91 |
| Now Haven-Meriden | 42.7 | 42.2 | 42.8 | 14.59 | 14.87 | 14.90 | 622.99 | 627.51 | 637.72 |
| Now London-Norwich | 42.8 | 42.5 | 42.8 | 15.13 | 15.63 | 15.67 | 647.56 | 664.28 | 670.68 |
| Stamford-Norwalk .. | 40.3 | 39.7 | 38.9 | 14.07 | 13.76 | 13.53 | 567.02 | 546.27 | 526.32 |
| Waterbury ........... | 43.3 | 43.6 | 43.9 | 13.61 | 14.08 | 14.28 | 589.31 | 613.89 | 626.89 |
| Delaware | 42.4 | 42.7 | 42.5 | 15.04 | 15.50 | 15.33 | 637.70 | 661.85 | 651.53 |
| Dover. | 41.0 | 39.7 | 39.5 | 13.49 | 13.94 | 13.78 | 553.09 | 553.42 | 544.31 |
| Wilmington-Newark .................................................. | 43.9 | 44.9 | 44.3 | 17.99 | 18.52 | 18.42 | 789.76 | 831.55 | 816.01 |
| District of Columbla: Washington PMSA | 40.2 | 39.6 | 40.0 | 14.24 | 14.51 | 14.77 | 572.45 | 574.60 | 590.80 |
| Forida | 42.3 | 42.1 | 42.2 | 11.13 | 11.50 | 11.49 | 470.80 | 484.15 | 494.88 |
| Georgia | 42.5 | 41.8 | 41.5 | 11.85 | 12.18 | 12.14 | 503.63 | 509.12 | 503.81 |
| Atlanta | 42.7 | 40.8 | 41.1 | 12.82 | 12.89 | 1279 | 547.41 | 525.91 | 525.67 |
| Savannah ............................................. | 50.2 | 49.0 | 48.8 | 14.46 | 15.23 | 15.04 | 725.89 | 746.27 | 733.95 |
| Heweli .................................................................. | 38.9 | 38.2 | 39.6 | 13.40 | 12.65 | 12.75 | 521.26 | 483.23 | 504.90 |
| Honolulu ................................................................ | 40.0 | 38.7 | 40.8 | 13.15 | 12.77 | 12.78 | 526.00 | 494.20 | 521.42 |
| Idaho | 40.9 | 39.4 | 38.8 | 12.12 | 12.99 | 13.22 | 495.71 | 511.81 | 512.94 |
| Ulinols .................................................................. | 42.3 | 42.1 | 42.0 | 13.50 | 13.83 | 13.85 | 571.05 | 582.24 | 581.70 |
| Bloomington-Normal ............................................ | 40.8 | 39.5 | 39.4 | 17.40 | 17.69 | 17.68 | 709.92 | 698.76 | 696.59 |
| Champaign-Urbana .. | 41.6 | 41.0 | 40.7 | 11.12 | 11.50 | 11.60 | 462.59 | 471.50 | 472.12 |
| Chicago | 42.1 | 41.8 | 41.9 | 13.40 | 13.59 | 13.60 | 564.14 | 568.06 | 569.84 |
| Davenport-Moline-Rock Island | 43.0 | 43.2 | 43.1 | 15.52 | 15.61 | 15.65 | 667.36 | 674.35 | 674.52 |
| Decatur | 42.7 | 41.4 | 41.5 | 16.69 | 16.81 | 16.79 | 712.66 | 695.93 | 696.79 |
| Kankake | 41.3 | 42.0 | 42.6 | 14.94 | 14.71 | 14.91 | 617.02 | 617.82 | 635.17 |
| Peoria-Pekin | 42.4 | 41.9 | 41.5 | 16.50 | 16.50 | 16.39 | 699.60 | 691.35 | 680.19 |
| Rockiord | 42.8 | 43.7 | 43.7 | 15.16 | 16.23 | 15.77 | 648.85 | 709.25 | 689.15 |
| Springfield ........... | 41.5 | 40.4 | 40.2 | 12.12 | 12.74 | 12.79 | 502.98 | 514.70 | 514.16 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED
B-18. Average hours and earnings of production workers on manufacturing payrolis in States and selected areas - Continued

| State and area | Average weekly hours |  |  | Average hourly earnings |  |  | Average weekly earnings |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | Novernber $199{ }^{1}$ | November 1997 | $\begin{aligned} & \text { October } \\ & 1998 \end{aligned}$ | November $1998^{p}$ | November 1997 | October $1998$ | November $1999^{\circ}$ |
| Indiana | 44.0 | 42.4 | 42.4 | \$15.03 | \$14.71 | \$14.86 | \$661.32 | $\$ 623.70$ | \$630.06 |
| Bloomington ... | 41.1 | 39.7 | 41.1 | 11.72 | 12.00 | 12.07 | 481.69 | 476.40 | 496.08 |
| Elkhart-Goshen | 39.8 | 39.4 | 39.7 | 12.21 | 12.64 | 12.66 | 485.96 | 498.02 | 502.60 |
| Evansville-Henderson | 43.7 | 43.6 | 43.6 | 15.18 | 13.93 | 14.17 | 663.37 | 607.35 | 617.81 |
| Fort Wayne .............. | 41.9 | 41.5 | 41.7 | 14.78 | 14.44 | 14.56 | 619.28 | 599.26 | 607.15 |
| Gary .... | 42.9 | 41.0 | 41.3 | 18.74 | 18.49 | 18.43 | 803.95 | 758.09 | 761.16 |
| Indianapolis | 44.1 | 43.3 | 43.3 | 15.68 | 15.11 | 15.17 | 691.49 | 654.26 | 656.86 |
| Kokomo | 50.7 | 51.9 | 51.5 | 21.16 | 20.69 | 20.79 | 1,072.81 | 1,073.81 | 1,070.69 |
| Latayette | 43.5 | 43.1 | 43.1 | 15.88 | 15.75 | 15.70 | 690.78 | 678.83 | 676.67 |
| Muncie | 46.4 | 45.0 | 44.9 | 14.89 | 14.47 | 14.38 | 690.90 | 651.15 | 645.66 |
| South Bend | 42.3 | 41.5 | 41.4 | 12.38 | 12.64 | 12.58 | 523.67 | 524.56 | 520.81 |
| Terre Haute | 44.8 | 46.8 | 46.7 | 14.86 | 14.26 | 14.20 | 665.73 | 667.37 | 663.14 |
| Iowa | 43.8 | 41.6 | 42.1 | 13.74 | 13.79 | 13.95 | 601.81 | 573.66 | 587.30 |
| Codar Rapids | 44.3 | 40.2 | 41.9 | 16.95 | 17.21 | 17.72 | 750.89 | 691.84 | 742.47 |
| Des Moines | 45.1 | 41.8 | 43.5 | 13.54 | 14.14 | 13.86 | 610.65 | 591.05 | 602.91 |
| Dubuque | 42.5 | 40.1 | 40.5 | 15.33 | 15.52 | 15.37 | 651.53 | 62235 | 622.49 |
| Sioux City | 39.5 | 39.6 | 40.1 | 11.46 | 11.92 | 12.19 | 452.67 | 47203 | 488.82 |
| Kansas | 43.2 | 41.9 | 41.6 | 13.70 | 14.02 | 14.12 | 591.84 | 587.44 | 587.39 |
| Topeka | 41.9 | 43.3 | 43.3 | 15.36 | 17.07 | 16.81 | 643.58 | 739.13 | 727.87 |
| Wichita | 44.6 | 43.2 | 43.0 | 16.12 | 16.06 | 16.23 | 718.95 | 693.79 | 697.89 |
| Kentucky | 42.1 | 41.2 | 41.4 | 13.39 | 13.75 | 13.72 | 563.72 | 566.50 | 568.01 |
| Lexington | 43.4 | 41.8 | 41.9 | 14.10 | 13.96 | 13.96 | 611.94 | 583.53 | 584.92 |
| Louisville | 42.0 | 42.0 | 42.2 | 15.00 | 15.17 | 15.03 | 630.00 | 637.14 | 634.27 |
| Louriena | 44.4 | 45.0 | 44.4 | 14.39 | 14.62 | 14.57 | 638.92 | 657.90 | 646.91 |
| Baton Rouge | 43.8 | 43.5 | 43.5 | 16.46 | 17.05 | 17.08 | 720.95 | 741.68 | 742.98 |
| Now Orioans | 43.8 | 44.0 | 43.9 | 14.43 | 14.39 | 14.46 | 632.03 | 633.16 | 634.79 |
| Shreveport-Bossier City | 42.7 | 41.9 | 41.6 | 13.83 | 13.76 | 14.83 | 590.54 | 576.54 | 616.93 |
| Malne | 40.6 | 40.4 | 41.1 | 13.20 | 13.66 | 13.20 | 535.92 | 551.86 | 542.52 |
| Lewiston-Auburn | 42.8 | 40.9 | 42.6 | 11.62 | 12.25 | 11.88 | 497.34 | 501.03 | 506.09 |
| Poriland | 37.9 | 42.7 | 44.4 | 11.27 | 11.67 | 11.23 | 427.13 | 498.31 | 498.61 |
| Maryland | 42.6 | 41.8 | 41.6 | 14.17 | 14.38 | 14.32 | 603.64 | 601.08 | 595.71 |
| Baltimore PMSA | 42.9 | 41.5 | 41.6 | 14.64 | 15.17 | 15.18 | 628.06 | 629.56 | 631.49 |
| Massachusetts | 42.3 | 41.7 | 42.5 | 13.60 | 13.82 | 13.84 | 575.28 | 576.29 | 588.20 |
| Boston | 41.6 | 41.1 | 41.6 | 14.73 | 15.07 | 15.06 | 612.77 | 619.38 | 526.50 |
| Springfield | 43.1 | 41.7 | 43.1 | 13.25 | 13.61 | 13.68 | 571.08 | 567.54 | 589.61 |
| Worcester | 43.0 | 41.7 | 42.8 | 13.75 | 14.10 | 14.09 | 591.25 | 587.97 | 603.05 |
| Michigan | 44.2 | 43.4 | 43.7 | 17.56 | 18.14 | 18.71 | 776.15 | 787.28 | 817.63 |
| Ann Abbor | 46.0 | 44.5 | 45.7 | 18.64 | 19.54 | 19.47 | 857.44 | 869.53 | 889.78 |
| Detroit | 45.5 | 44.5 | 44.5 | 19.09 | 20.25 | 20.21 | 868.59 | 901.13 | 899.35 |
| Flint. | 45.4 | 44.3 | 46.0 | 24.03 | 25.93 | 25.87 | 1,090.96 | 1,148.70 | 1,190.02 |
| Grand Rapids-Muskegon-Holland | 42.7 | 42.1 | 41.7 | 14.47 | 14.91 | 14.91 | 617.87 | 627.71 | 621.75 |
| Jackson | 42.7 | 40.3 | 40.9 | 13.08 | 12.59 | 12.78 | 558.52 | 507.38 | 522.70 |
| Kalamazoo-Battle Creek | 46.0 | 44.0 | 43.2 | 15.53 | 15.88 | 15.70 | 714.38 | 698.72 | 678.24 |
| Lansing East Lansing .. | 42.3 | 43.0 | 43.5 | 19.20 | 19.59 | 19.56 | 812.16 | 842.37 | 850.86 |
| Saginaw-Bay City-Midiand | 46.0 | 46.2 | 48.0 | 21.28 | 21.62 | 22.14 | 978.88 | 998.84 | 1,062.72 |
| Minnesota | 42.0 | 41.9 | 41.7 | 13.82 | 13.87 | 13.81 | 580.44 | 581.15 | 575.88 |
| Duluth-Superior | 41.9 | 40.5 | 40.7 | 12.52 | 12.53 | 12.73 | 524.59 | 507.47 | 518.11 |
| Minneapolis-St. Paul | 41.9 | 42.5 | 42.3 | 14.67 | 15.46 | 15.42 | 614.67 | 657.05 | 652.27 |
| St. Cloud ........................................................ | 43.5 | 44.6 | 44.4 | 12.93 | 13.35 | 13.44 | 562.46 | 595.41 | 596.74 |
| Miasiasippi | 42.1 | 41.9 | 41.7 | 10.49 | 10.75 | 10.82 | 441.63 | 450.43 | 451.19 |
| Jackson .... | 42.3 | 41.2 | 41.3 | 12.18 | 12.00 | 12.19 | 515.21 | 494.40 | 503.45 |
| Misaouri | 42.1 | 41.6 | 41.4 | 13.19 | 13.34 | 13.46 | 555.30 | 554.94 | 557.24 |
| Kansas City | 44.8 | 43.3 | 43.8 | 14.39 | 14.46 | 14.38 | 644.67 | 626.12 | 629.84 |
| St. Louis ... | 43.8 | 42.1 | 42.0 | 15.56 | 15.84 | 15.90 | 681.53 | 666.86 | 667.80 |
| Springfield ............................................. | 40.2 | 41.3 | 41.1 | 10.98 | 11.44 | 11.38 | 441.40 | 472.47 | 467.72 |
| Montana | 40.7 | 39.6 | 39.5 | 13.33 | 13.84 | 13.92 | 542.53 | 548.06 | 549.84 |
| Nebraaka | 42.4 | 42.8 | 41.7 | 12.05 | 12.27 | 13.50 | 510.92 | 525.16 | 562.95 |
| Lincoln | 46.4 | 44.9 | 43.6 | 13.72 | 14.30 | 14.13 | 636.61 | 642.07 | 616.07 |
| Omaha | 42.6 | 44.7 | 45.2 | 13.41 | 14.13 | 13.62 | 571.27 | 631.61 | 615.62 |
| Noveda | 45.1 | 41.9 | 43.5 | 13.89 | 13.99 | 14.37 | 626.44 | 586.18 | 625.10 |
| Las Vegas ............................................................ | 42.7 | 39.0 | 40.8 | 14.55 | 15.32 | 16.31 | 621.29 | 597.48 | 665.45 |

See footnotes at end of table.

B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas - Continued

| State and area | Average weekly hours |  |  | Average hourly earnings |  |  | Average weekly earnings |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | November 1997 | $\begin{aligned} & \text { Otaber } \\ & 1998 \end{aligned}$ | $\begin{gathered} \text { November } \\ \text { 1998p } \end{gathered}$ | November 1997 | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | $\begin{aligned} & \text { November } \\ & 1998 \mathrm{p} \end{aligned}$ | $\begin{aligned} & \text { Novenber } \\ & 1997 \end{aligned}$ | $\begin{gathered} \text { October } \\ 1998 \end{gathered}$ | November $1999^{\circ}$ |
| Now Hempehire | 42.3 | 41.2 | 41.6 | \$12.57 | \$12.75 | \$12.91 | \$531.71 | \$525.30 | \$537.06 |
| Manchester | 40.6 | 41.1 | 42.6 | 13.59 | 13.34 | 13.41 | 551.75 | 548.27 | 571.27 |
| Nashua | 41.4 | 41.5 | 42.3 | 15.05 | 14.73 | 15.14 | 623.07 | 611.30 | 640.42 |
| Porsmouth-Rochester | 41.7 | 38.8 | 39.5 | 11.76 | 12.29 | 1226 | 490.39 | 476.85 | 484.27 |
| Now Jersey .................................................................. | 42.6 | 42.2 | 42.3 | 14.36 | 14.60 | 14.63 | 611.74 | 616.12 | 618.85 |
| Now Mexico | 39.2 | 38.3 | 38.6 | 12.46 | 12.03 | 12.49 | 488.43 | 460.75 | 482.11 |
| Albuquerque | 39.1 | 38.0 | 38.9 | 14.73 | 13.43 | 14.09 | 575.94 | 510.34 | 548.10 |
| Now York | 41.8 | 41.2 | 41.5 | 13.44 | 13.62 | 13.70 | 561.79 | 561.14 | 568.55 |
| Albany-Schenectady-Troy | 42.8 | 43.1 | 43.1 | 14.79 | 14.50 | 14.54 | 633.01 | 624.95 | 626.67 |
| Binghamton ........ | 40.0 | 40.8 | 41.2 | 10.57 | 10.81 | 10.81 | 422.80 | 441.05 | 445.37 |
| Butfalo-Niagara Falls | 44.1 | 43.0 | 42.7 | 17.28 | 16.98 | 17.07 | 762.05 | 730.14 | 728.89 |
| Dutchess County ...... | 39.1 | 40.4 | 40.6 | 12.38 | 12.14 | 11.97 | 484.06 | 490.46 | 485.98 |
| Elmira | 42.2 | 42.3 | 41.9 | 12.45 | 12.81 | 1268 | 525.39 | 541.86 | 531.29 |
| Nassau-Sutholk | 41.1 | 40.4 | 41.1 | 12.34 | 12.61 | 12.52 | 507.17 | 509.44 | 514.57 |
| New York PMSA | 39.4 | 38.9 | 39.2 | 12.21 | 12.26 | 12.41 | 481.07 | 476.91 | 486.47 |
| New York City ... | 39.2 | 38.7 | 38.9 | 11.95 | 11.99 | 12.16 | 468.44 | 464.01 | 473.02 |
| Newburgh ........ | 40.3 | 39.5 | 40.4 | 11.31 | 11.34 | 11.14 | 455.79 | 447.93 | 450.06 |
| Rochester | 43.7 | 43.4 | 43.4 | 14.87 | 15.22 | 15.33 | 649.82 | 660.55 | 665.32 |
| Rockland County | 42.6 | 42.6 | 43.2 | 16.27 | 16.00 | 15.82 | 693.10 | 681.60 | 683.42 |
| Syracuse | 43.4 | 42.2 | 42.2 | 14.41 | 14.51 | 14.38 | 625.39 | 612.32 | 606.84 |
| Utica-Rome -......................................................... | 40.8 | 39.1 | 40.0 | 11.68 | 12.00 | 12.19 | 476.54 | 469.20 | 487.60 |
| Westchester County ............................................... | 39.9 | 40.3 | 40.2 | 12.78 | 13.04 | 13.05 | 509.92 | 525.51 | 524.61 |
| North Carolina | 41.8 | 41.1 | 41.3 | 11.55 | 11.90 | 11.95 | 482.79 | 489.09 | 493.54 |
| Asheville | 43.2 | 41.3 | 41.7 | 11.38 | 11.49 | 11.41 | 491.62 | 474.54 | 475.80 |
| Chardtte-Gastonia-Rock Hill .................................... | 41.4 | 41.2 | 41.6 | 12.46 | 12.89 | 12.95 | 515.84 | 530.66 | 538.72 |
| Greensboro-Winston-Salem-High Point | 41.4 | 40.5 | 40.5 | 11.91 | 12.19 | 12.26 | 493.07 | 493.70 | 496.53 |
| Raleigh-Durham-Chapel Hill .................. | 41.9 | 42.7 | 42.7 | 12.70 | 12.90 | 12.94 | 532.13 | 550.83 | 552.54 |
| North Dakota | 39.4 | 40.1 | 38.0 | 11.42 | 11.55 | 11.45 | 449.95 | 463.16 | 435.10 |
| Fargo-Moorhead ....................................................... | 40.2 | 39.5 | 38.7 | 11.40 | 11.15 | 11.14 | 458.28 | 440.43 | 431.12 |
| OHo | 44.3 | 43.2 | 43.4 | 15.67 | 15.98 | 16.02 | 694.18 | 690.34 | 695.27 |
| Akron | 44.0 | 42.2 | 43.3 | 12.83 | 13.19 | 13.25 | 564.52 | 556.62 | 573.73 |
| Cantor-Massilion | 43.4 | 40.9 | 40.9 | 13.84 | 14.04 | 13.95 | 600.66 | 574.24 | 570.56 |
| Cincinnati | 44.5 | 43.6 | 44.0 | 14.91 | 15.44 | 15.47 | 663.50 | 673.18 | 680.68 |
| Cleveland-Lorain-Elyria | 44.7 | 43.0 | 43.2 | 15.24 | 15.55 | 15.57 | 681.23 | 668.65 | 672.62 |
| Columbus ............. | 43.1 | 42.1 | 42.4 | 14.62 | 15.20 | 15.00 | 630.12 | 639.92 | 636.00 |
| Dayton-Springfield ................................................. | 45.0 | 43.5 | 44.0 | 16.87 | 17.35 | 17.54 | 759.15 | 754.73 | 771.76 |
| Hamiton-Middletown | 46.7 | 45.4 | 46.2 | 17.13 | 17.37 | 17.54 | 799.97 | 788.60 | 810.35 |
| Lima | 44.7 | 43.3 | 43.2 | 16.35 | 16.43 | 16.56 | 730.85 | 711.42 | 715.39 |
| Mansfield | 44.5 | 43.1 | 43.1 | 16.52 | 17.15 | 16.94 | 735.14 | 739.17 | 730.11 |
| Steubenville-Weirton | 41.9 | 40.5 | 40.2 | 16.61 | 18.09 | 17.82 | 695.96 | 73265 | 716.36 |
| Toledo .................... | 44.5 | 43.5 | 43.2 | 16.91 | 17.40 | 17.40 | 752.50 | 756.90 | 751.68 |
| Youngstown-Warren | 43.8 | 41.4 | 43.0 | 17.83 | 17.84 | 18.12 | 780.95 | 738.58 | 779.16 |
| Oxdehoma | 43.4 | 41.4 | 41.3 | 12.61 | 12.57 | 12.76 | 547.27 | 520.40 | 526.99 |
| Oklahoma City | 44.9 | 43.0 | 41.8 | 14.03 | 13.69 | 14.14 | 629.95 | 588.67 | 591.05 |
| Tulsa . | 44.0 | 41.5 | 42.3 | 13.02 | 13.38 | 13.33 | 572.88 | 555.27 | 563.86 |
| Oregon | 41.2 | 40.8 | 41.6 | 13.64 | 14.20 | 14.47 | 561.97 | 579.36 | 601.95 |
| Eugene-Springtield | 40.0 | 41.4 | 41.4 | 12.84 | 13.37 | 13.59 | 513.60 | 553.52 | 562.63 |
| Medtord-Ashland. | 40.6 | 39.3 | 40.2 | 12.54 | 13.08 | 13.12 | 509.12 | 514.04 | 527.42 |
| Portland-Vancouver | 41.9 | 41.2 | 41.9 | 13.84 | 14.55 | 14.74 | 579.90 | 599.46 | 617.61 |
| Salern | 40.0 | 40.6 | 41.1 | 11.68 | 12.07 | 12.42 | 467.20 | 490.04 | 510.46 |
| Penneylvania | 42.7 | 41.9 | 42.3 | 13.93 | 14.08 | 14.14 | 594.81 | 589.95 | 598.12 |
| Allentown-Bethlem-Easton | 43.3 | 42.4 | 43.0 | 14.25 | 14.64 | 14.81 | 617.03 | 620.74 | 636.83 |
| Altoona | 41.0 | 40.9 | 40.3 | 11.85 | 12.26 | 12.46 | 485.85 | 501.43 | 502.14 |
| Erie | 44.9 | 44.0 | 43.9 | 14.10 | 13.98 | 14.05 | 633.09 | 615.12 | 616.90 |
| Harrisburg-Lebanon-Carlisle | 40.5 | 39.8 | 40.0 | 13.27 | 14.01 | 14.07 | 537.44 | 557.60 | 562.80 |
| Johnstown | 39.0 | 39.4 | 39.9 | 10.46 | 10.54 | 10.60 | 407.94 | 415.28 | 422.94 |
| Lancaster | 41.7 | 40.6 | 41.0 | 13.03 | 12.99 | 13.01 | 543.35 | 527.39 | 533.41 |
| Philadelphia PMSA | 42.1 | 41.3 | 41.8 | 15.10 | 15.48 | 15.52 | 635.71 | 639.32 | 648.74 |
| Pittsburgh | 43.5 | 42.5 | 43.0 | 14.86 | 15.00 | 15.02 | 646.41 | 637.50 | 645.86 |
| Reading | 42.4 | 42.1 | 42.5 | 15.30 | 15.11 | 15.14 | 648.72 | 636.13 | 643.45 |
| Scranton-Wilkes-Barre-Hazieton | 41.8 | 40.8 | 41.2 | 12.64 | 12.85 | 12.84 | 528.35 | 524.28 | 529.01 |
| Sharon ............................................................... | 43.8 | 43.7 | 44.3 | 15.01 | 15.27 | 15.38 | 657.44 | 667.30 | 681.33 |
| State Colloge ....................................................... | 44.1 | 41.3 | 42.9 | 12.35 | 12.09 | 12.48 | 544.64 | 499.32 | 535.39 |
| Williamsport | 42.3 | 40.6 | 41.3 | 10.94 | 11.52 | 11.57 | 462.76 | 467.71 | 477.84 |
| York | 43.1 | 42.9 | 44.5 | 14.21 | 14.70 | 14.98 | 612.45 | 630.63 | 666.61 |

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED
B-18. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas - Continued

$P=$ preliminary.
State and area data have been adjusted to March 1997 benchmarks
NOTE: Area definitions are published annually in the May issue of this publication. All

C-1. Labor force status by census region and division, seasonally adjusted ${ }^{1}$
(Numbers in thousands)

| Census region and division | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p |
| NORTHEAST |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 26,114.2 | 26,078.5 | 26,077.0 | 26,097.5 | 26,105.9 | 26,045.2 | 26,062.1 | 26,044.0 | 26,044.0 | 26,028.2 | 26,057.1 | 26,056.5 | 26,085.0 |
| Employed | 24,769.1 | 24,758.5 | 24,799.0 | 24,806.3 | 24,797.5 | 24,826.0 | 24,832.4 | 24,848.1 | 24,851.0 | 24,860.5 | 24,853.6 | 24,854.1 | 24,898.2 |
| Unemployed | 1,345.1 | 1,320.0 | 1,278.0 | 1,291.1 | 1,308.4 | 1,219.2 | 1,229.7 | 1,196.0 | 1,192.9 | 1,167.7 | 1,203.5 | 1,202.4 | 1,186.8 |
| Unemployment rate .... | 5.2 | 5.1 | 4.9 | 4.9 | 5.0 | 4.7 | 4.7 | 4.6 | 4.6 | 4.5 | 4.6 | 4.6 | 4.5 |
| New England |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ....... | 7,137.9 | 7,132.8 | 7,130.7 | 7,123.0 | 7,139.0 | 7,103.1 | 7,125.0 | 7,106.9 | 7,103.2 | 7,101.8 | 7,119.4 | 7,142.5 | 7,153.1 |
| Employed | 6,839.4 | 6,840.1 | 6,861.1 | 6,864.6 | 6,862.8 | 6,860.0 | 6,860.7 | 6,854.4 | 6,863.4 | 6,868.9 | 6,865.7 | 6,882.6 | 6,908.4 |
| Unemployed ......... | 298.5 | 292.7 | 269.7 | 258.4 | 276.2 | 243.1 | 264.3 | 252.4 | 239.8 | 232.9 | 253.7 | 259.9 | 244.7 |
| Unemployment rate ........ | 4.2 | 4.1 | 3.8 | 3.6 | 3.9 | 3.4 | 3.7 | 3.6 | 3.4 | 3.3 | 3.6 | 3.6 | 3.4 |
| Middle Atlantic |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 18,976.3 | 18,945.7 | 18,946.3 | 18,974.5 | 18,966.9 | 18,942.1 | 18,937.2 | 18,937.2 | 18,940.8 | 18,926.4 | 18,937.8 | 18,914.0 | 18,931.9 |
| Employed | 17,929.8 | 17,918.4 | 17,937.9 | 17,941.7 | 17,934.7 | 17,966.0 | 17,971.7 | 17,993.6 | 17,987.6 | 17,991.6 | 17,987.9 | 17,971.5 | 17,989.8 |
| Unemployed | 1,046.5 | 1,027.3 | 1,008.3 | 1,032.7 | 1,032.2 | 976.1 | 965.5 | 943.5 | 953.1 | 934.8 | 949.9 | 942.5 | 942.1 |
| Unemployment rate .............. | 5.5 | 5.4 | 5.3 | 5.4 | 5.4 | 5.2 | 5.1 | 5.0 | 5.0 | 4.9 | 5.0 | 5.0 | 5.0 |
| SOUTH |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 47,600.5 | 47,694.8 | 47,816.2 | 47,818.3 | 47,879.6 | 47,935.3 | 47,977.2 | 47,985.4 | 48,070.4 | 48,129.5 | 48,247.0 | 48,330.6 | 48,266.6 |
| Employed | 45,387.7 | 45,523.3 | 45,689.9 | 45,752.0 | 45,761.0 | 45,865.9 | 45,924.5 | 45,916.9 | 45,983.1 | 46,001.2 | 46,139.8 | 46,222.7 | 46,213.4 |
| Unemployed | 2,212.8 | 2,171.5 | 2,126.3 | 2,066.4 | 2,118.6 | 2,069.5 | 2,052.7 | 2,068.5 | 2,087.3 | 2,128.4 | 2,107.2 | 2,107.9 | 2,053.2 |
| Unemployment rate | 4.6 | 4.6 | 4.4 | 4.3 | 4.4 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 4.4 | 4.4 | 4.3 |
| South Atlantic |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 24,635.4 | 24,677.1 | 24,738.2 | 24,765.7 | 24,763.1 | 24,800.5 | 24,788.8 | 24,783.2 | 24,836.0 | 24,863.9 | 24,918.9 | 24,978.6 | 24,988.8 |
| Employed | 23,575.5 | 23,630.4 | 23,695.5 | 23,724.7 | 23,720.6 | 23,786.9 | 23,785.3 | 23,784.1 | 23,831.0 | 23,842.1 | 23,939.4 | 23,970.2 | 23,993.1 |
| Unemployed | 1,060.0 | 1,046.7 | 1,042.6 | 1,041.0 | 1,042.5 | 1,013.6 | 1,003.4 | 999.0 | 1,005.1 | 1,021.8 | 979.5 | 1,008.4 | 995.7 |
| Unemployment rate .............. | 4.3 | 4.2 | 4.2 | 4.2 | 4.2 | 4.1 | 4.0 | 4.0 | 4.0 | 4.1 | 3.9 | 4.0 | 4.0 |
| East South Central |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 8,135.3 | 8,145.8 | 8,144.8 | 8,136.3 | 8,167.0 | 8,148.8 | 8,146.5 | 8,127.4 | 8,135.7 | 8,150.9 | 8,162.3 | 8,178.4 | 8,162.9 |
| Employed............ | 7,725.7 | 7,748.2 | 7,775.6 | 7,785.3 | 7,784.1 | 7,791.0 | 7,791.4 | 7,794.2 | 7,806.2 | 7,805.5 | 7,809.0 | 7,823.9 | 7,818.3 |
| Unemployed | 409.7 | 397.5 | 369.1 | 351.0 | 382.8 | 357.7 | 355.0 | 333.2 | 329.6 | 345.4 | 353.3 | 354.6 | 344.6 |
| Unemployment rate ........... | 5.0 | 4.9 | 4.5 | 4.3 | 4.7 | 4.4 | 4.4 | 4.1 | 4.1 | 4.2 | 4.3 | 4.3 | 4.2 |
| West South Central |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 14,829.8 | 14,871.9 | 14,933.3 | 14,916.3 | 14,949.5 | 14,986.1 | 15,041.9 | 15,074.9 | 15,098.6 | 15,114.7 | 15,165.8 | 15,173.5 | 15,114.9 |
| Employed | 14,086.6 | 14,144.7 | 14,218.8 | 14,241.9 | 14,256.2 | 14,288.0 | 14,347.7 | 14,338.6 | 14,345.9 | 14,353.5 | 14,391.4 | 14,428.6 | 14,402.0 |
| Unemployed | 743.2 | 727.2 | 714.5 | 674.4 | 693.3 | 698.1 | 694.2 | 736.3 | 752.7 | 761.2 | 774.4 | 744.9 | 712.9 |
| Unemployment rate ............. | 5.0 | 4.9 | 4.8 | 4.5 | 4.6 | 4.7 | 4.6 | 4.9 | 5.0 | 5.0 | 5.1 | 4.9 | 4.7 |

[^15]C-1. Labor force status by census region and division, seasonally adjusted ${ }^{1}$ - Continued
(Numbers in thousands)

| Census region and division | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
| MIDWEST |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force . | 33,170.2 | 33,246.3 | 33,363.0 | 33,376.7 | 33,383.1 | 33,299.7 | 33,302.6 | 33,302.1 | 33,332.3 | 33,300.0 | 33,372.4 | 33,419.8 | 33,427.0 |
| Employed | 31,877.5 | 31,959.7 | 32,117.0 | 32,147.6 | 32,126.5 | 32,167.9 | 32,129.1 | 32,090.8 | 32,077.3 | 32,122.4 | 32,163.9 | 32,222.4 | 32,225.7 |
| Unemployed | 1,292.6 | 1,286.6 | 1,246.0 | 1,229.1 | 1,256.6 | 1,131.8 | 1,173.4 | 1,211.3 | 1,255.0 | 1,177.6 | 1,208.5 | 1,197.4 | 1,201.4 |
| Unemployment rate | 3.9 | 3.9 | 3.7 | 3.7 | 3.8 | 3.4 | 3.5 | 3.6 | 3.8 | 3.5 | 3.6 | 3.6 | 3.6 |
| East North Central |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force.. | 22,987.8 | 23,027.2 | 23,113.2 | 23,114.8 | 23,134.0 | 23,025.2 | 23,014.4 | 23,031.4 | 23,060.8 | 23,028.3 | 23,082.2 | 23,144.1 | 23,146.1 |
| Employed ........................... | 22,024.9 | 22,068.0 | 22,182.4 | 22,197.5 | 22,209.7 | 22,214.2 | 22,170.8 | 22,135.9 | 22,120.1 | 22,156.4 | 22,177.7 | 22,250.6 | 22,252.0 |
| Unemployed ........................ | 962.9 | 959.3 | 930.8 | 917.3 | 924.3 | 811.1 | 843.6 | 895.4 | 940.7 | 872.0 | 904.5 | 893.5 | 894.2 |
| Unemployment rate | 4.2 | 4.2 | 4.0 | 4.0 | 4.0 | 3.5 | 3.7 | 3.9 | 4.1 | 3.8 | 3.9 | 3.9 | 3.9 |
| West North Central |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force.. | 10,182.3 | 10,219.1 | 10,249.8 | 10,262.0 | 10,249.1 | 10,274.4 | 10,288.1 | 10,270.8 | 10,271.5 | 10,271.7 | 10,290.2 | 10,275.7 | 10,280.9 |
| Employed ... | 9,852.6 | 9,891.7 | 9,934.6 | 9,950.1 | 9,916.8 | 9,953.7 | 9,958.4 | 9,954.9 | 9,957.1 | 9,966.0 | 9,986.2 | 9,971.7 | 9,973.7 |
| Unemployed | 329.7 | 327.4 | 315.2 | 311.8 | 332.3 | 320.7 | 329.8 | 315.9 | 314.4 | 305.6 | 304.0 | 303.9 | 307.2 |
| Unemployment rate | 3.2 | 3.2 | 3.1 | 3.0 | 3.2 | 3.1 | 3.2 | 3.1 | 3.1 | 3.0 | 3.0 | 3.0 | 3.0 |
| WEST |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 30,323.8 | 30,425.5 | 30,478.9 | 30,513.8 | 30,617.8 | 30,604.4 | 30,693.6 | 30,674.8 | 30,772.6 | 30,786.6 | 30,935.6 | 30,953.1 | 30,945.6 |
| Employed ............................ | 28,713.7 | 28,819.0 | 28,893.5 | 28,944.5 | 29,004.2 | 29,000.4 | 29,091.3 | 29,072.9 | 29,192.7 | 29,172.0 | 29,261.3 | 29,315.2 | 29,353.1 |
| Unemployed ........................ | 1,610.2 | 1,606.5 | 1,585.4 | 1,569.3 | 1,613.7 | 1,604.0 | 1,602.3 | 1,601.9 | 1,579.9 | 1,614.7 | 1,674.3 | 1,637.9 | 1,592.6 |
| Unemployment rate .............. | 5.3 | 5.3 | 5.2 | 5.1 | 5.3 | 5.2 | 5.2 | 5.2 | 5.1 | 5.2 | 5.4 | 5.3 | 5.1 |
| Mountain |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force . | 8,550.2 | 8,599.7 | 8,633.8 | 8,672.2 | 8,685.1 | 8,711.3 | 8,714.1 | 8,717.9 | 8,747.2 | 8,770.9 | 8,809.9 | 8,830.8 | 8,834.5 |
| Employed ............................ | 8,201.2 | 8,250.1 | 8,298.2 | 8,323.7 | 8,317.0 | 8,336.5 | 8,351.7 | 8,350.0 | 8,386.7 | 8,404.8 | 8,437.5 | 8,468.9 | 8,474.3 |
| Unemployed ....................... | 349.0 | 349.7 | 335.6 | 348.5 | 368.1 | 374.8 | 362.3 | 367.9 | 360.5 | 366.2 | 372.5 | 361.9 | 360.2 |
| Unemployment rate .............. | 4.1 | 4.1 | 3.9 | 4.0 | 4.2 | 4.3 | 4.2 | 4.2 | 4.1 | 4.2 | 4.2 | 4.1 | 4.1 |
| Pacific |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ................. | 21,773.6 | 21,825.8 | 21,845.1 | 21,841.6 | 21,932.8 | 21,893.1 | 21,979.6 | 21,956.9 | 22,025.4 | 22,015.7 | 22,125.7 | 22,122.3 | 22,111.2 |
| Employed | 20,512.5 | 20,569.0 | 20,595.3 | 20,620.8 | 20,687.2 | 20,663.9 | 20,739.6 | 20,722.9 | 20,806.0 | 20,767.2 | 20,823.8 | 20,846.3 | 20,878.8 |
| Unemployed ........................ | 1,261.1 | 1,256.8 | 1,249.8 | 1,220.8 | 1,245.6 | 1,229.2 | 1,240.0 | 1,234.0 | 1,219.4 | 1,248.5 | 1,301.9 | 1,276.0 | 1,232.4 |
| Unemployment rate .............. | 5.8 | 5.8 | 5.7 | 5.6 | 5.7 | 5.6 | 5.6 | 5.6 | 5.5 | 5.7 | 5.9 | 5.8 | 5.6 |

## $\mathrm{p}=$ preliminary.

1 These estimates are obtained from summing offical State estimates produced and published through the Local Area Unemployment Statistics (LAUS) program.
NOTE: The States (including the District of Columbia) that compose the various census divisions are: New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; Middle Atlantic: New Jersey, New York, and Pennsylvania; South Atlantic: Delaware, District of Columbia, Florida, Georgia,

Maryland, North Carolina, South Carolina, Virginia, and West Virginia; East South Central: Alabama, Kentucky, Mississippi, and Tennessee; West South Central Arkansas, Louisiana, Oklahoma, and Texas; East North Central: Illinois, Indiana, Michigan, Ohio, and Wisconsin; West North Central: Iowa, Kansas, Minnesota, Missouri, Nebraska, North Dakota, and South Dakota; Mountain: Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah, and Wyoming; and Pacific: Alaska, California, Hawaii, Oregon, and Washington.

## C-2. Labor force status by State, seasonally adjusted

(Numbers in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.P |
| Alabama |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 2,164.6 | 2,154.1 | 2,146.3 | 2,141.6 | 2,149.9 | 2,137.4 | 2,144.7 | 2,142.5 | 2,146.1 | 2,145.6 | 2,152.1 | 2,158.6 | 2,153.2 |
| Employed | 2,061.9 | 2,055.0 | 2,057.3 | 2,059.8 | 2,060.0 | 2,058.8 | 2,057.9 | 2,060.7 | 2,067.8 | 2,065.5 | 2,061.6 | 2,064.4 | 2,062.1 |
| Unemployed ................... | 102.7 | 99.1 | 89.1 | 81.8 | 89.9 | 78.7 | 86.7 | 81.8 | 78.3 | 80.1 | 90.5 | 94.2 | 91.0 |
| Unemployment rate .......... | 4.7 | 4.6 | 4.1 | 3.8 | 4.2 | 3.7 | 4.0 | 3.8 | 3.7 | 3.7 | 4.2 | 4.4 | 4.2 |
| Alaska |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 317.4 | 318.5 | 317.6 | 318.0 | 317.4 | 316.3 | 318.5 | 319.6 | 317.8 | 318.9 | 318.9 | 321.0 | 317.7 |
| Employed ....................... | 294.4 | 295.9 | 297.8 | 297.9 | 298.5 | 298.3 | 299.6 | 299.3 | 298.0 | 300.1 | 300.1 | 301.5 | 301.1 |
| Unemployed ................... | 23.1 | 22.6 | 19.8 | 20.1 | 19.0 | 18.1 | 18.9 | 20.3 | 19.8 | 18.9 | 18.8 | 19.5 | 16.6 |
| Unernployment rate ......... | 7.3 | 7.1 | 6.2 | 6.3 | 6.0 | 5.7 | 5.9 | 6.4 | 6.2 | 5.9 | 5.9 | 6.1 | 5.2 |
| Arizona |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 2,211.5 | 2,237.7 | 2,243.0 | 2,252.4 | 2,263.3 | 2,269.5 | 2,262.2 | 2,254.4 | 2,268.3 | 2,284.6 | 2,297.7 | 2,282.4 | 2,293.0 |
| Employed ........... | 2,116.8 | 2,144.7 | 2,159.2 | 2,163.0 | 2,164.4 | 2,169.8 | 2,169.8 | 2,164.1 | 2,181.9 | 2,189.9 | 2,201.7 | 2,201.4 | 2,202.0 |
| Unemployed ................... | 94.7 | 93.0 | 83.8 | 89.3 | 99.0 | 99.6 | 92.5 | 90.3 | 86.4 | 94.8 | 96.1 | 80.9 | 91.0 |
| Unemployment rate .......... | 4.3 | 4.2 | 3.7 | 4.0 | 4.4 | 4.4 | 4.1 | 4.0 | 3.8 | 4.1 | 4.2 | 3.5 | 4.0 |
| Arkansas |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,229.7 | 1,240.6 | 1,245.8 | 1,243.9 | 1,248.9 | 1,249.5 | 1,247.1 | 1,243.1 | 1,241.1 | 1,240.7 | 1,241.8 | 1,248.4 | 1,247.5 |
| Employed....................... | 1,167.9 | 1,178.5 | 1,180.2 | 1,178.5 | 1,178.8 | 1,184.4 | 1,182.3 | 1,182.9 | 1,183.1 | 1,184.3 | 1,179.7 | 1,180.6 | 1,181.7 |
| Unemployed ................... | 61.7 | 62.1 | 65.6 | 65.4 | 70.1 | 65.1 | 64.8 | 60.2 | 58.0 | 56.3 | 62.2 | 67.8 | 65.7 |
| Unemployment rate .......... | 5.0 | 5.0 | 5.3 | 5.3 | 5.6 | 5.2 | 5.2 | 4.8 | 4.7 | 4.5 | 5.0 | 5.4 | 5.3 |
| California |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 16,086.1 | 16,122.8 | 16,114.0 | 16.147.0 | 16,218.2 | 16,215.1 | 16,247.1 | 16,262.2 | 16,321.6 | 16,310.3 | 16,351.0 | 16,310.5 | 16,311.5 |
| Employed | 15,112.5 | 15,151.8 | 15,145.7 | 15,189.0 | 15,238.2 | 15,251.1 | 15,286.6 | 15,319.7 | 15,395.2 | 15,358.1 | 15,363.9 | 15,341.6 | 15,378.5 |
| Unemployed ................... | 973.6 | 971.0 | 968.3 | 958.0 | 980.0 | 964.0 | 960.4 | 942.5 | 926.4 | 952.2 | 987.1 | 968.9 | 933.1 |
| Unemployment rate .......... | 6.1 | 6.0 | 6.0 | 5.9 | 6.0 | 5.9 | 5.9 | 5.8 | 5.7 | 5.8 | 6.0 | 5.9 | 5.7 |
| Colorado |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 2,196.4 | 2,199.7 | 2,216.2 | 2,232.9 | 2,231.4 | 2,240.5 | 2,245.3 | 2,246.9 | 2,250.8 | 2,252.6 | 2,263.4 | 2,279.3 | 2,267.4 |
| Ernployed ....................... | 2,129.0 | 2,132.8 | 2,153.1 | 2,165.7 | 2,161.5 | 2,165.1 | 2,173.9 | 2,170.4 | 2,175.6 | 2,178.0 | 2,182.8 | 2,194.9 | 2,190.0 |
| Unemployed ................... | 67.4 | 66.9 | 63.1 | 67.2 | 69.9 | 75.3 | 71.4 | 76.5 | 75.1 | 74.6 | 80.6 | 84.4 | 77.4 |
| Unemployment rate .......... | 3.1 | 3.0 | 2.8 | 3.0 | 3.1 | 3.4 | 3.2 | 3.4 | 3.3 | 3.3 | 3.6 | 3.7 | 3.4 |
| Connecticut |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,726.6 | 1,728.2 | 1,720.0 | 1,716.8 | 1,722.4 | 1,714.9 | 1,721.1 | 1,718.0 | 1,709.3 | 1,715.8 | 1,722.3 | 1,720.7 | 1,725.6 |
| Employed ....................... | 1,646.6 | 1,650.7 | 1,654.7 | 1,651.8 | 1,653.0 | 1,647.7 | 1,655.8 | 1,652.7 | 1,650.3 | 1,656.0 | 1,655.5 | 1,655.7 | 1,660.2 |
| Unemployed .................. | 80.0 | 77.5 | 65.3 | 65.0 | 69.4 | 67.1 | 65.3 | 65.3 | 59.0 | 59.8 | 66.9 | 65.0 | 65.4 |
| Unemployment rate .......... | 4.6 | 4.5 | 3.8 | 3.8 | 4.0 | 3.9 | 3.8 | 3.8 | 3.5 | 3.5 | 3.9 | 3.8 | 3.8 |
| Delaware |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 383.9 | 387.0 | 387.9 | 388.7 | 393.2 | 393.2 | 393.9 | 394.4 | 395.5 | 393.2 | 394.0 | 397.6 | 397.2 |
| Employed ....................... | 371.2 | 374.0 | 374.6 | 375.0 | 379.6 | 378.3 | 377.7 | 378.5 | 379.3 | 379.1 | 380.6 | 383.5 | 382.9 |
| Unemployed ................... | 12.7 | 13.0 | 13.3 | 13.6 | 13.6 | 14.9 | 16.2 | 15.9 | 16.1 | 14.1 | 13.4 | 14.1 | 14.3 |
| Unemployment rate .......... | 3.3 | 3.4 | 3.4 | 3.5 | 3.5 | 3.8 | 4.1 | 4.0 | 4.1 | 3.6 | 3.4 | 3.6 | 3.6 |
| District of Columbia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 255.6 | 255.7 | 258.5 | 260.6 | 260.6 | 268.4 | 267.1 | 265.3 | 261.5 | 264.3 | 261.0 | 260.6 | 259.2 |
| Employed ....................... | 234.8 | 234.9 | 236.7 | 237.0 | 236.3 | 244.6 | 245.3 | 243.6 | 239.8 | 241.0 | 237.9 | 237.1 | 236.8 |
| Unemployed ................... | 20.8 | 20.8 | 21.8 | 23.6 | 24.2 | 23.8 | 21.8 | 21.7 | 21.7 | 23.3 | 23.2 | 23.5 | 22.4 |
| Unemployment rate .......... | 8.1 | 8.1 | 8.4 | 9.1 | 9.3 | 8.9 | 8.2 | 8.2 | 8.3 | 8.8 | 8.9 | 9.0 | 8.6 |
| Florida |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 7,221.2 | 7,253.6 | 7,265.1 | 7,258.3 | 7,269.7 | 7,302.6 | 7,299.6 | 7,316.7 | 7,327.3 | 7,340.2 | 7,345.5 | 7,359.0 | 7,347.8 |
| Employed ....................... | 6,884.3 | 6,916.0 | 6,927.2 | 6,922.1 | 6,923.3 | 6,959.8 | 6,970.9 | 6,985.5 | 7,010.9 | 7,020.5 | 7,038.4 | 7,036.7 | 7,029.8 |
| Unemployed ................... | 337.0 | 337.7 | 337.8 | 336.1 | 346.4 | 342.9 | 328.7 | 331.1 | 316.3 | 319.6 | 307.1 | 322.3 | 318.0 |
| Unemployment rate ......... | 4.7 | 4.7 | 4.7 | 4.6 | 4.8 | 4.7 | 4.5 | 4.5 | 4.3 | 4.4 | 4.2 | 4.4 | 4.3 |

See footnotes at end of table

STATE LABOR FORCE DATA SEASONALLY ADJUSTED

C-2. Labor force status by State, seasonally adjusted - Continued
(Numbers in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p |
| Georgia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 3,928.5 | 3,918.0 | 3,928.7 | 3,950.0 | 3,931.6 | 3,960.4 | 3,951.7 | 3,963.4 | 3,967.1 | 3,972.7 | 4,003.6 | 4,001.6 | 4,021.0 |
| Employed | 3,764.4 | 3,759.1 | 3,771.7 | 3,786.3 | 3,772.5 | 3,802.7 | 3,791.2 | 3,801.1 | 3,807.0 | 3,811.0 | 3,848.2 | 3,846.1 | 3,859.9 |
| Unemployed | 164.2 | 158.9 | 157.0 | 163.6 | 159.1 | 157.7 | 160.5 | 162.2 | 160.1 | 161.7 | 155.4 | 155.4 | 161.1 |
| Unemployment rate .......... | 4.2 | 4.1 | 4.0 | 4.1 | 4.0 | 4.0 | 4.1 | 4.1 | 4.0 | 4.1 | 3.9 | 3.9 | 4.0 |
| Hawaii |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 592.5 | 593.1 | 593.4 | 592.8 | 592.9 | 592.3 | 593.4 | 592.4 | 596.2 | 596.9 | 600.8 | 599.0 | 595.8 |
| Employed ........................ | 557.1 | 557.7 | 560.4 | 558.7 | 558.6 | 561.0 | 559.0 | 556.9 | 561.4 | 563.1 | 564.2 | 564.0 | 560.7 |
| Unemployed ................... | 35.4 | 35.4 | 33.0 | 34.1 | 34.4 | 31.3 | 34.5 | 35.5 | 34.8 | 33.8 | 36.6 | 35.0 | 35.2 |
| Unemployment rate .......... | 6.0 | 6.0 | 5.6 | 5.7 | 5.8 | 5.3 | 5.8 | 6.0 | 5.8 | 5.7 | 6.1 | 5.8 | 5.9 |
| Idano |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 638.4 | 641.0 | 640.1 | 641.7 | 644.8 | 646.7 | 647.2 | 645.1 | 646.9 | 653.4 | 663.2 | 662.7 | 663.8 |
| Employed ........................ | 605.8 | 607.4 | 608.1 | 609.5 | 611.2 | 613.5 | 616.4 | 612.8 | 615.5 | 621.4 | 630.2 | 629.4 | 632.1 |
| Unemployed ................... | 32.6 | 33.6 | 32.0 | 32.2 | 33.5 | 33.2 | 30.9 | 32.3 | 31.4 | 32.0 | 33.0 | 33.3 | 31.8 |
| Unemployment rate .......... | 5.1 | 5.2 | 5.0 | 5.0 | 5.2 | 5.1 | 4.8 | 5.0 | 4.9 | 4.9 | 5.0 | 5.0 | 4.8 |
| Illinois |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 6,156.7 | 6,162.1 | 6,190.5 | 6,186.3 | 6,189.1 | 6,142.7 | 6,131.4 | 6,156.8 | 6,177.7 | 6,137.4 | 6,163.5 | 6,186.4 | 6,166.6 |
| Employed ....................... | 5,861.9 | 5,867.0 | 5,887.8 | 5,902.8 | 5,909.1 | 5,886.2 | 5,889.7 | 5,878.7 | 5,902.1 | 5,877.9 | 5,885.0 | 5,916.1 | 5,890.0 |
| Unemployed .................. | 294.8 | 295.1 | 302.7 | 283.6 | 280.0 | 255.9 | 241.8 | 278.1 | 275.7 | 259.5 | 278.6 | 270.2 | 276.6 |
| Unemployment rate ......... | 4.8 | 4.8 | 4.9 | 4.6 | 4.5 | 4.2 | 3.9 | 4.5 | 4.5 | 4.2 | 4.5 | 4.4 | 4.5 |
| Indiana |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 3,113.8 | 3,113.0 | 3,115.4 | 3,111.1 | 3,133.9 | 3,117.3 | 3,092.6 | 3,081.6 | 3,079.9 | 3,089.9 | 3,095.0 | 3,104.7 | 3,122.4 |
| Employed ....................... | 3,004.6 | 3,003.9 | 3,013.6 | 3,010.6 | 3,027.0 | 3,030.1 | 3,003.7 | 2,993.9 | 3,000.3 | 3,006.2 | 2,999.1 | 3.018 .8 | 3,029.6 |
| Unemployed ................... | 109.2 | 109.1 | 101.8 | 100.5 | 106.9 | 87.2 | 88.9 | 87.7 | 79.5 | 83.8 | 95.9 | 85.9 | 92.8 |
| Unemployment rate .......... | 3.5 | 3.5 | 3.3 | 3.2 | 3.4 | 2.8 | 2.9 | 2.8 | 2.6 | 2.7 | 3.1 | 2.8 | 3.0 |
| Iowa |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,573.9 | 1,581.7 | 1,589.9 | 1,594.3 | 1,588.6 | 1,582.9 | 1,581.9 | 1,574.5 | 1,566.7 | 1,571.0 | 1.581 .1 | 1,567.2 | 1,568.5 |
| Employed ....................... | 1.528.6 | 1,535.7 | 1,545.4 | 1,552.9 | 1,547.1 | 1,544.7 | 1,545.3 | 1,534.7 | 1,527.0 | 1,531.0 | 1,539.3 | 1,525.8 | 1,528.7 |
| Unemployed ................... | 45.3 | 46.0 | 44.5 | 41.4 | 41.5 | 38.2 | 36.7 | 39.8 | 39.7 | 40.0 | 41.8 | 41.4 | 39.9 |
| Unemployment rate ......... | 2.9 | 2.9 | 2.8 | 2.6 | 2.6 | 2.4 | 2.3 | 2.5 | 2.5 | 2.5 | 2.6 | 2.6 | 2.5 |
| Kansas |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 1,394.0 | 1,404.4 | 1,407.7 | 1,409.7 | 1,409.8 | 1,414.6 | 1.418 .9 | 1,413.2 | 1,419.3 | 1,422.5 | 1,424.7 | 1,429.4 | 1,428.1 |
| Employed ........................ | 1,343.4 | 1,351.6 | 1,358.9 | 1,362.0 | 1,360.3 | 1,366.9 | 1,368.6 | 1,363.2 | 1,366.5 | 1,371.7 | 1,371.8 | 1,377.5 | 1,376.2 |
| Unemployed ................... | 50.6 | 52.7 | 48.8 | 47.7 | 49.5 | 47.7 | 50.3 | 50.0 | 52.8 | 50.9 | 52.9 | 52.0 | 51.9 |
| Unemployment rate .......... | 3.6 | 3.8 | 3.5 | 3.4 | 3.5 | 3.4 | 3.5 | 3.5 | 3.7 | 3.6 | 3.7 | 3.6 | 3.6 |
| Kentucky |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,938.7 | 1,937.2 | 1,931.3 | 1,936.3 | 1,945.8 | 1,938.9 | 1,938.9 | 1,944.6 | 1,936.9 | 1,950.9 | 1,943.5 | 1,946.1 | 1,945.9 |
| Employed ....................... | 1,843.8 | 1,844.9 | 1,842.9 | 1,856.5 | 1,858.9 | 1,861.0 | 1,857.3 | 1,858.7 | 1,855.4 | 1,864.5 | 1,863.5 | 1,863.2 | 1,864.1 |
| Unemployed ................... | 94.9 | 92.3 | 88.4 | 79.9 | 86.9 | 77.8 | 81.6 | 85.8 | 81.5 | 86.3 | 80.0 | 83.0 | 81.8 |
| Unemployment rate .......... | 4.9 | 4.8 | 4.6 | 4.1 | 4.5 | 4.0 | 4.2 | 4.4 | 4.2 | 4.4 | 4.1 | 4.3 | 4.2 |
| Louisiana |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 2,037.2 | 2,043.8 | 2,067.6 | 2,038.0 | 2,033.2 | 2,054.4 | 2,080.2 | 2,083.7 | 2,073.4 | 2,083.5 | 2,073.4 | 2,069.9 | 2,059.1 |
| Employed ....................... | 1,917.8 | 1,926.5 | 1,962.3 | 1,949.8 | 1,937.4 | 1,940.7 | 1,970.5 | 1,975.0 | 1,950.8 | 1,956.6 | 1,946.2 | 1,966.7 | 1,949.6 |
| Unemployed ................... | 119.4 | 117.3 | 105.3 | 88.2 | 95.8 | 113.8 | 109.7 | 108.7 | 122.6 | 126.9 | 127.2 | 103.3 | 109.5 |
| Unemployment rate .......... | 5.9 | 5.7 | 5.1 | 4.3 | 4.7 | 5.5 | 5.3 | 5.2 | 5.9 | 6.1 | 6.1 | 5.0 | 5.3 |
| Maine |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 659.0 | 661.1 | 660.9 | 657.9 | 655.0 | 653.3 | 654.1 | 650.6 | 652.2 | 654.1 | 649.6 | 661.0 | 666.4 |
| Employed ....................... | 624.0 | 626.3 | 627.7 | 627.6 | 626.6 | 627.1 | 629.0 | 624.4 | 622.1 | 625.3 | 621.5 | 631.2 | 637.8 |
| Unemployed .................. | 35.0 | 34.9 | 33.1 | 30.3 | 28.4 | 26.2 | 25.1 | 26.1 | 30.2 | 28.8 | 28.1 | 29.7 | 28.6 |
| Unemployment rate .......... | 5.3 | 5.3 | 5.0 | 4.6 | 4.3 | 4.0 | 3.8 | 4.0 | 4.6 | 4.4 | 4.3 | 4.5 | 4.3 |

See footnotes at end of table.

C-2. Labor force status by State, seasonally adjusted - Continued
(Numbers in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p |
| New Jersey |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor torce | 4,186.2 | 4,178.1 | 4,181.8 | 4,185.9 | 4,192.5 | 4,188.9 | 4,185.0 | 4,193.9 | 4,187.6 | 4,184.2 | 4,190.0 | 4,183.0 | 4,177.7 |
| Employed | 3,979.3 | 3,971.6 | 3,977.1 | 3,975.3 | 3,978.5 | 3,974.9 | 3,975.7 | 3,991.8 | 3,983.9 | 3,982.1 | 3,993.1 | 3,992.3 | 3,991.1 |
| Unemployed ................... | 206.9 | 206.6 | 204.7 | 210.6 | 214.0 | 214.1 | 209.3 | 202.1 | 203.7 | 202.1 | 196.9 | 190.6 | 186.5 |
| Unemployment rate ......... | 4.9 | 4.9 | 4.9 | 5.0 | 5.1 | 5.1 | 5.0 | 4.8 | 4.9 | 4.8 | 4.7 | 4.6 | 4.5 |
| New Mexico |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 832.8 | 835.5 | 836.1 | 837.7 | 841.7 | 842.7 | 842.7 | 846.9 | 847.6 | 846.7 | 847.5 | 849.1 | 846.7 |
| Employed | 781.3 | 782.2 | 784.9 | 785.1 | 787.7 | 790.7 | 788.1 | 790.2 | 793.8 | 792.2 | 792.3 | 794.1 | 793.0 |
| Unemployed ................... | 51.5 | 53.3 | 51.2 | 52.5 | 54.0 | 52.1 | 54.5 | 56.7 | 53.8 | 54.5 | 55.2 | 55.0 | 53.7 |
| Unemployment rate ......... | 6.2 | 6.4 | 6.1 | 6.3 | 6.4 | 6.2 | 6.5 | 6.7 | 6.3 | 6.4 | 6.5 | 6.5 | 6.3 |
| New York |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 8,799.5 | 8,775.9 | 8.786 .7 | 8,810.2 | 8,795.3 | 8,773.0 | 8,788.3 | 8,781.1 | 8,769.1 | 8,769.7 | 8,794.5 | $8,795.6$ | 8.815 .9 |
| Employed ....................... | 8,252.7 | 8,241.8 | 8,259.4 | 8,267.9 | 8,261.8 | 8,267.5 | 8,287.8 | 8,301.5 | 8,289.5 | 8,302.4 | 8,310.6 | 8,321.5 | 8,335.1 |
| Unemployed ................... | 546.7 | 534.0 | 527.2 | 542.3 | 533.5 | 505.4 | 500.5 | 479.7 | 479.6 | 467.3 | 483.8 | 474.1 | 480.8 |
| Unemployment rate .......... | 6.2 | 6.1 | 6.0 | 6.2 | 6.1 | 5.8 | 5.7 | 5.5 | 5.5 | 5.3 | 5.5 | 5.4 | 5.5 |
| North Carolina |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 3,843.3 | 3,828.0 | 3,842.0 | 3,847.8 | 3,846.9 | 3,823.1 | 3,807.1 | 3,776.3 | 3,792.0 | 3,803.9 | 3,819.9 | 3,827.2 | 3,822.3 |
| Employed ....................... | 3,704.0 | 3,688.2 | 3.703 .7 | 3,706.5 | 3,698.0 | 3,683.1 | 3,680.8 | 3,661.0 | 3,668.1 | 3,668.1 | 3,685.9 | 3,689.4 | 3,695.7 |
| Unemployed ................... | 139.4 | 139.8 | 138.4 | 141.3 | 148.8 | 140.1 | 126.3 | 115.3 | 123.9 | 135.9 | 133.9 | 137.9 | 126.6 |
| Unemployment rate ......... | 3.6 | 3.7 | 3.6 | 3.7 | 3.9 | 3.7 | 3.3 | 3.1 | 3.3 | 3.6 | 3.5 | 3.6 | 3.3 |
| North Dakota |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 346.3 | 346.1 | 346.2 | 346.0 | 346.4 | 344.9 | 346.4 | 347.3 | 347.0 | 346.8 | 346.7 | 346.5 | 345.0 |
| Employed....................... | 339.2 | 339.1 | 339.8 | 339.4 | 338.0 | 338.2 | 339.1 | 339.5 | 339.5 | 338.5 | 338.0 | 337.5 | 336.2 |
| Unemployed ................... | 7.1 | 7.0 | 6.4 | 6.6 | 8.4 | 6.7 | 7.3 | 7.8 | 7.5 | 8.3 | 8.7 | 9.0 | 8.7 |
| Unemployment rate ......... | 2.0 | 2.0 | 1.8 | 1.9 | 2.4 | 1.9 | 2.1 | 2.2 | 2.2 | 2.4 | 2.5 | 2.6 | 2.5 |
| Ohio |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 5,767.0 | 5,786.2 | 5,796.7 | 5,803.6 | 5,805.8 | 5,784.3 | 5,802.3 | 5,805.1 | 5,816.0 | 5,803.3 | 5,804.7 | 5,805.7 | 5,802.3 |
| Employed ....................... | 5,510.9 | 5,531.5 | 5,561.9 | 5,562.7 | 5,558.4 | 5,562.3 | 5,555.7 | 5,544.0 | 5,541.3 | 5,551.7 | 5,554.4 | 5,557.1 | 5,563.7 |
| Unemployed ................... | 256.1 | 254.6 | 234.7 | 240.9 | 247.5 | 222.0 | 246.7 | 261.1 | 274.7 | 251.5 | 250.3 | 248.6 | 238.7 |
| Unemployment rate ......... | 4.4 | 4.4 | 4.0 | 4.2 | 4.3 | 3.8 | 4.3 | 4.5 | 4.7 | 4.3 | 4.3 | 4.3 | 4.1 |
| Oklahoma |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,607.7 | 1,607.5 | 1,608.2 | 1,612.4 | 1,616.2 | 1,611.6 | $1,614.2$ | 1,614.8 | 1,622.5 | 1,620.8 | 1,635.3 | 1,638.3 | 1,638.9 |
| Employed ....................... | 1,546.9 | 1,550.2 | 1,555.4 | 1,555.6 | 1,558.7 | 1,551.0 | 1,554.8 | 1,550.0 | 1,550.9 | 1,551.7 | 1,564.3 | 1,567.7 | 1,570.6 |
| Unemployed ................... | 60.8 | 57.3 | 52.7 | 56.9 | 57.5 | 60.5 | 59.5 | 64.8 | 71.5 | 69.1 | 71.1 | 70.6 | 68.4 |
| Unemployment rate ......... | 3.8 | 3.6 | 3.3 | 3.5 | 3.6 | 3.8 | 3.7 | 4.0 | 4.4 | 4.3 | 4.3 | 4.3 | 4.2 |
| Oregon |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,767.3 | 1,775.4 | 1,807.9 | 1,774.4 | 1,778.5 | 1,769.2 | 1,775.0 | 1,755.1 | 1,765.8 | 1,766.9 | 1,789.1 | 1,804.8 | 1,804.4 |
| Employed ....................... | 1,670.8 | 1,681.2 | 1,713.8 | 1,690.5 | 1,691.3 | 1,679.3 | 1,682.7 | 1,660.2 | 1,669.9 | 1,665.9 | 1,687.4 | 1,701.6 | 1,702.7 |
| Unemployed ................... | 96.5 | 94.2 | 94.1 | 83.9 | 87.2 | 89.9 | 92.2 | 94.9 | 95.9 | 101.0 | 101.7 | 103.2 | 101.7 |
| Unemployment rate ......... | 5.5 | 5.3 | 5.2 | 4.7 | 4.9 | 5.1 | 5.2 | 5.4 | 5.4 | 5.7 | 5.7 | 5.7 | 5.6 |
| Pennsylvania |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 5,990.7 | 5,991.7 | 5,977.8 | 5,978.3 | 5,979.1 | 5,980.2 | 5,963.8 | 5,962.1 | 5,984.1 | 5,972.5 | 5,953.3 | 5,935.5 | 5,938.4 |
| Employed ....................... | 5,697.7 | 5,705.0 | 5,701.4 | 5,698.5 | 5,694.3 | 5,723.6 | 5,708.3 | 5,700.4 | 5,714.2 | 5,707.1 | 5,684.2 | 5,657.7 | 5,663.5 |
| Unemployed ................... | 292.9 | 286.7 | 276.4 | 279.8 | 284.8 | 256.6 | 255.6 | 261.7 | 269.9 | 265.4 | 269.1 | 277.8 | 274.9 |
| Unemployment rate .......... | 4.9 | 4.8 | 4.6 | 4.7 | 4.8 | 4.3 | 4.3 | 4.4 | 4.5 | 4.4 | 4.5 | 4.7 | 4.6 |
| Rhode Island |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 506.7 | 507.5 | 508.6 | 506.5 | 509.5 | 506.6 | 501.8 | 498.4 | 500.1 | 499.6 | 502.6 | 502.2 | 503.0 |
| Employed ....................... | 481.4 | 482.9 | 484.1 | 481.9 | 483.7 | 481.9 | 478.4 | 477.9 | 477.8 | 475.5 | 478.0 | 476.0 | 478.1 |
| Unemployed ................... | 25.2 | 24.6 | 24.5 | 24.6 | 25.8 | 24.7 | 23.4 | 20.5 | 22.2 | 24.0 | 24.6 | 26.2 | 24.9 |
| Unemployment rate .......... | 5.0 | 4.9 | 4.8 | 4.9 | 5.1 | 4.9 | 4.7 | 4.1 | 4.4 | 4.8 | 4.9 | 5.2 | 4.9 |

See footnotes at end of table.

C-2. Labor force status by State, seasonally adjusted - Continued
(Numbers in thousands)

| State | 1997 |  | 1998 |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov.p |
| South Carolina |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ... | 1,907.7 | 1,902.9 | 1,908.4 | 1,910.4 | 1,902.6 | 1,913.3 | 1,919.4 | 1,929.2 | 1,941.5 | 1,930.3 | 1,932.6 | 1,949.8 | 1,959.3 |
| Employed. | 1,836.9 | 1,832.9 | 1,834.5 | 1,844.5 | 1,856.3 | 1,856.8 | 1,854.3 | 1,867.3 | 1,868.0 | 1,863.5 | 1,869.2 | 1,875.6 | 1,883.5 |
| Unemployed ................... | 70.8 | 70.0 | 73.8 | 65.8 | 46.2 | 56.6 | 65.0 | 61.9 | 73.4 | 66.9 | 63.3 | 74.2 | 75.8 |
| Unemployment rate .......... | 3.7 | 3.7 | 3.9 | 3.4 | 2.4 | 3.0 | 3.4 | 3.2 | 3.8 | 3.5 | 3.3 | 3.8 | 3.9 |
| South Dakota |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force .............. | 395.9 | 397.5 | 398.0 | 398.7 | 398.6 | 398.4 | 399.8 | 400.6 | 401.2 | 398.5 | 399.4 | 402.3 | 403.9 |
| Employed ... | 384.8 | 386.7 | 386.7 | 388.2 | 387.8 | 387.4 | 388.9 | 390.0 | 389.9 | 389.5 | 389.8 | 391.9 | 393.1 |
| Unemployed ................... | 11.2 | 10.8 | 11.3 | 10.5 | 10.8 | 11.0 | 10.9 | 10.7 | 11.3 | 9.0 | 9.7 | 10.4 | 10.8 |
| Unemployment rate .......... | 2.8 | 2.7 | 2.8 | 2.6 | 2.7 | 2.8 | 2.7 | 2.7 | 2.8 | 2.3 | 2.4 | 2.6 | 2.7 |
| Tennessee |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 2,753.6 | 2,775.2 | 2,782.4 | 2,776.9 | 2,781.4 | 2,790.0 | 2,779.4 | 2,766.6 | 2,772.3 | 2,775.4 | 2,782.1 | 2,787.4 | 2,780.5 |
| Employed ........................ | 2,611.2 | 2,634.7 | 2,660.5 | 2,656.6 | 2,650.8 | 2,657.2 | 2,658.8 | 2,659.7 | 2,665.5 | 2,661.1 | 2,667.4 | 2,674.7 | 2,671.9 |
| Unemployed ................... | 142.5 | 140.6 | 121.9 | 120.3 | 130.7 | 132.9 | 120.7 | 106.9 | 106.9 | 114.2 | 114.7 | 112.7 | 108.6 |
| Unemployment rate ......... | 5.2 | 5.1 | 4.4 | 4.3 | 4.7 | 4.8 | 4.3 | 3.9 | 3.9 | 4.1 | 4.1 | 4.0 | 3.9 |
| Texas |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 9,955.2 | 9,979.9 | 10,011.7 | 10,022.0 | 10,051.2 | 10,070.5 | 10,100.4 | 10,133.4 | 10,161.7 | 10,169.7 | 10,215.3 | 10,216.9 | 10,169.5 |
| Employed ....................... | 9,454.0 | 9,489.4 | 9,520.9 | 9,558.1 | 9,581.3 | 9,611.9 | 9,640.1 | 9,630.8 | 9,661.1 | 9,660.9 | 9,701.3 | 9,713.7 | 9,700.1 |
| Unemployed ................... | 501.3 | 490.5 | 490.9 | 463.9 | 469.9 | 458.7 | 460.3 | 502.6 | 500.6 | 508.9 | 514.0 | 503.2 | 469.4 |
| Unemployment rate .......... | 5.0 | 4.9 | 4.9 | 4.6 | 4.7 | 4.6 | 4.6 | 5.0 | 4.9 | 5.0 | 5.0 | 4.9 | 4.6 |
| Utah |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 1,061.9 | 1,069.7 | 1,076.5 | 1,079.5 | 1,077.5 | 1,080.1 | 1,080.2 | 1,081.4 | 1,085.1 | 1,084.6 | 1,084.5 | 1,090.4 | 1,089.0 |
| Employed ....................... | 1,030.9 | 1,038.8 | 1,045.6 | 1,048.4 | 1,043.9 | 1,045.5 | 1,047.2 | 1,046.6 | 1,046.1 | 1,048.7 | 1,048.2 | 1,055.3 | 1,056.7 |
| Unemployed ................... | 31.1 | 30.9 | 30.9 | 31.1 | 33.6 | 34.6 | 33.0 | 34.8 | 39.0 | 35.9 | 36.3 | 35.1 | 32.3 |
| Unemployment rate ......... | 2.9 | 2.9 | 2.9 | 2.9 | 3.1 | 3.2 | 3.1 | 3.2 | 3.6 | 3.3 | 3.3 | 3.2 | 3.0 |
| Vermont |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 329.3 | 330.3 | 329.2 | 330.8 | 331.8 | 330.2 | 329.1 | 330.4 | 333.3 | 332.9 | 330.9 | 330.8 | 331.6 |
| Employed ........................ | 316.9 | 318.0 | 317.2 | 319.3 | 320.4 | 319.6 | 317.9 | 318.9 | 321.5 | 323.2 | 320.5 | 320.3 | 321.9 |
| Unemployed ................... | 12.4 | 12.3 | 12.0 | 11.5 | 11.4 | 10.6 | 11.2 | 11.5 | 11.8 | 9.8 | 10.4 | 10.5 | 9.7 |
| Unemployment rate ......... | 3.8 | 3.7 | 3.6 | 3.5 | 3.4 | 3.2 | 3.4 | 3.5 | 3.5 | 2.9 | 3.2 | 3.2 | 2.9 |
| Virginia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 3,500.9 | 3,538.4 | 3,541.0 | 3,547.6 | 3,554.8 | 3,540.2 | 3,555.0 | 3,554.9 | 3,554.6 | 3,567.5 | 3,580.5 | 3,579.1 | 3,577.0 |
| Employed ....................... | 3,376.1 | 3,417.2 | 3,424.7 | 3,431.8 | 3,436.2 | 3,440.8 | 3,448.8 | 3,443.8 | 3,449.1 | 3,456.0 | 3,468.7 | 3,466.8 | 3,470.2 |
| Unemployed ................... | 124.8 | 121.2 | 116.4 | 115.8 | 118.6 | 99.4 | 106.2 | 111.2 | 105.5 | 111.5 | 111.8 | 112.3 | 106.8 |
| Unemployment rate ......... | 3.6 | 3.4 | 3.3 | 3.3 | 3.3 | 2.8 | 3.0 | 3.1 | 3.0 | 3.1 | 3.1 | 3.1 | 3.0 |
| Washington |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 3,010.2 | 3,016.0 | 3,012.2 | 3,009.4 | 3,025.7 | 3.000 .0 | 3,045.6 | 3,027.6 | 3,024.0 | 3,022.7 | 3,065.9 | 3,087.0 | 3,081.8 |
| Employed ....................... | 2,877.7 | 2,882.4 | 2,877.6 | 2,884.7 | 2,900.7 | 2,874.2 | 2,911.6 | 2,886.8 | 2,881.5 | 2,880.0 | 2,908.3 | 2,937.6 | 2,935.9 |
| Unemployed ................... | 132.6 | 133.6 | 134.6 | 124.6 | 125.0 | 125.9 | 134.0 | 140.8 | 142.5 | 142.7 | 157.6 | 149.4 | 145.9 |
| Unemployment rate ......... | 4.4 | 4.4 | 4.5 | 4.1 | 4.1 | 4.2 | 4.4 | 4.7 | 4.7 | 4.7 | 5.1 | 4.8 | 4.7 |
| West Virginia |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 805.0 | 802.7 | 802.9 | 800.4 | 807.0 | 806.2 | 811.3 | 806.4 | 807.6 | 803.5 | 802.8 | 810.4 | 807.3 |
| Employed ........................ | 752.1 | 751.0 | 753.7 | 754.2 | 752.0 | 752.9 | 759.3 | 750.5 | 752.3 | 748.7 | 751.4 | 757.0 | 756.2 |
| Unemployed .................. | 52.9 | 51.6 | 49.2 | 46.2 | 55.1 | 53.4 | 52.0 | 55.9 | 55.3 | 54.8 | 51.5 | 53.4 | 51.1 |
| Unemployment rate ......... | 6.6 | 6.4 | 6.1 | 5.8 | 6.8 | 6.6 | 6.4 | 6.9 | 6.8 | 6.8 | 6.4 | 6.6 | 6.3 |
| Wisconsin |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 2,947.0 | 2,953.0 | 2,963.4 | 2,962.7 | 2,957.6 | 2,947.9 | 2,949.3 | 2,954.5 | 2,970.5 | 2,964.9 | 2,963.6 | 2,968.0 | 2,970.2 |
| Employed ....................... | 2,843.1 | 2,849.8 | 2,869.6 | 2,875.3 | 2,866.5 | 2,878.4 | 2,870.9 | 2,867.2 | 2,869.4 | 2,868.4 | 2,867.5 | 2,865.7 | 2,865.6 |
| Unemployed ................... | 103.8 | 103.2 | 93.8 | 87.3 | 91.1 | 69.4 | 78.4 | 87.3 | 101.1 | 96.4 | 96.1 | 102.3 | 104.6 |
| Unemployment rate .......... | 3.5 | 3.5 | 3.2 | 2.9 | 3.1 | 2.4 | 2.7 | 3.0 | 3.4 | 3.3 | 3.2 | 3.4 | 3.5 |
| Wyoming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force ............. | 253.0 | 254.9 | 254.0 | 254.2 | 255.0 | 254.8 | 256.3 | 258.1 | 258.8 | 258.6 | 257.9 | 258.1 | 257.9 |
| Employed ....................... | 241.4 | 243.5 | 243.5 | 244.0 | 244.3 | 244.2 | 245.0 | 245.9 | 247.0 | 246.6 | 246.0 | 245.7 | 245.6 |
| Unemployed ................... | 11.6 | 11.4 | 10.6 | 10.2 | 10.7 | 10.5 | 11.3 | 12.1 | 11.9 | 11.9 | 11.9 | 12.4 | 12.3 |
| Unemployment rate .......... | 4.6 | 4.5 | 4.2 | 4.0 | 4.2 | 4.1 | 4.4 | 4.7 | 4.6 | 4.6 | 4.6 | 4.8 | 4.8 |

$\mathrm{p}=$ preliminary.
NOTE: Data refer to place of residence. Al estimates are provisional and will be

C-3. Labor force status by State and metropolitan area
(Numbers in thousands)

| State and area | Civilian labor force |  |  |  | Unemployed |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Number |  |  |  | Percent of labor force |  |  |  |
|  | October |  | November |  | October |  | November |  | October |  | November |  |
|  | 1997 | 1998 | 1997 | 1998p | 1997 | 1998 | 1997 | $1998{ }^{\text {P }}$ | 1997 | 1998 | 1997 | 1998 ${ }^{\text {P }}$ |
| Alabama | 2,178.6 | 2,164.3 | 2,178.8 | 2,166.7 | 108.7 | 97.5 | 97.3 | 86.1 | 5.0 | 4.5 | 4.5 | 4.0 |
| Anniston | 55.6 | 54.1 | 55.3 | 54.4 | 3.5 | 2.7 | 3.1 | 2.5 | 6.3 | 5.0 | 5.5 | 4.6 |
| Birmingham | 474.3 | 477.2 | 474.6 | 479.4 | 16.5 | 15.1 | 14.5 | 12.8 | 3.5 | 3.2 | 3.0 | 2.7 |
| Decatur ........................................................ | 72.5 | 72.1 | 72.8 | 72.0 | 3.4 | 3.2 | 3.1 | 2.8 | 4.7 | 4.5 | 4.3 | 3.8 |
| Dothan | 67.6 | 67.0 | 67.9 | 67.1 | 3.2 | 2.4 | 2.8 | 2.2 | 4.8 | 3.6 | 4.1 | 3.3 |
| Florence | 71.9 | 71.7 | 72.3 | 71.9 | 4.6 | 4.5 | 4.3 | 4.4 | 6.3 | 6.3 | 6.0 | 6.1 |
| Gadsden | 50.9 | 51.9 | 51.1 | 51.6 | 2.5 | 3.5 | 2.2 | 2.8 | 4.8 | 6.8 | 4.4 | 5.5 |
| Huntsville | 171.9 | 171.1 | 172.6 | 171.9 | 4.6 | 5.4 | 4.6 | 4.6 | 2.7 | 3.1 | 2.7 | 2.7 |
| Mobile ......................................................... | 270.3 | 271.5 | 269.8 | 271.9 | 12.7 | 11.5 | 11.2 | 9.8 | 4.7 | 4.3 | 4.1 | 3.6 |
| Montgomery .................................................... | 161.7 | 160.4 | 161.6 | 161.5 | 7.0 | 5.4 | 6.0 | 4.6 | 4.3 | 3.4 | 3.7 | 2.9 |
| Tuscaloosa ................................................... | 84.5 | 86.0 | 85.6 | 87.1 | 2.7 | 2.3 | 2.4 | 2.1 | 3.2 | 2.7 | 2.8 | 2.4 |
| Alaska | 315.7 | 320.5 | 314.8 | 315.6 | 22.5 | 18.7 | 22.9 | 16.9 | 7.1 | 5.8 | 7.3 | 5.4 |
| Anchorage ................................................... | 139.6 | 143.3 | 142.1 | 143.9 | 7.7 | 6.0 | 7.7 | 5.2 | 5.5 | 4.2 | 5.5 | 3.6 |
| Arizona | 2,207.5 | 2.300 .1 | 2,224.9 | 2,305.8 | 100.6 | 87.7 | 88.5 | 84.0 | 4.6 | 3.8 | 4.0 | 3.6 |
| Flagstaff | 59.7 | 58.2 | 59.6 | 60.2 | 4.3 | 3.1 | 4.2 | 3.3 | 7.2 | 5.4 | 7.0 | 5.5 |
| Phoenix-Mesa ............................................... | 1,453.5 | 1,528.0 | 1,469.3 | 1,535.6 | 43.6 | 40.9 | 38.8 | 39.4 | 3.0 | 2.7 | 2.6 | 2.6 |
| Tucson ......................................................... | 361.8 | 371.9 | 365.1 | 371.3 | 12.4 | 9.0 | 10.6 | 8.7 | 3.4 | 2.4 | 2.9 | 2.3 |
| Yuma ......................................................... | 64.9 | 66.4 | 64.5 | 65.7 | 18.1 | 16.6 | 15.8 | 14.9 | 27.9 | 25.0 | 24.4 | 22.7 |
| Arkansas | 1,216.8 | 1,244.8 | 1,226.1 | 1,244.7 | 52.3 | 57.5 | 54.3 | 57.4 | 4.3 | 4.6 | 4.4 | 4.6 |
| Fayetteville-Springdale-Rogers | 139.5 | 142.9 | 140.8 | 143.0 | 3.6 | 3.8 | 3.7 | 3.7 | 2.6 | 2.7 | 2.6 | 2.6 |
| Fort Smith .................................................... | 95.6 | 96.8 | 96.0 | 96.6 | 4.9 | 4.4 | 4.8 | 4.4 | 5.1 | 4.6 | 5.0 | 4.5 |
| Jonesboro .................................................... | 41.2 | 42.2 | 41.7 | 42.4 | 1.3 | 1.4 | 1.5 | 1.5 | 3.2 | 3.4 | 3.6 | 3.4 |
| Little Rock-North Little Rock ............................ | 296.0 | 301.2 | 299.1 | 302.3 | 10.2 | 10.1 | 10.2 | 9.6 | 3.4 | 3.4 | 3.4 | 3.2 |
| Pine Bluff ..................................................... | 35.9 | 36.7 | 35.9 | 36.7 | 2.4 | 2.5 | 2.3 | 2.6 | 6.6 | 6.9 | 6.4 | 7.0 |
| California | 16,141.9 | 16,377.2 | 16,092.0 | 16,318.5 | 951.7 | 928.9 | 943.9 | 901.2 | 5.9 | 5.7 | 5.9 | 5.5 |
| Bakersfield | 281.1 | 272.9 | 283.1 | 278.5 | 35.2 | 30.0 | 35.9 | 34.7 | 12.5 | 11.0 | 12.7 | 12.5 |
| Chico-Paradise | 86.8 | 87.4 | 87.5 | 87.5 | 5.8 | 5.6 | 6.7 | 5.7 | 6.7 | 6.4 | 7.6 | 6.5 |
| Fresno ......................................................... | 428.3 | 428.2 | 420.4 | 419.6 | 57.6 | 55.5 | 59.8 | 58.1 | 13.5 | 13.0 | 14.2 | 13.8 |
| Los Angeles-Long Beach ................................ | 4,548.7 | 4,651.5 | 4,521.8 | 4,670.1 | 285.0 | 302.0 | 283.5 | 292.8 | 6.3 | 6.5 | 6.3 | 6.3 |
| Merced | 83.0 | 82.6 | 84.0 | 82.2 | 11.0 | 9.9 | 13.0 | 11.6 | 13.3 | 12.0 | 15.5 | 14.1 |
| Modesto ....................................................... | 205.0 | 206.7 | 204.0 | 203.8 | 24.1 | 22.6 | 25.0 | 22.2 | 11.8 | 11.0 | 12.2 | 10.9 |
| Oakland | 1,189.4 | 1,204.0 | 1.189.4 | 1,197.9 | 48.3 | 45.8 | 44.3 | 40.5 | 4.1 | 3.8 | 3.7 | 3.4 |
| Orange County | 1,396.6 | 1,433.0 | 1,396.0 | 1,424.5 | 44.3 | 42.4 | 39.7 | 37.3 | 3.2 | 3.0 | 2.8 | 2.6 |
| Redding ........... | 74.8 | 74.5 | 72.9 | 72.5 | 5.7 | 5.2 | 6.1 | 5.4 | 7.7 | 7.0 | 8.4 | 7.4 |
| Riverside-San Bernardino | 1,367.3 | 1,408.2 | 1,367.9 | 1,403.2 | 94.4 | 87.4 | 84.6 | 76.3 | 6.9 | 6.2 | 6.2 | 5.4 |
| Sacramento | 741.7 | 749.3 | 745.5 | 747.0 | 37.5 | 34.3 | 35.6 | 30.6 | 5.1 | 4.6 | 4.8 | 4.1 |
| Salinas ..... | 184.6 | 183.9 | 186.3 | 184.5 | 12.8 | 12.2 | 19.1 | 17.1 | 7.0 | 6.7 | 10.2 | 9.3 |
| San Diego | 1,294.0 | 1,306.6 | 1,294.3 | 1,301.6 | 51.9 | 48.3 | 46.5 | 42.2 | 4.0 | 3.7 | 3.6 | 3.2 |
| San Francisco | 940.4 | 947.4 | 939.8 | 941.8 | 30.2 | 27.7 | 27.3 | 23.6 | 3.2 | 2.9 | 2.9 | 2.5 |
| San Jose ...................................................... | 954.0 | 966.5 | 952.5 | 956.4 | 26.6 | 35.4 | 24.4 | 31.2 | 2.8 | 3.7 | 2.6 | 3.3 |
| San Luis Obispo-Atascadero-Paso Robles .......... | 109.5 | 110.2 | 109.8 | 109.8 | 4.7 | 4.3 | 4.9 | 4.0 | 4.3 | 3.9 | 4.5 | 3.6 |
| Santa Barbara-Santa Maria-Lompoc .................. | 197.1 | 195.7 | 197.7 | 195.5 | 9.2 | 7.6 | 10.0 | 8.3 | 4.7 | 3.9 | 5.1 | 4.2 |
| Santa Cruz-Watsonville ................. | 145.8 | 147.2 | 144.4 | 144.9 | 8.7 | 7.6 | 10.3 | 9.2 | 6.0 | 5.2 | 7.1 | 6.3 |
| Santa Rosa | 243.5 | 246.2 | 240.6 | 242.4 | 8.1 | 6.9 | 8.0 | 6.4 | 3.3 | 2.8 | 3.3 | 2.6 |
| Stockton-Lodi | 249.1 | 249.5 | 246.6 | 245.9 | 24.0 | 22.5 | 26.8 | 24.4 | 9.6 | 9.0 | 10.9 | 9.9 |
| Vallejo-Fairlield-Napa | 244.6 | 248.8 | 242.2 | 245.7 | 13.8 | 11.1 | 13.5 | 10.8 | 5.6 | 4.5 | 5.6 | 4.4 |
| Ventura ................... | 387.6 | 390.8 | 385.4 | 389.2 | 26.2 | 22.7 | 26.3 | 22.8 | 6.8 | 5.8 | 6.8 | 5.8 |
| Visalia-Tulare-Porterville | 163.2 | 164.9 | 161.8 | 164.2 | 25.9 | 24.1 | 26.8 | 26.6 | 15.8 | 14.6 | 16.6 | 16.2 |
| Yolo ............................................................ | 87.2 | 87.5 | 87.1 | 87.4 | 4.4 | 3.7 | 5.2 | 4.2 | 5.0 | 4.3 | 5.9 | 4.8 |
| Yuba City ..................................................... | 55.6 | 56.3 | 56.4 | 56.8 | 6.7 | 6.2 | 8.2 | 7.5 | 12.0 | 10.9 | 14.6 | 13.1 |
| Colorado | 2,207.1 | 2,296.4 | 2,210.0 | 2,279.2 | 59.9 | 77.6 | 63.6 | 73.2 | 2.7 | 3.4 | 2.9 | 3.2 |
| Boulder-Longmont | 174.4 | 179.1 | 175.3 | 177.2 | 4.1 | 5.5 | 4.2 | 5.0 | 2.4 | 3.1 | 2.4 | 2.8 |
| Colorado Springs .. | 251.0 | 262.4 | 251.0 | 261.2 | 7.8 | 10.4 | 8.1 | 9.7 | 3.1 | 4.0 | 3.2 | 3.7 |
| Denver .............. | 1,112.0 | 1,162.0 | 1,114.9 | 1,152.8 | 26.2 | 32.4 | 27.6 | 29.9 | 2.4 | 2.8 | 2.5 | 2.6 |
| Fort Coilins-Loveland ...................................... | 138.5 | 142.4 | 137.5 | 140.5 | 3.5 | 4.9 | 3.7 | 5.0 | 2.5 | 3.5 | 2.7 | 3.6 |
| Grand Junction .............................................. | 57.9 | 60.1 | 57.6 | 59.1 | 2.2 | 2.4 | 2.3 | 2.3 | 3.7 | 4.1 | 3.9 | 3.9 |
| Greeley | 83.5 | 87.2 | 82.3 | 85.9 | 2.5 | 3.6 | 2.8 | 3.3 | 3.0 | 4.1 | 3.4 | 3.9 |
| Pueblo. | 60.7 | 64.3 | 61.1 | 63.3 | 2.2 | 4.0 | 2.3 | 3.7 | 3.6 | 6.3 | 3.8 | 5.8 |
| Connecticut | 1,723.6 | 1,719.0 | 1,721.5 | 1,721.6 | 73.5 | 56.7 | 72.3 | 58.0 | 4.3 | 3.3 | 4.2 | 3.4 |
| Bridgeport | 218.9 | 217.3 | 218.9 | 217.4 | 11.1 | 9.0 | 11.0 | 9.1 | 5.1 | 4.2 | 5.0 | 4.2 |
| Danbury ... | 108.9 | 110.1 | 109.4 | 110.5 | 3.0 | 2.5 | 2.8 | 2.6 | 2.7 | 2.2 | 2.6 | 2.3 |
| Hartlord ... | 585.6 | 581.9 | 584.1 | 582.5 | 25.8 | 19.8 | 25.5 | 19.8 | 4.4 | 3.4 | 4.4 | 3.4 |
| New Haven-Meriden | 273.3 | 270.4 | 271.8 | 271.2 | 11.7 | 8.8 | 11.3 | 9.4 | 4.3 | 3.3 | 4.2 | 3.5 |
| New London-Norwich | 154.2 | 154.6 | 154.1 | 154.0 | 7.8 | 5.8 | 7.7 | 5.7 | 5.1 | 3.8 | 5.0 | 3.7 |
| Stamford-Norwalk ..... | 195.5 | 197.7 | 196.1 | 198.2 | 5.4 | 4.5 | 5.4 | 4.7 | 2.8 | 2.3 | 2.8 | 2.4 |
| Waterbury ................ | 119.0 | 119.3 | 119.1 | 120.0 | 5.7 | 4.3 | 5.4 | 4.5 | 4.7 | 3.6 | 4.5 | 3.8 |
| Delaware ......................................................... | 379.4 | 395.0 | 386.6 | 400.1 | 12.2 | 13.1 | 11.5 | 13.0 | 3.2 | 3.3 | 3.0 | 3.2 |
| Dover .......................................................... | 66.6 | 71.6 | 68.7 | 72.4 | 2.3 | 3.3 | 2.2 | 2.4 | 3.5 | 4.6 | 3.2 | 3.3 |
| Wilmington-Newark ........................................ | 286.0 | 293.0 | 291.4 | 296.6 | 10.4 | 9.5 | 9.9 | 9.6 | 3.6 | 3.2 | 3.4 | 3.2 |

[^16](Numbers in thousands)

| State and area | Civilian labor force |  |  |  | Unemployed |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Number |  |  |  | Percent of labor force |  |  |  |
|  | October |  | November |  | October |  | November |  | October |  | November |  |
|  | 1997 | 1998 | 1997 | 1998P | 1997 | 1998 | 1997 | 1998 P | 1997 | 1998 | 1997 | 1998P |
| District of Columbia $\qquad$ <br> Washington $\qquad$ | 255.4 | 260.1 | 255.2 | 258.1 | 20.4 | 22.6 | 20.3 | 21.5 | 8.0 | 8.7 | 7.9 | 8.3 |
|  | 2,529.4 | 2,595.3 | 2.549 .3 | 2,602.3 | 90.5 | 79.5 | 87.5 | 76.1 | 3.6 | 3.1 | 3.4 | 2.9 |
| Florida ......................................................... | 7,216.3 | 7,388.5 | 7,240.8 | 7,372.8 | 336.0 | 323.6 | 334.4 | 314.9 | 4.7 | 4.4 | 4.6 | 4.3 |
| Daytona Beach <br> Fort Lauderdale $\qquad$ <br> Fort Myers-Cape Coral | 190.2 | 192.5 | 189.8 | 191.0 | 7.1 | 6.6 | 7.4 | 6.5 | 3.7 | 3.4 | 3.9 | 3.4 |
|  | 762.1 | 774.9 | 764.1 | 772.2 | 36.8 | 34.7 | 37.6 | 34.8 | 4.8 | 4.5 | 4.9 | 4.5 |
|  | 170.2 | 172.0 | 171.5 | 171.3 | 5.8 | 5.4 | 5.7 | 5.0 | 3.4 | 3.1 | 3.3 | 2.9 |
| Fort Myers-Cape Coral .................................. Fort Pierce-Port St. Lucie .................... | 122.0 | 124.6 | 122.3 | 124.0 | 11.6 | 12.1 | 10.5 | 10.8 | 9.5 | 9.7 | 8.6 | 8.7 |
| Fort Walton Beach ......................................... | 78.1 | 80.8 | 77.6 | 79.6 | 2.8 | 2.5 | 3.0 | 2.5 | 3.5 | 3.1 | 3.9 | 3.2 |
|  | 104.2 | 105.7 | 104.0 | 104.8 | 2.6 | 2.5 | 2.7 | 2.4 | 2.5 | 2.4 | 2.6 | 2.3 |
| Gainesville $\qquad$ | 544.2 | 555.8 | 539.9 | 551.7 | 18.1 | 16.0 | 18.8 | 16.1 | 3.3 | 2.9 | 3.5 | 2.9 |
| Jacksonville $\qquad$ <br> Lakeland-Winter Haven $\qquad$ | 196.6 | 199.1 | 198.1 | 199.6 | 12.5 | 11.5 | 11.2 | 10.2 | 6.4 | 5.8 | 5.7 | 5.1 |
|  | 205.4 | 209.2 | 205.1 | 207.6 | 9.1 | 9.9 | 9.1 | 9.6 | 4.4 | 4.7 | 4.5 | 4.6 |
|  | 1,049.4 | 1,060.6 | 1,055.4 | 1,060.4 | 72.3 | 69.0 | 73.9 | 70.6 | 6.9 | 6.5 | 7.0 | 6.7 |
| Naples $\qquad$ Ocala | 86.8 | 90.5 | 88.7 | 91.9 | 5.1 | 4.6 | 4.0 | 3.8 | 5.9 | 5.1 | 4.5 | 4.1 |
|  | 95.9 | 97.7 | 95.9 | 97.3 | 4.1 | 4.2 | 4.1 | 4.0 | 4.2 | 4.3 | 4.3 | 4.1 |
| Ocala $\qquad$ Orlando $\qquad$ | 832.0 | 857.1 | 830.1 | 853.4 | 27.0 | 25.4 | 27.5 | 25.1 | 3.2 | 3.0 | 3.3 | 2.9 |
| Panama City | 65.0 | 67.4 | 64.8 | 66.3 | 4.2 | 5.4 | 5.4 | 5.3 | 6.4 | 8.0 | 8.4 | 8.0 |
| Pensacola ...... | 173.1 | 176.7 | 172.0 | 174.7 | 6.4 | 6.6 | 6.6 | 6.4 | 3.7 | 3.7 | 3.8 | 3.7 |
|  | 45.9 | 46.0 | 46.3 | 46.1 | 1.7 | 1.7 | 1.8 | 1.5 | 3.7 | 3.6 | 3.8 | 3.3 |
| Sarasota-Bradenton ......................................... | 271.1 | 287.7 | 275.6 | 289.2 | 7.5 | 7.1 | 7.0 | 6.2 | 2.8 | 2.5 | 2.5 | 2.2 |
|  | 145.4 | 146.6 | 144.0 | 145.4 | 4.3 | 4.5 | 4.4 | 4.6 | 3.0 | 3.1 | 3.0 | 3.1 |
| Taliahassee ......................................................... | 1,150.6 | 1,187.8 | 1.156.4 | 1,185.1 | 38.8 | 35.3 | 39.5 | 34.6 | 3.4 | 3.0 | 3.4 | 2.9 |
| West Palm Beach-Boca Raton ......................... | 490.3 | 503.2 | 494.4 | 506.4 | 32.1 | 30.1 | 28.7 | 28.1 | 6.5 | 6.0 | 5.8 | 5.6 |
| Georgia | 3,949.2 | 4,017.8 | 3,950.1 | 4,043.2 | 175.9 | 164.0 | 156.1 | 152.4 | 4.5 | 4.1 | 4.0 | 3.8 |
| Albany | 58.7 | 59.0 | 58.1 | 58.9 | 4.1 | 4.9 | 3.6 | 4.5 | 6.9 | 8.3 | 6.3 | 7.7 |
| Athens | 73.5 | 75.1 | 73.5 | 75.5 | 2.2 | 2.0 | 2.0 | 1.8 | 3.0 | 2.7 | 2.7 | 2.3 |
| Atlanta | 2,089.1 | 2,125.4 | 2,094.1 | 2,143.9 | 76.3 | 68.2 | 66.2 | 63.7 | 3.7 | 3.2 | 3.2 | 3.0 |
| Augusta-Aiken | 203.4 | 205.0 | 202.6 | 205.0 | 12.3 | 11.0 | 10.7 | 9.5 | 6.0 | 5.3 | 5.3 | 4.6 |
| Columbus ...... | 122.8 | 124.1 | 123.3 | 125.1 | 6.5 | 6.1 | 5.9 | 5.5 | 5.3 | 4.9 | 4.8 | 4.4 |
| Macon .... | 153.6 | 155.6 | 153.2 | 156.0 | 7.5 | 7.9 | 6.5 | 7.4 | 4.9 | 5.1 | 4.2 | 4.7 |
| Savannah .................................................... | 133.2 | 135.4 | 133.9 | 136.9 | 6.1 | 7.0 | 5.4 | 6.4 | 4.6 | 5.2 | 4.0 | 4.7 |
| Hawaii | 589.0 | 595.8 | 594.2 | 597.6 | 35.0 | 34.0 | 34.2 | 34.2 | 5.9 | 5.7 5.1 | 5.8 | 5.7 |
| Honoluiu | 424.7 | 429.1 | 428.8 | 430.2 | 21.4 | 21.9 | 21.0 | 21.9 | 5.0 | 5.1 | 4.9 | 5.1 |
| Idaho | 636.6 | 661.3 | 637.6 | 663.7 | 27.4 | 26.9 | 29.8 | 29.8 | 4.3 | 4.1 | 4.7 | 4.5 |
|  | 210.8 | 223.9 | 218.2 | 230.1 | 7.3 | 7.2 | 7.6 | 7.6 | 3.4 | 3.2 | 3.5 | 3.3 |
|  | 39.4 | 41.1 | 40.8 | 42.6 | 2.0 | 1.7 | 2.1 | 1.9 | 5.0 | 4.1 | 5.1 | 4.5 |
| Illinois | 6,151.6 | 6,187.0 | 6,169.3 | 6,179.8 | 261.1 | 247.2 | 268.0 | 254.4 | 4.2 | 4.0 | 4.3 | 4.1 |
| Bloomington-Normal $\qquad$ Champaign-Urbana | 82.7 | 84.6 | 82.7 | 84.6 | 1.8 | 1.5 | 1.9 | 1.6 | 2.2 | 1.8 | 2.3 | 1.9 |
|  | 95.0 | 94.8 | 94.9 | 94.8 | 2.3 | 2.1 | 2.4 | 2.2 | 2.4 | 2.3 | 2.5 | 2.3 |
| Chicago | 4,102.6 | 4,137.4 | 4,115.4 | 4,132.7 | 170.9 | 163.1 | 173.3 | 165.3 | 4.2 | 3.9 | 4.2 | 4.0 |
| Davenport-Moline-Rock Island .......................... | 184.4 | 184.9 | 186.0 | 186.7 | 5.2 | 5.1 | 5.5 | 6.0 | 2.8 | 2.7 | 3.0 | 3.2 |
| Decatur ....................................................... | 58.1 | 57.5 | 58.1 | 57.4 | 3.6 | 2.8 | 3.7 | 2.8 | 6.2 | 4.8 | 6.3 | 4.8 |
| Kankakee ................................................... | 52.0 | 51.9 | 52.0 | 51.9 | 2.5 | 3.0 | 2.6 | 2.9 | 4.8 | 5.8 | 5.0 | 5.6 |
| Peoria-Pekin | 183.0 | 182.4 | 184.7 | 181.7 | 7.0 | 6.0 | 7.2 | 6.2 | 3.8 | 3.3 | 3.9 | 3.4 |
| Rockiord ...... | 195.6 | 194.1 | 195.1 | 192.0 | 7.2 | 7.3 | 7.2 | 7.9 | 3.7 | 3.8 | 3.7 | 4.1 |
| Springfield | 106.7 | 105.6 | 106.5 | 105.5 | 4.0 | 3.8 | 4.2 | 3.8 | 3.8 | 3.6 | 4.0 | 3.6 |
| Indiana | 3,122.2 | 3.115 .2 | 3,115.5 | 3,124.3 | 104.1 | 77.7 | 100.4 | 85.2 | 3.3 | 2.5 | 3.2 | 2.7 |
| Bloomington $\qquad$ <br> Elthart Goshen | 64.3 | 62.8 | 64.0 | 63.2 | 1.3 | 1.2 | 1.3 | 1.3 | 2.1 | 2.0 | 2.0 | 2.1 |
|  | 94.6 | 93.3 | 94.0 | 93.8 | 3.4 | 1.9 | 3.1 | 2.0 | 3.6 | 2.0 | 3.3 | 2.2 |
| Evansville-Henderson .................................... | 158.8 | 156.0 | 158.7 | 156.3 | 6.2 | 4.4 | 5.8 | 4.9 | 3.9 | 2.8 | 3.7 | 3.1 |
| Fort Wayne .....................................................- | 268.4 | 265.0 | 267.8 | 265.3 | 7.3 | 6.0 | 6.7 | 6.4 | 2.7 | 2.3 | 2.5 | 2.4 |
|  | 304.4 | 302.3 | 303.7 | 303.6 | 12.0 | 9.9 | 11.7 | 10.8 | 3.9 | 3.3 | 3.8 | 3.6 |
| Indianapolis ... | 839.8 | 844.8 | 840.5 | 850.1 | 22.7 | 17.6 | 21.4 | 19.4 | 2.7 | 2.1 | 2.5 | 2.3 |
| Kokomo ......... | 51.6 | 53.1 | 52.7 | 53.5 | 1.7 | 1.1 | 1.5 | 1.5 | 3.2 | 2.1 | 2.9 | 2.8 |
| Lafayette. | 91.7 | 92.3 | 92.2 | 92.4 | 2.2 | 1.6 | 2.2 | 1.7 | 2.4 | 1.7 | 2.4 | 1.9 |
| Muncie .... | 63.8 | 62.9 | 64.4 | 63.8 | 2.2 | 1.9 | 2.1 | 2.0 | 3.4 | 3.1 | 3.3 | 3.1 |
| South Bend ............................................................................................. | 137.6 | 137.0 | 137.0 | 137.2 | 4.6 | 3.0 | 4.2 | 3.3 | 3.3 | 2.2 | 3.1 | 2.4 |
|  | 73.8 | 71.3 | 73.6 | 71.3 | 4.1 | 2.5 | 4.0 | 2.8 | 5.5 | 3.5 | 5.4 | 3.9 |
| lowa | 1.579 .5 | 1,571.2 | 1,579.8 | 1,574.1 | 37.0 | 33.5 | 42.5 | 37.7 | 2.3 | 2.1 | 2.7 | 2.4 |
| Cedar Rapids . | 108.9 | 108.3 | 110.1 | 109.9 | 2.0 | 1.6 | 2.2 | 1.7 | 1.8 | 1.5 | 2.0 | 1.5 |
| Des Moines ... | 249.8 | 249.5 | 250.3 | 252.3 | 4.9 | 4.5 | 5.4 | 4.6 | 2.0 | 1.8 | 2.1 | 1.8 |
| Dubuque ....................................................... | 49.6 | 49.1 | 49.7 | 49.5 | 1.3 | 1.2 | 1.4 | 1.3 | 2.7 | 2.4 | 2.9 | 2.6 |
| Iowa City .. Sioux City | 65.6 | 64.5 | 66.2 | 65.6 | 1.4 | 1.3 | 1.5 | 1.3 | 2.1 | 2.1 | 2.2 | 2.1 |
|  | 65.2 | 64.9 | 65.5 | 65.2 | 1.7 | 1.5 | 1.8 | 1.6 | 2.5 | 2.2 | 2.8 | 2.4 |
| Sioux City ......................................................................... | 68.9 | 69.5 | 69.4 | 70.5 | 2.0 | 2.0 | 2.3 | 2.3 | 2.9 | 2.9 | 3.4 | 3.3 |

See footnotes at end of table.

C-3. Labor force status by State and metropolitan area-Continued
(Numbers in thousands)

| State and area | Civilian labor force |  |  |  | Unemployed |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Number |  |  |  | Percent of labor force |  |  |  |
|  | October |  | November |  | October |  | November |  | October |  | November |  |
|  | 1997 | 1998 | 1997 | 1998p | 1997 | 1998 | 1997 | 1998 ${ }^{\text {p }}$ | 1997 | 1998 | 1997 | 1998 ${ }^{\text {P }}$ |
| Kansas | 1,388.0 | 1,431.5 | 1,402.7 | 1,437.3 | 49.3 | 51.3 | 49.5 | 51.4 | 3.6 | 3.6 | 3.5 | 3.6 |
| Lawrence | 54.2 | 57.0 | 55.9 | 57.6 | 2.1 | 2.3 | 2.1 | 2.2 | 3.9 | 4.0 | 3.7 | 3.8 |
| Topeka.. | 89.7 | 90.9 | 90.5 | 90.7 | 4.7 | 4.3 | 4.3 | 3.9 | 5.2 | 4.7 | 4.7 | 4.3 |
| Wichita ......................................................... | 279.6 | 290.1 | 283.1 | 290.9 | 9.0 | 9.7 | 8.7 | 9.7 | 3.2 | 3.4 | 3.1 | 3.3 |
| Kentucky ........................................................ | 1,932.1 | 1,942.0 | 1,948.9 | 1,956.7 | 91.7 | 78.9 | 90.5 | 78.8 | 4.7 | 4.1 | 4.6 | 4.0 |
| Lexington ...................................................... | 258.1 | 262.5 | 260.4 | 263.9 | 6.1 | 5.0 | 5.6 | 5.0 | 2.4 | 1.9 | 2.1 | 1.9 |
| Louisville | 551.5 | 560.3 | 558.5 | 564.9 | 19.6 | 16.5 | 21.6 | 15.5 | 3.6 | 2.9 | 3.9 | 2.7 |
| Owensboro ................................................... | 49.4 | 50.0 | 50.0 | 50.7 | 2.4 | 2.0 | 2.1 | 2.1 | 4.8 | 4.0 | 4.3 | 4.1 |
| Louisiana | 2,042.1 | 2,079.4 | 2,039.6 | 2,059.7 | 116.1 | 101.1 | 110.4 | 99.7 | 5.7 | 4.9 | 5.4 | 4.8 |
| Alexandria ...................................................... | 58.8 | 60.4 | 58.8 | 59.8 | 3.3 | 2.8 | 3.3 | 2.7 | 5.7 | 4.6 | 5.5 | 4.5 |
| Baton Rouge ................................................. | 294.6 | 303.7 | 294.0 | 300.7 | 14.5 | 11.6 | 13.5 | 11.1 | 4.9 | 3.8 | 4.6 | 3.7 |
| Houma ........................................................ | 91.1 | 94.4 | 91.1 | 93.6 | 2.7 | 3.1 | 2.6 | 3.2 | 3.0 | 3.3 | 2.8 | 3.4 |
| Lafayette ...... | 178.7 | 182.9 | 178.3 | 182.0 | 10.3 | 8.8 | 9.5 | 8.7 | 5.8 | 4.8 | 5.3 | 4.8 |
| Lake Charles | 91.3 | 91.6 | 91.2 | 90.8 | 5.2 | 4.6 | 5.2 | 4.8 | 5.7 | 5.0 | 5.7 | 5.2 |
| Monroe | 70.8 | 70.5 | 70.8 | 69.9 | 4.3 | 3.2 | 4.1 | 3.1 | 6.1 | 4.6 | 5.7 | 4.5 |
| New Orleans. | 623.2 | 625.9 | 623.8 | 619.6 | 33.2 | 26.2 | 30.5 | 25.1 | 5.3 | 4.2 | 4.9 | 4.0 |
| Shrevepor-Bossier City ................................... | 187.0 | 190.9 | 186.7 | 188.5 | 11.7 | 9.5 | 11.0 | 9.1 | 6.3 | 5.0 | 5.9 | 4.8 |
| Maine | 657.1 | 660.4 | 652.6 | 660.6 | 29.9 | 24.8 | 34.2 | 28.6 | 4.5 | 3.8 | 5.2 | 4.3 |
| Bangor | 50.7 | 51.3 | 50.4 | 53.0 | 1.8 | 1.2 | 2.0 | 1.5 | 3.6 | 2.4 | 3.9 | 2.8 |
| Lewiston-Aubum ............................................ | 52.6 | 52.7 | 52.8 | 53.2 | 2.6 | 2.0 | 2.8 | 2.2 | 4.9 | 3.9 | 5.3 | 4.1 |
| Portland ........................................................ | 132.2 | 131.8 | 133.4 | 133.5 | 3.5 | 2.7 | 3.7 | 2.8 | 2.6 | 2.1 | 2.7 | 2.1 |
| Maryland ......................................................... | 2,784.1 | 2.792 .7 | 2,791.5 | $2,800.2$ | 137.6 | 113.0 | 134.7 | 116.8 | 4.9 | 4.0 | 4.8 | 4.2 |
| Baitimore ..................................................... | 1,316.7 | 1,318.7 | 1,322.4 | 1,318.7 | 72.8 | 61.1 | 69.2 | 62.4 | 5.5 | 4.6 | 5.2 | 4.7 |
| Cumberland .................................................. | 45.8 | 46.5 | 46.2 | 47.0 | 3.4 | 3.5 | 3.5 | 3.6 | 7.3 | 7.5 | 7.6 | 7.6 |
| Hagerstown | 71.8 | 71.7 | 71.9 | 72.2 | 3.1 | 2.5 | 3.2 | 2.5 | 4.3 | 3.5 | 4.4 | 3.5 |
| Massachusetts ................................................ | 3,263.1 | 3,267.9 | 3,265.8 | 3,270.9 | 111.3 | 94.7 | 113.6 | 84.5 | 3.4 | 2.9 | 3.5 | 2.6 |
| Barnstable-Yarnouth ...................................... | 72.5 | 72.8 | 70.4 | 71.0 | 2.5 | 2.0 | 3.7 | 2.7 | 3.4 | 2.8 | 5.2 | 3.8 |
| Boston | 1,809.2 | 1,820.0 | 1,814.5 | 1,827.1 | 54.5 | 45.1 | 54.0 | 39.3 | 3.0 | 2.5 | 3.0 | 2.2 |
| Brockton | 132.7 | 132.5 | 133.5 | 133.3 | 5.2 | 4.2 | 5.1 | 3.6 | 3.9 | 3.1 | 3.8 | 2.7 |
| Fitchburg-Leominster ....................................... | 70.4 | 69.6 | 70.7 | 69.4 | 3.0 | 2.6 | 3.0 | 2.2 | 4.3 | 3.7 | 4.3 | 3.2 |
| Lawrence ...................................................... | 198.1 | 196.7 | 198.7 | 197.6 | 9.3 | 9.4 | 9.3 | 8.8 | 4.7 | 4.8 | 4.7 | 4.5 |
| Lowell .......................................................... | 165.5 | 166.9 | 165.9 | 167.3 | 5.5 | 5.2 | 5.5 | 4.6 | 3.4 | 3.1 | 3.3 | 2.7 |
| New Bedford .................................................. | 81.5 | 80.7 | 81.8 | 80.9 | 4.9 | 4.4 | 5.1 | 4.0 | 6.1 | 5.5 | 6.3 | 4.9 |
| Pittsfield ...... | 40.2 | 40.1 | 40.0 | 40.1 | 1.7 | 1.3 | 1.8 | 1.3 | 4.2 | 3.4 | 4.4 | 3.3 |
| Springtield. | 284.8 | 284.8 | 286.6 | 285.7 | 10.2 | 9.0 | 10.8 | 8.1 | 3.6 | 3.2 | 3.8 | 2.8 |
| Worcester .................................................... | 250.7 | 249.4 | 251.5 | 250.2 | 7.8 | 7.3 | 8.0 | 6.5 | 3.1 | 2.9 | 3.2 | 2.6 |
| Michigan ... | 5,003.6 | 5,082.3 | 5.016.5 | 5,096.2 | 169.9 | 155.2 | 177.2 | 158.8 | 3.4 | 3.1 | 3.5 | 3.1 |
| Ann Arbor | 293.6 | 300.1 | 295.9 | 300.5 | 5.8 | 5.3 | 5.8 | 5.0 | 2.0 | 1.8 | 2.0 | 1.6 |
| Benton Hamor | 84.2 | 84.3 | 84.6 | 84.8 | 3.7 | 3.0 | 3.7 | 3.2 | 4.4 | 3.6 | 4.4 | 3.7 |
| Detroit | 2,234.8 | 2,275.2 | 2,243.4 | 2,287.0 | 73.3 | 68.7 | 71.7 | 64.7 | 3.3 | 3.0 | 3.2 | 2.8 |
| Flint ............................................................. | 204.3 | 204.3 | 205.1 | 205.0 | 9.5 | 8.8 | 9.4 | 8.3 | 4.7 | 4.3 | 4.6 | 4.1 |
| Grand Rapids-Muskegon-Holland ...................... | 589.4 | 605.2 | 590.1 | 607.2 | 16.6 | 14.9 | 17.0 | 15.2 | 2.8 | 2.5 | 2.9 | 2.5 |
| Jackson ...................................................... | 76.9 | 77.5 | 77.1 | 77.7 | 3.1 | 2.3 | 3.0 | 2.2 | 4.1 | 3.0 | 3.9 | 2.8 |
| Kalamazoo-Battle Creek .................................. | 232.7 | 233.8 | 233.2 | 234.1 | 7.5 | 6.4 | 7.9 | 6.3 | 3.2 | 2.7 | 3.4 | 2.7 |
| Lansing-East Lansing ..................................... | 245.1 | 245.5 | 246.7 | 246.6 | 6.3 | 5.1 | 6.3 | 5.1 | 2.6 | 2.1 | 2.6 | 2.1 |
| Saginaw-Bay City-Midland ............................... | 201.9 | 204.8 | 202.2 | 204.9 | 7.0 | 6.5 | 7.4 | 7.1 | 3.5 | 3.2 | 3.6 | 3.5 |
| Minnesota ...................................................... | 2,670.8 | 2,712.3 | 2,671.9 | 2,714.8 | 72.4 | 50.4 | 67.3 | 53.5 | 2.7 | 1.9 | 2.5 | 2.0 |
| Duluth-Superior .............................................. | 124.2 | 125.3 | 124.7 | 125.7 | 5.2 | 3.6 | 5.2 | 4.1 | 4.2 | 2.9 | 4.2 | 3.2 |
| Minneapolis-St.Paul ........................................ | 1,663.4 | 1,700.7 | 1,671.6 | 1,709.9 | 38.4 | 26.9 | 32.6 | 26.2 | 2.3 | 1.6 | 2.0 | 1.5 |
| Rochester ..................................................... | 67.5 | 69.3 | 67.4 | 69.3 | 1.2 | 0.8 | 1.0 | 0.8 | 1.8 | 1.2 | 1.5 | 1.2 |
| St. Cloud ......................................................... | 94.0 | 93.8 | 94.1 | 94.3 | 2.8 | 1.9 | 2.7 | 2.0 | 2.9 | 2.0 | 2.8 | 2.1 |
| Mississippi ...................................................... | 1,274.7 | 1,283.0 | 1,279.1 | 1,284.0 | 69.6 | 60.6 | 60.6 | 53.2 | 5.5 | 4.7 | 4.7 | 4.1 |
| Biloxi-Gulfport-Pascagoula ............................... | 161.8 | 164.9 | 162.5 | 164.9 | 7.6 | 6.6 | 6.6 | 5.3 | 4.7 | 4.0 | 4.0 | 3.2 |
| Hattiesburg .................................................. | 52.4 | 51.9 | 52.8 | 51.9 | 1.6 | 1.6 | 1.4 | 1.3 | 3.1 | 3.1 | 2.6 | 2.5 |
| Jackson ....................................................... | 225.8 | 232.2 | 227.9 | 232.1 | 8.0 | 7.6 | 6.8 | 6.4 | 3.6 | 3.3 | 3.0 | 2.8 |
| Missouri .......................................................... | 2,888.0 | 2,903.3 | 2,889.9 | 2,897.8 | 103.7 | 93.2 | 107.5 | 96.7 | 3.6 | 3.2 | 3.7 | 3.3 |
| Columbia ..................................................... | 80.3 | 78.6 | 79.9 | 78.1 | 1.0 | 1.0 | 1.1 | 1.1 | 1.3 | 1.2 | 1.3 | 1.4 |
| Joplin .......................................................... | 79.6 | 79.7 | 78.7 | 78.3 | 3.0 | 3.3 | 2.9 | 3.1 | 3.7 | 4.1 | 3.7 | 3.9 |
| Kansas City | 967.3 | 998.9 | 976.5 | 998.8 | 32.6 | 31.2 | 32.6 | 31.6 | 3.4 | 3.1 | 3.3 | 3.2 |
| St. Joseph ..................................................... | 48.9 | 49.6 | 49.1 | 49.7 | 2.4 | 1.9 | 2.3 | 1.9 | 4.8 | 3.9 | 4.6 | 3.9 |
| St. Louis LMA ............................................... | 1,343.4 | 1,353.1 | 1,345.9 | 1,360.0 | 49.8 | 47.9 | 51.0 | 48.2 | 3.7 | 3.5 | 3.8 | 3.5 |
| Springfield ..................................................... | 169.0 | 171.6 | 170.1 | 171.7 | 4.6 | 3.9 | 5.1 | 4.2 | 2.7 | 2.3 | 3.0 | 2.5 |
| Montana ......................................................... | 455.4 | 463.6 | 455.2 | 464.9 | 21.8 | 22.6 | 24.1 | 25.8 | 4.8 | 4.9 | 5.3 | 5.6 |
| Billings .......................................................... | 68.6 | 70.2 | 69.2 | 70.4 | 2.7 | 2.5 | 2.8 | 2.7 | 4.0 | 3.5 | 4.1 | 3.8 |
| Great Falls .................................................... | 37.8 | 37.3 | 38.1 | 37.5 | 1.8 | 1.9 | 2.1 | 2.2 | 4.7 | 5.1 | 5.4 | 5.7 |

See footnotes at end of table.

C-3. Labor force status by State and metropolitan area-Continued
(Numbers in thousands)

| State and area | Civilian labor force |  |  |  | Unemployed |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Number |  |  |  | Percent of labor force |  |  |  |
|  | October |  | November |  | October |  | November |  | October |  | November |  |
|  | 1997 | 1998 | 1997 | $1998{ }^{\circ}$ | 1997 | 1998 | 1997 | 1998 ${ }^{\text {p }}$ | 1997 | 1998 | 1997 | $1998{ }^{\text {P }}$ |
| Oklahoma $\qquad$ <br> Enid $\qquad$ <br> Lawton $\qquad$ <br> Okiahoma City $\qquad$ <br> Tulsa $\qquad$ | 1,614.9 | 1,648.8 | 1,611.6 | 1,643.6 | 62.0 | 70.1 | 56.0 | 63.6 | 3.8 | 4.3 | 3.5 | 3.9 |
|  | 28.5 | 28.9 | 28.4 | 28.7 | 0.9 | 1.0 | 0.8 | 0.9 | 3.1 | 3.5 | 2.8 | 3.2 |
|  | 40.7 | 41.2 | 40.3 | 40.8 | 2.0 | 2.0 | 1.7 | 1.8 | 5.0 | 4.9 | 4.2 | 4.3 |
|  | 534.0 | 546.1 | 532.6 | 545.4 | 17.1 | 19.1 | 15.2 | 16.6 | 3.2 | 3.5 | 2.9 | 3.0 |
|  | 406.3 | 418.6 | 406.4 | 420.0 | 13.1 | 13.5 | 11.6 | 12.7 | 3.2 | 3.2 | 2.9 | 3.0 |
| Oregon $\qquad$ <br> Eugene-Springtield $\qquad$ <br> Medtord-Ashland $\qquad$ <br> Portand-Vancouver $\qquad$ <br> Salem $\qquad$ | 1,764.7 | 1,804.4 | 1,767.8 | 1,805.4 | 85.3 | 89.8 | 92.1 | 97.6 | 4.8 | 5.0 | 5.2 | 5.4 |
|  | 161.4 | 163.0 | 162.0 | 163.4 | 7.9 | 8.0 | 8.3 | 8.4 | 4.9 | 4.9 | 5.1 | 5.1 |
|  | 88.5 | 91.7 | 89.0 | 90.9 | 5.0 | 5.2 | 5.4 | 5.5 | 5.6 | 5.7 | 6.1 | 6.1 |
|  | 1,042.1 | 1,070.5 | 1,052.2 | 1,079.4 | 39.6 | 45.0 | 40.7 | 46.1 | 3.8 | 4.2 | 3.9 | 4.3 |
|  | 167.9 | 170.5 | 166.2 | 168.1 | 7.8 | 8.1 | 8.6 | 9.3 | 4.7 | 4.8 | 5.2 | 5.5 |
| Pennsylvania $\qquad$ <br> Allentown-Bethlehem-Easton $\qquad$ <br> Altoona $\qquad$ <br> Erie $\qquad$ | 6,006.1 | 5,955.0 | 6,014.8 | 5,964.5 | 269.2 | 248.2 | 275.6 | 257.7 | 4.5 | 4.2 | 4.6 | 4.3 |
|  | 311.3 | 305.4 | 310.0 | 306.0 | 14.1 | 13.6 | 13.3 | 13.6 | 4.5 | 4.5 | 4.3 | 4.4 |
|  | 63.3 | 63.3 | 63.6 | 63.2 | 3.1 | 2.7 | 3.2 | 2.8 | 4.8 | 4.2 | 5.0 | 4.4 |
|  | 140.9 | 139.1 | 141.0 | 139.6 | 6.7 | 6.0 | 7.2 | 6.5 | 4.8 | 4.3 | 5.1 | 4.7 |
| Erie $\qquad$ Harrisburg-Lebanon-Carlisle | 352.1 | 349.8 | 351.1 | 350.2 | 10.3 | 9.3 | 10.2 | 9.5 | 2.9 | 2.7 | 2.9 | 2.7 |
| Johnstown .......................................................... | 105.1 | 103.7 | 105.9 | 104.3 | 6.6 | 5.3 | 7.4 | 5.9 | 6.3 | 5.1 | 7.0 | 5.7 |
| Lancaster ..................................................... | 247.9 | 246.3 | 246.9 | 246.4 | 6.9 | 6.4 | 7.0 | 6.6 | 2.8 | 2.6 | 2.8 | 2.7 |
|  | 2,502.8 | 2,496.3 | 2,510.0 | 2,495.3 | 112.9 | 102.2 | 110.8 | 99.5 | 4.5 | 4.1 | 4.4 | 4.0 |
|  | 1,155.5 | 1,141.5 | 1,160.0 | 1,145.8 | 46.6 | 46.1 | 49.4 | 49.5 | 4.0 | 4.0 | 4.3 | 4.3 |
| Reading $\qquad$ <br> Scranton-Wilkes-Barre-Hazleton $\qquad$ | 187.5 | 184.3 | 187.0 | 183.3 | 7.0 | 7.3 | 7.0 | 7.4 | 3.7 | 3.9 | 3.7 | 4.0 |
|  | 314.4 | 312.1 | 315.8 | 314.0 | 19.6 | 16.4 | 20.3 | 17.4 | 6.2 | 5.3 | 6.4 | 5.6 |
| Scranton-Wilkes-Barre-Hazleton $\qquad$ Sharon $\qquad$ | 56.7 | 56.5 | 57.1 | 56.6 | 2.0 | 2.0 | 2.1 | 2.0 | 3.6 | 3.6 | 3.6 | 3.6 |
| State College ................................................ | 69.1 | 69.0 | 69.4 | 69.2 | 1.6 | 1.6 | 1.7 | 1.8 | 2.3 | 2.4 | 2.4 | 2.6 |
| Williamsport ....................................................................................................... | 58.8 | 57.6 | 58.5 | 57.9 | 3.6 | 2.6 | 3.6 | 3.0 | 6.2 | 4.6 | 6.2 | 5.1 |
|  | 195.8 | 193.2 | 195.9 | 192.8 | 6.6 | 6.5 | 6.8 | 6.5 | 3.3 | 3.3 | 3.5 | 3.3 |
| Rhode island | 511.5 | 506.2 | 510.5 | 506.6 | 25.9 | 25.9 | 22.8 | 22.3 | 5.1 | 5.1 | 4.5 | 4.4 |
| Providence-Fall River-Warwick | 583.3 | 576.2 | 582.9 | 577.9 | 29.8 | 28.3 | 26.6 | 24.5 | 5.1 | 4.9 | 4.6 | 4.2 |
| South Carolina | 1,908.2 | 1,945.1 | 1,893.7 | 1,944.1 | 73.0 | 74.4 | 61.6 | 66.6 | 3.8 | 3.8 | 3.3 | 3.4 |
| Chareston-North Charleston ........................................................ | 253.9 | 265.2 | 253.3 | 265.2 | 8.2 | 7.7 | 6.7 | 6.5 | 3.2 | 2.9 | 2.6 | 2.5 |
| Columbia .................................................... | 270.6 | 279.1 | 270.3 | 280.0 | 6.2 | 5.7 | 5.2 | 5.1 | 2.3 | 2.1 | 1.9 | 1.8 |
| Florence ..................................................... | 63.0 | 62.9 | 62.3 | 62.5 | 2.9 | 2.9 | 2.4 | 2.5 | 4.6 | 4.6 | 3.9 | 4.0 |
| Greenville-Spartanburg-Anderson ...................... | 483.2 | 496.7 | 481.3 | 498.0 | 12.5 | 14.4 | 10.0 | 12.5 | 2.6 | 2.9 | 2.1 | 2.5 |
|  | 97.3 | 100.3 | 94.4 | 98.6 | 3.4 | 3.3 | 3.9 | 3.9 | 3.5 | 3.3 | 4.2 | 4.0 |
| Myrte Beach $\qquad$ <br> Sumter $\qquad$ | 46.7 | 47.0 | 46.2 | 46.9 | 2.2 | 2.3 | 1.8 | 2.0 | 4.7 | 4.8 | 4.0 | 4.2 |
| South Dakota | 394.5 | 402.7 | 394.8 | 403.2 | 9.0 | 8.0 | 10.5 | 10.0 | 2.3 | 2.0 | 2.6 | 2.5 |
| Rapid City $\qquad$ <br> Sioux Falls | 46.0 | 47.3 | 46.1 | 46.9 | 1.2 | 0.9 | 1.3 | 1.1 | 2.5 | 1.9 | 2.8 | 2.4 |
|  | 98.8 | 104.4 | 100.4 | 104.6 | 1.4 | 1.3 | 1.6 | 1.4 | 1.5 | 1.2 | 1.6 | 1.4 |
| Tennessee | 2,759.4 | 2,815.5 | 2,786.3 | 2,816.9 | 135.3 | 106.8 | 136.7 | 105.0 | 4.9 | 3.8 | 4.9 | 3.7 |
| Chattanooga | 226.6 | 229.6 | 229.3 | 229.9 | 10.5 | 7.9 | 10.9 | 7.4 | 4.6 | 3.4 | 4.8 | 3.2 |
| Clarkvville-Hopkinsville .................................. | 82.2 | 84.2 | 83.1 | 84.6 | 4.0 | 3.1 | 3.7 | 2.6 | 4.9 | 3.6 | 4.5 | 3.1 |
|  | 56.4 | 57.8 | 57.0 | 57.6 | 2.2 | 1.9 | 2.2 | 1.8 | 4.0 | 3.2 | 3.9 | 3.2 |
| Johnson City-Kingsport-Bristol .............................. | 231.3 | 233.4 | 233.8 | 233.5 | 10.7 | 9.0 | 10.7 | 8.6 | 4.6 | 3.9 | 4.6 | 3.7 |
| Knoxville ....................................................... | 342.1 | 349.0 | 346.4 | 347.8 | 12.3 | 11.5 | 13.9 | 11.7 | 3.6 | 3.3 | 4.0 | 3.4 |
| Memphis ................................................................. | 543.2 | 557.8 | 546.6 | 558.2 | 25.8 | 18.5 | 24.2 | 17.6 | 4.7 | 3.3 | 4.4 | 3.2 |
| Nashville ...................................................... | 634.0 | 652.7 | 641.3 | 654.6 | 21.6 | 17.9 | 20.7 | 16.6 | 3.4 | 2.7 | 3.2 | 2.5 |
| Texas | 9,960.4 | 10,241.5 | 9,997.9 | 10,218.3 | 479.9 | 469.5 | 489.6 | 460.0 | 4.8 | 4.6 | 4.9 | 4.5 |
| Abilene. | 60.4 | 62.8 | 60.7 | 62.4 | 2.0 | 2.2 | 2.1 | 2.1 | 3.4 | 3.5 | 3.5 | 3.4 |
| Amarilo ................................................ | 110.6 | 112.8 | 110.8 | 112.3 | 3.7 | 3.7 | 3.7 | 3.5 | 3.3 | 3.2 | 3.3 | 3.1 |
| Austin-San Marcos ...................................... | 660.8 | 685.2 | 662.9 | 684.5 | 18.5 | 17.5 | 18.8 | 16.8 | 2.8 | 2.6 | 2.8 | 2.4 |
| Beaumont-Por Arthur ....................................................................................................... | 181.4 | 184.1 | 182.1 | 184.1 | 13.4 | 13.0 | 13.7 | 13.0 | 7.4 | 7.1 | 7.5 | 7.0 |
| Brazoria ........................................................................ | 105.8 | 106.7 | 106.1 | 106.6 | 6.7 | 5.9 | 6.9 | 6.0 | 6.4 | 5.6 | 6.5 | 5.6 |
|  | 125.7 | 128.5 | 127.3 | 126.7 | 14.5 | 15.0 | 15.8 | 14.3 | 11.6 | 11.7 | 12.4 | 11.3 |
| Bryan-College Station .................................... | 73.0 | 74.3 | 73.0 | 74.1 | 1.3 | 1.3 | 1.3 | 1.2 | 1.7 | 1.7 | 1.8 | 1.7 |
| Corpus Christi ...................................................................... | 176.4 | 178.4 | 176.0 | 176.9 | 11.6 | 12.0 | 11.4 | 11.4 | 6.6 | 6.7 | 6.5 | 6.4 |
| Dallas ....................................................... | 1,841.5 | 1,900.6 | 1.849.8 | 1,893.4 | 62.7 | 57.7 | 62.9 | 55.6 | 3.4 | 3.0 | 3.4 | 2.9 |
| El Paso ........................................................... | 294.7 | 301.2 | 292.0 | 299.4 | 32.0 | 30.1 | 29.2 | 29.2 | 10.9 | 10.0 | 10.0 | 9.8 |
| Fort Worth-Arlington ..................................... | 853.4 | 881.7 | 858.6 | 882.0 | 27.6 | 27.3 | 28.1 | 26.0 | 3.2 | 3.1 | 3.3 | 3.0 |
|  | 125.2 | 125.8 | 124.5 | 125.3 | 9.0 | 7.7 | 9.0 | 7.5 | 7.2 | 6.1 | 7.2 | 6.0 |
| Houston ............................................................................. | 2,069.9 | 2,123.5 | 2,075.4 | 2,120.0 | 91.5 | 81.8 | 91.7 | 80.5 | 4.4 | 3.9 | 4.4 | 3.8 |
| Killeen-Temple | 114.3 | 117.8 | 114.7 | 117.3 | 5.5 | 4.8 | 5.6 | 4.4 | 4.8 | 4.0 | 4.8 | 3.8 |
| Laredo ........... | 70.1 | 71.9 | 70.8 | 72.0 | 6.1 | 6.6 | 6.5 | 6.5 | 8.8 | 9.2 | 9.2 | 9.0 |
| Longview-Marshall | 104.1 | 106.4 | 104.3 | 106.1 | 7.1 | 7.7 | 7.3 | 7.7 | 6.8 | 7.3 | 7.0 | 7.2 |
| Lubbock ............. | 124.1 | 127.0 | 124.4 | 127.0 | 4.2 | 3.3 | 4.3 | 3.1 | 3.4 | 2.6 | 3.5 | 2.5 |
| McAllen-Edinburg-Mission ............................... | 187.7 | 192.7 | 196.6 | 195.3 | 30.2 | 32.0 | 35.4 | 33.5 | 16.1 | 16.6 | 18.0 | 17.2 |
| Odessa-Midland .......................................... | 124.8 | 129.6 | 125.5 | 129.2 | 5.3 | 7.7 | 5.3 | 7.7 | 4.3 | 5.9 | 4.2 | 6.0 |
| San Angelo | 51.4 | 53.0 | 51.7 | 52.8 | 1.6 | 2.8 | 1.6 | 2.6 | 3.0 | 5.3 | 3.0 | 4.9 |
| San Antonio | 751.1 | 775.5 | 752.9 | 773.4 | 28.2 | 26.0 | 28.8 | 24.5 | 3.8 | 3.4 | 3.8 | 3.2 |
| Sherman-Denison ........................................ | 50.2 | 52.0 | 50.1 | 51.2 | 1.9 | 2.8 | 1.9 | 2.6 | 3.8 | 5.4 | 3.7 | 5.1 |

See footnotes at end of table

D-1. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted
(Numbers in thousands)

| Employment status, sex, and age | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | N | 1 | II | III | N | 1 | 11 | III | IV | 1 | 11 | 111 | N |
| total |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 199,352 | 199,776 | 200,280 | 200,850 | 201,457 | 202,396 | 202,835 | 203,367 | 203,936 | 204,395 | 204,905 | 205,483 | 206,098 |
| Civilian labor force | 132,606 | 132,958 | 133,612 | 134,244 | 134,951 | 135,704 | 136,136 | 136,494 | 136,807 | 137,337 | 137,366 | 137.656 | 138,285 |
| Percent of population | 66.5 | 66.6 | 66.7 | 66.8 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.2 | 67.0 | 67.0 | 67.1 |
| Employed. | 125,208 | 125,593 | 126,296 | 127,169 | 127,783 | 128,612 | 129,355 | 129,855 | 130,413 | 130,957 | 131,288 | 131,419 | 2,166 |
| Employment-population ratio ${ }^{2}$ | 62.8 | 62.9 | 63.1 | 63.3 | 63.4 | 63.5 | 63.8 | 63.9 | 63.9 | 64.1 | 64.1 | 64.0 | 64.1 |
| Unemployed | 7,399 | 7,366 | 7,316 | 7,075 | 7,168 | 7,092 | 6,781 | 6,639 | 6,394 | 6,380 | 6,079 | 6,237 | 6,120 |
| Unemployment rate | 5.6 | 5.5 | 5.5 | 5.3 | 5.3 | 5.2 | 5.0 | 4.9 | 4.7 | 4.6 | 4.4 | 4.5 | 4.4 |
| Men, 16 years and over Civilian noninstitutional population ${ }^{1}$ | 95,578 | 95,787 | 96,048 | 96,337 | 96,651 | 97,324 | 97,560 | 97,839 | 98,139 | 98,326 | 98,595 | 98,894 | 99.216 |
| Civilian labor force | 71,332 | 71,672 | 72,020 | 72,228 | 72,407 | 73,013 | 73,178 | 73,300 | 73,520 | 73,704 | 73,794 | 73,982 | 74.324 |
| Percent of population | 74.6 | 74.8 | 75.0 | 75.0 | 74.9 | 75.0 | 75.0 | 74.9 | 74.9 | 75.0 | 74.8 | 74.8 | 74.9 |
| Employea . | 67,343 | 67,665 | 68,044 | 68,457 | 68,676 | 69,237 | 69,599 | 69,814 | 70,097 | 70,364 | 70,630 | 70,658 | 71.104 |
| Employment-population ratio ${ }^{2}$ | 70.5 | 70.6 | 70.8 | 71.1 | 71.1 | 71.1 | 71.3 | 71.4 | 71.4 | 71.6 | 71.6 | 71.4 | 71.7 |
| Agriculture | 2,496 | 2,608 | 2,541 | 2,559 | 2,587 | 2,582 | 2,624 | 2,523 | 2,479 | 2,446 | 2,548 | 2,621 | 2,575 |
| Nonagricultural indus | 64,848 | 65,057 | 65,503 | 65,898 | 66,089 | 66,655 | 66,975 | 67,291 | 67,618 | 67,918 | 68,082 | 68,036 | 68.528 |
| Unemployed | 3,988 | 4,007 | 3,976 | 3,771 | 3,732 | 3,775 | 3,579 | 3,486 | 3,423 | 3,339 | 3,164 | 3,324 | 3,220 |
| Unemployment | 5.6 | 5.6 | 5.5 | 5.2 | 5.2 | 5.2 | 4.9 | 4.8 | 4.7 | 4.5 | 4.3 | 4.5 | 4.3 |
| Not in labor force | 24,246 | 24,116 | 24,028 | 24,109 | 24,243 | 24,311 | 24,382 | 24,539 | 24,619 | 24,622 | 24,802 | 24,913 | 24,892 |
| Men, 20 years and over | 88,082 | 88,295 | 88,513 | 88,666 | 88,950 | 89,536 | 89,758 | 89,979 | 90,244 | 90,456 | 90,634 | 90,898 | 91,171 |
| Civilian labor force | 67,300 | 67,656 | 67,948 | 68,171 | 68,379 | 68,910 | 69,088 | 69,235 | 69,388 | 69,517 | 69,605 | 69,708 | 70,002 |
| Percent of population | 76.4 | 76.6 | 76.8 | 76.9 | 76.9 | 77.0 | 77.0 | 76.9 | 76.9 | 76.9 | 76.8 | 76.7 | 76.8 |
| Employed | 64,076 | 64,387 | 64,695 | 65,139 | 65,382 | 65,866 | 66,216 | 66,454 | 66,599 | 66,863 | 67,084 | 67,086 | 67,496 |
| Employment- | 72.7 | 72.9 | 73.1 | 73.5 | 73.5 | 73.6 | 73.8 | 73.9 | 73.8 | 73.9 | 74.0 | 73.8 | 74.0 |
| Agriculture | 2,290 | 2,398 | 2,314 | 2,341 | 2,377 | 2,364 | 2.410 | 2,345 | 2,301 | 2,265 | 2,364 | 2,401 | 2,353 |
| Nonagncultural ind | 61,786 | 61,989 | 62,381 | 62,798 | 63,005 | 63,502 | 63,806 | 64,109 | 64,298 | 64,598 | 64,720 | 64,685 | 65.143 |
| Unempioyed | 3,225 | 3,269 | 3,253 | 3,032 | 2,997 | 3,043 | 2,871 | 2,781 | 2,789 | 2,655 | 2,521 | 2,622 | 2.506 |
| Unempioyment rate | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | 4.2 | 4.0 | 4.0 | 3.8 | 3.6 | 3.8 | 3.6 |
| Not in labor force | 20,781 | 20,639 | 20,565 | 20,495 | 20,572 | 20,626 | 20,670 | 20,744 | 20,855 | 20,939 | 21,029 | 21,189 | 21,169 |
| Women, 16 years and over <br> Civilian noninstitutional population | 103,774 | 103,988 | 104,232 | 104,512 | 104,807 | 105,072 | 105,275 | 105,528 | 105,797 | 106,069 | 106,310 | 106,588 |  |
| Civilian labor fo | 61,275 | 61,286 | 61,592 | 62,016 | 62,544 | 62,691 | 62,958 | 63,194 | 63,287 | 63,634 | 63,573 | 63,675 | 63,962 |
| Percent of pop | 59.0 | 58.9 | 59.1 | 59.3 | 59.7 | 59.7 | 59.8 | 59.9 | 59.8 | 60.0 | 59.8 | 59.7 | 59.8 |
| Employed | 57,864 | 57,927 | 58,253 | 58,712 | 59,107 | 59,374 | 59,756 | 60,041 | 60,316 | 60,593 | 60,658 | 60,762 | 61,062 |
| Employment-population ratio ${ }^{2}$ | 55.8 | 55.7 | 55.9 | 56.2 | 56.4 | 56.5 | 56.8 | 56.9 | 57.0 | 57.1 | 57.1 | 57.0 | 57.1 |
| Agriculture | 877 | 899 | 899 | 866 | 823 | 826 | 823 | 865 | 870 | 839 | 817 | 840 | 801 |
| Nonagricultural industries | 56,987 | 57,029 | 57,354 | 57,846 | 58,284 | 58,548 | 58,933 | 59,176 | 59,445 | 59,754 | 59,841 | 59,921 | 60,261 |
| Unemployed | 3,410 | 3,359 | 3,340 | 3,304 | 3,437 | 3,317 | 3,202 | 3,153 | 2,971 | 3,041 | 2,915 | 2,913 | 2.900 |
| Unemployment rate | 5.6 | 5.5 | 5.4 | 5.3 | 5.5 | 5.3 | 5.1 | 5.0 | 4.7 | 4.8 | 4.6 | 4.6 | 4.5 |
| Not in labor force | 42,499 | 42,702 | 42,640 | 42,497 | 42,263 | 42,381 | 42,317 | 42,333 | 42,510 | 42,436 | 42,737 | 42,913 | 42,920 |
| Women, 20 years and over Civilian noninstitutional population ${ }^{1}$ | 96,558 | 96,757 | 96,927 | 97,145 | 97,371 | 97,577 | 97,762 | 98,000 | 98,219 | 98,475 | 98,662 | 98,891 | 99,118 |
| Civilian labor torce | 57,535 | 57,595 | 57,878 | 58,250 | 58,655 | 58,835 | 59,122 | 59,371 | 59,450 | 59,625 | 59,578 | 59,659 | 59,933 |
| Percent of population | 59.6 | 59.5 | 59.7 | 60.0 | 60.2 | 60.3 | 60.5 | 60.6 | 60.5 | 60.5 | 60.4 | 60.3 | 60.5 |
| Employed. | 54,730 | 54,830 | 55,108 | 55,492 | 55,801 | 56,133 | 56,486 | 56,802 | 57,021 | 57,095 | 57.181 | 57,266 | 57.562 |
| Employment-population ratio ${ }^{2}$ | 56.7 | 56.7 | 56.9 | 57.1 | 57.3 | 57.5 | 57.8 <br> 77 | 58.0 | 58.1 | 58.0 | 58.0 | 57.9 | 58.1 |
| Agriculture | 817 | 847 | 856 | 824 | 778 | 774 | 777 | 816 | 823 | 779 | 752 | 785 | 753 |
| Nonagricultural industries ... | 53,913 | 53,982 | 54,252 | 54,668 | 55,023 | 55,359 | 55,709 | 55,985 | 56, 198 | 56,315 | 56,429 | 56,482 | 56,809 |
| Unemployed | 2,804 | 2,766 | 2,771 | 2,758 | 2,855 | 2,702 | 2,636 | 2,569 | 2,429 | 2,530 | 2,398 | 2,393 | 2,372 |
| Unemployment rate | 4.9 | 4.8 |  |  | 4.9 | 4.6 | 4.5 | 4.3 | 4.1 | 4.2 | 4.0 | 4.0 | 4.0 |
| Not in labor force ......... | 39,024 | 39,162 | 39,049 | 38,896 | 38,716 | 38,741 | 38,640 | 38,630 | 38,768 | 38,850 | 39,084 | 39,232 | 39,184 |
| Both sexes, $\mathbf{1 6}$ to 19 years Civilian noninstitutional population | 14,712 | 14,723 | 14,839 | 15,038 | 15,136 | 15,283 | 15,315 | 15,387 | 15,473 | 15,464 | 15,609 | 15,694 | 15,809 |
| Civilian labo | 7,771 | 7,707 | 7,785 | 7,823 | 7,917 | 7,959 | 7,927 | 7,888 | 7,968 | 8,195 | 8,183 | 8,289 | 8,350 |
| Percent of populatio | 52.8 | 52.3 | 52.5 | 52.0 | 52.3 | 52.1 | 51.8 | 51.3 | 51.5 | 53.0 | 52.4 | 52.8 | 52.8 |
| Employed | 6.402 | 6,376 | 6,493 | 6,538 | 6,601 | 6,612 | 6,652 | 6,600 | 6,793 | 7.000 | 7,023 | 7,067 | 7.108 |
| Employment-population ratio ${ }^{2}$ | 43.5 | 43.3 | 43.8 | 43.5 | 43.6 | 43.3 | 43.4 | 42.9 | 43.9 | 45.3 | 45.0 | 45.0 | 45.0 |
| Agriculture | 266 | 262 | 270 | 260 | 255 | 271 | 260 | 227 | 226 | 241 | 249 | 276 | 270 |
| Nonagricultural industries | 6,135 | 6,115 | 6,223 | 6,279 | 6,346 | 6,342 | 6,392 | 6,373 | 6,567 | 6,759 | 6,774 | 6,791 | 6,838 |
| Unemployed | 1,370 | 1,331 | 1,292 | 1,285 | 1,317 | 1,346 | 1,274 | 1,289 | 1,176 | 1,195 | 1,160 | 1,222 | 1,242 |
| Unemployment rate | 17.6 | 17.3 | 16.6 | 16.4 | ${ }^{16.6}$ | 16.9 | 16.1 | 16.3 | 14.8 | 14.6 | 14.2 | 14.7 | 14.9 |
| Not in labor force .......... | 6,940 | 7,016 | 7,054 | 7,215 | 7,219 | 7,325 | 7,389 | 7,499 | 7,505 | 7,268 | 7,426 | 7,405 | 7,458 |

1 The population figures are not adjusted for seasonal variation.
2 Employment as a percent of the civilian noninstitutional population.
NOTE: Detail for the seasonally adjusted data shown in tables D-1 through D-11 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Beginning in January 1998, data reflect new
composite estimation procedures and revised population controls used in the household survey. Seasonally adjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

D-2. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted - Continued
(Numbers in thousands)

| Employment status, race, sex, age, and Hispanic origin | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | 11 | III | IV | 1 | If | III | IV | 1 | II | III | IV |
| BLACK-Continued Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian labor force | 956 | 891 | 942 | 929 | 928 | 973 | 907 | 909 | 946 | 969 | 1,011 | 1,037 | 1,050 |
| Percent of population ...................... | 41.0 | 38.5 | 40.3 | 39.0 | 38.9 | 40.4 | 37.6 | 37.7 | 39.1 | 40.0 | 41.4 | 42.3 | 42.7 |
| Employed ...................................... | 641 | 601 | 640 | 604 | 610 | 651 | 602 | 630 | 642 | 678 | 751 | 740 | 775 |
| Employment-population ratio ${ }^{2}$......... | 27.5 | 26.0 | 27.3 | 25.3 | 25.5 | 27.1 | 24.9 | 26.1 | 26.6 | 28.0 | 30.8 | 30.2 | 31.5 |
| Unemployed .................................. | 315 | 290 | 303 | 325 | 318 | 321 | 305 | 279 | 303 | 291 | 260 | 297 | 275 |
| Unemployment rate ....................... | 33.0 | 32.6 | 32.1 | 35.0 | 34.3 | 33.0 | 33.6 | 30.7 | 32.1 | 30.0 | 25.7 | 28.7 | 26.2 |
| Men. | 35.2 | 34.4 | 34.6 | 39.6 | 38.6 | 39.3 | 38.3 | 35.1 | 32.7 | 31.4 | 26.3 | 30.9 | 31.6 |
| Women | 30.8 | 30.8 | 29.6 | 30.2 | 30.2 | 27.3 | 28.9 | 26.9 | 31.5 | 28.8 | 25.2 | 26.5 | 21.1 |
| HISPANIC ORIGIN |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$........ | 18,845 | 18,977 | 19,132 | 19,292 | 19,452 | 20,067 | 20,236 | 20,408 | 20,574 | 20,797 | 20,975 | 21,160 | 21,347 |
| Civilian labor force ............................ | 12,411 | 12,539 | 12,569 | 12,825 | 13,153 | 13,662 | 13,672 | 13,878 | 13,961 | 14,140 | 14,347 | 14,347 | 14,438 |
| Percent of population ...................... | 65.9 | 66.1 | 65.7 | 66.5 | 67.6 | 68.1 | 67.6 | 68.0 | 67.9 | 68.0 | 68.4 | 67.8 | 67.6 |
| Employed ...................................... | 11.241 | 11,345 | 11,399 | 11,718 | 12,099 | 12,536 | 12,602 | 12,838 | 12,929 | 13,155 | 13,340 | 13,299 | 13,370 |
| Employment-population ratio ${ }^{2}$.......... | 59.7 | 59.8 | 59.6 | 60.7 | 62.2 | 62.5 | 62.3 | 62.9 | 62.8 | 63.3 | 63.6 | 62.8 | 62.6 |
| Unemployed .................................. | 1,170 | 1,193 | 1,170 | 1,108 | 1,054 | 1,126 | 1,071 | 1,040 | 1,032 | 984 | 1,007 | 1,048 | 1,068 |
| Unemployment rate ....................... | 9.4 | 9.5 | 9.3 | 8.6 | 8.0 | 8.2 | 7.8 | 7.5 | 7.4 | 7.0 | 7.0 | 7.3 | 7.4 |

1 The population figures are not adjusted for seasonal variation.
2 Employment as a percent of the civilian noninstitutional population.
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. Beginning in January

1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Seasonally adjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

D-3. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, seasonally adjusted (Numbers in thousands)

| Educational attainment | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | II | III | IV | 1 | II | III | IV | 1 | 11 | III | IV |
| Less than a high school diploma |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 29,952 | 30,482 | 30,538 | 29,787 | 29,859 | 30,269 | 30,069 | 29,318 | 29,372 | 29,487 | 29,878 | 29,174 | 28,964 |
| Civilian labor force | 12,151 | 12,344 | 12,374 | 12,400 | 12,470 | 12,629 | 12,533 | 12,554 | 12,540 | 12,569 | 12,679 | 12,540 | 12,457 |
| Percent of population | 40.6 | 40.5 | 40.5 | 41.6 | 41.8 | 41.7 | 41.7 | 42.8 | 42.7 | 42.6 | 42.4 | 43.0 | 43.0 |
| Employed ............ | 11,033 | 11,236 | 11,243 | 11,349 | 11,453 | 11,526 | 11,497 | 11,576 | 11,596 | 11,669 | 11,788 | 11,656 | 11,585 |
| Employment-population ratio | 36.8 | 36.9 | 36.8 | 38.1 | 38.4 | 38.1 | 38.2 | 39.5 | 39.5 | 39.6 | 39.5 | 40.0 | 40.0 |
| Unemployed .............. | 1,118 | 1,108 | 1,131 | 1,050 | 1,018 | 1,103 | 1,035 | 978 | 943 | 900 | 891 | 884 | 872 |
| Unemployment rate ..................................... | 9.2 | 9.0 | 9.1 | 8.5 | 8.2 | 8.7 | 8.3 | 7.8 | 7.5 | 7.2 | 7.0 | 7.0 | 7.0 |
| High school graduates, no college ${ }^{2}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 55,973 | 56,167 | 56,344 | 56,322 | 56,834 | 57,247 | 57,424 | 57,557 | 57,467 | 57,636 | 57,545 | 57,564 | 57,351 |
| Civilian labor force | 36,668 | 36,785 | 36,907 | 37,067 | 37,356 | 37,746 | 37,768 | 37,866 | 37,698 | 37,775 | 37,357 | 37,315 | 37,415 |
| Percent of population | 65.5 | 65.5 | 65.5 | 65.8 | 65.7 | 65.9 | 65.8 | 65.8 | 65.6 | 65.5 | 64.9 | 64.8 | 65.2 |
| Employed .................................................... | 34,958 | 35,042 | 35,167 | 35,381 | 35,630 | 36,067 | 36,147 | 36,275 | 36,181 | 36,245 | 35,896 | 35,815 | 35,959 |
| Employment-population ratio | 62.5 | 62.4 | 62.4 | 62.8 | 62.7 | 63.0 | 62.9 | 63.0 | 63.0 | 62.9 | 62.4 | 62.2 | 62.7 |
| Unemployed | 1,710 | 1,743 | 1,740 | 1,686 | 1,726 | 1,680 | 1,621 | 1,590 | 1,517 | 1,530 | 1,461 | 1,500 | 1,456 |
| Unemployment rate ..................................... | 4.7 | 4.7 | 4.7 | 4.5 | 4.6 | 4.4 | 4.3 | 4.2 | 4.0 | 4.0 | 3.9 | 4.0 | 3.9 |
| Less than a bacheior's degree ${ }^{3}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$...................... | 41,884 | 41,215 | 41,350 | 42,312 | 41,876 | 41,506 | 41,641 | 42,266 | 42,372 | 42,186 | 42,069 | 41,968 | 42.819 |
| Civilian labor force ......... | 30,959 | 30,822 | 31,107 | 31,469 | 31,202 | 31,190 | 31,268 | 31,477 | 31,401 | 31,421 | 31,376 | 31,203 | 31,625 |
| Percent of population ................................... | 73.9 | 74.8 | 75.2 | 74.4 | 74.5 | 75.1 | 75.1 | 74.5 | 74.1 | 74.5 | 74.6 | 74.3 | 73.9 |
| Employed | 29,748 | 29,648 | 29,930 | 30,304 | 30,059 | 30,095 | 30,264 | 30,468 | 30,431 | 30,426 | 30,463 | 30,283 | 30,720 |
| Employment-population ratio ......................... | 71.0 | 71.9 | 72.4 | 71.6 | 71.8 | 72.5 | 72.7 | 72.1 | 71.8 | 72.1 | 72.4 | 72.2 | 71.7 |
| Unemployed ............................................... | 1,211 | 1,173 | 1,177 | 1,165 | 1,143 | 1,095 | 1,005 | 1,010 | 970 | 994 | 913 | 920 | 906 |
| Unemployment rate ...................................... | 3.9 | 3.8 | 3.8 | 3.7 | 3.7 | 3.5 | 3.2 | 3.2 | 3.1 | 3.2 | 2.9 | 2.9 | 2.9 |
| College graduates |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ${ }^{1}$ | 39,195 | 39,644 | 39,778 | 40,074 | 40,408 | 40,667 | 40,987 | 41,391 | 41,752 | 42,099 | 42,250 | 43,470 | 43,471 |
| Civilian labor force ........ | 31,581 | 31,850 | 32,061 | 32,249 | 32,555 | 32,688 | 33,100 | 33,269 | 33,546 | 33,758 | 34,116 | 34,763 | 34,724 |
| Percent of population | 80.6 | 80.3 | 80.6 | 80.5 | 80.6 | 80.4 | 80.8 | 80.4 | 80.3 | 80.2 | 80.7 | 80.0 | 79.9 |
| Employed | 30,839 | 31,118 | 31,327 | 31,550 | 31,826 | 32,016 | 32,408 | 32,570 | 32,945 | 33,130 | 33,529 | 34,172 | 34,078 |
| Employment-population ratio | 78.7 | 78.5 | 78.8 | 78.7 | 78.8 | 78.7 | 79.1 | 78.7 | 78.9 | 78.7 | 79.4 | 78.6 | 78.4 |
| Unemployed ............................................... | 742 | 733 | 734 | 699 | 729 | 672 | 692 | 699 | 602 | 627 | 587 1.7 | 592 17 | 645 |
| Unemployment rate | 2.3 | 2.3 | 2.3 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 1.8 | 1.9 | 1.7 | 1.7 | 1.9 |

1 The population figures are not adjusted for seasonal variation.
2 Includes high school diploma or equivalent.
3 Inciudes the categories, some college, no degree; and associate degree.
NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey. Seasonally adjusted data have been revised based on the experience through December 1998. See the article in this issue for additional information.

## QUARTERLY AVERAGES

D-4. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted
(Numbers in thousands)

| Full- and part-time status, sex. and age | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | N | 1 | II | III | IV | 1 | II | III | IV | 1 | II | III | IV |
| EMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Full-time workers | 102,206 | 102,406 | 103,117 | 103,915 | 104,704 | 105,242 | 106,084 | 106,800 | 107,227 | 107,698 | 107,929 | 108,173 | 109,020 |
| Men, 16 years and over | 60,025 | 60,149 | 60,556 | 61,019 | 61,324 | 61,740 | 62,134 | 62,446 | 62,712 | 62,843 | 63,069 | 63,185 | 63,657 |
| Men, 20 years and over. | 58,779 | 58,927 | 59,350 | 59,791 | 60,093 | 60,488 | 60,855 | 61,163 | 61,384 | 61,560 | 61,731 | 61,816 | 62,242 |
| Women, 16 years and over ........... | 42,175 | 42,274 | 42,555 | 42,882 | 43,383 | 43,470 | 43,936 | 44,393 | 44,503 | 44,775 | 44,836 | 45,095 | 45,349 |
| Women, 20 years and over | 41,358 | 41,482 | 41,723 | 42,087 | 42,508 | 42,602 | 43,102 | 43,482 | 43,578 | 43,822 | 43,889 | 44,034 | 44,431 |
| Both sexes, 16 to 19 years ............ | 2,069 | 1,998 | 2,043 | 2,037 | 2,103 | 2,153 | 2,127 | 2,155 | 2,265 | 2,317 | 2,310 | 2,322 | 2,347 |
| Part-time workers | 23,063 | 23,126 | 23,130 | 23,307 | 23,147 | 23,362 | 23,213 | 23,038 | 23,294 | 23,315 | 23,302 | 23,163 | 23,263 |
| Men, 16 years and over | 7,370 | 7,495 | 7.444 | 7,458 | 7,401 | 7,469 | 7,422 | 7,379 | 7,449 | 7,505 | 7,516 | 7,491 | 7,511 |
| Men, 20 years and over | 5,335 | 5.421 | 5,303 | 5,387 | 5,324 | 5,357 | 5,316 | 5,319 | 5,256 | 5,296 | 5,304 | 5,289 | 5,300 |
| Women, 16 years and over | 15,693 | 15,617 | 15,706 | 15,843 | 15,743 | 15,872 | 15,816 | 15,664 | 15,842 | 15,782 | 15,811 | 15,684 | 15,752 |
| Women, 20 years and over | 13,384 | 13,336 | 13.379 | 13,405 | 13,308 | 13,531 | 13,375 | 13,308 | 13,460 | 13,282 | 13,284 | 13,214 | 13,152 |
| Both sexes, 16 to 19 years ............ | 4,345 | 4,369 | 4,448 | 4,514 | 4,515 | 4,474 | 4,522 | 4,411 | 4.577 | 4,737 | 4,714 | 4,660 | 4,811 |
| UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Looking for full-time work | 5,925 | 5,917 | 5,880 | 5,622 | 5,764 | 5,689 | 5,439 | 5,287 | 5,113 | 5,073 | 4,852 | 4,926 | 4,796 |
| Men, 16 years and over ................ | 3,361 | 3,366 | 3,358 | 3,176 | 3,183 | 3,177 | 3,027 | 2,926 | 2,904 | 2,710 | 2,665 | 2,783 | 2,661 |
| Men, 20 years and over ................. | 2,979 | 3,009 | 2,990 | 2,785 | 2,775 | 2,787 | 2,642 | 2,541 | 2,563 | 2,435 | 2,318 | 2,403 | 2,293 |
| Women, 16 years and over ........... | 2,567 | 2,548 | 2,529 | 2,457 | 2,576 | 2,500 | 2,429 | 2,373 | 2,233 | 2,302 | 2,215 | 2,148 | 2,175 |
| Women, 20 years and over ........... | 2,280 | 2,254 | 2,277 | 2,206 | 2,304 | 2,206 | 2,153 | 2,108 | 1,946 | 2,059 | 1,953 | 1,934 | 1,918 |
| Both sexes, 16 to 19 years ............ | 667 | 653 | 612 | 630 | 685 | 697 | 645 | 639 | 604 | 579 | 580 | 590 | 586 |
| Looking for part-time work ............... | 1,473 | 1,463 | 1,441 | 1,438 | 1,404 | 1,421 | 1,343 | 1,328 | 1,279 | 1,329 | 1,225 | 1,293 | 1,322 |
| Men, 16 years and over ................. | 639 | 624 | 635 | 602 | 557 | 578 | 580 | 569 | 532 | 562 | 538 | 554 | 584 |
| Men, 20 years and over ................ | 253 | 257 | 267 | 245 | 230 | 257 | 232 | 231 | 230 | 219 | 204 | 213 | 217 |
| Women, 16 years and over ........... | 833 | 831 | 820 | 832 | 834 | 840 | 785 | 757 | 733 | 760 | 719 | 734 | 723 |
| Women, 20 years and over ........... | 511 | 522 | 498 | 545 | 535 | 512 | 486 | 455 | 469 | 491 | 445 | 455 | 439 |
| Both sexes, 16 to 19 years ............ | 708 | 684 | 676 | 648 | 639 | 653 | 625 | 643 | 580 | 619 | 575 | 625 | 665 |
| UNEMPLOYMENT RATES ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Full-time workers ........................... | 5.5 | 5.5 | 5.4 | 5.1 | 5.2 | 5.1 | 4.9 | 4.7 | 4.6 | 4.5 | 4.3 | 4.4 | 4.2 |
| Men, 16 years and over ................ | 5.3 | 5.3 | 5.3 | 4.9 | 4.9 | 4.9 | 4.6 | 4.5 | 4.4 | 4.1 | 4.1 | 4.2 | 4.0 |
| Men, 20 years and over ................ | 4.8 | 4.9 | 4.8 | 4.5 | 4.4 | 4.4 | 4.2 | 4.0 | 4.0 | 3.8 | 3.6 | 3.7 | 3.6 |
| Women, 16 years and over ........... | 5.7 | 5.7 | 5.6 | 5.4 | 5.6 | 5.4 | 5.2 | 5.1 | 4.8 | 4.9 | 4.7 | 4.5 | 4.6 |
| Women, 20 years and over ........... | 5.2 | 5.2 | 5.2 | 5.0 | 5.1 | 4.9 | 4.8 | 4.6 | 4.3 | 4.5 | 4.3 | 4.2 | 4.1 |
| Both sexes, 16 to 19 years ............. | 24.4 | 24.6 | 23.1 | 23.6 | 24.6 | 24.4 | 23.3 | 22.9 | 21.1 | 20.0 | 20.1 | 20.2 | 20.0 |
| Part-time workers | 6.0 | 5.9 | 5.9 | 5.8 | 5.7 | 5.7 | 5.5 | 5.5 | 5.2 | 5.4 | 5.0 | 5.3 | 5.4 |
| Men, 16 years and over ................ | 8.0 | 7.7 | 7.9 | 7.5 | 7.0 | 7.2 | 7.2 | 7.2 | 6.7 | 7.0 | 6.7 | 6.9 | 7.2 |
| Men, 20 years and over ......... | 4.5 | 4.5 | 4.8 | 4.4 | 4.1 | 4.6 | 4.2 | 4.2 | 4.2 | 4.0 | 3.7 | 3.9 | 3.9 |
| Women. 16 years and over ........... | 5.0 | 5.1 | 5.0 | 5.0 | 5.0 | 5.0 | 4.7 | 4.6 | 4.4 | 4.6 | 4.3 | 4.5 | 4.4 |
| Women, 20 years and over ........... | 3.7 | 3.8 | 3.6 | 3.9 | 3.9 | 3.6 | 3.5 | 3.3 | 3.4 | 3.6 | 3.2 | 3.3 | 3.2 |
| Both sexes, 16 to 19 years ............ | 14.0 | 13.5 | 13.2 | 12.5 | 12.4 | 12.7 | 12.1 | 12.7 | 11.3 | 11.6 | 10.9 | 11.8 | 12.1 |

1 These rates reflect a refined definition of the full- and part-time labor force and differ from the rates published elsewhere in this publication prior to 1994.
NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey. Data have been revised based on the experience through December 1998. See the article in this issue for additional information.

D-5. Employed persons by marital status, occupation, class of worker, and part-time status, seasonally adjusted
(In thousands)

| Category | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | 11 | III | IV | 1 | 11 | III | IV | 1 | 11 | III | IV |
| MARITAL STATUS |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 125,208 | 125,593 | 126,296 | 127,169 | 127,783 | 128,612 | 129,355 | 129,855 | 130,413 | 130,957 | 131,288 | 131,419 | 132,166 |
| Married men, spouse present | 42,097 | 42,172 | 42,446 | 42,518 | 42,522 | 42,569 | 42,481 | 42,659 | 42,843 | 42,851 | 42,689 | 42,965 | 43,175 |
| Married women, spouse present | 32,126 | 32,129 | 32,334 | 32,647 | 32,504 | 32,686 | 32,565 | 32,873 | 32,886 | 32,840 | 32,851 | 32,760 | 33,028 |
| Women who maintain families ........ | 7,236 | 7,333 | 7,323 | 7,321 | 7,475 | 7,612 | 7,813 | 7,874 | 7,799 | 7,824 | 7,864 | 7,929 | 7,999 |
| OCCUPATION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Managerial and professional specialty .. | 35,696 | 35,844 | 36,381 | 36,651 | 37,102 | 37,515 | 37,510 | 37,735 | 37,980 | 38,256 | 38,695 | 39,172 | 39,622 |
| Technical, sales, and administrative support $\qquad$ | 37,284 | 37,393 | 37,630 | 37,790 | 37,902 | 38,111 | 38,232 | 38,352 | 38,533 | 38,537 | 38,545 | 38,611 | 38,389 |
| Service occupations | 16,878 | 16,855 | 17,221 | 17,339 | 17,273 | 17,232 | 17,410 | 17,697 | 17,791 | 17,928 | 17,720 | 17,793 | 17,897 |
| Precision production, craft, and repair ... | 13,549 | 13.592 | 13,421 | 13,671 | 13,703 | 13,981 | 14,196 | 14,112 | 14,231 | 14,406 | 14,599 | 14,179 | 14.476 |
| Operators, fabricators, and laborers ...... | 18,146 | 18,170 | 18,174 | 18,181 | 18,270 | 18,232 | 18,486 | 18,474 | 18,407 | 18,436 | 18,270 | 18,081 | 18,238 |
| Farming, forestry, and fishing ............... | 3,621 | 3,735 | 3,528 | 3,535 | 3,492 | 3,530 | 3,571 | 3,470 | 3,442 | 3,407 | 3,498 | 3,565 | 3,513 |
| CLASS OF WORKER |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agriculture: |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1,821 | 1,899 | 1,892 | 1,830 | 1,868 | 1,927 | 1,947 | 1,858 | 1,834 | 1,923 | 1,922 | 2,089 | 2,055 |
|  | 1,515 | 1,568 | 1,496 | 1,521 | 1,485 | 1,438 | 1,435 | 1,474 | 1,475 | 1,331 | 1,394 | 1,335 | 1,297 |
| Unpaid family workers | 38 | 44 | 46 | 69 | 62 | 47 | 55 | 49 | 51 | 40 | 42 | 34 | 36 |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wage and salary workers | 112,831 94,607 | 112,983 94,869 | 113,773 95,457 | 114,726 96,484 | 115,209 97,005 | 115,767 97,651 | 116,647 98,609 | 117,454 99,222 | 18,066 99,922 | 100,420 | 118,763 | $\begin{aligned} & 118,878 \\ & 100,494 \end{aligned}$ | $\begin{aligned} & 119,791 \\ & 101,178 \end{aligned}$ |
| Private households ......................... | 961 | 908 | 868 | 969 | 968 | 909 | 910 | 921 | 921 | 998 | 983 | 918 | 953 |
| Other industries ...... | 93,646 | 93,961 | 94,589 | 95,515 | 96,036 | 96,742 | 97,699 | 98,302 | 99,001 | 99,421 | 99,493 | 99,575 | 100,225 |
| Government .......... | 18,225 | 18,114 | 18,315 | 18,242 | 18,204 | 18,116 | 18,038 | 18,231 | 18,144 | 18,244 | 18,287 | 18,385 | 18,613 |
| Self-employed workers | 8,922 | 8,959 | 8,967 | 8,904 | 9,060 | 9,272 | 9,103 | 8,919 | 8,936 | 8,872 | 9,016 | 9,037 | 8,924 |
| Unpaid family workers ...................... | 106 | 101 | 115 | 130 | 145 | 132 | 131 | 117 | 99 | 111 | 104 | 89 | 110 |
| PERSONS AT WORK PART TIME ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| All industries: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Part time for economic reasons ........... | 4,448 | 4,304 | 4,372 | 4,365 | 4,237 | 4,207 | 4,146 | 4,003 | 3,920 | 3,915 | 3,767 | 3,560 | 3,387 |
| Slack work or business conditions ....... | 2,550 | 2,424 | 2,372 | 2.493 | 2,265 | 2,364 | 2,348 | 2,189 | 2,233 | 2,194 | 2,132 | 2,077 | 1,956 |
| Could only find part-time work ............ | 1,618 | 1,567 | 1,638 | 1,580 | 1,648 | 1,515 | 1,473 | 1,499 | 1,389 | 1,400 | 1,291 | 1,190 | 1,147 |
| Part time for noneconomic reasons ...... | 17,540 | 17,563 | 17,701 | 18,012 | 17,931 | 18,114 | 18,177 | 17,999 | 18,266 | 18,423 | 18,486 | 18,643 | 18,658 |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Part time for economic reasons ........... | 4,287 | 4,089 | 4,176 | 4,171 | 4,068 | 4,017 | 3,936 | 3,828 | 3,733 | 3,747 | 3,611 | 3,379 | 3,234 |
| Slack work or business conditions ....... | 2,446 | 2,282 | 2,259 | 2,364 | 2,149 | 2,249 | 2,211 | 2,078 | 2,120 | 2,081 | 2,048 | 1,973 | 1,864 |
| Could only find part-time work ............ | 1,582 | 1,539 | 1,605 | 1,551 | 1,618 | 1,480 | 1,437 | 1,467 | 1,353 | 1,374 | 1,259 | 1,156 | 1,119 |
| Part time for noneconomic reasons ...... | 16,926 | 16,907 | 17,084 | 17,402 | 17,306 | 17.495 | 17,616 | 17,445 | 17,659 | 17.819 | 17,867 | 18,058 | 18,124 |

${ }^{1}$ Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who usually work full time but worked only 1 to 34 hours during the reference week for reasons such as holidays, illness, and bad weather.

NOTE: Beginning in January 1998, data reflect new composite estimatior, procedures and revised population controls used in the household survey. Data: have been revised based on the experience through December 1998. See ine article in this issue for additional information.

## HOUSEHOLD DATA

SEASONALLY ADJUSTED
QUARTERLY AVERAGES

## D-6. Employed persons by age and sex, seasonally adjusted

(In thousands)

| Age and sex | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | 11 | III | IV | 1 | II | III | IV | 1 | 11 | III | IV |
| Total, 16 years and over | 125,208 | 125,593 | 126,296 | 127,169 | 127,783 | 128,612 | 129,355 | 129,855 | 130.413 | 130,957 | 131,288 | 131,419 | 132,166 |
| 16 to 24 years | 18,587 | 18,525 | 18,650 | 18,617 | 18,776 | 18,935 | 19,030 | 19,010 | 19,208 | 19,528 | 19,584 | 19,546 | 19,774 |
| 16 to 19 years | 6,402 | 6,376 | 6,493 | 6,538 | 6,601 | 6,612 | 6,652 | 6,600 | 6,793 | 7,000 | 7,023 | 7,067 | 7,108 |
| 16 to 17 years. | 2,551 | 2,574 | 2,651 | 2,663 | 2,700 | 2,630 | 2,649 | 2,622 | 2,695 | 2,796 | 2,751 | 2,757 | 2.746 |
| 18 to 19 years. | 3,845 | 3,793 | 3,856 | 3,875 | 3,898 | 3,972 | 4,010 | 3,968 | 4,103 | 4,203 | 4,282 | 4,309 | 4,364 |
| 20 to 24 years. | 12,186 | 12,148 | 12,157 | 12,079 | 12,175 | 12,323 | 12,378 | 12,410 | 12,415 | 12,528 | 12,561 | 12,479 | 12,666 |
| 25 years and over | 106,618 | 107,052 | 107,667 | 108,553 | 109,008 | 109,666 | 110,342 | 110,844 | 111,206 | 111,419 | 111,720 | 111,871 | 112,396 |
| 25 to 54 years | 91,375 | 91,809 | 92,317 | 93,012 | 93,425 | 93,848 | 94,328 | 94,828 | 94,844 | 95,066 | 95,161 | 95,226 | 95,585 |
| 55 years and over | 15,235 | 15,259 | 15,314 | 15,565 | 15,573 | 15,853 | 15,970 | 16,046 | 16,350 | 16,386 | 16,511 | 16,679 | 16,808 |
| Men, 16 years and over | 67,343 | 67,665 | 68,044 | 68,457 | 68,676 | 69,237 | 69,599 | 69,814 | 70,097 | 70,364 | 70,630 | 70,658 | 71,104 |
| 16 to 24 years | 9,767 | 9,739 | 9,752 | 9,729 | 9,745 | 9,910 | 9,976 | 9,933 | 9,994 | 10,137 | 10,185 | 10,155 | 10,308 |
| 16 to 19 years | 3,268 | 3,279 | 3,348 | 3,318 | 3,294 | 3,371 | 3,383 | 3,360 | 3,498 | 3,502 | 3,546 | 3,572 | 3,608 |
| 16 to 17 years ........................... | 1,290 | 1,298 | 1,332 | 1,307 | 1,338 | 1,335 | 1,343 | 1,350 | 1,395 | 1,428 | 1,398 | 1,389 | 1,378 |
| 18 to 19 years ............................ | 1,976 | 1,978 | 2,034 | 2,006 | 1,951 | 2,032 | 2,050 | 1,995 | 2,105 | 2,082 | 2,160 | 2,176 | 2,225 |
| 20 to 24 years ... | 6,499 | 6,461 | 6,404 | 6,410 | 6,451 | 6,539 | 6,593 | 6,573 | 6,496 | 6,635 | 6,638 | 6,583 | 6,701 |
| 25 years and over | 57,571 | 57,909 | 58,299 | 58,748 | 58,924 | 59,318 | 59,627 | 59,901 | 60,093 | 60,218 | 60,450 | 60,523 | 60,788 |
| 25 to 54 years | 49,097 | 49,382 | 49,664 | 50,035 | 50,237 | 50,480 | 50,680 | 50,918 | 51,015 | 51,175 | 51,255 | 51,201 | 51,469 |
| 55 years and over | 8.497 | 8.533 | 8,620 | 8.699 | 8,706 | 8,856 | 8,923 | 8,974 | 9,097 | 9,066 | 9,164 | 9,317 | 9,342 |
| Wormen, 16 years and over. | 57,864 | 57,927 | 58,253 | 58,712 | 59,107 | 59,374 | 59,756 | 60,041 | 60,316 | 60,593 | 60,658 | 60,762 | 61,062 |
| 16 to 24 years. | 8,821 | 8,785 | 8,898 | 8,888 | 9,030 | 9,025 | 9,054 | 9,077 | 9,214 | 9,392 | 9,399 | 9,391 | 9,465 |
| 16 to 19 years | 3,134 | 3,098 | 3,145 | 3,220 | 3,307 | 3,241 | 3,269 | 3,239 | 3,295 | 3,498 | 3,477 | 3,495 | 3,500 |
| 16 to 17 years | 1,262 | 1,276 | 1,319 | 1,356 | 1,362 | 1,295 | 1,306 | 1,272 | 1,300 | 1,369 | 1,353 | 1,368 | 1,368 |
| 18 to 19 years | 1,869 | 1,815 | 1,822 | 1,868 | 1,947 | 1,940 | 1,960 | 1,973 | 1,999 | 2,121 | 2,122 | 2,133 | 2,139 |
| 20 to 24 years.. | 5,687 | 5,688 | 5,753 | 5,668 | 5,724 | 5,784 | 5,785 | 5,837 | 5,920 | 5,893 | 5,922 | 5,895 | 5,965 |
| 25 years and over | 49,047 | 49,143 | 49,367 | 49,805 | 50,084 | 50,348 | 50,715 | 50,943 | 51,113 | 51,201 | 51,270 | 51,348 | 51,609 |
| 25 to 54 years | 42,278 | 42,428 | 42,653 | 42,978 | 43,188 | 43,368 | 43,647 | 43,910 | 43,829 | 43,890 | 43,906 | 44,025 | 44,116 |
| 55 years and over ..... | 6,737 | 6,726 | 6,694 | 6,866 | 6,867 | 6,997 | 7,047 | 7,072 | 7,253 | 7,321 | 7,347 | 7,362 | 7,466 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## D-7. Unemployed persons by age and sex, seasonally adjusted

(In thousands)

| Age and sex | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | 11 | III | IV | 1 | II | III | IV | 1 | 11 | III | IV |
| Total, 16 years and over .............. | 7,399 | 7,366 | 7,316 | 7,075 | 7,168 | 7,092 | 6,781 | 6,639 | 6,394 | 6,380 | 6,079 | 6,237 | 6,120 |
| 16 to 24 years | 2,601 | 2,625 | 2,545 | 2,478 | 2,526 | 2,555 | 2,436 | 2,370 | 2,338 | 2,349 | 2,222 | 2,344 | 2,215 |
| 16 to 19 years | 1,370 | 1,331 | 1,292 | 1,285 | 1,317 | 1,346 | 1,274 | 1,289 | 1,176 | 1,195 | 1,160 | 1,222 | 1,242 |
| 16 to 17 years ........................... | 656 | 628 | 630 | 618 | 595 | 605 | 590 | 591 | 569 | 593 | 550 | 558 | 592 |
| 18 to 19 years ........................... | 718 | 697 | 668 | 666 | 725 | 733 | 690 | 696 | 610 | 594 | 617 | 665 | 654 |
| 20 to 24 years | 1,232 | 1,294 | 1,253 | 1,193 | 1,209 | 1,209 | 1,161 | 1,081 | 1,163 | 1,153 | 1,062 | 1,122 | 972 |
| 25 years and over .......................... | 4,790 | 4,742 | 4,776 | 4,603 | 4,629 | 4,542 | 4,348 | 4,280 | 4,043 | 4,042 | 3,854 | 3,896 | 3,891 |
| 25 to 54 years ............................. | 4,219 | 4,191 | 4,198 | 4,054 | 4,125 | 4,053 | 3,826 | 3,774 | 3,579 | 3,599 | 3,402 | 3.424 | 3.397 |
| 55 years and over ........................ | 571 | 576 | 552 | 541 | 511 | 511 | 500 | 501 | 468 | 461 | 430 | 465 | 500 |
| Men, 16 years and over ............... | 3,988 | 4,007 | 3,976 | 3,771 | 3,732 | 3,775 | 3,579 | 3,486 | 3,423 | 3,339 | 3,164 | 3,324 | 3,220 |
| 16 to 24 years | 1,435 | 1,448 | 1,440 | 1,368 | 1,365 | 1,388 | 1,314 | 1,316 | 1,300 | 1,294 | 1,225 | 1,316 | 1,231 |
| 16 to 19 years. | 764 | 738 | 723 | 739 | 735 | 732 | 708 | 704 | 634 | 685 | 643 | 702 | 714 |
| 16 to 17 years ........................... | 358 | 350 | 351 | 362 | 327 | 336 | 328 | 310 | 310 | 335 | 311 | 326 | 350 |
| 18 to 19 years ........................... | 409 | 383 | 381 | 372 | 410 | 392 | 387 | 389 | 324 | 347 | 341 | 370 | 363 |
| 20 to 24 years. | 672 | 710 | 717 | 629 | 630 | 656 | 606 | 611 | 667 | 609 | 582 | 615 | 516 |
| 25 years and over ......................... | 2,550 | 2,544 | 2,547 | 2,412 | 2,361 | 2,376 | 2,276 | 2,180 | 2,114 | 2,038 | 1,946 | 2,015 | 1,982 |
| 25 to 54 years ............................. | 2,240 | 2,257 | 2,232 | 2,099 | 2,078 | 2,093 | 1,980 | 1,902 | 1,828 | 1,776 | 1,688 | 1,742 | 1,693 |
| 55 years and over ........................ | 307 | 303 | 297 | 312 | 284 | 295 | 280 | 278 | 289 | 274 | 242 | 274 | 291 |
| Women, 16 years and over ......... | 3.410 | 3,359 | 3,340 | 3,304 | 3,437 | 3,317 | 3,202 | 3.153 | 2.971 | 3,041 | 2,915 | 2,913 | 2,900 |
| 16 to 24 years .............................. | 1,166 | 1,177 | 1,105 | 1,109 | 1,161 | 1.167 | 1,122 | 1,054 | 1,038 | 1,055 | 997 | 1,028 | 984 |
| 16 to 19 years ............................. | 606 | 593 | 569 | 546 | 582 | 614 | 567 | 584 | 542 | 511 | 517 | 520 | 528 |
| 16 to 17 years ........................... | 298 | 278 | 279 | 257 | 268 | 269 | 261 | 281 | 259 | 258 | 238 | 232 | 242 |
| 18 to 19 years ........................... | 309 | 314 | 287 | 294 | 316 | 342 | 303 | 307 | 286 | 247 | 276 | 294 | 291 |
| 20 to 24 years .............................. | 560 | 584 | 536 | 563 | 579 | 552 | 555 | 470 | 496 | 544 | 480 | 508 | 456 |
| 25 years and over | 2,239 | 2,197 | 2,229 | 2,191 | 2,269 | 2,166 | 2,072 | 2,100 | 1,929 | 2,004 | 1,908 | 1,881 | 1,910 |
| 25 to 54 years ............................. | 1,979 | 1,934 | 1,966 | 1,955 | 2,047 | 1,959 | 1,846 | 1,872 | 1.750 | 1,823 | 1,713 | 1,682 | 1,704 |
| 55 years and over ........................ | 264 | 274 | 255 | 229 | 227 | 216 | 220 | 223 | 179 | 187 | 188 | 192 | 209 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## HOUSEHOLD DATA

SEASONALLY ADJUSTED
QUARTERLY AVERAGES

## D-8. Unemployment rates by age and sex, seasonally adjusted

(Percent)

| Age and sex | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | II | III | IV | 1 | II | III | IV | 1 | II | III | IV |
| Total, 16 years and over | 5.6 | 5.5 | 5.5 | 5.3 | 5.3 | 5.2 | 5.0 | 4.9 | 4.7 | 4.6 | 4.4 | 4.5 | 4.4 |
| 16 to 24 years | 12.3 | 12.4 | 12.0 | 11.7 | 11.9 | 11.9 | 11.3 | 11.1 | 10.9 | 10.7 | 10.2 | 10.7 | 10.1 |
| 16 to 19 years | 17.6 | 17.3 | 16.6 | 16.4 | 16.6 | 16.9 | 16.1 | 16.3 | 14.8 | 14.6 | 14.2 | 14.7 | 14.9 |
| 16 to 17 years .... | 20.5 | 19.6 | 19.2 | 18.8 | 18.0 | 18.7 | 18.2 | 18.4 | 17.4 | 17.5 | 16.7 | 16.8 | 17.7 |
| 18 to 19 years .... | 15.7 | 15.5 | 14.8 | 14.7 | 15.7 | 15.6 | 14.7 | 14.9 | 12.9 | 12.4 | 12.6 | 13.4 | 13.0 |
| 20 to 24 years ...... | 9.2 | 9.6 | 9.3 | 9.0 | 9.0 | 8.9 | 8.6 | 8.0 | 8.6 | 8.4 | 7.8 | 8.3 | 7.1 |
| 25 years and over | 4.3 | 4.2 | 4.2 | 4.1 | 4.1 | 4.0 | 3.8 | 3.7 | 3.5 | 3.5 | 3.3 | 3.4 | 3.3 |
| 25 to 54 years ........ | 4.4 | 4.4 | 4.3 | 4.2 | 4.2 | 4.1 | 3.9 | 3.8 | 3.6 | 3.6 | 3.5 | 3.5 | 3.4 |
| 55 years and over ............. | 3.6 | 3.6 | 3.5 | 3.4 | 3.2 | 3.1 | 3.0 | 3.0 | 2.8 | 2.7 | 2.5 | 2.7 | 2.9 |
| Men. 16 years and over ... | 5.6 | 5.6 | 5.5 | 5.2 | 5.2 | 5.2 | 4.9 | 4.8 | 4.7 | 4.5 | 4.3 | 4.5 | 4.3 |
| 16 to 24 years | 12.8 | 12.9 | 12.9 | 12.3 | 12.3 | 12.3 | 11.6 | 11.7 | 11.5 | 11.3 | 10.7 | 11.5 | 10.7 |
| 16 to 19 years | 18.9 | 18.4 | 17.8 | 18.2 | 18.2 | 17.8 | 17.3 | 17.3 | 15.3 | 16.4 | 15.3 | 16.4 | 16.5 |
| 16 to 17 years | 21.7 | 21.2 | 20.8 | 21.7 | 19.6 | 20.1 | 19.6 | 18.7 | 18.2 | 19.0 | 18.2 | 19.0 | 20.3 |
| 18 to 19 years | 17.2 | 16.2 | 15.8 | 15.6 | 17.4 | 16.2 | 15.9 | 16.3 | 13.3 | 14.3 | 13.6 | 14.5 | 14.0 |
| 20 to 24 years .... | 9.4 | 9.9 | 10.1 | 8.9 | 8.9 | 9.1 | 8.4 | 8.5 | 9.3 | 8.4 | 8.1 | 8.5 | 7.2 |
| 25 years and over | 4.2 | 4.2 | 4.2 | 3.9 | 3.9 | 3.9 | 3.7 | 3.5 | 3.4 | 3.3 | 3.1 | 3.2 | 3.2 |
| 25 to 54 years | 4.4 | 4.4 | 4.3 | 4.0 | 4.0 | 4.0 | 3.8 | 3.6 | 3.5 | 3.4 | 3.2 | 3.3 | 3.2 |
| 55 years and over | 3.5 | 3.4 | 3.3 | 3.5 | 3.2 | 3.2 | 3.0 | 3.0 | 3.1 | 2.9 | 2.6 | 2.9 | 3.0 |
| Women, 16 years and over | 5.6 | 5.5 | 5.4 | 5.3 | 5.5 | 5.3 | 5.1 | 5.0 | 4.7 | 4.8 | 4.6 | 4.6 | 4.5 |
| 16 to 24 years | 11.7 | 11.8 | 11.0 | 11.1 | 11.4 | 11.4 | 11.0 | 10.4 | 10.1 | 10.1 | 9.6 | 9.9 | 9.4 |
| 16 to 19 years | 16.2 | 16.1 | 15.3 | 14.5 | 15.0 | 15.9 | 14.8 | 15.3 | 14.1 | 12.7 | 13.0 | 13.0 | 13.1 |
| 16 to 17 years | 19.1 | 17.9 | 17.5 | 15.9 | 16.4 | 17.2 | 16.7 | 18.1 | 16.6 | 15.9 | 15.0 | 14.5 | 15.0 |
| 18 to 19 years | 14.2 | 14.7 | 13.6 | 13.6 | 14.0 | 15.0 | 13.4 | 13.5 | 12.5 | 10.4 | 11.5 | 12.1 | 12.0 |
| 20 to 24 years. | 9.0 | 9.3 | 8.5 | 9.0 | 9.2 | 8.7 | 8.8 | 7.5 | 7.7 | 8.5 | 7.5 | 7.9 | 7.1 |
| 25 years and over ......... | 4.4 | 4.3 | 4.3 | 4.2 | 4.3 | 4.1 | 3.9 | 4.0 | 3.6 | 3.8 | 3.6 | 3.5 | 3.6 |
| 25 to 54 years. | 4.5 | 4.4 | 4.4 | 4.4 | 4.5 | 4.3 | 4.1 | 4.1 | 3.8 | 4.0 | 3.8 | 3.7 | 3.7 |
| 55 years and over ............... | 3.8 | 3.9 | 3.7 | 3.2 | 3.2 | 3.0 | 3.0 | 3.1 | 2.4 | 2.5 | 2.5 | 2.5 | 2.7 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## D-9. Unemployment rates by occupation, industry, and selected demographic characteristics, seasonally adjusted

(Percent)

| Category | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | 11 | III | IV | 1 | II | III | IV | 1 | II | III | IV |
| CHARACTERISTIC |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 5.6 | 5.5 | 5.5 | 5.3 | 5.3 | 5.2 | 5.0 | 4.9 | 4.7 | 4.6 | 4.4 | 4.5 | 4.4 |
| Men, 20 years and over .................................. | 4.8 | 4.8 | 4.8 | 4.4 | 4.4 | 4.4 | 4.2 | 4.0 | 4.0 | 3.8 | 3.6 | 3.8 | 3.6 |
| Women, 20 years and over.. | 4.9 | 4.8 | 4.8 | 4.7 | 4.9 | 4.6 | 4.5 | 4.3 | 4.1 | 4.2 | 4.0 | 4.0 | 4.0 |
| Both sexes, 16 to 19 years .............................. | 17.6 | 17.3 | 16.6 | 16.4 | 16.6 | 16.9 | 16.1 | 16.3 | 14.8 | 14.6 | 14.2 | 14.7 | 14.9 |
| White | 4.9 | 4.8 | 4.8 | 4.5 | 4.6 | 4.5 | 4.2 | 4.2 | 4.0 | 4.0 | 3.8 | 3.9 | 3.8 |
| Black and other ........... | 9.3 | 9.3 | 9.3 | 9.2 | 9.3 | 9.3 | 9.1 | 8.3 | 8.4 | 8.2 | 7.6 | 7.8 | 7.4 |
| Black ........................................................ | 10.0 | 10.4 | 10.4 | 10.6 | 10.7 | 10.7 | 10.3 | 9.5 | 9.7 | 9.3 | 8.8 | 9.2 | 8.4 |
| Hispanic origin ............................................... | 9.4 | 9.5 | 9.3 | 8.6 | 8.0 | 8.2 | 7.8 | 7.5 | 7.4 | 7.0 | 7.0 | 7.3 | 7.4 |
| Married men, spouse present ., | 3.2 | 3.1 | 3.0 | 3.0 | 3.0 | 2.8 | 2.7 | 2.6 | 2.5 | 2.5 | 2.3 | 2.3 | 2.3 |
| Maried women, spouse present | 3.8 | 3.7 | 3.7 | 3.4 | 3.6 | 3.3 | 3.2 | 3.1 | 2.9 | 3.1 | 2.8 | 2.9 | 2.8 |
| Women who maintain families ........................... | 7.5 | 7.6 | 8.0 | 8.7 | 8.6 | 8.7 | 7.9 | 7.9 | 7.8 | 7.6 | 7.4 | 7.1 | 6.7 |
| OCCUPATION ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Managerial and professional specialty | 2.5 | 2.4 | 2.4 | 2.3 | 2.3 | 2.1 | 2.0 | 2.0 | 1.8 | 1.9 | 1.8 | 1.8 | 1.8 |
| Technical, sales, and administrative support .. | 4.4 | 4.5 | 4.4 | 4.5 | 4.6 | 4.3 | 4.1 | 4.1 | 4.0 | 4.0 | 3.8 | 3.8 | 3.8 |
| Precision production, craft, and repair .................. | 5.9 | 5.7 | 5.5 | 5.3 | 5.4 | 5.0 | 4.9 | 4.7 | 4.8 | 4.4 | 4.2 | 4.4 | 3.7 |
| Operators, fabricators, and laborers ................... | 8.3 | 8.3 | 8.2 | 7.6 | 7.7 | 8.0 | 7.4 | 7.5 | 7.0 | 6.5 | 6.6 | 6.8 | 6.7 |
| Farming, forestry, and fishing ........................... | 7.9 | 7.7 | 8.3 | 6.8 | 7.3 | 7.3 | 7.2 | 6.7 | 7.1 | 6.7 | 6.3 | 6.5 | 6.4 |
| INDUSTRY |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nonagricultural private wage and salary workers | 5.8 | 5.7 | 5.6 | 5.4 | 5.4 | 5.3 | 5.1 | 5.0 | 4.7 | 4.7 | 4.5 | 4.7 | 4.5 |
| Goods-producing industries ............................ | 6.5 | 6.3 | 6.2 | 5.7 | 6.0 | 5.7 | 5.3 | 5.2 | 4.9 | 4.9 | 4.6 | 4.9 | 4.6 |
| Mining .................................................... | 6.7 | 5.6 | 4.6 | 4.4 | 5.3 | 4.3 | 3.0 | 4.0 | 3.6 | 3.3 | 2.8 | 3.5 | 3.0 |
| Construction | 11.5 | 10.6 | 10.2 | 9.3 | 9.7 | 9.5 | 8.8 | 8.7 | 8.5 | 8.2 | 7.5 | 7.6 | 6.7 |
| Manufacturing | 5.0 | 5.0 | 4.9 | 4.5 | 4.8 | 4.5 | 4.3 | 4.1 | 3.8 | 3.8 | 3.7 | 4.1 | 3.9 |
| Durable goods | 4.5 | 4.8 | 4.7 | 4.0 | 4.6 | 4.0 | 3.6 | 3.3 | 3.2 | 3.3 | 3.1 | 3.8 | 3.2 |
| Nondurable goods | 5.7 | 5.3 | 5.3 | 5.2 | 5.1 | 5.2 | 5.3 | 5.3 | 4.6 | 4.6 | 4.6 | 4.6 | 4.9 |
| Service-producing industries | 5.5 | 5.5 | 5.4 | 5.3 | 5.2 | 5.2 | 4.9 | 4.9 | 4.7 | 4.6 | 4.5 | 4.6 | 4.5 |
| Transportation and public utilities ........ | 4.4 | 3.9 | 4.4 | 4.0 | 4.1 | 4.0 | 3.2 | 3.6 | 3.2 | 3.4 | 3.3 | 3.4 | 3.3 |
| Wholesale and retail trade | 6.4 | 6.6 | 6.5 | 6.3 | 6.2 | 6.4 | 6.3 | 6.1 | 6.0 | 5.7 | 5.4 | 5.6 | 5.4 |
| Finance, insurance, and real estate ................. | 3.0 | 2.5 | 2.6 | 2.8 | 2.9 | 3.2 | 3.1 | 3.1 | 2.6 | 2.5 | 2.2 | 2.4 | 2.7 |
| Services ................................................. | 5.5 | 5.6 | 5.5 | 5.3 | 5.1 | 4.9 | 4.6 | 4.5 | 4.4 | 4.6 | 4.6 | 4.6 | 4.5 |
| Government workers | 2.9 | 2.8 | 3.0 | 2.9 | 3.0 | 2.9 | 2.6 | 2.6 | 2.3 | 2.5 | 2.2 | 2.3 | 2.1 |
| Agricultural wage and salary workers .................. | 11.6 | 10.6 | 10.4 | 9.7 | 10.0 | 8.8 | 9.2 | 9.0 | 9.3 | 9.3 | 8.2 | 7.8 | 7.5 |

${ }^{1}$ Seasonally adjusted data for service occupations are not available because the seasonal component, which is small relative to the trend-cycle and/or irregular components, cannot be separated with sufficient precision.

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey. Data have been revised baesd on the experience through December 1998. See the article in this issue for additional information.

## HOUSEHOLD DATA

SEASONALLY ADJUSTED
QUARTERLY AVERAGES
D-10. Unemployed persons by reason for unemployment, seasonally adjusted
(Numbers in thousands)

| Reason | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | II | III | IV | I | 11 | III | IV | 1 | 11 | III | IV |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs .. | 3,517 | 3,526 | 3,502 | 3,204 | 3,211 | 3,172 | 3,069 | 2,956 | 2,916 | 2,868 | 2,787 | 2,855 | 2,775 |
| On temporary layoff ... | 1,034 | 1,056 | 1,079 | 961 | 967 | 967 | 953 | 864 | 916 | 888 | 797 | 926 | 849 |
| Not on temporary layoff ............................................ | 2,483 | 2,470 | 2,423 | 2,243 | 2,244 | 2,205 | 2,116 | 2,092 | 2,000 | 1,980 | 1,990 | 1,929 | 1,926 |
| Job leavers ............................................................. | 832 | 785 | 710 | 759 | 843 | 812 | 806 | 843 | 711 | 770 | 715 | 744 | 705 |
| Reentrants | 2,488 | 2,463 | 2,572 | 2,498 | 2,525 | 2,503 | 2,392 | 2,238 | 2,214 | 2,203 | 2,103 | 2,119 | 2,101 |
| New entrants | 576 | 592 | 557 | 581 | 593 | 612 | 551 | 567 | 548 | 535 | 513 | 494 | 538 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Joo losers and persons who completed temporary jobs .. | 47.4 | 47.9 | 47.7 | 45.5 | 44.8 | 44.7 | 45.0 | 44.8 | 45.6 | 45.0 | 45.6 | 46.0 | 45.3 |
| On temporary layoff ................................................ | 13.9 | 14.3 | 14.7 | 13.6 | 13.5 | 13.6 | 14.0 | 13.1 | 14.3 | 13.9 | 13.0 | 14.9 | 13.9 |
| Not on temporary layoff | 33.5 | 33.5 | 33.0 | 31.9 | 31.3 | 31.1 | 31.0 | 31.7 | 31.3 | 31.1 | 32.5 | 31.1 | 31.5 |
| Job leavers | 11.2 | 10.7 | 9.7 | 10.8 | 11.7 | 11.4 | 11.8 | 12.8 | 11.1 | 12.1 | 11.7 | 12.0 | 11.5 |
| Reentrants | 33.6 | 33.4 | 35.0 | 35.5 | 35.2 | 35.3 | 35.1 | 33.9 | 34.7 | 34.5 | 34.4 | 34.1 | 34.3 |
| New entrants ............................................................ | 7.8 | 8.0 | 7.6 | 8.2 | 8.3 | 8.6 | 8.1 | 8.6 | 8.6 | 8.4 | 8.4 | 8.0 | 8.8 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs .. | 2.7 | 2.7 | 2.6 | 2.4 | 2.4 | 2.3 | 2.3 | 2.2 | 2.1 | 2.1 | 2.0 | 2.1 | 2.0 |
| Job leavers ............................................................. | . 6 | . 6 | . 5 | . 6 | . 6 | . 6 | . 6 | . 6 | . 5 | . 6 | . 5 | . 5 | . 5 |
| Reentrants | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | 1.8 | 1.6 | 1.6 | 1.6 | 1.5 | 1.5 | 1.5 |
| New entrants | 4 | . 4 | . 4 | . 4 | . 4 | . 5 | . 4 | . 4 | 4 | . 4 | . 4 | 4 | 4 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the experience through December 1998. See the article in this issue for additional information.

## D-11. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

| Duration | 1995 | 1996 |  |  |  | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IV | 1 | 11 | III | IV | 1 | 11 | III | IV | 1 | II | 111 | IV |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Less than 5 weeks | 2,729 | 2,669 | 2,616 | 2,580 | 2,673 | 2,617 | 2,517 | 2,491 | 2,518 | 2,637 | 2,596 | 2,639 | 2,638 |
| 5 to 14 weeks ................................... | 2,381 | 2,313 | 2,287 | 2,238 | 2,314 | 2,314 | 2,135 | 2,093 | 1,977 | 1,959 | 1,973 | 1,966 | 1,906 |
| 15 weeks and over .............................. | 2,319 | 2,363 | 2,402 | 2,270 | 2,200 | 2,121 | 2,119 | 2,074 | 1.914 | 1,781 | 1.537 | 1,629 | 1,596 |
| 15 to 26 weeks ................................ | 1,086 | 1,120 | 1,047 | 997 | 1,032 | 1,005 | 1,048 | 997 | 917 | 827 | 703 | 775 | 746 |
| 27 weeks and over ............................ | 1,233 | 1,243 | 1,355 | 1,273 | 1,169 | 1,116 | 1,071 | 1,077 | 997 | 954 | 834 | 854 | 850 |
| Average (mean) duration, in weeks ........ | 16.2 | 16.6 | 17.4 | 17.0 | 16.0 | 15.7 | 15.5 | 16.1 | 15.9 | 15.2 | 14.4 | 14.1 | 14.2 |
| Median duration, in weeks .................... | 8.1 | 8.2 | 8.5 | 8.4 | 7.9 | 8.0 | 8.1 | 8.0 | 7.6 | 7.1 | 6.5 | 6.7 | 6.4 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total unemployed ............................... | 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 |
| Less than 5 weeks ............................ | 36.7 | 36.3 | 35.8 | 36.4 | 37.2 | 37.1 | 37.2 | 37.4 | 39.3 | 41.3 | 42.5 | 42.3 | 43.0 |
| 5 to 14 weeks .................................. | 32.0 | 31.5 | 31.3 | 31.6 | 32.2 | 32.8 | 31.5 | 31.4 | 30.8 | 30.7 | 32.3 | 31.5 | 31.0 |
| 15 weeks and over ............................ | 31.2 | 32.2 | 32.9 | 32.0 | 30.6 | 30.1 | 31.3 | 31.2 | 29.9 | 27.9 | 25.2 | 26.1 | 26.0 |
| 15 to 26 weeks | 14.6 | 15.3 | 14.3 | 14.1 | 14.4 | 14.2 | 15.5 | 15.0 | 14.3 | 13.0 | 11.5 | 12.4 | 12.2 |
| 27 weeks and over ................. | 16.6 | 16.9 | 18.6 | 18.0 | 16.3 | 15.8 | 15.8 | 16.2 | 15.6 | 15.0 | 13.7 | 13.7 | 13.8 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey. Data
have been revised based on the expenence through December 1998. See the article in this issue for additional information.

D-12. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin
(Numbers in thousands)

| Employment status, sex, and age | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| TOTAL |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population. | 203,936 | 206,098 | 170,540 | 172,079 | 24,149 | 24,529 | 20,574 | 21,347 |
| Civilian labor force ....................... | 136,773 | 138,280 | 114,976 | 115,801 | 15,645 | 16,190 | 13,984 | 14,459 |
| Percent of population | 67.1 | 67.1 | 67.4 | 67.3 | 64.8 | 66.0 | 68.0 | 67.7 |
| Employed ............................................................. | 130,818 | 132,578 | 110,743 | 111,646 | 14,229 | 14,929 | 13,000 | 13,442 |
| Agriculture | 3,245 | 3,270 | 3,077 | 3,063 | 102 | 141 | 538 | 731 |
| Nonagricultural industries | 127,573 | 129,308 | 107,665 | 108,583 | 14,127 | 14,788 | 12,462 | 12.711 |
| Unemployed ....................................................... | 5.955 | 5,702 | 4,233 | 4,155 | 1,416 | 1,261 | 983 | 1,018 |
| Unemployment rate ............................................ | 4.4 | 4.1 | 3.7 | 3.6 | 9.1 | 7.8 | 7.0 | 7.0 |
| Not in labor force ................................................. | 67,162 | 67,818 | 55,564 | 56,278 | 8,503 | 8,338 | 6.591 | 6,887 |
| Men, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ......... | 98,139 | 99,216 | 82,881 | 83,680 | 10,832 | 11,002 | 10,502 | 10,876 |
| Civilian labor force ................. | 73,308 | 74,127 | 62,652 | 63,145 | 7,381 | 7,606 | 8,429 | 8,655 |
| Percent of population | 74.7 | 74.7 | 75.6 | 75.5 | 68.1 | 69.1 | 80.3 | 79.6 |
| Employed ........................................................... | 70,131 | 71,135 | 60,311 | 60,902 | 6,722 | 7,004 | 7,886 | 8,124 |
| Agriculture ..................................................... | 2,398 | 2,491 | 2,263 | 2,322 | 828 | 118 | 456 | 665 |
| Nonagricultural industries ................................... | 67,732 | 68,644 | 58,048 | 58,580 | 6,639 | 6,885 | 7,430 | 7,459 |
| Unemployed ....................................................... | 3,177 | 2,992 | 2,341 | 2,243 | 660 | 603 | 542 | 531 |
| Unemployment rate ............................................ | 4.3 | 4.0 | 3.7 | 3.6 | 8.9 | 7.9 | 6.4 | 6.1 |
| Not in labor force .................................................. | 24,831 | 25,088 | 20,229 | 20,536 | 3,451 | 3,395 | 2,073 | 2,221 |
| Men, 20 years and over |  |  |  | 77,241 | 9,640 | 9.794 | 9,370 | 9,700 |
| Civilian noninstitutional population ................................................................................... | 90,244 69,389 | 91,171 70,022 | 76,595 59,269 | 77,241 59,663 | 9,640 6,981 | 9,794 7,131 | 9,370 7,890 | 9,700 8,078 |
| Percent of population ........................................... | 76.9 | 76.8 | 77.4 | 77.2 | 72.4 | 72.8 | 84.2 | 83.3 |
| Employed ............................................................ | 66,777 | 67,674 | 57,342 | 57,892 | 6,443 | 6,669 | 7,438 | 7,655 |
| Agriculture ........................................................ | 2,263 | 2,318 | 2,131 | 2,156 | 82 | 113 | 435 | 624 |
| Nonagricultural industries | 64,514 | 65,355 | 55,212 | 55,736 | 6,362 | 6,556 | 7,003 | 7,031 |
| Unemployed ........... | 2,612 | 2,348 | 1,927 | 1,771 | 538 | 462 | 453 | 423 |
| Unemployment rate | 3.8 | 3.4 | 3.3 | 3.0 | 7.7 | 6.5 | 5.7 | 5.2 |
| Not in labor force ....... | 20,855 | 21,149 | 17,326 | 17,578 | 2,659 | 2,663 | 1,480 | 1,622 |
| Women, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 105,797 | 106,882 | 87,659 52,324 | 88,399 | 13,316 | 13,527 8584 | 10,073 | 10,471 5,804 |
| Civilian labor force | 63,465 | 64,152 | 52,324 | 52,657 | 8,264 | 8,584 | 5,555 | 5,804 |
| Percent of population | 60.0 | 60.0 | 59.7 | 59.6 | 62.1 | 63.5 | 55.2 | 55.4 |
| Employed ................ | 60.687 | 61,443 | 50,432 | 50,744 | 7,508 | 7,926 | 5,114 | 5,317 |
| Agriculture | 847 | 779 | 814 | 741 | 20 | 23 | 82 | 65 |
| Nonagricultural industries | 59,841 | 60,663 | 49,617 | 50,003 | 7,488 | 7,903 | 5,032 | 5,252 |
| Unemployed | 2,778 | 2,710 | 1,892 | 1,913 | 757 | 658 | 441 | 487 |
| Unemployment rate | 4.4 | 4.2 | 3.6 | 3.6 | 9.2 | 7.7 | 7.9 | 8.4 |
| Not in labor force .................................................... | 42,331 | 42,729 | 35,335 | 35,742 | 5,052 | 4.943 | 4,518 | 4,667 |
| Women, 20 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................ | 98,219 | 99,118 | 81,702 | 82,287 | 12,091 | 12,276 | 9,058 | 9,412 |
| Civilian labor force | 59,799 | 60,296 | 49,292 | 49,443 | 7,774 | 8,064 | 5,197 | 5,358 |
| Percent of population .......................................... | 60.9 | 60.8 | 60.3 | 60.1 | 64.3 | 65.7 | 57.4 | 56.9 |
| Employed ... | 57,513 | 58,065 | 47.715 | 47,882 | 7,170 | 7,513 | 4,824 | 4,982 |
| Agriculture | 809 | 742 | 780 | $\begin{array}{r}705 \\ \hline 177\end{array}$ | 18 | 22 | 82 | 62 |
| Nonagricultural industries .................................... | 56,704 | 57,322 | 46,935 | 47,177 | 7,152 | 7,491 | 4.742 | 4,921 |
| Unemployed ..................................................... | 2,286 | 2,231 | 1,577 | 1,561 | 604 | 551 | 373 | 375 |
| Unemployment rate ........................................... | 3.8 38.419 | 3.7 3882 | 3.2 | 3.2 32844 | 7.8 4.317 | 6.8 | 7.2 3.861 | 7.0 4.054 |
| Not in labor force ..................................................... | 38,419 | 38,822 | 32,410 | 32,844 | 4,317 | 4,212 | 3,861 | 4,054 |
| Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................. | 15,473 | 15,809 | 12,243 | 12,551 | 2,418 | 2,459 | 2,146 | 2,235 |
| Civilian labor force .................................................. | 7,585 | 7,962 | 6,415 | 6,695 | 891 | 996 | 896 | 1,023 |
| Percent of population .......................................... | 49.0 | 50.4 | 52.4 | 53.3 | 36.8 | 40.5 | 41.8 | 45.8 |
| Employed ............................................................ | 6,528 | 6,839 | 5,686 | 5,871 | 616 | 748 | 739 | 804 |
| Agriculture ........................................................ | 172 | 209 | 167 | 202 | 2 | 6 | 22 | 45 |
| Nonagricultural industries .................................... | 6,356 | 6,630 | 5,519 | 5,670 | 614 | 741 | 717 | 758 |
| Unemployed ...................................................... | 1,057 | 1,123 | 729 | 824 | 275 | 248 | 157 | 220 |
| Unemployment rate ........................................... | 13.9 | 14.1 | 11.4 | 12.3 | 30.8 | 24.9 | 17.6 | 21.5 |
| Not in labor force .................................................. | 7.888 | 7,846 | 5,828 | 5.856 | 1,527 | 1,463 | 1,250 | 1,211 |

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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES
D-13. Employment status of the Mexican, Puerto Rican, and Cuban origin population by sex and age
(Numbers in thousands)

| Employment status, sex, and age | Total Hispanic origin ${ }^{1}$ |  | Mexican origin |  | Puerto Rican origin |  | Cuban origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\underset{1997}{\text { IV }}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| TOTAL |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 20,574 | 21,347 | 12,541 | 13,325 | 2,345 | 2,077 | 1,026 | 1,084 |
| Civilian labor force | 13,984 | 14,459 | 8,655 | 9,135 | 1,383 | 1,274 | 654 | 673 |
| Percent of population ........................................ | 68.0 | 67.7 | 69.0 | 68.6 | 59.0 | 61.4 | 63.7 | 62.1 |
| Employed .......................................................... | 13,000 | 13,442 | 8,036 | 8,496 | 1,249 | 1,167 | 609 | 623 |
| Agriculture | 538 | 731 | 486 | 671 | 5 | 9 | 4 | 6 |
| Nonagricultural industries | 12,462 | 12,711 | 7,549 | 7,824 | 1,245 | 1,158 | 604 | 617 |
| Unemployed .................. | 983 | 1,018 | 619 | 640 | 134 | 107 | 45 | 49 |
| Unemployment rate | 7.0 | 7.0 | 7.2 | 7.0 | 9.7 | 8.4 | 6.9 | 7.3 |
| Not in labor force | 6,591 | 6,887 | 3,886 | 4,189 | 961 | 802 | 372 | 411 |
| Men, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 10,502 | 10,876 | 6,638 | 6,974 | 1,126 | 991 | 505 | 540 |
| Civilian labor force ................................................ | 8,429 | 8,655 | 5,423 | 5,677 | 783 | 698 | 386 | 403 |
| Percent of population | 80.3 | 79.6 | 81.7 | 81.4 | 69.5 | 70.5 | 76.4 | 74.5 |
| Employed ......................................................... | 7,886 | 8,124 | 5,080 | 5,344 | 705 | 639 | 360 | 380 |
| Agriculture | 456 | 665 | 412 | 609 | 4 | 8 | 4 | 6 |
| Nonagricultural industries | 7,430 | 7,459 | 4,668 | 4,735 | 701 | 631 | 356 | 374 |
| Unemployed | 542 | 531 | 343 | 334 | 77 | 59 | 26 | 22 |
| Unemployment rate | 6.4 | 6.1 | 6.3 | 5.9 | 9.9 | 8.4 | 6.6 | 5.5 |
| Not in labor force ................................................. | 2,073 | 2,221 | 1,215 | 1,296 | 344 | 293 | 119 | 138 |
| Men, 20 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................ | 9,370 | 9,700 | 5,868 | 6,185 | 979 | 875 | 489 | 515 |
| Civilian labor force | 7,890 | 8,078 | 5,044 | 5,277 | 714 | 638 | 376 | 386 |
| Percent of population ........................................ | 84.2 | 83.3 | 86.0 | 85.3 | 73.0 | 73.0 | 76.8 | 75.0 |
| Employed | 7,438 | 7,655 | 4,757 | 5,011 | 657 | 596 | 350 | 367 |
| Agriculture | 435 | 624 | 391 | 568 | 4 | 8 | 4 | 6 |
| Nonagricultural industries ................................... | 7.003 | 7.031 | 4,366 | 4,443 | 653 | 588 | 346 | 361 |
| Unemployed ................................................... | 453 | 423 | 287 | 266 | 57 | 42 | 26 | 19 |
| Unemployment rate | 5.7 | 5.2 | 5.7 | 5.0 | 8.0 | 6.6 | 6.8 | 4.8 |
| Not in labor force | 1,480 | 1,622 | 824 | 907 | 264 | 236 | 114 | 129 |
| Women, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 10,073 | 10,471 | 5,902 | 6,351 | 1,218 | 1,086 | 521 | 543 |
| Civilian labor force ........ | 5,555 | 5,804 | 3,232 | 3,458 | 601 | 577 | 268 | 270 |
| Percent of population | 55.2 | 55.4 | 54.7 | 54.4 | 49.3 | 53.1 | 51.4 | 49.8 |
| Employed .. | 5.114 | 5,317 | 2,955 | 3,152 | 544 | 528 | 248 | 243 |
| Agriculture | 82 | 65 | 74 | 63 | - | 1 | - | - |
| Nonagricultural industries | 5,032 | 5,252 | 2,881 | 3,089 | 544 | 527 | 248 | 243 |
| Unemployed ............... | 441 | 487 | 276 | 306 | 57 | 49 | 19 | 27 |
| Unemployment rate | 7.9 | 8.4 | 8.5 | 8.9 | 9.5 | 8.4 | 7.2 | 10.1 |
| Not in labor force ....... | 4.518 | 4,667 | 2,671 | 2,893 | 618 | 510 | 253 | 273 |
| Women, 20 years and over |  |  | 5,277 |  |  |  |  |  |
| Civilian labor force .................................................. | 9,058 | 9,412 5,358 | 5,277 3,006 | 3,594 | 1.061 | 983 | 498 | 526 |
| Percent of population ......................................... | 57.4 | 56.9 | 57.0 | 55.9 | 51.2 | 53.6 | 52.6 | 51.3 |
| Employed ......................................................... | 4,824 | 4,982 | 2,776 | 2,906 | 497 | 493 | 244 | 239 |
| Agriculture | 82 | 62 | 74 | 59 | - | 1 | - | - |
| Nonagricultural industries .................................. | 4,742 | 4,921 | 2,702 | 2,847 | 497 | 492 | 244 | 239 |
| Unemployed .................................................... | 373 | 375 | 230 | 220 | 46 | 34 | 18 | 27 |
| Unemployment rate .......................................... | 7.2 | 7.0 | 7.7 | 7.0 | 8.4 | 6.4 | 7.0 | 10.3 |
| Not in labor force ............. | 3,861 | 4,054 | 2,271 | 2,469 | 518 | 456 | 236 | 253 |
| Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................ | 2,146 | 2,235 | 1,396 | 1,546 | 305 | 220 | 38 | 49 |
| Civilian labor force .............................................. | 896 | 1,023 | 605 | 733 | 126 | 109 | 16 | 20 |
| Percent of population ......................................... | 41.8 | 45.8 | 43.3 | 47.4 | 41.4 | 49.7 | (2) | ${ }^{2}$ ) |
| Employed ......................................................... | 739 | 804 | 503 | 579 | 95 | 77 | 15 | 17 |
| Agriculture ..................................................... | 22 | 45 | 22 | 45 | - | - | - | - |
| Nonagricultural industries .................................. | 717 | 758 | 481 | 534 | 95 | 77 | 15 | 17 |
| Unemployed ................................................... | 157 | 220 | 102 | 154 | 31 | 32 | ${ }^{2}{ }^{1}$ | ${ }^{3}{ }^{3}$ |
| Unemployment rate ......................................... | 17.6 | 21.5 | 16.8 | 21.0 | 24.7 | 29.2 | $\left({ }^{2}\right)$ | (2) |
| Not in labor force ..... | 1,250 | 1,211 | 791 | 813 | 179 | 110 | 22 | 29 |

1 Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.
2 Data not shown where base is less than 60,000 .

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

D-14. Employed white, black, and Hispanic-origin workers by sex, occupation, class of worker, and full- or part-time status
(Numbers in thousands)

| Category | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\underset{1997}{\text { IV }}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| SEX |  |  |  |  |  |  |  |  |
| Total (all civilian workers) | 130,818 | 132,578 | 110,743 | 111,646 | 14,229 | 14,929 | 13,000 | 13,442 |
| Men ........................... | 70,131 | 71,135 | 60,311 | 60,902 | 6,722 | 7,004 | 7,886 | 8,124 |
| Women | 60,687 | 61,443 | 50,432 | 50,744 | 7,508 | 7,926 | 5,114 | 5,317 |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Managerial and professional specialty ....................................... | 38,265 | 39,916 | 33,417 | 34,774 | 2,909 | 3,086 | 1,893 | 1,932 |
| Executive, administrative, and managerial ................................. | 18,663 | 19,496 | 16,517 | 17,228 | 1,361 | 1,471 | 975 | 1,076 |
| Professional specialty ........................................................... | 19,602 | 20,420 | 16,900 | 17,546 | 1,548 | 1,615 | 918 | 856 |
| Technical, sales, and administrative support ................................ | 38,694 | 38,547 | 33,024 | 32,431 | 4,073 | 4,420 | 3,117 | 3,141 |
| Technicians and related support .............................................. | 4,256 | 4,163 | 3,626 | 3,455 | 404 | 465 | 263 | 282 |
| Sales occupations | 15,975 | 16,107 | 13,981 | 13,891 | 1,301 | 1,504 | 1,219 | 1,260 |
| Administrative support, including clerical | 18,462 | 18,276 | 15,416 | 15,086 | 2,369 | 2,451 | 1,635 | 1.600 |
| Service occupations | 17,725 | 17,838 | 13,716 | 13,723 | 3,126 | 3,258 | 2,681 | 2,706 |
| Private household | 830 | 861 | 672 | 700 | 133 | 134 | 224 | 272 |
| Protective service | 2,291 | 2,388 | 1,803 | 1,907 | 430 | 433 | 220 | 198 |
| Service, except private household and protective ....................... | 14,604 | 14,589 | 11,242 | 11,116 | 2.563 | 2,691 | 2,236 | 2,236 |
| Precision production, craft, and repair | 14,169 | 14,398 | 12,446 | 12,721 | 1,152 | 1,139 | 1,817 | 1,872 |
| Mechanics and repairers | 4,789 | 4,772 | 4,238 | 4,215 | 373 | 392 | 505 | 500 |
| Construction trades | 5,273 | 5,629 | 4,739 | 5,077 | 372 | 381 | 753 | 808 |
| Other precision production, craft, and repair .............................. | 4,107 | 3,996 | 3,468 | 3,428 | 408 | 365 | 560 | 564 |
| Operators, fabricators, and laborers | 18,638 | 18,475 | 15,035 | 14,856 | 2,825 | 2,852 | 2,870 | 2,995 |
| Machine operators, assemblers, and inspectors ......................... | 8,008 | 7,757 | 6,380 | 6,147 | 1,175 | 1,187 | 1,408 | 1,347 |
| Transportation and material moving occupations ........................ | 5,529 | 5,516 | 4.539 | 4,522 | 850 | 845 | 632 | 684 |
| Handlers, equipment cleaners, helpers, and laborers ............ | 5,102 | 5,201 | 4,116 | 4,187 | 800 | 820 | 831 | 964 |
| Construction laborers .......................................................... | 819 | 851 | 679 | 739 | 115 | 91 | 153 | 212 |
| Other handlers, equipment cleaners, helpers, and laborers ........ | 4,283 | 4,351 | 3,437 | 3,448 | 685 | 729 | 677 | 752 |
| Farming, forestry, and fishing ................................................... | 3,326 | 3,405 | 3,105 | 3,141 | 144 | 174 | 623 | 795 |
| CLASS OF WORKER |  |  |  |  |  |  |  |  |
| Agriculture: |  |  |  |  |  |  |  |  |
| Wage and salary workers ...................................................... | 1,735 | 1,950 | 1,625 | 1,796 | 67 | 106 | 491 | 681 |
| Self-employed workers .......................................................... | 1.459 | 1,284 | 1,403 | 1,231 | 35 | 36 | 45 | 47 |
| Unpaid family workers ........................................................... | 51 | 35 | 49 | 35 | - | - | 2 | 3 |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |
| Wage and salary workers ...................................................... | 118,542 | 120,276 | 99,554 | 100,535 | 13,634 | 14,237 | 11,880 | 12,160 |
| Govemment ....................................................................... | 18,301 | 18,783 | 14,727 | 15,037 | 2,816 | 2,935 | 1,381 | 1,320 |
| Private industries | 100,241 | 101,493 | 84,827 | 85,497 | 10,818 | 11,302 | 10,499 | 10,840 |
| Private households | 929 | 960 | 745 | 772 | 151 | 159 | 243 | 280 |
| Other industries ................................................................ | 99,312 | 100,533 | 84,081 | 84,725 | 10,667 | 11,143 | 10,256 | 10,560 |
| Self-employed workers .......................................................... | 8,939 | 8,929 | 8,032 | 7,964 | 491 | 545 | 581 | 547 |
| Unpaid family workers ........................................................... | 93 | 103 | 79 | 84 | 2 | 6 | 1 | 4 |
| FULL- OR PART-TIME STATUS |  |  |  |  |  |  |  |  |
| Full-time workers .................................................................... | 106,972 | 108,760 | 89,984 | 90,960 | 12,103 | 12,731 | 10,987 | 11,490 |
| Part-time workers ................................................................... | 23,846 | 23,817 | 20,759 | 20,686 | 2,126 | 2,199 | 2,014 | 1,952 |

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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household data.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

## D-15. Employed Mexican, Puerto Rican, and Cuban-origin workers by sex, occupation, class of worker, and full- or part-time status

(In thousands)

| Category | Total Hispanic origin ${ }^{1}$ |  | Mexican origin |  | Puerto Rican origin |  | Cuban origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\stackrel{\text { IV }}{1997}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| SEX |  |  |  |  |  |  |  |  |
| Total (all civilian workers) | 13,000 | 13,442 | 8,036 | 8,496 | 1,249 | 1,167 | 609 | 623 |
| Men | 7,886 | 8,124 | 5,080 | 5,344 | 705 | 639 | 360 | 380 |
| Women | 5,114 | 5,317 | 2,955 | 3,152 | 544 | 528 | 248 | 243 |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Managerial and professional specialty | 1,893 | 1,932 | 974 | 945 | 202 | 212 | 157 | 166 |
| Executive, administrative, and managerial ................................ | 975 | 1,076 | 518 | 551 | 102 | 110 | 95 | 103 |
| Professional specialty .......................................................... | 918 | 856 | 456 | 394 | 101 | 102 | 63 | 63 |
| Technical, sales, and administrative support . | 3,117 | 3,141 | 1,708 | 1,787 | 399 | 369 | 209 | 185 |
| Technicians and related support ............................................. | 263 | 282 | 130 | 165 | 37 | 23 | 17 | 22 |
| Sates occupations ............................................................... | 1,219 | 1,260 | 660 | 709 | 158 | 143 | 88 | 88 |
| Administrative support, including clerical ................................... | 1,635 | 1,600 | 917 | 913 | 205 | 203 | 104 | 75 |
| Service occupations ............................................................... | 2,681 | 2,706 | 1,619 | 1,710 | 256 | 199 | 66 | 83 |
| Private household | 224 | 272 | 101 | 128 | 1 | 3 | 2 | - |
| Protective service | 220 | 198 | 115 | 108 | 61 | 47 | 4 | 11 |
| Service, except private household and protective ....................... | 2,236 | 2,236 | 1,403 | 1,474 | 195 | 149 | 60 | 73 |
| Precision production, craft, and repair ......................................... | 1,817 | 1,872 | 1,272 | 1,232 | 131 | 147 | 67 | 67 |
| Mechanics and repairers ....................................................... | 505 | 500 | 311 | 326 | 48 | 42 | 38 | 22 |
| Construction trades .............................................................. | 753 | 808 | 560 | 541 | 36 | 48 | 17 | 22 |
| Other precision production, craft, and repair .............................. | 560 | 564 | 401 | 366 | 47 | 57 | 13 | 22 |
| Operators, fabricators, and laborers ........................................... | 2,870 | 2,995 | 1,918 | 2,106 | 253 | 222 | 102 | 112 |
| Machine operators, assemblers, and inspectors ......................... | 1,408 | 1,347 | 951 | 967 | 121 | 118 | 31 | 30 |
| Transportation and material moving occupations ........................ | 632 | 684 | 401 | 448 | 63 | 50 | 41 | 51 |
| Handlers, equipment cleaners, helpers, and laborers .................. | 831 | 964 | 566 | 691 | 69 | 54 | 30 | 32 |
| Construction laborers .......................................................... | 153 | 212 | 101 | 176 | 7 | 3 | 5 |  |
| Other handlers, equipment cleaners, helpers, and laborers ......... | 677 | 752 | 464 | 515 | 61 | 51 | 25 | 32 |
| Farming, forestry, and fishing ................................................... | 623 | 795 | 545 | 716 | 8 | 19 | 8 | 10 |
| CLASS OF WORKER |  |  |  |  |  |  |  |  |
| Agriculture: |  |  |  |  |  |  |  |  |
| Wage and salary workers ...................................................... | 491 | 681 | 449 | 630 | 4 | 8 | 4 | 6 |
| Self-employed workers .......................................................... | 45 | 47 | 35 | 39 | - | 2 | - | - |
| Unpaid family workers .......................................................... | 2 | 3 | 2 | 3 | - | - | - | - |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |
| Wage and salary workers ....................................................... | 11,880 | 12,160 | 7,227 | 7,536 | 1,205 | 1,115 | 562 | 597 |
| Govemment ........................................................................... | 1,381 | 1,320 | 849 | 811 | 187 | 186 | 60 | 70 |
| Private industries .................................................................. | 10,499 | 10,840 | 6,378 | 6,725 | 1,019 | 929 | 503 | 527 |
| Private households | 243 | 280 | 111 | 135 | 3 | 3 | 2 | - |
| Other industries | 10,256 | 10,560 | 6,267 | 6,590 | 1,016 | 926 | 501 | 527 |
| Self-employed workers .......................................................... | 581 | 547 | 322 | 286 | 39 | 40 | 42 | 20 |
| Unpaid family workers ........................................................... | 1 | 4 | 1 | 2 | - | 2 | - | - |
| FULL- OR PART-TIME STATUS |  |  |  |  |  |  |  |  |
| Full-time workers .................................................................... | 10,987 | 11,490 | 6,817 | 7,276 | 1,016 | 989 | 522 | 559 |
| Part time workers .................................................................... | 2,014 | 1,952 | 1,219 | 1,220 | 233 | 178 | 86 | 64 |

1 Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

D-16. Employed persons by age, sex, race, and Hispanic origin
(In thousands)

| Age and sex | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| Total, 16 years and over ...................................... | 130,818 | 132,578 | 110,743 | 111,646 | 14,229 | 14,929 | 13.000 | 13,442 |
| 16 to 19 years ....................................................... | 6,528 | 6,839 | 5,686 | 5,871 | 616 | 748 | 739 | 804 |
| 16 to 17 years ..................................................... | 2,607 | 2,657 | 2,313 | 2,330 | 216 | 249 | 214 | 206 |
| 18 to 19 years | 3,922 | 4,182 | 3,373 | 3,542 | 400 | 499 | 525 | 598 |
| 20 to 24 years. | 12,412 | 12,664 | 10,369 | 10,549 | 1,475 | 1,574 | 1,781 | 1,927 |
| 25 years and over | 111,877 | 113,074 | 94,688 | 95,226 | 12,138 | 12,608 | 10,481 | 10,711 |
| 25 to 54 years | 95,338 | 96,067 | 80,082 | 80,275 | 10,771 | 11,164 | 9,449 | 9,725 |
| 55 years and over | 16,539 | 17,007 | 14,605 | 14,951 | 1,367 | 1,445 | 1,031 | 986 |
| Men, 16 years and over ....................................... | 70,131 | 71,135 | 60,311 | 60,902 | 6,722 | 7,004 | 7,886 | 8,124 |
| 16 to 19 years. | 3,354 | 3,462 | 2,969 | 3,010 | 279 | 335 | 448 | 469 |
| 16 to 17 years ..................................................... | 1,336 | 1,319 | 1,188 | 1,159 | 103 | 117 | 128 | 107 |
| 18 to 19 years | 2,018 | 2,142 | 1,781 | 1,851 | 175 | 218 | 321 | 362 |
| 20 to 24 years | 6,467 | 6,667 | 5,488 | 5,679 | 691 | 698 | 1,087 | 1,204 |
| 25 years and over | 60,310 | 61,007 | 51,854 | 52,213 | 5,752 | 5,971 | 6,350 | 6,451 |
| 25 to 54 years | 51,119 | 51,569 | 43,650 | 43,843 | 5,114 | 5,283 | 5,744 | 5,842 |
| 55 years and over ............................................... | 9,190 | 9.437 | 8,204 | 8,370 | 638 | 688 | 606 | 609 |
| Women. 16 years and over ................................. | 60,687 | 61,443 | 50,432 | 50,744 | 7,508 | 7,926 | 5,114 | 5,317 |
| 16 to 19 years ........................................................ | 3,174 | 3,378 | 2,717 | 2,862 | 337 | 413 | 290 | 335 |
| 16 to 17 years | 1,271 | 1,338 | 1,125 | 1,171 | 113 | 132 | 86 | 100 |
| 18 to 19 years | 1,904 | 2,040 | 1,592 | 1,691 | 224 | 281 | 204 | 235 |
| 20 to 24 years ....................................................... | 5,945 | 5,997 | 4,881 | 4,869 | 785 | 876 | 693 | 722 |
| 25 years and over .................................................. | 51,568 | 52,067 | 42,834 | 43,013 | 6,386 | 6,637 | 4,130 | 4,260 |
| 25 to 54 years | 44,219 | 44,497 | 36,433 | 36,432 | 5,657 | 5,880 | 3,705 | 3,883 |
| 55 years and over ............................................... | 7,349 | 7,570 | 6,401 | 6,581 | 728 | 756 | 425 | 377 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the

## HOUSEHOLD DATA

NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

## D-17. Unemployment rates by age, sex, race, and Hispanic origin

| Age and sex | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { N } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| Total, 16 years and over ..................................... | 4.4 | 4.1 | 3.7 | 3.6 | 9.1 | 7.8 | 7.0 | 7.0 |
| 16 to 19 years | 13.9 | 14.1 | 11.4 | 12.3 | 30.8 | 24.9 | 17.6 | 21.5 |
| 16 to 17 years. | 15.6 | 16.0 | 13.0 | 14.2 | 33.8 | 28.9 | 20.6 | 30.5 |
| 18 to 19 years | 12.8 | 12.8 | 10.3 | 11.0 | 29.1 | 22.7 | 16.2 | 17.8 |
| 20 to 24 years ... | 7.8 | 6.5 | 6.4 | 5.5 | 16.8 | 13.2 | 10.3 | 8.7 |
| 25 years and over | 3.3 | 3.2 | 2.9 | 2.8 | 6.5 | 5.8 | 5.6 | 5.4 |
| 25 to 54 years .... | 3.4 | 3.3 | 3.0 | 2.8 | 6.8 | 6.0 | 5.5 | 5.4 |
| 55 years and over ............................................... | 2.6 | 2.7 | 2.4 | 2.5 | 4.0 | 4.0 | 6.2 | 5.8 |
| Men, 16 years and over | 4.3 | 4.0 | 3.7 | 3.6 | 8.9 | 7.9 | 6.4 | 6.1 |
| 16 to 19 years ....................................................... | 14.4 | 15.7 | 12.2 | 13.6 | 30.4 | 29.7 | 16.7 | 18.7 |
| 16 to 17 years. | 16.3 | 18.6 | 13.9 | 16.7 | 33.0 | 33.1 | 20.5 | 30.0 |
| 18 to 19 years | 13.2 | 13.8 | 11.1 | 11.5 | 28.8 | 27.7 | 15.0 | 14.7 |
| 20 to 24 years ...................................................... | 8.8 | 6.8 | 7.3 | 5.8 | 18.7 | 14.1 | 10.9 | 8.5 |
| 25 years and over ................................................ | 3.2 | 3.0 | 2.8 | 2.6 | 6.2 | 5.5 | 4.8 | 4.6 |
| 25 to 54 years..... | 3.3 | 3.0 | 2.8 | 2.6 | 6.5 | 5.6 | 4.5 | 4.5 |
| 55 years and over .............................................. | 2.8 | 2.8 | 2.7 | 2.6 | 3.5 | 4.2 | 7.3 | 5.6 |
| Women, 16 years and over ................................. | 4.4 | 4.2 | 3.6 | 3.6 | 9.2 | 7.7 | 7.9 | 8.4 |
| 16 to 19 years. | 13.4 | 12.4 | 10.4 | 10.9 | 31.2 | 20.5 | 18.9 | 25.0 |
| 16 to 17 years ..................................................... | 15.0 | 13.4 | 11.9 | 11.7 | 34.6 | 24.7 | 20.8 | 31.2 |
| 18 to 19 years ................................................... | 12.3 | 11.8 | 9.3 | 10.4 | 29.3 | 18.4 | 18.1 | 22.0 |
| 20 to 24 years.. | 6.8 | 6.2 | 5.4 | 5.1 | 15.1 | 12.4 | 9.4 | 8.9 |
| 25 years and over. | 3.5 | 3.4 | 2.9 | 2.9 | 6.8 | 6.0 | 6.8 | 6.7 |
| 25 to 54 years. | 3.7 | 3.5 | 3.1 | 3.0 | 7.1 | 6.3 | 7.0 | 6.7 |
| 55 years and over ............................................... | 2.3 | 2.5 | 2.0 | 2.4 | 4.5 | 3.9 | 4.7 | 6.1 |

NOTE: Beginning in January 1998, data reflect new composite household survey. estimation procedures and revised population controls used in the

D-18. Unemployed persons by reason for unemployment, race, and Hispanic origin
(Numbers in thousands)

| Reasons | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |
| Total unemployed | 5,955 | 5,702 | 4,233 | 4,155 | 1,416 | 1,261 | 983 | 1,018 |
| Job losers and persons who completed temporary jobs .......... | 2,758 | 2,621 | 2,057 | 1,982 | 564 | 524 | 504 | 481 |
| On temporary layoff ....................................................... | 809 | 752 | 677 | 636 | 98 | 90 | 147 | 148 |
| Not on temporary layoff ................................................... | 1,949 | 1,869 | 1,379 | 1,347 | 466 | 434 | 357 | 333 |
| Permanent job losers .................................................... | 1,303 | 1,272 | 982 | 928 | 254 | 275 | 211 | 203 |
| Persons who completed temporary jobs ........................... | 645 | 596 | 398 | 419 | 212 | 159 | 146 | 130 |
| Job leavers ......... | 688 | 679 | 531 | 524 | 125 | 125 | 78 | 77 |
| Reentrants | 2,058 | 1,957 | 1,379 | 1,368 | 573 | 480 | 304 | 337 |
| New entrants .................................................................. | 451 | 446 | 266 | 281 | 154 | 132 | 98 | 122 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 46.3 | 46.0 | 48.6 | 47.7 | 39.8 | 41.6 | 51.3 | 47.3 |
| On temporary layoff | 13.6 | 13.2 | 16.0 | 15.3 | 6.9 | 7.2 | 14.9 | 14.6 |
| Not on temporary layoff .................................................. | 32.7 | 32.8 | 32.6 | 32.4 | 32.9 | 34.4 | 36.3 | 32.7 |
| Job leavers .................................................................. | 11.6 | 11.9 | 12.5 | 12.6 | 8.8 | 9.9 | 7.9 | 7.6 |
| Reentrants ................................................................... | 34.6 | 34.3 | 32.6 | 32.9 | 40.5 | 38.1 | 30.9 | 33.1 |
| New entrants | 7.6 | 7.8 | 6.3 | 6.8 | 10.8 | 10.5 | 9.9 | 12.0 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 2.0 | 1.9 | 1.8 | 1.7 | 3.6 | 3.2 | 3.6 | 3.3 |
| Job leavers ................................................................... | . 5 | . 5 | . 5 | . 5 | . 8 | . 8 | . 6 | . 5 |
| Reentrants ... | 1.5 | 1.4 | 1.2 | 1.2 | 3.7 | 3.0 | 2.2 | 2.3 |
| New entrants ................................................................ | . 3 | . 3 | . 2 | . 2 | 1.0 | . 8 | . 7 | . 8 |

NOTE: Detail for the above race and Hispanic-orgin 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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
household data
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES

## D-19. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

| Duration | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\underset{\substack{\text { IV } \\ \hline}}{ }$ |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |
| Total, 16 years and over | 5,955 | 5,702 | 4,233 | 4,155 | 1,416 | 1,261 | 983 | 1,018 |
| Less than 5 weeks | 2,300 | 2,413 | 1.732 | 1,918 | 454 | 370 | 390 | 460 |
| 5 to 14 weeks | 1,898 | 1,825 | 1,348 | 1,291 | 453 | 432 | 326 | 315 |
| 15 weeks and over | 1,757 | 1,463 | 1,154 | 946 | 510 | 458 | 267 | 243 |
| 15 to 26 weeks ... | 818 | 660 | 547 | 446 | 233 | 192 | 124 | 110 |
| 27 weeks and over ....... | 939 | 803 | 607 | 500 | 276 | 267 | 143 | 133 |
| Average (mean) duration, in weeks ........................... | 16.0 | 14.4 | 14.9 | 12.7 | 18.6 | 19.7 | 15.3 | 13.1 |
| Median duration, in weeks ...... | 7.4 | 6.2 | 6.7 | 5.3 | 9.3 | 10.2 | 7.0 | 5.6 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |
| Total unemployed | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Less than 5 weeks ................................................. | 38.6 | 42.3 | 40.9 | 46.2 | 32.1 | 29.4 | 39.7 | 45.2 |
| 5 to 14 weeks | 31.9 | 32.0 | 31.8 | 31.1 | 32.0 | 34.3 | 33.1 | 30.9 |
| 15 weeks and over ................................................ | 29.5 | 25.7 | 27.3 | 22.8 | 36.0 | 36.3 | 27.2 | 23.9 |
| 15 to 26 weeks ................................................ | 13.7 | 11.6 | 12.9 | 10.7 | 16.5 | 15.2 | 12.6 | 10.8 |
| 27 weeks and over .............................................. | 15.8 | 14.1 | 14.3 | 12.0 | 19.5 | 21.1 | 14.6 | 13.1 |

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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED QUARTERLY AVERAGES

D-20. Median weekly earnings of full-time wage and salary workers by selected characteristics

| Characteristic | Number of workers (in thousands) |  | Median weekly earnings |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| SEX AND AGE |  |  |  |  |
| Total, 16 years and over | 94,355 | 96,213 | \$511 | \$541 |
| Men, 16 years and over ............................................................... | 53,455 | 54,459 | 587 | 614 |
| 16 to 24 years .......................................................................... | 5,956 | 6,245 | 323 | 342 |
| 25 years and over ..................................................................... | 47,499 | 48,214 | 621 | 664 |
| Women, 16 years and over ......................................................... | 40,900 | 41,754 | 440 | 471 |
| 16 to 24 years .... | 4,364 | 4,563 | 299 | 311 |
| 25 years and over ..................................................................... | 36,535 | 37,191 | 470 | 495 |
| RACE, HISPANIC ORIGIN, AND SEX |  |  |  |  |
| White ................................................................................... | 78,440 | 79,627 | 528 | 565 |
| Men | 45,462 | 46,128 | 602 | 635 |
| Women ................................................................................. | 32,978 | 33,499 | 454 | 481 |
| Black ..................................................................................... | 11,516 | 12,015 | 410 | 439 |
| Men . | 5,597 | 5,807 | 457 | 481 |
| Women ............................................................................ | 5,918 | 6,208 | 371 | 405 |
| Hispanic origin ............................................................................ | 10,293 | 10,812 | 354 | 372 |
| Men ........................................................................................ | 6,649 | 6,875 | 375 | 397 |
| Women ................................................................................. | 3,644 | 3,937 | 317 | 337 |

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. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES
D-21. Median weekly earnings of part-time wage and salary workers by selected characteristics

| Characteristic | Number of workers (in thousands) |  | Median weekily earnings |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { iv } \\ 1998 \end{gathered}$ |
| SEX AND AGE |  |  |  |  |
| Total, 16 years and over ................................................................. | 21,205 | 21,324 | \$150 | \$158 |
| Men, 16 years and over ............................................................... | 6,635 | 6,739 | 137 | 143 |
| 16 to 24 years .......................................................................... | 3,629 | 3,622 | 111 | 115 |
| 25 years and over ................................................................... | 3,006 | 3,117 | 187 | 195 |
| Women, 16 years and over ......................................................... | 14,570 | 14,585 | 155 | 165 |
| 16 to 24 years ........................................................................ | 4,586 | 4,615 | 111 | 117 |
| 25 years and over ..................................................................... | 9,984 | 9,970 | 185 | 199 |
| RACE, HISPANIC ORIGIN, AND SEX |  |  |  |  |
| White ........................................................................................ | 18,298 | 18,310 | 151 | 159 |
| Men ... | 5,632 | 5,639 | 136 | 143 |
| Women ................................................................................. | 12,666 | 12,671 | 157 | 167 |
| Black ....................................................................................... | 2,041 | 2,172 | 140 | 148 |
| Men ........................................................................................ | 686 | 735 | 141 | 138 |
| Women .................................................................................. | 1,355 | 1,437 | 139 | 154 |
| Hispanic origin ........................................................................... | 1,809 | 1,752 | 151 | 163 |
| Men ...................................................................................... | 657 | 587 | 148 | 171 |
| Women .................................................................................. | 1,152 | 1,166 | 152 | 158 |

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. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

D-22. Median weekly earnings of full-time wage and salary workers by occupation and sex

| Occupation and sex | Number of workers (in thousands) |  | Median weekly earnings |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| TOTAL |  |  |  |  |
| Managerial and professional specialty | 28,609 | 30,396 | \$754 | \$792 |
| Executive, administrative, and managerial ............................................... | 14,162 | 15,034 | 741 | 788 |
| Professional specialty ....................................................................... | 14,447 | 15,362 | 764 | 795 |
| Technical, sales, and administrative support | 27,306 | 27,225 | 466 | 482 |
| Technicians and reiated support ............... | 3,554 | 3,349 | 601 | 611 |
| Sales occupations | 9.724 | 9,734 | 502 | 510 |
| Administrative support, including clerical | 14,028 | 14,143 | 419 | 443 |
| Service occupations ........................... | 10,342 | 10,469 | 320 | 325 |
| Private nousehoid. | 389 | 413 | 244 | 236 |
| Protective service ............................................................................ | 1,891 | 2,071 | 587 | 615 |
| Service, except private nousehold and protective ...................................... | 8,062 | 7,985 | 300 | 306 |
| Precision production, craft, and repair ................................................... | 11,447 | 11,245 | 541 | 585 |
| Mechanics and repairers .................................................................... | 4,148 | 3,807 | 573 | 606 |
| Construction trades ......................................................................... | 3,734 | 4,049 | 541 | 566 |
| Other precision production, craft, and repair | 3,565 | 3,389 | 515 | 580 |
| Operators, fabricators, and laborers . | 15,337 | 15,158 | 405 | 423 |
| Machine operators, assemblers, and inspectors ..................................... | 7,118 | 6,985 | 397 | 420 |
| Transporation and material moving occupations | 4,412 | 4,349 | 499 | 520 |
| Handlers, equipment cleaners, helpers, and laborers | 3,807 | 3,824 | 323 | 359 |
| Farming, forestry, and fishing .................................................................. | 1,314 | 1,721 | 292 | 303 |
| Men |  |  |  |  |
| Managerial and professional specialty | 14,483 | 15,579 | 908 | 942 |
| Executive, administrative, and managerial | 7,446 | 8,111 | 901 | 947 |
| Professional specialty | 7,036 | 7,468 | 915 | 937 |
| Technical, sales, and administrative support | 10,427 | 10,349 | 595 | 612 |
| Technicians and related support ............... | 1,857 | 1,698 | 691 | 738 |
| Sales occupations | 5,291 | 5,238 | 630 | 635 |
| Administrative support, including clerical .................................................. | 3,279 | 3,414 | 493 | 526 |
| Service occupations | 5,254 | 5,239 | $1^{381}$ | $1^{396}$ |
| Private household | 48 | 30 | $\left({ }^{1}\right)$ | (1) |
| Protective service | 1,576 | 1,739 | \$614 | \$629 |
| Service, except private household and protective | 3,630 | 3,469 | 321 | 321 |
| Precision production, craft, and repair ........................................................ | 10,528 | 10,317 | 562 | 597 |
| Mechanics and repairers ............. | 4,034 | 3,681 | 576 | 604 |
| Construction trades | 3,684 | 3,985 | 545 | 567 |
| Other precision production, craft, and repair | 2,810 | 2,651 | 564 | 617 |
| Operators, fabricators, and laborers .............. | 11,621 | 11,501 | 447 | 467 |
| Machine operaiors, assemblers, and inspectors | 4,445 | 4,490 | 477 | 487 |
| Transportation and matenal moving occupations | 4,079 | 3,979 | 505 | 537 |
| Handlers, equipment cleaners, helpers, and laborers ..... | 3,097 | 3,032 | 339 | 372 |
| Farming, forestry, and fishing ................................. | 1.143 | 1,475 | 296 | 313 |
| Women |  |  |  |  |
| Managerial and professional specialty ....................................................... | 14,126 | 14,817 | 644 | 672 |
| Executive, administrative, and managerial ................................................... | 6,715 | 6,923 | 614 | 642 |
| Protessional specialty ............................. | 7,411 | 7.894 | 676 | 698 |
| Technical, sales, and administrative support. | 16,879 | 16,876 | 408 | 422 |
| Technicians and related support ................ | 1,697 | 1,651 | 524 | 519 |
| Sales occupations ....... | 4,433 | 4,496 | 360 | 375 |
| Administrative support. inciuding clerical ...................................................... | 10,749 | 10,729 | 406 | 421 |
| Service occupations .............................................................................. | 5.088 | 5,230 | 286 | 298 |
| Private household . | 341 | 382 | 238 | 227 |
| Protective service | 315 | 331 | 449 | 542 |
| Service, except private household and protective ....................................... | 4,432 | 4,516 | 283 | 296 |
| Precision production, craft, and repair ....................................................... | 919 | 928 | 389 | 439 |
| Mechanics and repairers ........................................................................ | 114 | 126 |  | $1^{690}$ |
| Construction trades .......... | 50 | 64 | (1) | ( ${ }^{1}$ ) |
| Other precision production, craft, and repair .............................................. | 755 | 737 | \$384 | \$414 |
| Operators, fabricators, and laborers ........................................................... | 3,716 | 3,657 | 313 | 342 |
| Machine operaiors, assemblers, and inspectors ........................................ | 2,673 | 2,495 | 316 | 345 |
| Transportation and material moving occupations ........................................ | 333 | 370 | 400 | 406 |
| Handlers, equipment cleaners, helpers, and laborers .................................. | 711 | 793 | 285 | 315 |
| Farming, forestry, and fishing ................................................................... | 171 | 246 | 271 | 253 |

1 Data not shown where base is less than 100,000 .
NOTE: Beginning in January 1998, data reflect new composite
estimation procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA NOT SEASONALLY ADJUSTED QUARTERLY AVERAGES

## D-23. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

| Veteran status and age | Civilian noninstitutional population |  | Civilian labor force |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | Total |  | Employed |  | Unemployed |  |  |  |
|  |  |  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\underset{1998}{\text { IV }}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | Number |  | Percent of labor force |  |
|  |  |  |  |  |  |  | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ \text { 1998 } \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| VIETNAM-ERA VETERANS |  |  |  |  |  |  |  |  |  |  |
| Total, 40 years and over ...................................... | 7,779 | 7,779 | 6,590 | 6,478 | 6,420 | 6,324 | 170 | 154 | 2.6 | 2.4 |
| 40 to 54 years ................................................. | 6,156 | 5,796 | 5,538 | 5,149 | 5,395 | 5,025 | 143 | 124 | 2.6 | 2.4 |
| 40 to 44 years ............................................... | 867 | 630 | 772 | 561 | 753 | 540 | 19 | 21 | 2.5 | 3.7 |
| 45 to 49 years .............................................. | 2,492 | 2,084 | 2,252 | 1,881 | 2,198 | 1,835 | 54 | 46 | 2.4 | 2.4 |
| 50 to 54 years .............................................. | 2,797 | 3,083 | 2,514 | 2,707 | 2,444 | 2,649 | 70 | 58 | 2.8 | 2.1 |
| 55 years and over ........................................... | 1,623 | 1,983 | 1,052 | 1,329 | 1,025 | 1,300 | 27 | 30 | 2.6 | 2.2 |
| NONVETERANS |  |  |  |  |  |  |  |  |  |  |
| Total, 40 to 54 years .......................................... | 19,858 | 20,615 | 17,966 | 18,674 | 17,439 | 18,210 | 527 | 465 | 2.9 | 2.5 |
| 40 to 44 years ................................................. | 9,143 | 9,317 | 8,460 | 8,602 | 8,218 | 8,386 | 242 | 216 | 2.9 | 2.5 |
| 45 to 49 years ................................................. | 6,471 | 6,994 | 5,857 | 6,363 | 5,687 | 6,197 | 170 | 166 | 2.9 | 2.6 |
| 50 to 54 years ................................................. | 4,244 | 4,304 | 3,649 | 3,710 | 3,534 | 3,626 | 115 | 83 | 3.2 | 2.3 |

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces. Beginning in January 1998, data reflect new
composite estimation procedures and revised population controls used in the household survey.

D-24. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin
(Numbers in thousands)

| Employment status and age | Veterans |  |  |  |  |  | Nonveterans |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | White |  | Black |  | Hispanic origin |  | White |  | Black |  | Hispanic origin |  |
|  | $\underset{1997}{\stackrel{\text { IV }}{2}}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { N } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ \text { 1997 } \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ \text { 1998 } \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1997 \end{gathered}$ | $\begin{gathered} \text { IV } \\ 1998 \end{gathered}$ |
| Total, 40 to 54 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 5,518 | 5,111 | 520 | 567 | 251 | 231 | 16,737 | 17,464 | 2,101 | 2,102 | 2,051 | 2.186 |
| Civilian labor force .. | 5,008 | 4,573 | 427 | 483 | 219 | 207 | 15,343 | 16,064 | 1,712 | 1,675 | 1,849 | 1,931 |
| Employed | 4,891 | 4,459 | 404 | 474 | 215 | 198 | 14,936 | 15,696 | 1,633 | 1,599 | 1,768 | 1,853 |
| Unemployed .......................................................... | 117 | 114 | 23 | 9 | 4 | 9 | 406 | 368 | 79 | 76 | 81 | 77 |
| Unemployment rate .............................................. | 2.3 | 2.5 | 5.4 | 1.9 | 2.0 | 4.4 | 2.6 | 2.3 | 4.6 | 4.5 | 4.4 | 4.0 |
| 40 to 44 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 731 | 493 | 117 | 115 | 65 | 36 | 7,728 | 7,929 | 937 | 929 | 966 | 1,036 |
| Civilian labor force .................................................... | 657 | 442 | 98 | 104 | 59 | 33 | 7,241 | 7,412 | 780 | 770 | 903 | 935 |
| Employed. | 643 | 426 | 93 | 99 | 56 | 30 | 7,055 | 7,249 | 742 | 726 | 864 | 895 |
| Unemployed | 14 | 16 | 5 | 5 | 2 | 3 | 187 | 164 | 39 | 43 | 39 | 40 |
| Unemployment rate .............................................. | 2.2 | 3.6 | 5.0 | 4.9 | ( ${ }^{1}$ | $\left({ }^{1}\right)$ | 2.6 | 2.2 | 4.9 | 5.6 | 4.3 | 4.3 |
| 45 to 49 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 2,208 | 1,808 | 237 | 224 | 89 | 86 | 5,450 | 5,937 | 702 | 740 | 660 | 681 |
| Civilian labor force | 2,012 | 1,648 | 199 | 190 | 73 | 80 | 4,978 | 5,488 | 599 | 594 | 577 | 610 |
| Employed ............................................................ | 1,972 | 1,606 | 187 | 186 | 72 | 77 | 4,843 | 5,353 | 578 | 572 | 551 | 586 |
| Unemployed ......................................................... | 40 | 42 | 12 | 4 | 1 | 3 | 135 | 135 | 21 | 22 | 26 | 24 |
| Unemployment rate .............................................. | 2.0 | 2.5 | 5.9 | 2.0 | 1.8 | 4.3 | 2.7 | 2.5 | 3.6 | 3.7 | 4.5 | 4.0 |
| 50 to 54 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 2,580 | 2,809 | 166 | 228 | 96 | 109 | 3,559 | 3,599 | 462 | 433 | 426 | 469 |
| Civilian labor force .................................................... | 2,338 | 2,483 | 130 | 189 | 88 | 94 | 3,124 | 3,163 | 332 | 312 | 369 | 386 |
| Employed .............................................................. | 2,276 | 2,426 | 124 | 189 | 87 | 92 | 3,039 | 3,094 | 313 | 301 | 353 | 372 |
| Unemployed ......................................................... | 62 | 57 | 6 | 1 | 1 | 2 | 85 | 70 | 19 | 11 | 17 | 13 |
| Unemployment rate .............................................. | 2.7 | 2.3 | 4.7 | . 3 | . 7 | 2.5 | 2.7 | 2.2 | 5.7 | 3.4 | 4.5 | 3.4 |

${ }^{1}$ Data not shown where base is less than 60,000 .
NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces. 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. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

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## Annual Averages

1. Employment status of the civilian noninstitutional population, 1935 to date
(Numbers in thousands)

| Year | Civilian noninsti1utional population | Civilian labor force |  |  |  |  |  |  | Not in labor force |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Percent of population | Employed |  |  | Unemployed |  |  |
|  |  | Total |  | Total | Agriculture | Nonagricultural industries | Number | $\begin{aligned} & \text { Percent } \\ & \text { of } \\ & \text { labor } \\ & \text { force } \end{aligned}$ |  |
|  | Persons 14 years of age and over |  |  |  |  |  |  |  |  |
| 1935 | (1) | 52,870 | (1) | 42,260 | 10,110 | 32,150 | 10,610 | 20.1 | (1) |
| 1936 ......................................... | (1) | 53,440 | (1) | 44,410 | 10,000 | 34,410 | 9,030 | 16.9 | (1) |
| 1937 .......................................... | (1) | 54,000 | (1) | 46,300 | 9,820 | 36,480 | 7,700 | 14.3 | (1) |
| 1938 | (1) | 54,610 | (1) | 44,220 | 9,690 | 34,530 | 10,390 | 19.0 | (1) |
| 1939 .......................................... | (1) | 55,230 | (1) | 45,750 | 9.610 | 36,140 | 9,480 | 17.2 | (1) |
| 1940 ........................................... | (1) | 55,640 | (1) | 47,520 | 9,540 | 37,980 | 8,120 | 14.6 | $\binom{1}{1}$ |
| 1941 ........................................... | (1) | 55,910 | (1) | 50,350 | 9,100 | 41,250 | 5,560 | 9.9 | (1) |
| 1942 ........................................... | 98,640 | 56,410 | 57.2 | 53,750 | 9,250 | 44,500 | 2,660 | 4.7 | 42,230 |
| 1943 | 94,640 | 55,540 | 58.7 | 54,470 | 9.080 | 45,390 | 1,070 | 1.9 | 39,100 |
| 1944 | 93,220 | 54,630 | 58.6 | 53,960 | 8,950 | 45,010 | 670 | 1.2 | 38,590 |
| 1945 | 94,090 | 53,860 | 57.2 | 52,820 | 8,580 | 44,240 | 1,040 | 1.9 | 40,230 |
| $\begin{aligned} & 1946 . \\ & 1947 . \end{aligned}$ | 103,070 | 57,520 | 55.8 | 55,250 | 8,320 | 46,930 | 2,270 | 3.9 | 45,550 |
|  | 106,018 | 60,168 | 56.8 | 57,812 | 8,256 | 49,557 | 2,356 | 3.9 | 45,850 |
|  | Persons 16 years of age and over |  |  |  |  |  |  |  |  |
| 1947 ........................................... | 101,827 | 59,350 | 58.3 | 57,038 | 7,890 | 49,148 | 2,311 | 3.9 | 42,477 |
| 1948 | 103,068 | 60,621 | 58.8 | 58,343 | 7,629 | 50,714 | 2,276 | 3.8 | 42,447 |
| 1949 ........................................ | 103,994 | 61,286 | 58.9 | 57,651 | 7.658 | 49,993 | 3,637 | 5.9 | 42,708 |
| 1950 | 104,995 | 62,208 | 59.2 | 58,918 | 7.160 | 51,758 | 3,288 | 5.3 | 42,787 |
| 1951 | 104,621 | 62,017 | 59.2 | 59,961 | 6,726 | 53,235 | 2,055 | 3.3 | 42,604 |
| 1952 | 105,231 | 62,138 | 59.0 | 60,250 | 6,500 | 53,749 | 1,883 | 3.0 | 43,093 |
| 19532 | 107,056 | 63,015 | 58.9 | 61,179 | 6,260 | 54,919 | 1,834 | 2.9 | 44,041 |
| 1954 | 108,321 | 63,643 | 58.8 | 60,109 | 6,205 | 53,904 | 3,532 | 5.5 | 44,678 |
| 1955. | 109,683 | 65,023 | 59.3 | 62,170 | 6,450 | 55,722 | 2,852 | 4.4 | 44,660 |
| 1956 | 110,954 | 66,552 | 60.0 | 63,799 | 6,283 | 57,514 | 2,750 | 4.1 | 44,402 |
| 1957 | 112.265 | 66,929 | 59.6 | 64,071 | 5,947 | 58,123 | 2,859 | 4.3 | 45,336 |
| 1958 | 113,727 | 67,639 | 59.5 | 63,036 | 5,586 | 57,450 | 4,602 | 6.8 | 46,088 |
| 1959. | 115,329 | 68,369 | 59.3 | 64,630 | 5,565 | 59,065 | 3,740 | 5.5 | 46,960 |
| 19602 | 117,245 | 69,628 | 59.4 | 65,778 | 5,458 | 60,318 | 3,852 | 5.5 | 47,617 |
| 1961. | 118,771 | 70,459 | 59.3 | 65,746 | 5,200 | 60.546 | 4,714 | 6.7 | 48,312 |
| 19622 | 120,153 | 70,614 | 58.8 | 66,702 | 4,944 | 61,759 | 3,911 | 5.5 | 49,539 |
| 1963 | 122,416 | 71.833 | 58.7 | 67,762 | 4,687 | 63,076 | 4,070 | 5.7 | 50,583 |
| 1964 | 124,485 | 73,091 | 58.7 | 69,305 | 4,523 | 64,782 | 3,786 | 5.2 | 51,394 |
| 1965 ........................................... | 126,513 | 74,455 | 58.9 | 71,088 | 4,361 | 66.726 | 3,366 | 4.5 | 52,058 |
| 1966 ............................................ | 128,058 | 75,770 | 59.2 | 72,895 | 3,979 | 68,915 | 2,875 | 3.8 | 52,288 |
| 1967 | 129,874 | 77,347 | 59.6 | 74,372 | 3,844 | 70,527 | 2,975 | 3.8 | 52,527 |
| 1968 ........................................... | 132,028 | 78,737 | 59.6 | 75,920 | 3,817 | 72,103 | 2,817 | 3.6 | 53,291 |
| 1969. | 134,335 | 80.734 | 60.1 | 77,902 | 3,606 | 74.296 | 2,832 | 3.5 | 53,602 |
| 1970 | 137,085 | 82,771 | 60.4 | 78,678 | 3,463 | 75,215 | 4,093 | 4.9 | 54,315 |
| 1971. | 140,216 | 84,382 | 60.2 | 79,367 | 3,394 | 75,972 | 5.016 | 5.9 | 55,834 |
| 19722 ......................................... | 144,126 | 87,034 | 60.4 | 82,153 | 3,484 | 78,669 | 4,882 | 5.6 | 57,091 |
| 19732 | 147,096 | 89,429 | 60.8 | 85,064 | 3,470 | 81,594 | 4,365 | 4.9 | 57.667 |
| 1974. | 150,120 | 91,949 | 61.3 | 86,794 | 3,515 | 83,279 | 5,156 | 5.6 | 58,171 |
| 1975. | 153,153 | 93,775 | 61.2 | 85,846 | 3,408 | 82,438 | 7,929 | 8.5 | 59,377 |
| 1976. | 156,150 | 96,158 | 61.6 | 88.752 | 3,331 | 85,421 | 7,406 | 7.7 | 59,991 |
| 1977 | 159,033 | 99,009 | 62.3 | 92,017 | 3,283 | 88,734 | 6,991 | 7.1 | 60,025 |
| 19782 | 161,910 | 102,251 | 63.2 | 96,048 | 3,387 | 92,661 | 6,202 | 6.1 | 59,659 |
| 1979. | 164,863 | 104,962 | 63.7 | 98,824 | 3,347 | 95,477 | 6.137 | 5.8 | 59.900 |
| 1980 ........................................... | 167,745 | 106,940 | 63.8 | 99,303 | 3,364 | 95,938 | 7.637 | 7.1 | 60,806 |
| 1981. | 170,130 | 108,670 | 63.9 | 100,397 | 3,368 | 97,030 | 8,273 | 7.6 | 61,460 |
| 1982. | 172,271 | 110,204 | 64.0 | 99,526 | 3,401 | 96,125 | 10,678 | 9.7 | 62,067 |
| 1983 ........................................... | 174,215 | 111,550 | 64.0 | 100,834 | 3,383 | 97,450 | 10,717 | 9.6 | 62,665 |
| 1984 ........................................... | 176,383 | 113,544 | 64.4 | 105,005 | 3,321 | 101,685 | 8,539 | 7.5 | 62.839 |
| 1985 ............................................ | 178,206 | 115,461 | 64.8 | 107,150 | 3,179 | 103,971 | 8,312 | 7.2 | 62,744 |
| 19862 | 180,587 | 117,834 | 65.3 | 109,597 | 3,163 | 106,434 | 8,237 | 7.0 | 62,752 |
| 1987 ........................................... | 182,753 | 119,865 | 65.6 | 112,440 | 3,208 | 109,232 | 7,425 | 6.2 | 62,888 |
| 1988. | 184,613 | 121,669 | 65.9 | 114,968 | 3,169 | 111,800 | 6,701 | 5.5 | 62,944 |
| 1989 ........................................... | 186,393 | 123,869 | 66.5 | 117,342 | 3,199 | 114,142 | 6,528 | 5.3 | 62,523 |
| 19902 .......................................... | 189,164 | 125,840 | 66.5 | 118,793 | 3,223 | 115,570 | 7,047 | 5.6 | 63,324 |
| 1991 ........................................... | 190,925 | 126,346 | 66.2 | 117,718 | 3,269 | 114,449 | 8,628 | 6.8 | 64,578 |
| 1992 | 192,805 | 128,105 | 66.4 | 118,482 | 3,247 | 115,245 | 9,613 | 7.5 | 64,700 |
| 1993. | 194,838 | 129,200 | 66.3 | 120,259 | 3,115 | 117,144 | 8,940 | 6.9 | 65,638 |
| 19942 ......................................... | 196,814 | 131,056 | 66.6 | 123.060 | 3,409 | 119,651 | 7,996 | 6.1 | 65.758 |
| 1995. | 198,584 | 132,304 | 66.6 | 124,900 | 3,440 | 121,460 | 7,404 | 5.6 | 66,280 |
| 1996 ............................................ | 200,591 | 133,943 | 66.8 | 126,708 | 3,443 | 123,264 | 7.236 | 5.4 | 66,647 |
| 19972 ......................................... | 203, 133 | 136,297 | 67.1 | 129,558 | 3,399 | 126,159 | 6,739 | 4.9 | 66,837 |
| 19983 | 205,220 | 137,673 | 67.1 | 131,463 | 3,378 | 128,085 | 6,210 | 4.5 | 67,547 |

[^17]earlier years because of the introduction of new composite estimation procedures and revised population controis used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1998" in the February 1998 issue of this publication. ANNUAL AVERAGES
2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1966 to date
(Numbers in thousands)

| Year | Civilian noninstitutional population | Civilian labor force |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Percent of population | Employed |  |  |  | Unemployed |  | Not in labor force |
|  |  | Total |  | Total | Percent of population | Agriculture | Nonagricultural industries | Number | $\begin{aligned} & \text { Percent } \\ & \text { of } \\ & \text { labor } \\ & \text { force } \end{aligned}$ |  |
|  | Men |  |  |  |  |  |  |  |  |  |
| 1966 | 60,262 | 48,471 | 80.4 | 46,919 | 77.9 | 3,243 | 43,675 | 1.551 | 3.2 | 11,792 |
| 1967 | 60,905 | 48,987 | 80.4 | 47,479 | 78.0 | 3,164 | 44,315 | 1,508 | 3.1 | 11,919 |
| $1968$ | 61,847 | 49,533 | 80.1 | 48,114 | 77.8 | 3,157 | 44,957 | 1.419 | 2.9 | 12,315 |
| $1969$ | 62,898 | 50,221 | 79.8 | 48,818 | 77.6 | 2.963 | 45,855 | 1.403 | 2.8 | 12,677 |
| 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 |
|  | 67,835 | 53,555 | 78.9 | 50,896 | 75.0 | 2,849 | 48,047 | 2.659 | 5.0 | 14,280 |
|  | 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 |
| 19781 | 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 |
| 19861 | 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 |
| 19901 ................................................. | 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 | 22,1.10 |
| 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 |
| 19941 | 94,355 | 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 | 72,087 | 74.9 | 68.207 | 70.9 | 2,573 | 65,634 | 3,880 | 5.4 | 24,119 |
| 19971 .................................................. | 97.715 | 73,261 | 75.0 | 69,685 | 71.3 | 2,552 | 67,133 | 3,577 | 4.9 | 24,454 |
| 19982 ....................................................... | 98.758 | 73.959 | 74.9 | 70.693 | 71.6 | 2,553 | 68,140 | 3.266 | 4.4 | 24,799 |
|  | Women |  |  |  |  |  |  |  |  |  |
| 1966 | 67,795 | 27,299 | 40.3 | 25,976 | 38.3 | 736 | 25,240 | 1,324 | 4.8 | 40.496 |
| 1967 | 68,968 | 28,360 | 41.1 | 26,893 | 39.0 | 680 | 26,212 | 1,468 | 5.2 | 40,608 |
| 1968 | 70,179 | 29,204 | 41.6 | 27,807 | 39.6 | 660 | 27.147 | 1,397 | 4.8 | 40,976 |
| 1969 | 71.436 | 30.513 | 42.7 | 29,084 | 40.7 | 643 | 28,441 | 1.429 | 4.7 | 40.924 |
| 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 |
| 19721 | 76,290 | 33,479 | 43.9 | 31,257 | 41.0 | 635 | 30.622 | 2,222 | 6.6 | 42,811 |
| 19731 | 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 |
| 19781 | 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 |
| 19861 ................................................. | 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 |
| 19901 | 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 |
| 19941 ................................................... | 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 58.501 | 55.8 | 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 |
| 19971. | 105,418 | 63,036 | 59.8 | 59,873 | 56.8 | 847 | 59,026 | 3,162 | 5.0 | 42,382 |
| 19982 ................................................. | 106,462 | 63,714 | 59.8 | 60,771 | 57.1 | 825 | 59,945 | 2,944 | 4.6 | 42,748 |

${ }^{1}$ Not strictly comparable with data for prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes and Estimates of Error.

Beginning in January 1998, data are not strictly comparable with data for 1997 and
earlier years because of the introduction of new composite estimation procedures and revised population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1998" in the February 1998 issue of this publication.

## 3. Employment status of the civilian noninstitutional population by age, sex, and race

## (Numbers in thousands)

| Age, sex, and race | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | Civilian labor force |  |  |  |  |  |  |  |  |
|  |  |  | Percent of population | Employed |  |  |  | Unemployed |  | Not in labor force |
|  |  | Total |  | Total | $\begin{aligned} & \text { Percent } \\ & \text { of } \\ & \text { population } \end{aligned}$ | Agriculture | Nonagricultural industries | Number | Percent of labor force |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 205,220 | 137,673 | 67.1 | 131,463 | 64.1 | 3,378 | 128,085 | 6,210 | 4.5 | 67,547 |
| 16 to 19 years | 15,644 | 8,256 | 52.8 | 7.051 | 45.1 | 261 | 6,790 | 1,205 | 14.6 | 7,388 |
| 16 to 17 years. | 7.895 | 3,335 | 42.2 | 2,762 | 35.0 | 131 | 2,631 | 573 | 17.2 | 4,560 |
| 18 to 19 years ....................................... | 7.749 | 4,921 | 63.5 | 4,289 | 55.3 | 130 | 4,159 | 632 | 12.8 | 2,828 |
| 20 to 24 years | 17,593 | 13,638 | 77.5 | 12,557 | 71.4 | 339 | 12,218 | 1,081 | 7.9 | 3,955 |
| 25 to 54 years .......................................... | 117,450 | 98,718 | 84.1 | 95,258 | 81.1 | 2,105 | 93,153 | 3,459 | 3.5 | 18,732 |
| 25 to 34 years ........................................ | 38,778 | 32,813 | 84.6 | 31,394 | 81.0 | 718 | 30,676 | 1,419 | 4.3 | 5,964 |
| 251029 years | 18,622 | 15,808 | 84.9 | 15,061 | 80.9 | 350 | 14,711 | 747 | 4.7 | 2,815 |
| 30 to 34 years | 20,156 | 17.006 | 84.4 | 16,333 | 81.0 | 368 | 15,965 | 672 | 4.0 | 3,150 |
| 35 to 44 years. | 44,299 | 37,536 | 84.7 | 36,278 | 81.9 | 791 | 35,486 | 1,258 | 3.4 | 6,763 |
| 35 to 39 years | 22,449 | 18,899 | 84.2 | 18,232 | 81.2 | 433 | 17,800 | 666 | 3.5 | 3,550 |
| 40 to 44 years | 21,850 | 18,637 | 85.3 | 18,045 | 82.6 | 358 | 17,687 | 592 | 3.2 | 3,213 |
| 45 to 54 years ......................................... | 34,373 | 28,368 | 82.5 | 27,587 | 80.3 | 596 | 26,991 | 782 | 2.8 | 6,005 |
| 45 to 49 years ....................................... | 18,804 | 15,923 | 84.7 | 15,477 | 82.3 | 345 | 15,132 | 446 | 2.8 | 2,881 |
| 50 to 54 years ....................................... | 15,569 | 12.445 | 79.9 | 12,109 | 77.8 | 251 | 11,858 | 336 | 2.7 | 3,124 |
| 55 to 64 years | 22,296 | 13,215 | 59.3 | 12,872 | 57.7 | 396 | 12,477 | 343 | 2.6 | 9,081 |
| 55 to 59 years | 12,219 | 8,494 | 69.5 | 8,279 | 67.8 | 217 | 8,062 | 216 | 2.5 | 3,725 |
| 60 to 64 years | 10.077 | 4,721 | 46.8 | 4.594 | 45.6 | 179 | 4,415 | 127 | 2.7 | 5,356 |
| 65 years and over | 32,237 | 3,847 | 11.9 | 3.725 | 11.6 | 277 | 3,448 | 122 | 3.2 | 28,391 |
| 65 to 69 years | 9,387 | 2,111 | 22.5 | 2.042 | 21.8 | 121 | 1,921 | 69 | 3.3 | 7,276 |
| 70 to 74 years ......................................... | 8,560 | 1.068 | 12.5 | 1.036 | 12.1 | 84 | 953 | 31 | 2.9 | 7,492 |
| 75 years and over .................................... | 14,290 | 668 | 4.7 | 647 | 4.5 | 73 | 574 | 21 | 3.2 | 13,622 |
| Men |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 98,758 | 73,959 | 74.9 | 70,693 | 71.6 | 2.553 | 68,140 | 3,266 | 4.4 | 24.799 |
| 16 to 19 years | 7,968 | 4,244 | 53.3 | 3.558 | 44.7 | 204 | 3,355 | 686 | 16.2 | 3,724 |
| 16 to 17 years ........................................ | 4,059 | 1,728 | 42.6 | 1,398 | 34.4 | 103 | 1,294 | 330 | 19.1 | 2,331 |
| 18 to 19 years ......................................... | 3,909 | 2,516 | 64.4 | 2,161 | 55.3 | 100 | 2,060 | 355 | 14.1 | 1,393 |
| 20 to 24 years ........................................... | 8,804 | 7,221 | 82.0 | 6,638 | 75.4 | 276 | 6,362 | 583 | 8.1 | 1,583 |
| 25 to 54 years | 57,724 | 53,002 | 91.8 | 51,274 | 88.8 | 1.569 | 49,705 | 1,728 | 3.3 | 4,722 |
| 25 to 34 years ........................................ | 19.094 | 17.796 | 93.2 | 17.097 | 89.5 | 549 | 16,548 | 699 | 3.9 | 1,298 |
| 251029 years ....................................... | 9,139 | 8,477 | 92.8 | 8,102 | 88.6 | 267 | 7.835 | 375 | 4.4 | 662 |
| 30 to 34 years | 9,955 | 9,319 | 93.6 | 8,995 | 90.4 | 282 | 8,713 | 324 | 3.5 | 636 |
| 35 to 44 years ......................................... | 21,857 | 20,242 | 92.6 | 19,634 | 89.8 | 600 | 19,034 | 609 | 3.0 | 1,614 |
| 35 to 39 years. | 11,083 | 10,310 | 93.0 | 9,995 | 90.2 | 335 | 9.660 | 314 | 3.1 | 773 |
| 40 to 44 years | 10,774 | 9,933 | 92.2 | 9,638 | 89.5 | 265 | 9,374 | 294 | 3.0 | 841 |
| 45 to 54 years. | 16,773 | 14.963 | 89.2 | 14,544 | 86.7 | 420 | 14,124 | 420 | 2.8 | 1,810 |
| 45 to 49 years | 9,212 | 8,364 | 90.8 | 8.132 | 88.3 | 247 | 7,885 | 232 | 2.8 | 848 |
| 50 to 54 years ........................................ | 7,561 | 6,599 | 87.3 | 6.412 | 84.8 | 173 | 6,239 | 187 | 2.8 | 962 |
| 55 to 64 years. | 10,649 | 7,253 | 68.1 | 7.052 | 66.2 | 283 | 6,769 | 201 | 2.8 | 3,396 |
| 55 to 59 years | 5,879 | 4,609 | 78.4 | 4.484 | 76.3 | 152 | 4,332 | 125 | 2.7 | 1,270 |
| 60 to 64 years ......................................... | 4,771 | 2,644 | 55.4 | 2,568 | 53.8 | 131 | 2,437 | 76 | 2.9 | 2,127 |
| 65 years and over ...................................... | 13,613 | 2.240 | 16.5 | 2,171 | 15.9 | 222 | 1,949 | 69 | 3.1 | 11.373 |
| 65 to 69 years ........................................ | 4,304 | 1,204 | 28.0 | 1,165 | 27.1 | 98 | 1,068 | 39 | 3.2 | 3,100 |
| 701074 years ......................................... | 3,770 | 623 | 16.5 | 606 | 16.1 | 66 | 540 | 17 | 2.7 | 3,148 |
| 75 years and over .................................... | 5,539 | 413 | 7.5 | 400 | 7.2 | 59 | 341 | 13 | 3.2 | 5.126 |
| Women |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 106,462 | 63,714 | 59.8 | 60,771 | 57.1 | 825 | 59,945 | 2,944 | 4.6 | 42,748 |
| 16 to 19 years ........................................... | 7.676 | 4,012 | 52.3 | 3,493 | 45.5 | 57 | 3,435 | 519 | 12.9 | 3,664 |
| 18 to 17 years ......................................... | 3,835 | 1,607 | 41.9 | 1,364 | 35.6 | 27 | 1,337 | 242 | 15.1 | 2,229 |
| 18 to 19 years ......................................... | 3,840 | 2.405 | 62.6 | 2,128 | 55.4 | 30 | 2,098 | 277 | 11.5 | 1,435 |
| 20 to 24 years ........................................... | 8,790 | 6,418 | 73.0 | 5,919 | 67.3 | 64 | 5.856 | 498 | 7.8 | 2,372 |
| 25 to 54 years ........................................... | 59,725 | 45,716 | 76.5 | 43,984 | 73.6 | 537 | 43,448 | 1,732 | 3.8 | 14,010 |
| 25 to 34 years ......................................... | 19,683 | 15,017 | 76.3 | 14,298 | 72.6 | 169 | 14,128 | 720 | 4.8 | 4,666 |
| 25 to 29 years ...................................... | 9.483 | 7,330 | 77.3 | 6,959 | 73.4 | 83 | 6.876 | 371 | 5.1 | 2,153 |
| 30 to 34 years ....................................... | 10,200 | 7,687 | 75.4 | 7.339 | 71.9 | 86 | 7,252 | 348 | 4.5 | 2,513 |
| 35 to 44 years ......................................... | 22,442 | 17,294 | 77.1 | 16,644 | 74.2 | 191 | 16,453 | 650 | 3.8 | 5,149 |
| 35 to 39 years ....................................... | 11,366 | 8,589 | 75.6 | 8,237 | 72.5 | 98 | 8,140 | 352 | 4.1 | 2,776 |
| 40 to 44 years ....................................... | 11,077 | 8.704 | 78.6 | 8,407 | 75.9 | 94 | 8,313 | 298 | 3.4 | 2,372 |
| 45 to 54 years ........................................ | 17,600 | 13.405 | 76.2 | 13,043 | 74.1 | 176 | 12,867 | 362 | 2.7 | 4,195 |
| 45 to 49 years ....................................... | 9,592 | 7.559 | 78.8 | 7,345 | 76.6 | 97 | 7,248 | 214 | 2.8 | 2,033 |
| 50 to 54 years ....................................... | 8,008 | 5,846 | 73.0 | 5,697 | 71.1 | 78 | 5,619 | 148 | 2.5 | 2,162 |
| 55 to 64 years ........................................... | 11,646 | 5,962 | 51.2 | 5,820 | 50.0 | 113 | 5,708 | 141 | 2.4 | 5,685 |
| 55 to 59 years ......................................... | 6,340 | 3,885 | 61.3 | 3,795 | 59.9 | 65 | 3,730 | 90 | 2.3 | 2,455 |
| 60 to 64 years ......................................... | 5.306 | 2,077 | 39.1 | 2,025 | 38.2 | 48 | 1,977 | 51 | 2.5 | 3.230 |
| 65 years and over ...................................... | 18,625 | 1,607 | 8.6 | 1,554 | 8.3 | 55 | 1,499 | 53 | 3.3 | 17,018 |
| 65 to 69 years ......................................... | 5,084 | 907 | 17.8 | 877 | 17.2 | 23 | 853 | 31 | 3.4 | 4,176 |
| 70 to 74 years ........................................ | 4.790 | 445 | 9.3 | 430 | 9.0 | 18 | 413 | 15 | 3.3 | 4,344 |
| 75 years and over ................................... | 8.752 | 255 | 2.9 | 247 | 2.8 | 14 | 233 | 8 | 3.1 | 8.497 |

See footnotes at end of table.
3. Employment status of the civilian noninstitutional population by age, sex, and race - Continued

| Age, sex, and race | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | Total | Percent of population | Civilian labor force |  |  |  |  |  |  |
|  |  |  |  | Employed |  |  |  | Unemployed |  | Not in labor force |
|  |  |  |  | Total | Percent of population | Agriculture | Nonagricultural industries | Number | Percent of labor force |  |
| WHTE |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 171,478 | 115,415 | 67.3 | 110,931 | 64.7 | 3,160 | 107,770 | 4,484 | 3.9 | 56,064 |
| 16 to 19 years ........................................... | 12,439 | 6,965 | 56.0 | 6,089 | 48.9 | 250 | 5,839 | 878 | 12.6 | 5,475 |
| 16 to 17 years ................................... | 6,264 | 2,860 | 45.7 | 2,436 | 38.9 | 125 | 2,311 | 424 | 14.8 | 3,404 |
| 18 to 19 years ..................................... | 6,176 | 4,105 | 66.5 | 3,653 | 59.2 | 125 | 3,529 | 451 | 11.0 | 2,071 |
| 20 to 24 years ........................................... | 14,138 | 11,244 | 79.5 | 10,512 | 74.4 | 319 | 10,193 | 731 | 6.5 | 2,895 |
| 25 to 54 years .......................................... | 97.028 | 82,210 | 84.7 | 79,710 | 82.2 | 1,953 | 77,757 | 2,500 | 3.0 | 14,818 |
| 25 to 34 years ......................................... | 31,286 | 26,707 | 85.4 | 25,729 | 82.2 | 674 | 25,055 | 978 | 3.7 | 4,578 |
| 25 to 29 years ........................................ | 14,998 | 12,894 | 86.0 | 12,369 | 82.5 | 328 | 12,041 | 525 | 4.1 | 2,104 |
| 30 to 34 years | 16,288 | 13,813 | 84.8 | 13,360 | 82.0 | 346 | 13,014 | 453 | 3.3 | 2,475 |
| 35 to 44 years ......................................... | 36,610 | 31,221 | 85.3 | 30,320 | 82.8 | 730 | 29,590 | 901 | 2.9 | 5,389 |
| 35 to 39 years ....................................... | 18,517 | 15,690 | 84.7 | 15,221 | 82.2 | 394 | 14,827 | 469 | 3.0 | 2,828 |
| 40 to 44 years ....................................... | 18,093 | 15,532 | 85.8 | 15,099 | 83.5 | 336 | 14,763 | 433 | 2.8 | 2,561 |
| 45 to 54 years ......................................... | 29,132 | 24,282 | 83.4 | 23,662 | 81.2 | 549 | 23,113 | 620 | 2.6 | 4,850 |
| 45 to 49 years ....................................... | 15,794 | 13,489 | 85.4 | 13,146 | 83.2 | 319 | 12,827 | 343 | 2.5 | 2,305 |
| 50 to 54 years ....................................... | 13,338 | 10,793 | 80.9 | 10,516 | 78.8 | 230 | 10,286 | 277 | 2.6 | 2,545 |
| 55 to 64 years ........................................... | 19,231 | 11,548 | 60.1 | 11,272 | 58.6 | 370 | 10,902 | 276 | 2.4 | 7,682 |
| 55 to 59 years.. | 10,532 | 7.428 | 70.5 | 7,258 | 68.9 | 201 | 7,057 | 170 | 2.3 | 3.103 |
| 60 to 64 years.. | 8,699 | 4,120 | 47.4 | 4,014 | 46.1 | 169 | 3,845 | 106 | 2.6 | 4.579 |
| 65 years and over ..................................... | 28,642 | 3.448 | 12.0 | 3,347 | 11.7 | 269 | 3,079 | 101 | 2.9 | 25,194 |
| 65 to 69 years ..................................... | 8,162 | 1,879 | 23.0 | 1,822 | 22.3 | 117 | 1,705 | 57 | 3.0 | 6,282 |
| 70 to 74 years ......................................... | 7.599 | 971 | 12.8 | 945 | 12.4 | 81 | 864 | 26 | 2.6 | 6,628 |
| 75 years and over ................................... | 12,882 | 598 | 4.6 | 580 | 4.5 | 70 | 510 | 18 | 3.0 | 12,284 |
| Men |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 83,352 | 63,034 | 75.6 | 60,604 | 72.7 | 2,376 | 58,228 | 2,431 | 3.9 | 20,317 |
| 16 to 19 years ........................................... | 6,386 | 3,614 | 56.6 | 3,103 | 48.6 | 194 | 2,909 | 510 | 14.1 | 2,773 |
| 16 to 17 years ........................................ | 3,233 | 1,487 | 46.0 | 1,233 | 38.1 | 99 | 1.134 | 254 | 17.1 | 1.747 |
| 18 to 19 years. | 3,153 | 2,127 | 67.5 | 1,870 | 59.3 | 95 | 1,775 | 257 | 12.1 | 1,026 |
| 20 to 24 years.. | 7,170 | 6,063 | 84.6 | 5,659 | 78.9 | 259 | 5,400 | 405 | 6.7 | 1,106 |
| 25 to 54 years .......................................... | 48,354 | 44,930 | 92.9 | 43,635 | 90.2 | 1,444 | 42,191 | 1.295 | 2.9 | 3.424 |
| 25 to 34 years ......................................... | 15,644 | 14,770 | 94.4 | 14,259 | 91.1 | 514 | 13,745 | 512 | 3.5 | 874 |
| 25 to 29 years | 7,495 | 7.059 | 94.2 | 6,781 | 90.5 | 251 | 6,531 | 278 | 3.9 | 436 |
| 30 to 34 years ....................................... | 8,149 | 7.711 | 94.6 | 7,477 | 91.8 | 263 | 7,214 | 234 | 3.0 | 438 |
| 35 to 44 years ........................................ | 18,310 | 17.157 | 93.7 | 16,715 | 91.3 | 550 | 16,166 | 441 | 2.6 | 1,153 |
| 35 to 39 years ....................................... | 9,269 | 8,719 | 94.1 | 8.492 | 91.6 | 303 | 8.189 | 227 | 2.6 | 550 |
| 40 to 44 years ....................................... | 9,041 | 8,438 | 93.3 | 8,223 | 91.0 | 247 | 7,976 | 215 | 2.5 | 603 |
| 45 to 54 years ......................................... | 14,400 | 13,003 | 90.3 | 12,661 | 87.9 | 381 | 12,281 | 342 | 2.6 | 1,397 |
| 45 to 49 years ....................................... | 7,840 | 7.198 | 91.8 | 7.013 | 89.5 | 227 | 6,786 | 185 | 2.6 | 642 |
| 50 to 54 years ....................................... | 6,561 | 5,805 | 88.5 | 5,649 | 86.1 | 154 | 5,495 | 157 | 2.7 | 756 |
| 55 to 64 years ........................................... | 9,286 | 6,415 | 69.1 | 6,251 | 67.3 | 263 | 5,988 | 164 | 2.6 | 2,872 |
| 55 to 59 years ......................................... | 5,120 | 4.078 | 79.7 | 3,976 | 77.7 | 140 | 3,837 | 102 | 2.5 | 1,042 |
| 60 to 64 years... | 4.167 | 2,337 | 56.1 | 2,275 | 54.6 | 124 | 2,151 | 62 | 2.7 | 1,830 |
| 65 years and over | 12,155 | 2,013 | 16.6 | 1,955 | 16.1 | 216 | 1,740 | 58 | 2.9 | 10,143 |
| 65 to 69 years ...................................... | 3,785 | 1,072 | 28.3 | 1.039 | 27.4 | 94 | 945 | 33 | 3.1 | 2,714 |
| 70 to 74 years ........................................ | 3,374 | 568 | 16.8 | 554 | 16.4 | 64 | 490 | 14 | 2.5 | 2,806 |
| 75 years and over .................................... | 4,996 | 373 | 7.5 | 362 | 7.2 | 57 | 305 | 11 | 2.9 | 4,624 |
| Women |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 88,126 | 52,380 | 59.4 | 50,327 | 57.1 | 784 | 49.543 | 2,053 | 3.9 | 35,746 |
| 16 to 19 years | 6,053 | 3,351 | 55.4 | 2,986 | 49.3 | 55 | 2,930 | 365 | 10.9 | 2,702 |
| 16 to 17 years ......................................... | 3,031 | 1,373 | 45.3 | 1,203 | 39.7 | 26 | 1,177 | 171 | 12.4 | 1,657 |
| 18 to 19 years ......................................... | 3,023 | 1,977 | 65.4 | 1,783 | 59.0 | 30 | 1,753 | 195 | 9.8 | 1,045 |
| 20 to 24 years ........................................... | 6,969 | 5,180 | 74.3 | 4,853 | 69.6 | 60 | 4,793 | 327 | 6.3 | 1,789 |
| 25 to 54 years .......................................... | 48,674 | 37,281 | 76.6 | 36,075 | 74.1 | 509 | 35,566 | 1,205 | 3.2 | 11,393 |
| 25 to 34 years ........................................ | 15,642 | 11,937 | 76.3 | 11,470 | 73.3 | 160 | 11,310 | 467 | 3.9 | 3,705 |
| 25 to 29 years ....................................... | 7,503 | 5,835 | 77.8 | 5,588 | 74.5 | 78 | 5,510 | 247 | 4.2 | 1,668 |
| 30 to 34 years ....................................... | 8,139 | 6,102 | 75.0 | 5,883 | 72.3 | 83 | 5,800 | 220 | 3.6 | 2,036 |
| 35 to 44 years ......................................... | 18,300 | 14,064 | 76.9 | 13,604 | 74.3 | 180 | 13,424 | 460 | 3.3 | 4,236 |
| 35 to 39 years ....................................... | 9,248 | 6,970 | 75.4 | 6,728 | 72.8 | 91 | 6,638 | 242 | 3.5 | 2,278 |
| 40 to 44 years ....................................... | 9.052 | 7.094 | 78.4 | 6,876 | 76.0 | 89 | 6,787 | 218 | 3.1 | 1,958 |
| 45 to 54 years ........................................ | 14,732 | 11,279 | 76.6 | 11,001 | 74.7 | 168 | 10,832 | 279 | 2.5 | 3.453 |
| 45 to 49 years | 7.955 | 6,291 | 79.1 | 6,133 | 77.1 | 92 | 6,041 | 158 | 2.5 | 1,663 |
| 50 to 54 years ....................................... | 6,777 | 4,988 | 73.6 | 4,867 | 71.8 | 76 | 4.791 | 120 | 2.4 | 1,790 |
| 55 to 64 years ........................................... | 9,944 | 5,133 | 51.6 | 5,021 | 50.5 | 107 | 4,914 | 112 | 2.2 | 4,811 |
| 55 to 59 years ........................................ | 5.412 | 3,350 | 61.9 | 3,282 | 60.6 | 62 | 3,220 | 69 | 2.1 | 2,062 |
| 60 to 64 years ......................................... | 4,532 | 1,783 | 39.3 | 1,739 | 38.4 | 46 | 1,694 | 44 | 2.4 | 2,749 |
| 65 years and over ..................................... | 16,486 | 1,435 | 8.7 | 1,392 | 8.4 | 53 | 1,339 | 43 | 3.0 | 15,051 |
| 65 to 69 years ......................................... | 4,377 | 808 | 18.5 | 783 | 17.9 | 23 | 761 | 24 | 3.0 | 3,569 |
| 70 to 74 years ........................................ | 4,225 | 403 | 9.5 | 391 | 9.3 | 17 | 374 | 12 | 2.9 | 3.822 |
| 75 years and over .................................... | 7,885 | 225 | 2.9 | 218 | 2.8 | 13 | 205 | 7 | 3.1 | 7,660 |

See footnotes at end of table.
3. Employment status of the civilian noninstitutional population by age, sex, and race - Continued

| Age, sex, and race | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | Total | Percent of population | Civilian labor force |  |  |  |  |  |  |
|  |  |  |  | Employed |  |  |  | Unemployed |  | Not in labor force |
|  |  |  |  | Total | Percent of population | Agriculture | Nonagricultural industries | Number | Percent of labor force |  |
| BLACK |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 24,373 | 15,982 | 65.6 | 14,556 | 59.7 | 138 | 14,417 | 1,426 | 8.9 | 8,391 |
| 16 to 19 years ........................................... | 2,443 | 1.017 | 41.6 | 736 | 30.1 | 8 | 728 | 281 | 27.6 | 1,427 |
| 16 to 17 years ......................................... | 1.241 | 370 | 29.8 | 246 | 19.8 | 4 | 241 | 124 | 33.6 | 871 |
| 18 to 19 years ......................................... | 1,202 | 646 | 53.8 | 490 | 40.8 | 3 | 487 | 156 | 24.2 | 556 |
| 20 to 24 years ......................................... | 2,546 | 1,797 | 70.6 | 1,496 | 58.8 | 14 | 1,482 | 301 | 16.8 | 749 |
| 25 to 54 years .......................................... | 14,466 | 11,727 | 81.1 | 10,943 | 75.6 | 100 | 10,843 | 784 | 6.7 | 2,739 |
| 25 to 34 years ......................................... | 5,221 | 4,332 | 83.0 | 3,967 | 76.0 | 30 | 3,936 | 366 | 8.4 | +889 |
| 25 to 29 years ....................................... | 2,547 | 2,081 | 81.7 | 1,896 | 74.4 | 12 | 1,884 | 185 | 8.9 | 466 |
| 30 to 34 years ....................................... | 2,673 | 2,251 | 84.2 | 2,070 | 77.4 | 18 | 2,053 | 181 | 8.0 | 422 |
| 35 to 44 years .......................................... | 5,510 | 4,531 | 82.2 | 4,238 | 76.9 | 41 | 4,196 | 294 | 6.5 | 979 |
| 35 to 39 years ......................................... | 2,840 | 2,328 | 82.0 | 2,161 | 76.1 | 28 | 2,132 | 167 | 7.2 | 512 |
| 40 to 44 years ....................................... | 2,670 | 2,204 | 82.5 | 2,077 | 77.8 | 13 | 2,064 | 126 | 5.7 | 467 |
| 45 to 54 years ......................................... | 3,735 | 2,863 | 76.7 | 2,739 | 73.3 | 28 | 2,711 | 125 | 4.3 | 872 |
| 45 to 49 years ...................................... | 2.180 | 1,741 | 79.8 | 1,657 | 76.0 | 15 | 1.642 | 84 | 4.8 | 440 |
| 50 to 54 years ........................................ | 1,555 | 1,123 | 72.2 | 1,082 | 69.6 | 13 | 1.069 | 41 | 3.6 | 432 |
| 55 to 64 years .......................................... | 2,224 | 1.163 | 52.3 | 1,118 | 50.3 | 13 | 1,105 | 45 | 3.9 | 1,060 |
| 55 to 59 years ......................................... | 1,222 | 749 | 61.3 | 720 | 59.0 | 9 | 712 | 28 | 3.8 | 473 |
| 60 to 64 years... | 1,002 | 415 | 41.4 | 398 | 39.7 | 4 | 393 | 17 | 4.1 | 587 |
| 65 years and over ..................................... | 2.695 | 278 | 10.3 | 262 | 9.7 16.3 | 3 | 259 | 16 | 5.6 | 2.417 |
| 65 to 69 years | 881 | 152 | 17.3 | 144 | 16.3 | 2 | 142 | 9 | 5.7 | 728 |
| 70 to 74 years | 731 1 | 70 | 9.6 | 66 | 9.1 |  | 66 | 4 | 5.7 | 660 |
| 75 years and over ................................... | 1,083 | 55 | 5.1 | 52 | 4.8 | 1 | 51 | 3 | 5.4 | 1.028 |
| Men |  |  |  |  |  |  |  |  |  |  |
| 16 years and over | 10.927 | 7.542 | 69.0 | 6,871 | 62.9 | 118 | 6,752 | 671 | 8.9 | 3,386 |
| 16 to 19 years | 1,201 | 488 | 40.7 | 341 | 28.4 | 7 | 335 | 147 | 30.1 | 712 |
| 16 to 17 years ........................................ | 623 | 181 | 29.1 | 120 | 19.2 | 3 | 116 | 61 | 33.9 | 442 |
| 18 to 19 years ......................................... | 578 | 307 | 53.1 | 221 | 38.3 | 3 | 218 | 86 | 27.9 | 271 |
| 20 to 24 years ........................................... | 1,166 | 837 | 71.8 | 686 | 58.8 | 11 | 675 | 151 | 18.0 | 329 |
| 25 to 54 years .......................................... | 6,536 | 5,519 | 84.4 | 5,178 | 79.2 | 87 | 5,091 | 341 | 6.2 | 1,018 |
| 25 to 34 years ......................................... | 2,335 | 2,034 | 87.1 | 1,886 | 80.8 | 25 | 1,861 | 148 | 7.3 | 301 |
| 25 to 29 years ....................................... | 1.126 | 966 | 85.8 | 889 | 79.0 | 10 | 879 | 77 | 7.9 | 160 |
| 30 to 34 years ....................................... | 1,209 | 1,068 | 88.3 | 997 | 82.5 | 15 | 982 | 71 | 6.7 | 141 |
| 35 to 44 years ......................................... | 2.520 | 2,142 | 85.0 | 2,008 | 79.7 | 37 | 1,971 | 133 | 6.2 | 378 |
| 35 to 39 years | 1,293 | 1,106 | 85.5 | 1,034 | 80.0 | 25 | 1,009 | 72 | 6.5 | 187 |
| 40 to 44 years ........................................ | 1,227 | 1,036 | 84.5 | 974 | 79.4 | 12 | 963 | 62 | 5.9 | 191 |
| 45 to 54 years ......................................... | 1,682 | 1,343 | 79.9 | 1,284 | 76.3 | 25 | 1,259 | 60 | 4.4 | 339 |
| 45 to 49 years ........................................ | 989 | 818 | 82.7 | 780 | 78.8 | 13 | . 767 | 39 | 4.7 | 171 |
| 50 to 54 years ...................................... | 693 | 525 | 75.8 | 504 | 72.7 | 37 | 492 | 21 | 4.0 | 168 |
| 55 to 64 years | 956 | 548 | 57.3 | 524 | 54.8 | 11 | 513 | 24 | 4.5 | 408 |
| 55 to 59 years ......................................... | 533 | 353 | 66.1 | 339 | 63.5 | 8 | 331 | 14 | 3.9 | 181 |
| 60 to 64 years ......................................... | 423 | 196 | 46.3 | 185 | 43.7 | 4 | 181 | 11 | 5.5 | 227 |
| 65 years and over ...................................... | 1,068 | 150 | 14.0 | 142 | 13.3 | 3 | 139 | 8 | 5.2 | 918 |
| 65 to 69 years ......................................... | 365 | 80 | 21.9 | 77 | 21.0 | 1 | 75 | 3 | 4.1 | 286 |
| 70 to 74 years | 303 | 36 | 12.0 | 34 | 11.2 |  | 34 | 2 | ${ }^{6.6}$ | 266 |
| 75 years and over ................................... | 400 | 34 | 8.4 | 31 | 7.9 | 1 | 30 | 2 | $\left({ }^{1}\right)$ | 367 |
| Women |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ....................................... | 13,446 | 8,441 | 62.8 | 7.685 | 57.2 | 20 | 7,665 | 756 | 9.0 | 5,005 |
| 16 to 19 years .......................................... | 1,243 | 528 | 42.5 | 395 | 31.8 | 1 | 393 | 134 | 25.3 | 714 |
| 16 to 17 years | 618 | 189 | 30.6 | 126 | 20.4 | 1 | 125 | 63 | 33.2 | 429 |
| 18 to 19 years | 624 | 339 | 54.4 | 268 | 43.0 | - | 268 | 71 | 20.9 | 285 |
| 20 to 24 years .......................................... | 1,380 | 960 | 69.6 | 810 | 58.7 | 3 | 807 | 150 | 15.7 | 419 |
| 25 to 54 years .......................................... | 7.930 | 6,209 | 78.3 | 5,766 | 72.7 | 13 | 5,753 | 443 | 7.1 | 1,721 |
| 25 to 34 years ......................................... | 2,886 | 2,298 | 79.6 | 2,081 | 72.1 | 5 | 2,076 | 218 | 9.5 | 588 |
| 25 to 29 years | 1,421 | 1,115 | 78.4 | 1,007 | 70.8 | 2 | 1,005 | 108 | 9.7 | 306 |
| 30 to 34 years ....................................... | 1,465 | 1,183 | 80.8 | 1,074 | 73.3 | 3 | 1,071 | 110 | 9.3 | 281 |
| 35 to 44 years ......................................... | 2,991 | 2.390 | 79.9 | 2.230 | 74.6 | 5 | 2,225 | 160 | 6.7 | 601 |
| 35 to 39 years ....................................... | 1,547 | 1,222 | 79.0 | 1,127 | 72.8 | 3 | 1,124 | 95 | 7.8 | 325 |
| 40 to 44 years ....................................... | 1,444 | 1,167 | 80.9 | 1,103 | 76.4 | 1 | 1,102 | 65 | 5.5 | 276 |
| 45 to 54 years ......................................... | 2,053 | 1,520 | 74.0 | 1,455 | 70.9 | 4 | 1,452 | 65 | 4.3 | 533 |
| 45 to 49 years ........................................ | 1,191 | 922 | 77.4 | 877 | 73.6 | 2 | 875 | 45 | 4.9 | 269 |
| 50 to 54 years ........................................ | 862 | 598 | 69.4 | 578 | 67.1 | 1 | 577 | 20 | 3.3 | 264 |
| 55 to 64 years ........................................ | 1,268 | 615 | 48.5 | 594 | 46.9 | 2 | 592 | 21 | 3.4 | 652 |
| 55 to 59 years ......................................... | 688 | 396 | 57.6 | 382 | 55.4 | 1 | 380 | 15 | 3.7 | 292 |
| 60 to 64 years ......................................... | 579 | 219 | 37.8 | 213 | 36.8 | 1 | 212 | 6 | 2.7 | 360 |
| 65 years and over ...................................... | 1,626 | 128 | 7.9 | 120 | 7.4 | - | 120 | 8 | 6.1 | 1,498 |
| 65 to 69 years ........................................ | 515 | 72 | 14.1 | 67 | 13.0 | - | 67 | 5 | 7.4 | 443 |
| 70 to 74 years ......................................... | 428 | 34 | 7.9 | 32 | 7.6 | - | 32 | 2 | $\binom{1}{1}$ | 394 |
| 75 years and over ................................... | 683 | 22 | 3.2 | 21 | 3.1 | - | 21 | 1 | (1) | 661 |

[^18]
## 4. Employment status of the Hispanic-orgin population by age and sex

(Numbers in thousands)

| Age and sex | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Civilian noninstitutional population | Civilian labor force |  |  |  |  |  |  |  |  |
|  |  |  | Percent of population | Employed |  |  |  | Unemployed |  | Noi in labor force |
|  |  | Total |  | Total | Percent of population | Agriculture | Nonagricultural industries | Number | Percent of labor force |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |
| 16 years and over.. | 21,070 | 14,317 | 67.9 | 13,291 | 63.1 | 742 | 12,549 | 1,026 | 7.2 | 6,753 |
| 16 to 19 years ..................... | 2,204 | 1,007 | 45.7 | 793 | 36.0 | 36 | 757 | 214 | 21.3 | 1,197 |
| 16 to 17 years ................... | 1,070 | 320 | 29.9 | 230 | 21.5 | 8 | 222 | 89 | 28.0 | 750 |
| 18 to 19 years ................... | 1,135 | 688 | 60.6 | 563 | 49.6 | 28 | 535 | 125 | 18.1 | 447 |
| 20 to 24 years ..................... | 2,731 | 2,077 | 76.1 | 1,883 | 68.9 | 124 | 1,759 | 194 | 9.4 | 654 |
| 25 years and over ................ | 16,134 | 11,232 | 69.6 | 10,615 | 65.8 | 583 | 10,033 | 617 | 5.5 | 4,902 |
| 25 to 54 years ................... | 12,857 | 10,170 | 79.1 | 9,611 | 74.8 | 528 | 9,083 | 559 | 5.5 | 2,688 |
| 25 to 34 years .................. | 5,447 | 4,372 | 80.3 | 4,113 | 75.5 | 240 | 3,873 | 260 | 5.9 | 1,074 |
| 35 to 44 years .................. | 4,636 | 3,707 | 80.0 | 3,504 | 75.6 | 175 | 3,329 | 203 | 5.5 | 929 |
| 45 to 54 years ................. | 2,775 | 2,090 | 75.3 | 1,994 | 71.9 | 113 | 1,882 | 96 | 4.6 | 684 |
| 55 years and over .............. | 3,277 | 1,063 | 32.4 | 1,004 | 30.7 | 55 | 950 | 58 | 5.5 | 2,214 |
| 55 to 64 years .................. | 1,615 | 894 | 55.4 | 846 | 52.4 | 46 | 801 | 48 | 5.3 | 721 |
| 65 years and over ............ | 1,662 | 169 | 10.1 | 158 | 9.5 | 9 | 149 | 11 | 6.4 | 1,493 |
| Men |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ................. | 10,734 | 8,571 | 79.8 | 8,018 | 74.7 | 651 | 7,367 | 552 | 6.4 | 2,164 |
| 16 to 19 years ..................... | 1,161 | 565 | 48.7 | 449 | 38.6 | 30 | 418 | 117 | 20.6 | 596 |
| 16 to 17 years ................... | 586 | 188 | 32.0 | 133 | 22.7 | 8 | 126 | 54 | 29.0 | 398 |
| 18 to 19 years ................... | 575 | 377 | 65.7 | 315 | 54.9 | 23 | 293 | 62 | 16.4 | 197 |
| 20 to 24 years ..................... | 1,462 | 1,288 | 88.1 | 1,173 | 80.2 | 112 | 1,061 | 115 | 8.9 | 174 |
| 25 years and over ................ | 8,111 | 6,718 | 82.8 | 6,397 | 78.9 | 509 | 5,888 | 321 | 4.8 | 1,394 |
| 25 to 54 years ................... | 6,627 | 6,071 | 91.6 | 5,783 | 87.3 | 457 | 5,327 | 287 | 4.7 | 556 |
| 25 to 34 years .................. | 2,907 | 2,733 | 94.0 | 2,592 | 89.1 | 212 | 2,380 | 142 | 5.2 | 174 |
| 35 to 44 years .................. | 2,377 | 2,173 | 91.4 | 2,077 | 87.4 | 152 | 1,925 | 97 | 4.5 | 204 |
| 45 to 54 years ................. | 1,342 | 1,164 | 86.7 | 1,115 | 83.1 | 93 | 1,022 | 49 | 4.2 | 178 |
| 55 years and over .............. | 1,485 | 647 | 43.6 | 613 | 41.3 | 52 | 561 | 34 | 5.2 | 838 |
| 55 to 64 years ................. | 771 | 541 | 70.2 | 512 | 66.4 | 44 | 468 | 29 | 5.3 | 230 |
| 65 years and over ............ | 714 | 106 | 14.9 | 101 | 14.2 | 8 | 93 | 5 | 5.0 | 608 |
| Women |  |  |  |  |  |  |  |  |  |  |
| 16 years and over ................. | 10,335 | 5,746 | 55.6 | 5,273 | 51.0 | 91 | 5,182 | 473 | 8.2 | 4,589 |
| 16 to 19 years ..................... | 1,044 | 442 | 42.4 | 345 | 33.0 | 6 | 339 | 98 | 22.1 | 602 |
| 16 to 17 years ................... | 483 | 132 | 27.3 | 97 | 20.1 | - | 97 | 35 | 26.4 | 352 |
| 18 to 19 years ................... | 560 | 310 | 55.4 | 247 | 44.2 | 5 | 242 | 63 | 20.2 | 250 |
| 20 to 24 years ..... | 1,269 | 789 | 62.2 | 710 | 55.9 | 12 | 698 | 80 | 10.1 | 480 |
| 25 years and over ............... | 8,023 | 4,515 | 56.3 | 4,219 | 52.6 | 74 | 4,145 | 296 | 6.6 | 3,508 |
| 25 to 54 years ................... | 6,231 | 4,099 | 65.8 | 3,828 | 61.4 | 72 | 3,756 | 271 | 6.6 | 2,132 |
| 25 to 34 years ................. | 2,539 | 1,639 | 64.5 | 1,521 | 59.9 | 29 | 1,493 | 118 | 7.2 | 900 |
| 35 to 44 years ................. | 2,259 | 1,533 | 67.9 | 1,428 | 63.2 | 24 | 1,404 | 106 | 6.9 | 725 |
| 45 to 54 years ................. | 1,433 | 927 | 64.7 | 879 | 61.4 | 19 | 860 | 48 | 5.1 | 506 |
| 55 years and over .............. | 1,792 | 416 | 23.2 | 391 | 21.8 | 2 | 389 | 24 | 5.9 | 1,376 |
| 55 to 64 years .................. | 844 | 353 | 41.9 | 334 | 39.6 | 2 | 333 | 19 | 5.4 | 491 |
| 65 years and over ............ | 948 | 62 | 6.6 | 57 | 6.0 | 1 | 56 | 5 | 8.8 | 886 |

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.

HOUSEHOLD DATA
ANNUAL AVERAGES
5. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin
(Numbers in thousands)

| Employment status, sex, and age | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| TOTAL |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 203,133 | 205,220 | 169,993 | 171,478 | 24,003 | 24,373 | 20,321 | 21,070 |
| Civilian labor force :.............. | 136,297 | 137,673 | 114,693 | 115,415 | 15,529 | 15,982 | 13,796 | 14,317 |
| Percent of population | 67.1 | 67.1 | 67.5 | 67.3 | 64.7 | 65.6 | 67.9 | 67.9 |
| Employed .................. | 129,558 | 131,463 | 109,856 | 110,931 | 13,969 | 14,556 | 12,726 | 13,291 |
| Agriculture ...................................................... | 3,399 | 3,378 | 3,208 | 3,160 | 117 | 138 | 660 | 742 |
| Nonagricultural industries ................................. | 126,159 | 128,085 | 106,648 | 107,770 | 13,852 | 14,417 | 12,067 | 12.549 |
| Unemployed ................... | 6,739 | 6,210 | 4,836 | 4,484 | 1,560 | 1,426 | 1,069 | 1,026 |
| Unemployment rate | 4.9 | 4.5 | 4.2 | 3.9 | 10.0 | 8.9 | 7.7 | 7.2 |
| Not in labor force | 66,837 | 67,547 | 55,301 | 56,064 | 8.474 | 8,391 | 6,526 | 6,753 |
| Men, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 97,715 | 98,758 | 82,577 | 83,352 | 10,763 | 10,927 | 10,368 | 10,734 |
| Civilian labor force ............................................... | 73,261 | 73,959 | 62,639 | 63,034 | 7,354 | 7,542 | 8,309 | 8,571 |
| Percent of population | 75.0 | 74.9 | 75.9 | 75.6 | 68.3 | 69.0 | 80.1 | 79.8 |
| Employed | 69,685 | 70,693 | 59,998 | 60,604 | 6,607 | 6,871 | 7.728 | 8,018 |
| Agriculture | 2,552 | 2,553 | 2,389 | 2,376 | 103 | 118 | 571 | 651 |
| Nonagricultural industries | 67,133 | 68,140 | 57,608 | 58,228 | 6,504 | 6,752 | 7,157 | 7,367 |
| Unemployed | 3,577 | 3.266 | 2,641 | 2,431 | 747 | 671 | 582 | 552 |
| Unemployment rate | 4.9 | 4.4 | 4.2 | 3.9 | 10.2 | 8.9 | 7.0 | 6.4 |
| Not in labor force ................................................. | 24,454 | 24,799 | 19,938 | 20,317 | 3,409 | 3,386 | 2,059 | 2,164 |
| Men, 20 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 89,879 | 90,790 | 76,320 | 76,966 | 9,575 | 9,727 | 9,250 | 9,573 |
| Civilian labor force | 69,166 | 69,715 | 59,126 | 59,421 | 6,910 | 7,053 | 7,779 | 8,005 |
| Percent of population ......................................... | 77.0 | 76.8 | 77.5 | 77.2 | 72.2 | 72.5 | 84.1 | 83.6 |
| Employed ...... | 66,284 | 67,135 | 56,986 | 57,500 | 6,325 | 6,530 | 7,307 | 7,570 |
| Agriculture | 2,356 | 2,350 | 2,201 | 2,182 | 101 | 112 | 544 | 621 |
| Nonagricultural industries .................................. | 63,927 | 64,785 | 54,785 | 55,319 | 6,224 | 6,418 | 6,763 | 6,949 |
| Unemployed .................................................... | 2,882 | 2,580 | 2,140 | 1,920 | 585 | 524 | 471 | 436 |
| Unemployment rate | 4.2 | 3.7 | 3.6 | 3.2 | 8.5 | 7.4 | 6.1 | 5.4 |
| Not in labor force ................................................ | 20,713 | 21,075 | 17,194 | 17,545 | 2,665 | 2,673 | 1,471 | 1,568 |
| Women, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutionai population ........................... | 105,418 | 106,462 | 87,417 | 88,126 | 13,241 | 13,446 | 9,953 | 10,335 |
| Civilian labor force ............................................... | 63,036 | 63,714 | 52,054 | 52,380 | 8,175 | 8,441 | 5,486 | 5,746 |
| Percent of population ........................................ | 59.8 | 59.8 | 59.5 | 59.4 | 61.7 | 62.8 | 55.1 | 55.6 |
| Employed ... | 59,873 | 60,771 | 49,859 | 50,327 | 7,362 | 7,685 | 4,999 | 5,273 |
| Agriculture | 847 | 825 | 819 | 784 | 14 | 20 | 89 | 91 |
| Nonagricultural industries .................................. | 59,026 | 59,945 | 49,040 | 49,543 | 7,348 | 7,665 | 4,910 | 5,182 |
| Unemployed .................................................... | 3,162 | 2,944 | 2,195 | 2,053 | 813 | 756 | 488 | 473 |
| Unemployment rate .......................................... | 5.0 | 4.6 | 4.2 | 3.9 | 9.9 | 9.0 | 8.9 | 8.2 |
| Not in labor force ................................................ | 42,382 | 42.748 | 35.363 | 35,746 | 5,066 | 5,005 | 4,466 | 4.589 |
| Women, 20 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 97,889 | 98,786 | 81,492 | 82,073 | 12,016 | 12,203 | 8,950 | 9,292 |
| Civilian labor force .............................................. | 59,198 | 59,702 | 48,847 | 49,029 | 7,686 | 7,912 | 5,106 | 5,304 |
| Percent of population ........................................ | 60.5 | 60.4 | 59.9 | 59.7 | 64.0 | 64.8 | 57.0 | 57.1 |
| Empioyed ... | 56,613 | 57,278 | 47,063 | 47,342 | 7.013 | 7,290 | 4,705 | 4,928 |
| Agriculture | 798 | 768 | 771 | 729 | 13 | 19 | 83 | 85 |
| Nonagricultural industries ................................. | 55,815 | 56,510 | 46,292 | 46,612 | 7,000 | 7,272 | 4,622 | 4.843 |
| Unemployed .................................................... | 2,585 | 2,424 | 1,784 | 1,688 | 673 | 622 | 401 | 376 7.1 |
| Unemployment rate .......................................... | 4.4 | 4.1 | 3.7 | 3.4 | 8.8 | 7.9 | 7.9 | 7.1 |
| Not in labor force ................................................. | 38,691 | 39,084 | 32,645 | 33,044 | 4,330 | 4,291 | 3,845 | 3,988 |
| Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 15,365 | 15,644 | 12,181 | 12,439 | 2,412 | 2,443 | 2,121 | 2,204 |
| Civilian labor force ............................................... | 7,932 | 8,256 | 6,720 | 6,965 | 933 | 1,017 | 911 | 1,007 |
| Percent of population ........................................ | 51.6 | 52.8 | 55.2 | 56.0 | 38.7 | 41.6 | 43.0 | 45.7 |
| Employed ... | 6,661 | 7,051 | 5,807 | 6,089 | 631 | 736 | 714 | 793 |
| Agriculture ...................................................... | 244 | 261 | 236 | 250 | 3 | 8 | 33 | 36 757 |
| Nonagricultural industries .................................. | 6,417 | 6,790 | 5,571 | 5,839 | 628 | 728 | 682 | 757 |
| Unemployed ................................................... | 1,271 | 1,205 | 912 | 876 | 302 | 281 | 197 | 214 |
| Unemployment rate ......................................... | 16.0 7,433 | 14.6 7.388 | 13.6 5,462 | 12.6 5,475 | 32.4 1.479 | 27.6 1,427 | 21.6 1,210 | 21.3 1,197 |
| Not in labor force ................................................. | 7,433 | 7,388 | 5,462 | 5,475 | 1,479 | 1,427 | 1,210 | 1,197 |

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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 6. Employment status of the Mexican, Puerto Rican, and Cuban-origin population by sex and age

(Numbers in thousands)

| Employment status, sex, and age | Total Hispanic origin ${ }^{1}$ |  | Mexican origin |  | Puerto Rican origin |  | Cuban origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| TOTAL |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 20,321 | 21,070 | 12,443 | 13,216 | 2.139 | 2,080 | 1,025 | 1,062 |
| Civilian labor force ..................... | 13,796 | 14,317 | 8,546 | 9,096 | 1,293 | 1,249 | 646 | 651 |
| Percent of population ......................................... | 67.9 | 67.9 | 68.7 | 68.8 | 60.4 | 60.0 | 63.0 | 61.3 |
| Employed ......................................................... | 12,726 | 13,291 | 7,884 | 8,431 | 1,166 | 1,145 | 603 | 612 |
| Agriculture ...................................................... | 660 | 742 | 572 | 662 | 8 | 10 | 5 | 6 |
| Nonagricultural industries .................................. | 12,067 | 12,549 | 7,312 | 7,769 | 1,158 | 1,135 | 599 | 606 |
| Unemployed .................................................... | 1,069 | 1,026 | 662 | 664 | 127 | 104 | 43 | 39 |
| Unemployment rate .......................................... | 7.7 | 7.2 | 7.7 | 7.3 | 9.8 | 8.3 | 6.6 | 6.0 |
| Not in labor force ................................................. | 6.526 | 6,753 | 3,897 | 4,121 | 846 | 832 | 379 | 411 |
| Men, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 10,368 | 10,734 | 6,529 | 6,937 | 1,010 | 975 | 520 | 527 |
| Civilian labor force .............................................. | 8,309 | 8,571 | 5,316 | 5,660 | 723 | 672 | 387 | 387 |
| Percent of population | 80.1 | 79.8 | 81.4 | 81.6 | 71.6 | 68.9 | 74.4 | 73.5 |
| Employed | 7,728 | 8,018 | 4,941 | 5,291 | 654 | 615 | 364 | 371 |
| Agriculture ...................................................... | 571 | 651 | 492 | 579 | 6 | 8 | 4 | 5 |
| Nonagricultural industries .................................. | 7,157 | 7,367 | 4,450 | 4,712 | 648 | 607 | 360 | 366 |
| Unemployed ..................................................... | 582 | 552 | 374 | 369 | 69 | 57 | 23 | 16 |
| Unemployment rate .......................................... | 7.0 | 6.4 | 7.0 | 6.5 | 9.6 | 8.5 | 6.0 | 4.1 |
| Not in labor force ................................................. | 2,059 | 2,164 | 1,214 | 1,276 | 287 | 303 | 133 | 140 |
| Men, 20 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population | 9,250 | 9,573 | 5,795 | 6,139 | 889 | 872 | 500 | 499 |
| Civilian labor force ................................................ | 7,779 | 8,005 | 4,965 | 5,244 | 669 | 632 | 375 | 372 |
| Percent of population ........................................ | 84.1 | 83.6 | 85.7 | 85.4 | 75.3 | 72.4 | 74.9 | 74.6 |
| Employed ........................................................ | 7,307 | 7,570 | 4,659 | 4,959 | 619 | 586 | 352 | 359 |
| Agriculture ..................................................... | 544 | 621 | 466 | 551 | 6 | 8 | 4 | 5 |
| Nonagricultural industries .................................. | 6,763 | 6,949 | 4,193 | 4,408 | 614 | 578 | 348 | 354 |
| Unemployed ..................................................... | 471 | 436 | 306 | 285 | 50 | 46 | 22 | 13 |
| Unemployment rate .......................................... | 6.1 | 5.4 | 6.2 | 5.4 | 7.4 | 7.3 | 6.0 | 3.6 |
| Not in labor force ............... | 1,471 | 1,568 | 831 | 895 | 220 | 241 | 125 | 127 |
| Women, 16 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ........................... | 9,953 | 10,335 | 5,913 | 6,280 | 1,129 | 1,105 | 504 | 535 |
| Civilian labor force | 5,486 | 5,746 | 3,231 | 3,435 | 570 | 576 | 259 | 264 |
| Percent of population ......................................... | 55.1 | 55.6 | 54.6 | 54.7 | 50.5 | 52.2 | 51.3 | 49.2 |
| Employed | 4,999 | 5,273 | 2,943 | 3,140 | 512 | 529 | 239 | 241 |
| Agriculture ...................................................... | 89 | 91 | 80 | 83 | 3 | 2 | 1 | 1 |
| Nonagricultural industries .................................. | 4,910 | 5,182 | 2,863 | 3,057 | 510 | 528 | 239 | 240 |
| Unemployed ..................................................... | 488 | 473 | 288 | 296 | 58 | 47 | 20 | 23 |
| Unemployment rate .......................................... | 8.9 | 8.2 | 8.9 | 8.6 | 10.1 | 8.2 | 7.6 | 8.6 |
| Not in labor force ............................................... | 4,466 | 4,589 | 2,683 | 2,844 | 559 | 529 | 246 | 272 |
| Women, 20 years and over |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................ | 8,950 | 9,292 | 5,280 | 5,555 | 997 | 1,003 | 484 | 509 |
| Civilian labor force ................................................ | 5,106 | 5,304 | 2,984 | 3,119 | 521 | 530 | 251 | 252 |
| Percent of population ......................................... | 57.0 | 57.1 | 56.5 | 56.1 | 52.3 | 52.8 | 51.8 | 49.6 |
| Employed ......................................................... | 4,705 | 4,928 | 2,752 | 2,897 | 476 | 493 | 232 | 231 |
| Agriculture .................................................... | 83 | 85 | 75 | 77 | 2 | 2 | 1 | 1 |
| Nonagricultural industries .................................. | 4,622 | 4,843 | 2,677 | 2,820 | 474 | 491 | 232 | 230 |
| Unemployed ................................................... | 401 | 376 | 232 | 221 | 45 | 37 | 19 | 22 |
| Unemployment rate .......................................... | 7.9 | 7.1 | 7.8 | 7.1 | 8.7 | 7.0 | 7.4 | 8.6 |
| Not in labor force ................................................. | 3,845 | 3,988 | 2,296 | 2,436 | 475 | 473 | 233 | 257 |
| Both sexes, 16 to 19 years |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................ | 2,121 | 2,204 | 1,368 | 1,523 | 254 | 205 | 40 | 54 |
| Civilian labor force ............................................... | 911 | 1,007 | 598 | 733 | 103 | 87 | 20 | 26 |
| Percent of population ......................................... | 43.0 | 45.7 | 43.7 | 48.1 | 40.4 | 42.5 | 49.7 | 48.1 |
| Employed ......................................................... | 714 | 793 | 473 | 575 | 71 | 66 | 18 | 22 |
| Agriculture ..................................................... | 33 | 36 | 31 | 34 | - | 1 |  | - |
| Nonagricultural industries .................................. | 682 | 757 | 442 | 541 | 70 | 65 | 18 | 22 |
| Unemployed ..................................................... | 197 | 214 | 125 | 158 | 32 | 21 | 2 | 4 |
| Unemployment rate .......................................... | 21.6 | 21.3 | 20.9 | 21.5 | 31.2 | 24.1 | $\left({ }^{2}\right)$ | (2) |
| Not in labor force ................................................. | 1,210 | 1,197 | 770 | 790 | 151 | 118 | 20 | 28 |

[^19]NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
7. Employment status of the civilian noninstitutional population $\mathbf{2 5}$ years and over by educational attainment, sex, race, and Hispanic origin
(Numbers in thousands)

| Educational attainment | Total |  | Men |  | Women |  | White |  | Black |  | Hispanic origın |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 170,327 | 171,983 | 81,173 | 81,986 | 89,153 | 89,997 | 143,829 | 144,900 | 19,076 | 19,384 | 15,577 | 16,134 |
| Civilian labor force ....................... | 114,833 | 115,779 | 61,982 | 62,494 | 52,851 | 53,285 | 96,846 | 97,206 | 12,813 | 13,168 | 10,880 | 11,232 |
| Percent of population ................ | 67.4 | 67.3 | 76.4 | 76.2 | 59.3 | 59.2 | 67.3 | 67.1 | 67.2 | 67.9 | 69.8 | 69.6 |
| Employed ................................. | 110,518 | 111,855 | 59,736 | 60,497 | 50,782 | 51,359 | 93,687 | 94,330 | 11,882 | 12,324 | 10,214 | 10,615 |
| Employment-population ratio ...... | 64.9 | 65.0 | 73.6 | 73.8 | 57.0 | 57.1 | 65.1 | 65.1 | 62.3 | 63.6 | 65.6 | 65.8 |
| Unemployed ............................ | 4,315 | 3,924 | 2,246 | 1,998 | 2,069 | 1,926 | 3,159 | 2,877 | 930 | 844 | 666 | 617 |
| Unemployment rate ................... | 3.8 | 3.4 | 3.6 | 3.2 | 3.9 | 3.6 | 3.3 | 3.0 | 7.3 | 6.4 | 6.1 | 5.5 |
| Less than a high school diploma |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 29,757 | 29,375 | 14,119 | 13,975 | 15,638 | 15,400 | 23,785 | 23,557 | 4,611 | 4,459 | 6,968 | 7,138 |
| Civilian labor force ....................... | 12,564 | 12,561 | 7,766 | 7,711 | 4,798 | 4,850 | 10,144 | 10,146 | 1,816 | 1,785 | 4,084 | 4,191 |
| Percent of population ................. | 42.2 | 42.8 | 55.0 | 55.2 | 30.7 | 31.5 | 42.6 | 43.1 | 39.4 | 40.0 | 58.6 | 58.7 |
| Employed ................................. | 11,546 | 11,673 | 7,210 | 7,238 | 4,336 | 4,435 | 9,414 | 9,510 | 1,578 | 1,579 | 3,738 | 3,889 |
| Employment-population ratio ...... | 38.8 | 39.7 | 51.1 | 51.8 | 27.7 | 28.8 | 39.6 | 40.4 | 34.2 | 35.4 | 53.7 | 54.5 |
| Unemployed ............................. | 1,018 | 887 | 557 | 472 | 461 | 415 | 730 | 635 | 238 | 207 | 346 | 303 |
| Unemployment rate .................. | 8.1 | 7.1 | 7.2 | 6.1 | 9.6 | 8.6 | 7.2 | 6.3 | 13.1 | 11.6 | 8.5 | 7.2 |
| High school graduates, no college |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 57,424 | 57,524 | 26,076 | 26,212 | 31,348 | 31,313 | 48,728 | 48,709 | 6,837 | 6,910 | 4,154 | 4.296 |
| Civilian labor force ....................... | 37,769 | 37,465 | 19,967 | 19,961 | 17,802 | 17,504 | 31,699 | 31,313 | 4,798 | 4,864 | 3,123 | 3,195 |
| Percent of population ................. | 65.8 | 65.1 | 76.6 | 76.2 | 56.8 | 55.9 | 65.1 | 64.3 | 70.2 | 70.4 | 75.2 | 74.4 |
| Employed .................................. | 36,163 | 35,976 | 19,124 | 19,188 | 17,039 | 16,788 | 30,552 | 30,249 | 4,409 | 4,504 | 2,945 | 3.018 |
| Employment-popuiation ratio ...... | 63.0 | 62.5 | 73.3 | 73.2 | 54.4 | 53.6 | 62.7 | 62.1 | 64.5 | 65.2 | 70.9 | 70.2 |
| Unemployed ............................ | 1,606 | 1,489 | 844 | 773 | 763 | 717 | 1,147 | 1,064 | 389 | 360 | 178 | 177 |
| Unemployment rate .................. | 4.3 | 4.0 | 4.2 | 3.9 | 4.3 | 4.1 | 3.6 | 3.4 | 8.1 | 7.4 | 5.7 | 5.5 |
| Less than a bachelor's degree ${ }^{1}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 41,946 | 42,261 | 19,387 | 19,488 | 22,560 | 22,773 | 35,552 | 35,643 | 4,890 | 5,042 | 2,830 | 2,934 |
| Civilian labor force ......... | 31,343 | 31,412 | 15,892 | 15,860 | 15,451 | 15,552 | 26,326 | 26,211 | 3,884 | 4,000 | 2,309 | 2,373 |
| Percent of population ................ | 74.7 | 74.3 | 82.0 | 81.4 | 68.5 | 68.3 | 74.0 | 73.5 | 79.4 | 79.3 | 81.6 | 80.9 |
| Employed .................................. | 30,321 | 30.477 | 15,393 | 15,415 | 14,928 | 15,062 | 25,574 | 25,527 | 3,665 | 3,795 | 2,214 | 2,282 |
| Employment-population ratio ...... | 72.3 | 72.1 | 79.4 | 79.1 | 66.2 | 66.1 | 71.9 | 71.6 | 74.9 | 75.3 | 78.2 | 77.8 |
| Unemployed ........................ | 1,022 | 935 | 499 | 445 | 523 | 489 | 752 | 685 | 219 | 204 | 95 | 91 |
| Unemployment rate .................. | 3.3 | 3.0 | 3.1 | 2.8 | 3.4 | 3.1 | 2.9 | 2.6 | 5.6 | 5.1 | 4.1 | 3.8 |
| Some college, no degree |  |  |  |  |  |  |  |  |  |  |  |  |
| Civlian noninstitutional population ... | 29,448 | 29,526 | 14,009 | 13,883 | 15,439 | 15,642 | 24,817 | 24,715 | 3,640 | 3,768 | 2,056 | 2,120 |
| Civilian labor force ........................ | 21,430 | 21,311 | 11,252 | 11,018 | 10,178 | 10,293 | 17,845 | 17,592 | 2,855 | 2,938 | 1,672 | 1,689 |
| Percent of population ................. | 72.8 | 72.2 | 80.3 | 79.4 | 65.9 | 65.8 | 71.9 | 71.2 | 78.4 | 78.0 | 81.3 | 79.7 |
| Employed ..................... | 20,678 | 20,626 | 10,876 | 10,684 | 9,802 | 9,943 | 17,302 | 17,101 | 2,681 | 2,776 | 1,603 | 1,622 |
| Employment-population ratio ...... | 70.2 | 69.9 | 77.6 | 77.0 | 63.5 | 63.6 | 69.7 | 69.2 | 73.6 | 73.7 | 77.9 | 76.5 |
| Unemployed ............................. | 752 | 684 | 377 | 335 | 376 | 350 | 543 | 491 | 175 | 162 | 69 | 68 |
| Unemployment rate .................. | 3.5 | 3.2 | 3.3 | 3.0 | 3.7 | 3.4 | 3.0 | 2.8 | 6.1 | 5.5 | 4.1 | 4.0 |
| Associate degree |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 12,498 | 12,735 | 5,378 | 5,604 | 7.121 | 7,131 | 10,735 | 10,928 | 1,250 | 1,273 | 773 | 814 |
| Civilian labor force ....................... | 9,913 | 10.101 | 4,640 | 4,842 | 5,273 | 5,259 | 8,481 | 8,619 | 1,029 | 1,061 | 637 | 683 |
| Percent of population ................. | 79.3 | 79.3 | 86.3 | 86.4 | 74.1 | 73.7 | 79.0 | 78.9 | 82.3 | 83.4 | 82.3 | 84.0 |
| Employed ................................. | 9,643 | 9,850 | 4,517 | 4,731 | 5,126 | 5,119 | 8,271 | 8,426 | 984 | 1,020 | 611 | 660 |
| Employment-population ratio ...... | 77.2 | 77.3 | 84.0 | 84.4 | 72.0 | 71.8 | 77.1 | 77.1 | 78.7 | 80.1 | 79.0 | 81.7 |
| Unemployed ............................. | 270 | 251 | 123 | 111 | 147 | 140 | 210 | 193 | 45 | 42 | 26 | 23 |
| Unemployment rate .................. | 2.7 | 2.5 | 2.6 | 2.3 | 2.8 | 2.7 | 2.5 | 2.2 | 4.3 | 3.9 | 4.0 | 3.4 |
| College graduates |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ... | 41,200 | 42,822 | 21,592 | 22,312 | 19,608 | 20,510 | 35,764 | 36,991 | 2,738 | 2,973 | 1,625 | 1,766 |
| Civilian labor force ....................... | 33,157 | 34,342 | 18,357 | 18,963 | 14,800 | 15,379 | 28,677 | 29,537 | 2,314 | 2,520 | 1,364 | 1,474 |
| Percent of population | 80.5 | 80.2 | 85.0 | 85.0 | 75.5 | 75.0 | 80.2 | 79.8 | 84.5 | 84.7 | 83.9 | 83.4 |
| Employed ................................ | 32,488 | 33,730 | 18,010 | 18,656 | 14,478 | 15,074 | 28,148 | 29,044 | 2,230 | 2,446 | 1,316 | 1,427 |
| Employment-population ratio ...... | 78.9 | 78.8 | 83.4 | 83.6 | 73.8 | 73.5 | 78.7 | 78.5 | 81.4 | 82.3 | 81.0 | 80.8 |
| Unemployed ............................. | 669 | 612 | 347 | 307 | 322 | 305 | 529 | 493 | 84 | 74 | 47 | 47 |
| Unemployment rate ................... | 2.0 | 1.8 | 1.9 | 1.6 | 2.2 | 2.0 | 1.8 | 1.7 | 3.6 | 2.9 | 3.5 | 3.2 |

1 Includes the categories, some college, no degree, and associate degree.
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. Beginning in January 1998 data reflect new composite estimation procedures and revised population controls used in the household survey.
8. Employed and unemployed full- and part-time workers by age, sex, and race
(Numbers in thousands)

| Age, sex, and race | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Employed ${ }^{1}$ |  |  |  |  |  |  |  | Unempioyed |  |
|  | Full-time workers |  |  |  | Part-time workers |  |  |  | Looking for full-time work | Looking for part-time work |
|  | Total | At work |  | Notat work | Total | At work ${ }^{2}$ |  | Not work |  |  |
|  |  | 35 <br> hours or more | 1 to 34 hours for economic or noneconomic reasons |  |  | Part time for economic reasons | $\qquad$ |  |  |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over | 108,202 | 91,880 | 12,260 | 4,062 | 23,261 | 2,497 | 19,239 | 1,524 | 4,916 | 1,293 |
| 16 to 19 years ........................................... | 2,320 | 1,914 | 344 | 61 | 4,731 | 300 | 4,233 | 198 | 584 | 621 |
| 16 to 17 years ......................................... | 353 | 271 | 70 | 12 | 2,409 | 60 | 2,242 | 107 | 164 | 409 |
| 18 to 19 years ....................................... | 1,967 | 1,643 | 275 | 49 | 2,322 | 240 | 1,990 | 91 | 420 | 212 |
| 20 years and over | 105,882 | 89,966 | 11,915 | 4,001 | 18,530 | 2,197 | 15,007 | 1,326 | 4,332 | 672 |
| 20 to 24 years | 9,273 | 7,926 | 1,106 | 240 | 3,285 | 466 | 2,667 | 151 | 910 | 171 |
| 25 years and over | 96,609 | 82,040 | 10,810 | 3,760 | 15,246 | 1,731 | 12,339 | 1,175 | 3,423 | 501 |
| 25 to 54 years. | 84,274 | 71,912 | 9,240 | 3,121 | 10,985 | 1,513 | 8,665 | 806 | 3,097 | 362 |
| 55 years and over ................................ | 12,336 | 10,127 | 1,570 | 639 | 4,261 | 218 | 3,674 | 369 | 325 | 139 |
| Men, 16 years and over ......................... | 63,189 | 55,080 | 6,136 | 1,973 | 7,504 | 1,063 | 6,026 | 416 | 2,707 | 559 |
| 16 to 19 years ......................................... | 1,351 | 1,133 | 186 | 32 | 2,207 | 137 | 1,976 | 94 | 340 | 345 |
| 20 years and over | 61,837 | 53,947 | 5,950 | 1,940 | 5,297 | 925 | 4,050 | 322 | 2,366 | 214 |
| 20 to 24 years | 5,294 | 4,627 | 557 | 110 | 1,344 | 218 | 1,074 | 51 | 509 | 73 |
| 25 years and over | 56,543 | 49,320 | 5,393 | 1,830 | 3,953 | 708 | 2,975 | 271 | 1,857 | 141 |
| 25 to 54 years ...................................... | 49,092 | 43,061 | 4,555 | 1,476 | 2,182 | 612 | 1,440 | 130 | 1,648 | 80 |
| 55 years and over ................................. | 7,451 | 6,259 | 838 | 355 | 1,772 | 96 | 1,535 | 141 | 209 | 61 |
| Wornen, 16 years and over | 45,014 | 36,800 | 6,124 | 2,090 | 15,757 | 1,435 | 13,214 | 1,108 | 2,210 | 734 |
| 16 to 19 years ........................................ | 969 | 781 | 158 | 29 | 2,524 | 163 | 2,257 | 104 | 244 | 276 |
| 20 years and over .................................... | 44,045 | 36,019 | 5,965 | 2,061 | 13,233 | 1,272 | 10,957 | 1,004 | 1,966 | 458 |
| 20 to 24 years ....................................... | 3,979 | 3,299 | 549 | 131 | 1,941 | 248 | 1,593 | 100 | 400 | 98 |
| 25 years and over ................................... | 40,066 | 32,720 | 5,416 | 1,930 | 11.292 | 1.024 | 9,364 | 905 | 1,566 | 360 |
| 25 to 54 years ...................................... | 35,181 | 28,851 | 4,685 | 1,646 | 8,803 | 901 | 7,225 | 677 | 1,449 | 282 |
| 55 years and over ................................ | 4,885 | 3,868 | 732 | 284 | 2.490 | 122 | 2,139 | 228 | 116 | 78 |
| White |  |  |  |  |  |  |  |  |  |  |
| Men, 16 years and over .............. | 54,206 | 47,239 | 5,257 | 1,709 | 6,398 | 829 | 5,209 | 360 | 1,999 | 432 |
| 16 to 19 years ........................................ | 1,188 | 999 | 162 | ${ }^{27}$ | 1,915 | 113 | 1,723 | 80 | 242 | 268 |
| 20 years and over .................................... | 53,017 | 46,240 | 5,095 | 1,682 | 4.483 | 716 | 3,487 | 280 | 1,756 | 164 |
| 20 to 24 years ....................................... | 4,540 | 3,971 | 475 | 95 | 1,118 | 172 | 902 | 44 | 349 | 56 |
| 25 years and over .................................. | 48,477 | 42,269 | 4,620 | 1,588 | 3,365 | 544 | 2,585 | 236 | 1,408 | 108 |
| 25 to 54 years .................................... | 41,872 | 36,733 | 3,876 | 1,264 | 1,763 | 466 | 1,190 | 107 | 1,237 | 57 |
| 55 years and over ............................... | 6,605 | 5,536 | 745 | 324 | 1,602 | 78 | 1,395 | 128 | 170 | 51 |
| Women, 16 years and over ................... | 36,553 | 29,792 | 5,039 | 1,722 | 13,774 | 1,089 | 11,695 | 990 | 1,481 | 572 |
| 16 to 19 years ......................................... | 816 | 663 | 129 | 24 | 2,170 | 136 | 1,945 | 88 | 163 | 202 |
| 20 years and over .................................... | 35,738 | 29,130 | 4,910 | 1,698 | 11,604 | 953 | 9,749 | 902 | 1,318 | 370 |
| 20 to 24 years ....................................... | 3,241 | 2,698 | 443 | 100 | 1,612 | 188 | 1,342 | 83 | 255 | 72 |
| 25 years and over ................................. | 32,497 | 26,431 | 4,467 | 1.599 | 9,992 | 765 | 8,407 | 819 | 1,063 | 298 |
| 25 to 54 years ..................................... | 28,310 | 23,118 | 3,838 | 1,353 | 7,766 | 672 | 6,483 | 611 | 974 | 232 |
| 55 years and over ................................ | 4,187 | 3,313 | 629 | 246 | 2,226 | 93 | 1,925 | 208 | 89 | 66 |
| Black |  |  |  |  |  |  |  |  |  |  |
| Men, 16 years and over .............. | 6.148 | 5,322 | 637 | 189 | 723 | 168 | 520 | 34 | 572 | 99 |
| 16 to 19 years ......................................... | 125 | 104 | 17 | 3 | 216 | 21 | 185 | 10 | 85 | 62 |
| 20 years and over ................................... | 6,023 | 5,218 | 620 | 185 | 507 | 147 | 334 | 25 | 487 | 37 |
| 20 to 24 years ....................................... | 550 | 478 | 62 | 10 | 136 | 37 | 94 | 4 | 140 | 11 |
| 25 years and over .................................. | 5,473 | 4,740 | 558 | 175 | 371 | 110 | 240 | 21 | 347 | 26 |
| 25 to 54 years ..................................... | 4,922 | 4,279 | 489 | 153 | 256 | 100 | 142 | 13 | 323 | 18 |
| 55 years and over ................................. | 551 | 460 | 69 | 22 | 115 | 10 | 98 | 7 | 25 | 8 |
| Women, 16 years and over ................... | 6,281 | 5,166 | 828 | 288 | 1,404 | 278 | 1,045 | 81 | 624 | 131 |
| 16 to 19 years ......................................... | 122 | 92 | 25 | 5 | 273 | 22 | 237 | 13 | 69 | 65 |
| 20 years and over ................................... | 6,159 | 5.073 | 803 | 283 | 1,131 | 256 | 807 | 68 | 555 | 66 |
| 20 to 24 years ....................................... | 579 | 466 | 87 | 25 | 231 | 49 | 170 | 12 | 129 | 21 |
| 25 years and over .................................. | 5,581 | 4,607 | 715 | 258 | 900 | 207 | 637 | 56 | 426 | 45 |
| 25 to 54 years ..................................... | 5,065 | 4,200 | 634 | 230 | 701 | 184 | 476 | 41 | 407 | 36 |
| 55 years and over ................................. | 516 | 407 | 81 | 28 | 199 | 23 | 161 | 15 | 19 | 9 |
| 1 Employed persons are classified as full- or part-time workers based on |  |  |  | 2 Includes some persons at work 35 hours or more classified by their |  |  |  |  |  |  |
|  |  |  |  | reason for working part time. |  |  |  |  |  |  |
| at work during the reference week. Perso classified according to their usual status. | ons absen | from wo | \% also are | procedures and revised population controls used in the household survey. |  |  |  |  |  |  |

## HOUSEHOLD DATA

## ANNUAL AVERAGES

## 9. Employed persons by occupation, sex, and age

(Numbers in thousands)

| Occupation | Total |  | Men |  |  |  | Women |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 16 years and over |  | 16 years and over |  | 20 years and over |  | 16 years and over |  | 20 years and over |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total | 129,558 | 131,463 | 69,685 | 70,693 | 66,284 | 67,135 | 59,873 | 60,771 | 56,613 | 57,278 |
| Managerial and professional specialty | 37,686 | 38,937 | 19,249 | 19,867 | 19,131 | 19,738 | 18,437 | 19,070 | 18,299 | 18,890 |
| Executive, administrative, and managerial | 18,440 | 19,054 | 10,271 | 10,585 | 10,223 | 10,534 | 8,170 | 8,469 | 8,124 | 8,407 |
| Officials and administrators, public administration | 694 | 719 | 372 | 389 | 372 | 388 | 322 | 330 | 322 | 329 |
| Other executive, administrative, and managerial | 13,143 | 13,635 | 7,951 | 8,181 | 7,911 | 8,137 | 5,191 | 5,454 | 5,154 | 5.406 |
| Management-related occupations ................. | 4,604 | 4,700 | 1,948 | 2,015 | 1,940 | 2,008 | 2,656 | 2,685 | 2,648 | 2.672 |
| Professionai specialty ...... | 19,245 | 19,883 | 8,978 | 9,282 | 8,907 | 9,204 | 10,267 | 10,602 | 10,176 | 10.483 |
| Engineers ............... | 2,036 | 2,052 | 1,841 | 1,824 | 1,840 | 1,822 | 195 | 228 | 194 | 228 |
| Mathematical and computer scientists | 1,494 | 1,747 | 1,040 | 1,243 | 1,034 | 1,235 | 454 | 505 | 453 | 501 |
| Natural scientists | 529 | 519 | 365 | 359 | 365 | 359 | 164 | 161 | 164 | 160 |
| Health diagnosing occupations | 1,027 | 1,083 | 769 | 798 | 769 | 797 | 259 | 285 | 258 | 284 |
| Health assessment and treating occupations | 2,886 | 2,898 | 391 | 428 | 390 | 427 | 2,495 | 2,470 | 2,492 | 2,467 |
| Teachers, college and university ........... | 869 | 919 | 498 | 530 | 492 | 524 | 371 | 389 | 364 | 384 |
| Teachers, except college and university | 4,798 | 4,962 | 1,166 | 1,225 | 1,149 | 1,208 | 3,632 | 3,737 | 3,594 | 3,683 |
| Lawyers and judges | 925 | 951 | 678 | 679 | 677 | 678 | 247 | 272 | 246 | 272 |
| Other professional specialty occupations ................................ | 4,681 | 4,750 | 2,231 | 2,196 | 2.192 | 2,154 | 2,450 | 2,555 | 2.409 | 2,502 |
| Technical, sales, and administrative support | 38,309 | 38,521 | 13,760 | 13,792 | 12,981 | 12,973 | 24,549 | 24,728 | 22,859 | 22,893 |
| Technicians and related support | 4,214 | 4,261 | 2,028 | 1,976 | 1,989 | 1,938 | 2,186 | 2,285 | 2,153 | 2,251 |
| Health technologists and technicians | 1,693 | 1,733 | 336 | 319 | 333 | 312 | 1,357 | 1,414 | 1,339 | 1,400 |
| Engineering and science technicians | 1,246 | 1,255 | 955 | 930 | 932 | 908 | 291 | 325 | 281 | 314 |
| Technicians, except health, engineering, and science | 1,275 | 1,273 | 737 | 728 | 725 | 718 | 538 | 545 | 532 | 537 |
| Sales occupations | 15,734 | 15,850 | 7,840 | 7,875 | 7,320 | 7,324 | 7,894 | 7,975 | 6,804 | 6.778 |
| Supervisors and proprietors | 4,635 | 4,719 | 2,855 | 2,829 | 2,833 | 2,809 | 1,780 | 1,890 | 1.754 | 1,855 |
| Sales representatives, finance and business services | 2,613 | 2,668 | 1,464 | 1,504 | 1,445 | 1,470 | 1,149 | 1,165 | 1,124 | 1,126 |
| Sales representatives, commodities, except retail | 1,507 | 1,584 | 1,132 | 1,173 | 1,126 | 1,166 | 375 | 411 | 369 | 402 |
| Sales workers, retail and personal services | 6,887 | 6,784 | 2,364 | 2,344 | 1,892 | 1,855 | 4,523 | 4,440 | 3,493 | 3,330 |
| Sales-related occupations | 91 | 94 | 24 | 26 | 23 | 24 | 67 | 68 | 64 | 66 |
| Administrative support, including clerical | 18,361 | 18,410 | 3,892 | 3,941 | 3,673 | 3,711 | 14,469 | 14,469 | 13,902 | 13,863 |
| Supervisors ............................ | 685 | 698 | 275 | 279 | 274 | 277 | 410 | 419 | 406 | 417 |
| Computer equipment operators | 392 | 375 | 162 | 170 | 158 | 166 | 229 | 205 | 223 | 202 |
| Secretaries, stenographers, and typists | 3,692 | 3,599 | 79 | 85 | 73 | 80 | 3,613 | 3,515 | 3,519 | 3,415 |
| Financial records processing | 2,196 | 2,214 | 172 | 175 | 165 | 166 | 2,024 | 2,039 | 1,998 | 2,008 |
| Mail and message distributing | 977 | 984 | 606 | 611 | 588 | 595 | 371 | 374 | 360 | 362 |
| Other administrative support, including clerical | 10,420 | 10,539 | 2,597 | 2,622 | 2,413 | 2,428 | 7,823 | 7,917 | 7,395 | 7.459 |
| Service occupations | 17,537 | 17,836 | 7,122 | 7.222 | 6,134 | 6,237 | 10,416 | 10,614 | 9,284 | 9.436 |
| Private nousehold | 795 | 847 | 37 | 46 | 30 | 40 | 758 | 801 | 670 | 708 |
| Protective service | 2,300 | 2,417 | 1,890 | 1,986 | 1,837 | 1,948 | 411 | 431 | 373 | 385 |
| Service, except private household and protective | 14,442 | 14,572 | 5,195 | 5,190 | 4,267 | 4,249 | 9,247 | 9,382 | 8,241 | 8,343 |
| Food service | 5,999 | 6,071 | 2,590 | 2,639 | 1,876 | 1,919 | 3,409 | 3,432 | 2,705 | 2,726 |
| Health service | 2,447 | 2,480 | 289 | 285 | 278 | 266 | 2,158 | 2,194 | 2,075 | 2,097 |
| Cleaning and building service | 3,108 | 3,112 | 1,764 | 1,728 | 1,641 | 1,597 | 1,344 | 1,384 | 1,286 | 1,317 |
| Personal service .................. | 2,888 | 2,909 | 552 | 537 | 473 | 467 | 2,335 | 2,371 | 2.174 | 2,203 |
| Precision production, craft, and repair | 14,124 | 14,411 | 12,868 | 13,208 | 12,575 | 12,878 | 1,256 | 1,203 | 1,229 | 1,181 |
| Mechanics and repairers | 4,675 | 4,786 | 4,494 | 4,592 | 4,400 | 4,475 | 181 | 194 | 178 | 191 |
| Construction trades .. | 5,378 | 5,594 | 5,251 | 5,485 | 5,113 | 5,319 | 127 | 109 | 122 | 104 |
| Other precision production, craft, and repair .............................. | 4,071 | 4,031 | 3,123 | 3,131 | 3,063 | 3,084 | 948 | 900 | 928 | 886 |
| Operators, fabricators, and laborers | 18,399 | 18,256 | 13,858 | 13,769 | 12,876 | 12,736 | 4,540 | 4,487 | 4,318 | 4,264 |
| Machine operators, assemblers, and inspectors | 7,962 | 7.791 | 4,962 | 4,882 | 4,794 | 4,695 | 3,000 | 2,909 | 2,916 | 2,826 |
| Transportation and material moving occupations | 5,389 | 5,363 | 4,872 | 4,818 | 4,774 | 4,703 | 518 | 545 | 500 | 531 |
| Motor vehicle operaiors ......... | 4,089 | 4,069 | 3,629 | 3,601 | 3,548 | 3,517 | 461 | 468 | 445 | 455 |
| Other transportation and material moving occupations | 1,300 | 1,294 | 1,243 | 1,217 | 1,226 | 1,187 | 57 | 77 | 55 | 76 |
| Handlers, equipment cleaners, helpers, and laborers ... | 5,048 | 5,102 | 4,025 | 4,069 | 3,309 | 3,338 | 1,023 | 1,033 | 901 | 908 |
| Construction laborers ......................................... | 811 | 821 | 773 | 784 | 703 | 706 | 37 | 37 | 36 | 35 |
| Other handlers, equipment cleaners, helpers, and laborers ......... | 4,237 | 4,282 | 3,252 | 3,285 | 2,605 | 2,632 | 985 | 996 | 865 | 873 |
| Farming, forestry, and fishing | 3,503 | 3,502 | 2,828 | 2,835 | 2,587 | 2,572 | 675 | 668 | 625 | 614 |
| Farm operators and managers | 1,317 | 1,187 | 1,012 | 913 | 1,000 | 905 | 305 | 274 | 302 | 270 |
| Other farming, forestry, and fishing occupations ........................ | 2,186 | 2,315 | 1,816 | 1,921 | 1,587 | 1,666 | 371 | 394 | 323 | 343 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 10. Employed persons by occupation, race, and sex

(Percent distribution)

| Occupation and race | Total |  | Men |  | Women |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| TOTAL |  |  |  |  |  |  |
| Total, 16 years and over (thousands) | 129,558 | 131,463 | 69,685 | 70,693 | 59,873 | 60.771 |
| Percent ................. | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Managerial and professional specialty ............................................................. | 29.1 | 29.6 | 27.6 | 28.1 | 30.8 | 31.4 |
| Executive, administrative, and managerial ........................................................ | 14.2 | 14.5 | 14.7 | 15.0 | 13.6 | 13.9 |
| Professional specialty ..................... | 14.9 | 15.1 | 12.9 | 13.1 | 17.1 | 17.4 |
| Technical, sales, and administrative support | 29.6 | 29.3 | 19.7 | 19.5 | 41.0 | 40.7 |
| Technicians and related support | 3.3 | 3.2 | 2.9 | 2.8 | 3.7 | 3.8 |
| Sales occupations | 12.1 | 12.1 | 11.3 | 11.1 | 13.2 | 13.1 |
| Administrative support, including clerical .......................................................... | 14.2 | 14.0 | 5.6 | 5.6 | 24.2 | 23.8 |
| Service occupations ....................................................................................... | 13.5 | 13.6 | 10.2 | 10.2 | 17.4 | 17.5 |
| Private household | . 6 | . 6 | . 1 | . 1 | 1.3 | 1.3 |
| Protective service | 1.8 | 1.8 | 2.7 | 2.8 | . 7 | 7 |
| Service, except private household and protective .............................................. | 11.1 | 11.1 | 7.5 | 7.3 | 15.4 | 15.4 |
| Precision production, craft, and repair ............................................................... | 10.9 | 11.0 | 18.5 | 18.7 | 2.1 | 2.0 |
| Operators, fabricators, and laborers ... | 14.2 | 13.9 | 19.9 | 19.5 | 7.6 | 7.4 |
| Machine operators, assemblers, and inspectors ............................................... | 6.1 | 5.9 | 7.1 | 6.9 | 5.0 | 4.8 |
| Transportation and material moving occupations ............................................... | 4.2 | 4.1 | 7.0 | 6.8 | . 9 | . 9 |
| Handlers, equipment cleaners, helpers, and laborers | 3.9 | 3.9 | 5.8 | 5.8 | 1.7 | 1.7 |
| Farming, forestry, and fishing ........................................................................ | 2.7 | 2.7 | 4.1 | 4.0 | 1.1 | 1.1 |
| White |  |  |  |  |  |  |
| Total, 16 years and over (thousands) ............................................................... | 109,856100.0 | 110,931100.0 | 59,998100.0 | 60,604100.0 | 49,859 | 50,327 |
| Percent ....................................... |  |  |  |  | 100.0 | 100.0 |
| Managerial and professional specialty | 30.1 | 30.7 | 28.5 | 29.1 | 32.0 | 32.6 |
| Executive, administrative, and managerial | 14.9 | 15.2 | 15.5 | 15.8 | 14.3 | 14.6 |
| Professional specialty ..................... | 15.2 | 15.5 | 13.0 | 13.3 | 17.8 | 18.7 |
| Technical, sales, and administrative support | 29.7 | 29.3 | 19.8 | 19.5 | 41.6 | 41.1 |
| Technicians and related support | 3.3 | 3.2 | 2.9 | 2.7 | 3.7 | 3.8 |
| Sales occupations ..... | 12.5 | 12.4 | 11.7 | 11.5 | 13.4 | 13.4 |
| Administrative support, including clerical | 13.9 | 13.7 | 5.2 | 5.2 | 24.5 | 24.0 |
| Service occupations | 12.4 | 12.4 | 9.2 | 9.2 | 16.2 | 16.3 |
| Private household . | . 6 | . 6 | ( ${ }^{1}$ ) | (1) | 1.2 | 1.3 |
| Protective service | 1.6 | 1.7 | 2.5 | 2.6 | . 6 | . 6 |
| Service, except private household and protective | 10.2 | 10.1 | 6.6 | 6.5 | 14.4 | 14.4 |
| Precision production, cratt, and repair ................. | 11.4 | 11.5 | 19.1 | 19.4 | 2.0 | 1.9 |
| Operators, fabricators, and laborers ...... | 13.5 | 13.2 | 19.0 | 18.5 | 6.9 | 6.8 |
| Machine operators, assemblers, and inspectors | 5.8 | 5.5 | 6.9 | 6.6 | 4.4 | 4.3 |
| Transportation and material moving occupations | 4.0 | 3.9 | 6.7 | 6.5 | . 8 | . 8 |
| Handlers, equipment cleaners, helpers, and laborers ......................................... | 3.7 | 3.7 | 5.4 | 5.4 | 1.6 | 1.6 |
| Farming, forestry, and fishing .................................... | 3.0 | 2.9 | 4.4 | 4.3 | 1.3 | 1.2 |
| Black |  |  |  |  |  |  |
| Total, 16 years and over (thousands) . | 13,969100.0 | 14,556100.0 | 6,607100.0 | 6,871100.0 | 7,362100.0 | 7,685100.0 |
| Percent .................................................................................................. |  |  |  |  |  |  |
| Managerial and professional specialty .............................................................. | 19.8 | 20.2 | 16.8 | 17.0 | 22.4 | 23.2 |
| Executive, administrative, and managerial $\qquad$ <br> Professional specialty $\qquad$ | 9.1 | 9.4 | 8.5 | 8.6 | 9.6 | 10.1 |
|  | 10.7 | 10.8 | 8.4 | 8.4 | 12.8 | 13.0 |
| Technical, sales, and administrative support ...................................................... | 28.9 | 29.3 | 18.1 | 18.3 | 38.5 | 39.1 |
| Technicians and related support .......... | 2.9 | 3.0 | 2.6 | 2.5 | 3.2 | 3.5 |
| Sales occupations ....................................................................................... | 9.1 | 9.7 | 6.8 | 7.8 | 11.2 | 11.4 |
| Administrative support, including clerical ............................................................ | 16.8 | 16.5 | 8.7 | 8.0 | 24.1 | 24.2 |
| Service occupations .............................. | 22.1 | 21.6 | 18.1 | 17.8 | 25.7 | 25.0 |
| Private household . | . 9 | . 8 | . 1 | . 1 | 1.7 | 1.5 |
| Protective service | 3.1 | 3.2 | 4.8 | 4.8 | 1.5 | 1.7 |
| Service. except private household and protective .............................................. | 18.1 | 17.6 | 13.2 | 12.9 | 22.5 | 21.9 |
| Precision production, craft, and repair ................................................................ | 8.2 | 8.0 | 14.9 | 14.6 | 2.2 | 2.0 |
| Operators, fabricators, and laborers ................................................................. | 19.9 | 19.7 | 29.9 | 30.1 | 10.9 | 10.4 |
| Machine operators, assemblers, and inspectors ................................................ | 8.4 | 8.2 | 9.6 | 9.7 | 7.4 | 7.0 |
| Transportation and material moving occupations .............................................. | 5.9 | 6.0 | 11.0 | 11.1 | 1.3 | 1.4 |
| Handlers, equipment cleaners, helpers, and laborers .......................................... | 5.6 | 5.5 | 9.4 | 9.3 | 2.2 | 2.0 |
| Farming, forestry, and fishing ................................................................ | 1.1 | 1.2 | 2.1 | 2.2 | . 2 | . 3 |

[^20]HOUSEHOLD DATA ANNUAL AVERAGES
11. Employed persons by detailed occupation, sex, race, and Hispanic origin
(Numbers in thousands)

| Occupation | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Percent of total: |  |  |
|  |  | Women | Black | Hispanıc origir |
| Total, 16 years and over ......................................................................................................................... | 131,463 | 46.2 | 11.1 | 10.1 |
| Managerial and professional specialty | 38,937 | 49.0 | 7.6 | 5.0 |
| Executive, administrative, and managerial | 19,054 | 44.4 | 7.2 | 5.4 |
| Officials and administrators, public administration | 630 | 48.5 | 12.1 | 4.5 |
| Administrators, protective services | 60 | 25.2 | 15.7 | 3.6 |
| Financial managers ...................................................................................................................... | 705 | 53.3 | 6.8 | 4.4 |
| Personnel and labor relations managers ............................................................................................ | 162 | 65.9 | 7.7 | 4.3 |
| Purchasing managers ............. | 136 | 39.4 | 5.0 | 5.5 |
| Managers, marketing, advertising, and public relations | 772 | 38.5 | 3.8 | 3.4 |
| Administrators, education and related fields ............. | 752 | 62.2 | 10.6 | 4.2 |
| Managers, medicine and health | 725 | 79.2 | 6.8 | 5.3 |
| Managers, food serving and lodging establishments | 1,453 | 43.9 | 8.8 | 8.7 |
| Managers, properties and real estate . | 517 | 52.2 | 7.1 | 9.4 |
| Management-related occupations ........................................................................................................... | 4,700 | 57.1 | 9.7 | 5.4 |
| Accountants and auditors ....................................................................................................................... | 1,616 | 58.2 | 9.4 | 4.9 |
| Underwriters | 117 | 71.0 | 13.1 | . 6 |
| Other financial ofticers | 745 | 53.9 | 7.7 | 5.0 |
| Management analysts | 441 | 41.4 | 9.1 | 2.4 |
| Personnel, training, and labor relations specialists | 482 | 68.3 | 14.7 | 5.8 |
| Buyers, wholesale and retail trade, except farm products | 224 | 48.4 | 5.9 | 8.8 |
| Construction inspectors | 70 | 6.6 | 2.8 | 9.1 |
| inspectors and compliance officers, except construction ............ | 237 | 36.0 | 12.8 | 9.7 |
| Professional specialty | 19,883 | 53.3 | 7.9 | 4.6 |
| Engineers, architects, and surveyors ..................................................................................................... | 2,224 | 11.5 | 4.0 | 3.9 |
| Architects | 158 | 17.5 | 2.0 | 5.2 |
| Engineers ....................................................................................................................................... | 2,052 | 11.1 | 4.1 | 3.8 |
| Aerospace engineers | 86 | 8.4 | 3.3 | 2.6 |
| Chemical engineers | 69 | 16.5 | 4.6 | 1.0 |
| Civil engineers | 296 | 12.1 | 2.0 | 4.6 |
| Electrical and electronic engineers | 629 | 9.0 | 5.3 | 3.7 |
| Industrial engineers ............... | 262 | 18.3 | 5.3 | 5.6 |
| Mechanical engineers ................................................................................................................. | 335 | 7.0 | 3.3 | 2.0 |
| Mathematical and computer scientists | 1,747 | 28.9 | 7.2 | 4.2 |
| Computer systems analysts and scientists ........................................................................................ | 1,471 | 26.9 | 7.2 | 3.6 |
| Operations and systems researchers and analysts ................................................................................... | 212 | 41.9 | 8.8 | 8.5 |
| Natural scientists . | 519 | 30.9 | 3.9 | 3.0 |
| Chemists, except biochemists | 133 | 32.9 | 6.1 | 3.1 |
| Geologists and geodesists ................................................................................................................ | 63 | 11.6 | . 3 | 2.0 |
| Biological and life scientists | 104 | 38.8 | 3.3 | 1.5 |
| Medical scientists ......... | 83 | 45.2 | 5.6 | 5.2 |
| Health diagnosing occupations | 1,083 | 26.3 | 4.2 | 4.0 |
| Physicians ................. | 740 | 26.6 | 4.9 | 4.8 |
| Dentists .... | 155 | 19.8 | 2.8 | 2.0 |
| Veterinarians | 58 | 32.5 | 1.9 | 4.9 |
| Health assessment and treating occupations | 2,898 | 85.2 | 8.9 | 3.4 |
| Registered nurses ........................ | 2,032 | 92.5 | 9.3 | 3.2 |
| Pharmacists | 180 | 44.0 | 4.1 | 5.1 |
| Dietitians | 90 | 86.0 | 18.2 | 4.3 |
| Therapists | 528 | 75.4 | 7.3 | 3.8 |
| Respiratory therapists .. | 103 | 60.8 | 11.7 | 2.0 |
| Occupational therapists | 71 | 83.0 | 6.5 | . 7 |
| Physical therapists .... | 134 | 72.9 | 4.2 | 5.4 |
| Speech therapists .......................................................................................................................... | 105 | 92.6 | 1.9 | 6.3 |
| Physicians' assistants ............ | 68 | 52.6 | 10.6 | 2.8 |
| Teachers, college and university | 919 | 42.3 | 5.8 | 3.6 |
| Teachers, except college and university . | 4,962 | 75.3 | 10.0 | 5.4 |
| Prekindergarten and kindergarten ................. | -586 | 97.8 | 14.4 | 8.0 |
| Elementary school .................... | 1,951 | 84.0 | 10.5 | 5.6 |
| Secondary school ... | 1,225 | 56.9 820 | 8.9 110 | 4.2 4.7 |
| Special education .......................................................................................................................................................................................................................... | 381 230 | 82.0 | 11.0 13.2 | 4.7 5.5 |
| Counselors, өducational and vocational ................................................................................................................................................................................ | 236 | 68.8 80.8 | 13.2 5.9 | 5.5 5.4 |
| Librarians ....................................................................................................................................... | 208 | 83.4 | 5.2 | 5.9 |
| Social scientists and urban planners .................................................................................................. | 430 | 54.7 | 6.7 | 5.2 |
| Economists ... | 137 | 46.3 | 3.6 | 6.5 |
| Psychologists ........................................................ | + 232 | 62.1 55.1 | 10.2 | 4.0 |
| Social, recreation, and religious workers ................................................................................................ | 1,329 | 55.1 | 17.5 | 5.9 |

See footnotes at end of table.

## 11. Employed persons by detailed occupation, sex, race, and Hispanic origin - Continued

(Numbers in thousands)

|  |  |
| :--- | :--- |
|  | Occupation |
|  |  |

See footnotes at end of table.

## 11. Employed persons by detailed occupation, sex, race, and Hispanic origin - Continued

(Numbers in thousands)

|  |  |
| :--- | :--- |
|  |  |

See footnotes at end of table.

## 11. Employed persons by detailed accupation, sex, race, and Hispanic origin - Continued

(Numbers in thousands)

| Occupation | 1998 |  |  |
| :---: | :---: | :---: | :---: |
|  | Percent of total: |  |  |
|  | Women | Black | Hispanic origin |
| Cabinet makers and bench carpenters ..................................................................................................... | 5.5 | 3.8 | 13.6 |
| Precision textile, apparel, and fumishings machine workers ......................................................................... | 46.7 | 12.4 | 20.5 |
| Dressmakers | 88.5 | 10.4 | 14.4 |
| Tailors | 33.1 | 15.6 | 18.8 |
| Upholsterers | 21.8 | 10.7 | 24.9 |
| Precision workers, assorted materials | 55.7 | 10.5 | 15.8 |
| Optical goods workers | 55.4 | 7.8 | 5.2 |
| Dental laboratory and medical appliance technicians | 23.0 | 6.8 | 12.6 |
| Electrical and electronic equipment assemblers | 67.8 | 13.5 | 17.7 |
| Precision food production occupations .............. | 34.7 | 11.2 | 25.8 |
| Butchers and meat cutters. | 20.5 | 12.2 | 32.0 |
| Bakers | 44.9 | 12.7 | 17.6 |
| Precision inspectors, testers, and related workers | 23.1 | 10.4 | 7.5 |
| Inspectors, testers, and graders | 23.5 | 10.8 | 7.6 |
| Plant and system operators | 2.6 | 11.3 | 7.0 |
| Water and sewage treatment plant operators | 4.7 | 9.4 | 5.8 |
| Stationary engineers ....................... | 1.1 | 14.6 | 6.8 |
| Operators, fabricators, and laborers | 24.6 | 15.7 | 16.0 |
| Machine operators, assemblers, and inspectors | 37.3 | 15.4 | 17.2 |
| Machine operators and tenders, except precisio | 37.5 | 16.0 | 18.5 |
| Metalworking and plastic working machine operators | 17.4 | 10.3 | 11.7 |
| Lathe and turning machine operators .......... | 17.0 | 5.1 | 11.7 |
| Punching and stamping press machine operators | 31.1 | 10.2 | 9.8 |
| Grinding, abrading, buffing, and polishing machine operators | 10.1 | 8.6 | 17.9 |
| Metal and piastic processing machine operators | 21.5 | 11.4 | 10.7 |
| Molding and casting machine operators | 26.4 | 10.4 | 7.6 |
| Woodworking machine operators | 16.1 | 14.6 | 13.2 |
| Sawing machine operators | 12.6 | 15.8 | 11.3 |
| Printing machine operators. | 26.8 | 9.5 | 12.8 |
| Printing press operators .. | 19.4 | 10.9 | 14.1 |
| Textile, apparel, and furnishings machine operators | 72.1 | 19.4 | 25.1 |
| Winding and twisting machine operators | 71.0 | 30.7 | 3.7 |
| Textile sewing machine operators | 82.1 | 16.4 | 30.2 |
| Pressing machine operators .......... | 81.0 | 27.8 | 35.2 |
| Laundering and dry cleaning machine operators | 52.8 | 19.1 | 21.9 |
| Machine operators, assorted materials .............. | 32.2 | 16.9 | 18.9 |
| Packaging and filling machine operators | 60.3 | 19.9 | 30.8 |
| Mixing and blending machine operators | 9.5 | 23.1 | 19.1 |
| Separating, filtering, and clarifying machine operators ............................................................................. | 10.4 | 20.5 | 10.8 |
| Painting and paint spraying machine operators | 13.6 | 12.5 | 20.4 |
| Furnace, kiln, and oven operators, except food | 3.5 | 9.6 | 12.1 |
| Slicing and cutting machine operators ............. | 24.4 | 11.9 | 24.2 |
| Photographic process machine operators | 59.2 | 12.0 | 10.0 |
| Fabricators, assemblers, and hand working occupations | 33.1 | 14.3 | 14.5 |
| Welders and cutters | 5.1 | 7.6 | 14.0 |
| Assemblers | 43.1 | 17.9 | 15.1 |
| Miscellaneous hand working occupations | 64.1 | 5.1 | 5.5 |
| Production inspectors, testers, samplers, and weighers | 48.0 | 14.8 | 16.3 |
| Production inspectors, checkers, and examiners ........ | 49.5 | 12.9 | 13.6 |
| Production testers ......................................... | 22.0 51.9 | 10.0 | 8.6 25.9 |
| Graders and sorters, except agricultural ............................................................................................ | 51.9 | 21.6 | 25.9 |
| Transportation and material moving occupations ....................................................................................................... | 10.2 | 16.3 | 11.9 |
| Motor vehicle operatorsSupervisors | 11.5 | 16.2 | 12.0 |
|  | 24.4 | 15.9 | 5.2 |
| Truck drivers ............... | 5.3 | 14.9 | 12.0 |
| Drivers-sales workers | 9.4 | 10.8 | 9.7 |
| Bus drivers | 50.4 | 20.3 | 11.2 |
| Taxicab drivers and chauffeurs | 10.5 | 26.5 | 15.0 |
| Parking lot attendants . | 10.8 | 22.2 | 23.8 |
| Transportation occupations, except motor vehicles | 4.1 | 17.3 | 3.8 |
| Rail transportation | 5.1 | 21.3 | 3.0 |
| Railroad conductors and yardmasters | 2.7 | 15.6 | 4.2 |
| Water transportation ...................... | 2.6 | 10.6 | 5.0 |
| Material moving equipment operators | 6.2 | 16.2 7.4 | 12.8 6.8 |
| Operating engineers | 2.2 6.3 | 7.4 19.3 | 6.8 |
| Crane and tower operators | 6.3 | 19.3 4.8 | 4.6 7.9 |
| Excavating and loading machine operators | .4 2.7 | 4.8 10.6 | 7.9 4.2 |
| Grader, dozer, and scraper operators ..... |  |  |  |

See footnotes at end of table
11. Employed persons by detailed occupation, sex, race, and Hispanic origin - Continued
(Numbers in thousands)

| Occupation | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Total } \\ \text { employed } \end{gathered}$ | Percent of total: |  |  |
|  |  | Women | Black | Hispanic origin |
| Industrial truck and tractor equipment operators | 534 | 8.9 | 22.7 | 18.3 |
| Handlers, equipment cleaners, helpers, and laborers | 5,102 | 20.3 | 15.6 | 18.4 |
| Helpers, construction and extractive occupations ...................................................... | 126 | 3.5 | 6.9 | 32.4 |
| Helpers, constuction trades .................................................................................................. | 122 | 3.6 | 6.3 | 33.3 |
| Construction laborers ................................................................................................................ | 821 | 4.5 | 11.8 | 23.5 |
| Production helpers .. | 54 | 25.0 | 12.7 | 29.3 |
| Freight, stock, and material handiers | 1,988 | 23.7 | 17.4 | 14.3 |
| Stock handlers and baggers | 1,183 | 29.7 | 13.1 | 14.4 |
| Machine feeders and offibearers | 77 | 39.2 | 23.3 | 10.7 |
| Garage and service station related occupations. | 180 | 4.1 | 10.8 | 10.7 |
| Vehicle washers and equipment cleaners | 297 | 9.8 | 19.5 | 27.2 |
| Hand packers and packagers ......................... | 290 | 63.6 | 13.1 | 25.6 |
| Laborers, except construction ........................ | 1,298 | 21.8 | 16.6 | 16.6 |
| Farming, forestry, and fishing | 3,502 | 19.1 | 4.9 | 22.6 |
| Farm operators and managers | 1,187 | 23.1 | 1.3 | 2.4 |
| Farmers, except horticultural | 935 | 25.1 | . 7 | 8 |
| Horticultural specialty farmers. | 69 | 7.8 | 8.5 | 7.9 |
| Managers, farms, except horticultural | 170 | 18.9 | 2.2 | 5.1 |
| Other agricultural and related occupations. | 2.171 | 17.7 | 6.8 | 34.8 |
| Farm occupations, except managerial ............................................................................................................... | 903 | 17.9 | 4.2 | 44.3 |
| Farm workers .. | 835 | 17.2 | 4.2 | 44.9 |
| Related agricultural occupations | 1,268 | 17.6 | 8.6 | 28.0 |
| Supervisors. | 142 | 9.6 | 1.6 | 22.9 |
| Groundskeepers and gardeners, except farm | 924 | 7.2 | ${ }^{10.7}$ | 29.2 |
| Animal caretakers, except farm | 130 | 69.4 | 3.1 | 6.6 |
|  | 69 | 74.9 | 5.6 | 64.2 |
|  | 91 | 6.7 30 | 8.1 11.3 | $\begin{array}{r}6.9 \\ \hline 2\end{array}$ |
| Timber cutting and logging occupations ................. | 60 53 | 3.0 | 11.3 | 2.5 |
|  | 53 | 4.6 | 3.6 | 3.9 |

NOTE: Generally, data for occupations with fewer than 50,000 employed are not published separately but are included in the totals for the appropriate categories shown. Beginning in January 1998, data reflect new composite
estimation procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

ANNUAL AVERAGES
12. Employed white, black, and Hispanic-origin workers by sex, occupation, class of worker, and full- or part-time status.
(In thousands)

| Category | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| SEX |  |  |  |  |  |  |  |  |
| Total (all civilian workers) | 129,558 | 131,463 | 109,856 | 110,931 | 13,969 | 14,556 | 12,726 | 13,291 |
| Men ....... | 69,685 | 70,693 | 59,998 | 60,604 | 6,607 | 6,871 | 7.728 | 8,018 |
| Women ................................................................................ | 59,873 | 60,771 | 49,859 | 50,327 | 7,362 | 7,685 | 4,999 | 5,273 |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Managerial and protessional specialty | 37,686 | 38,937 | 33,089 | 34,063 | 2,764 | 2,947 | 1,867 | 1,933 |
| Executive, administrative, and managerial ................................. | 18,440 | 19,054 | 16,420 | 16,903 | 1,267 | 1,368 | 1,001 | 1,028 |
| Professional specialty ........................................................... | 19,245 | 19,883 | 16,669 | 17,160 | 1,497 | 1,579 | 866 | 905 |
| Technical, sales, and administrative support | 38,309 | 38,521 | 32,624 | 32,490 | 4,032 | 4,264 | 3,026 | 3,186 |
| Technicians and related support .............. | 4,214 | 4,261 | 3,571 | 3,557 | 410 | 441 | 256 | 283 |
| Sales occupations .. | 15,734 | 15,850 | 13,730 | 13,704 | 1,271 | 1,415 | 1,198 | 1,245 |
| Administrative support, including clerical ................................... | 18,361 | 18,410 | 15,323 | 15,229 | 2,352 | 2,408 | 1,572 | 1,657 |
| Service occupations | 17,537 | 17,836 | 13,604 | 13,807 | 3,092 | 3,148 | 2,560 | 2,670 |
| Private household ................................................................. | 795 | 847 | 642 | 704 | 129 | 116 | 212 | 262 |
| Protective service | 2,300 | 2,417 | 1,800 | 1,892 | 430 | 463 | 202 | 204 |
| Service, except private household and protective ....................... | 14,442 | 14.572 | 11,162 | 11,211 | 2.533 | 2,569 | 2,146 | 2,204 |
| Precision production, craft, and repair ........................................ | 14,124 | 14.411 | 12,472 | 12,729 | 1,144 | 1,158 | 1,714 | 1,793 |
| Mechanics and repairers | 4,675 | 4,786 | 4,146 | 4,233 | 370 | 379 | 479 | 496 |
| Construction trades ...... | 5,378 | 5,594 | 4,859 | 5,054 | 381 | 398 | 736 | 785 |
| Other precision production, craft, and repair .............................. | 4,071 | 4,031 | 3,467 | 3,441 | 393 | 381 | 499 | 512 |
| Operators, fabricators, and laborers ........................................ | 18,399 | 18,256 | 14,813 | 14,609 | 2,781 | 2,866 | 2,839 | 2,917 |
| Machine operators, assemblers, and inspectors ......................... | 7,962 | 7,791 | 6,322 | 6,146 | 1,178 | 1,200 | 1,426 | 1,340 |
| Transportation and material moving occupations ........................ | 5,389 | 5,363 | 4,435 | 4,351 | 819 | 872 | 592 | 640 |
| Handlers, equipment cleaners, helpers, and laborers .................. | 5,048 | 5,102 | 4,057 | 4,112 | 784 | 795 | 821 | 938 |
| Construction laborers | 811 | 821 | 681 | 705 | 105 | 97 | 166 | 193 |
| Other handlers, equipment cleaners, helpers, and laborers ......... | 4,237 | 4,282 | 3,376 | 3,407 | 679 | 698 | 655 | 745 |
| Farming, forestry, and fishing .................................................... | 3,503 | 3,502 | 3,254 | 3,233 | 156 | 172 | 721 | 792 |
| CLASS OF WORKER |  |  |  |  |  |  |  |  |
| Agriculture: |  |  |  |  |  |  |  |  |
| Wage and salary workers ...................................................... | 1,890 | 2,000 | 1,761 | 1,843 | 81 | 102 | 583 | 670 |
| Self-employed workers .......................................................... | 1,457 | 1,341 | 1,397 | 1,280 | 36 | 36 | 76 | 71 |
| Unpaid family workers .......................................................... | 51 | 38 | 50 | 37 | - | - | 1 | 2 |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |
| Wage and salary workers | 116,983 | 119,019 | 98,395 | 99,657 | 13,380 | 13,917 | 11,458 | 11,949 |
| Government . | 18,131 | 18,383 | 14,514 | 14,686 | 2,860 | 2,877 | 1,331 | 1,355 |
| Private industries .................................................................. | 98,852 | 100,637 | 83,880 | 84,970 | 10,520 | 11,040 | 10,127 | 10,594 |
| Private households ............................................................. | 915 | 962 | 724 | 785 | 161 | 146 | 234 | 281 |
| Other industries .................................................................. | 97,937 | 99,674 | 83,156 | 84,185 | 10,359 | 10,894 | 9,893 | 10,312 |
| Self-employed workers ............................................................ | 9,056 | 8,962 | 8,153 | 8,030 | 471 | 497 | 598 | 590 |
| Unpaid family workers ............................................................ | 120 | 103 | 101 | 84 | 1 | 4 | 11 | 10 |
| FULL- OR PART-TIME STATUS |  |  |  |  |  |  |  |  |
| Full-time workers .................................................................... | 106,334 | 108,202 | 89,605 | 90,759 | 11,920 | 12,429 | 10,741 | 11,303 |
| Part-time workers ................................................................... | 23,224 | 23,261 | 20,252 | 20,172 | 2,049 | 2,126 | 1,985 | 1,988 |

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 biack population groups.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
13. Employed Mexican, Puerto Rican, and Cuban-origin workers by sex, occupation, class of worker, and full- or part-time status
(Numbers in thousands)

| Category | Total Hispanic ongin ${ }^{1}$ |  | Mexican origin |  | Puerto Rican origin |  | Cuban origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| SEX |  |  |  |  |  |  |  |  |
| Total (all civilian workers) | 12,726 | 13,291 | 7,884 | 8,431 | 1,166 | 1,145 | 603 | 612 |
| Men ............................ | 7,728 | 8,018 | 4,941 | 5,291 | 654 | 615 | 364 | 371 |
| Women | 4,999 | 5,273 | 2,943 | 3,140 | 512 | 529 | 239 | 241 |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Managerial and professional specialty ........................................ | 1,867 | 1,933 | 946 | 985 | 206 | 208 | 171 | 159 |
| Executive, administrative, and managerial ................................ | 1,001 | 1,028 | 508 | 536 | 103 | 103 | 102 | 89 |
| Professional specialty ........................................................... | 866 | 905 | 438 | 449 | 103 | 105 | 69 | 70 |
| Technical, sales, and administrative support ............................... | 3,026 | 3,186 | 1,728 | 1,845 | 347 | 365 | 197 | 210 |
| Technicians and related support ............................................. | 256 | 283 | 140 | 156 | 30 | 30 | 18 | 28 |
| Sales occupations ................................................................ | 1,198 | 1,245 | 680 | 729 | 112 | 118 | 88 | 94 |
| Administrative support, including clerical ................................... | 1,572 | 1.657 | 908 | 961 | 204 | 217 | 91 | 88 |
| Service occupations .............................................................. | 2,560 | 2,670 | 1,524 | 1,653 | 231 | 217 | 75 | 85 |
| Private household | 212 | 262 | 99 | 130 | 5 | 6 | 5 | 3 |
| Protective service ................................................................. | 202 | 204 | 106 | 106 | 47 | 39 | 9 | 13 |
| Service, except private household and protective ........................ | 2,146 | 2,204 | 1,319 | 1,417 | 179 | 172 | 62 | 69 |
| Precision production, craft, and repair ........................................ | 1,714 | 1,793 | 1,185 | 1,199 | 127 | 119 | 55 | 66 |
| Mechanics and repairers ....................................................... | 479 | 496 | 303 | 311 | 50 | 38 | 30 | 28 |
| Construction trades .............................................................. | 736 | 785 | 542 | 554 | 42 | 33 | 16 | 23 |
| Other precision production, craft, and repair .............................. | 499 | 512 | 340 | 334 | 36 | 48 | 10 | 15 |
| Operators, fabricators, and laborers | 2,839 | 2,917 | 1,887 | 2.047 | 243 | 223 | 96 | 85 |
| Machine operators, assemblers, and inspectors ......................... | 1,426 | 1,340 | 957 | 955 | 119 | 105 | 33 | 24 |
| Transportation and material moving occupations ........................ | 592 | 640 | 370 | 422 | 64 | 53 | 36 | 38 |
| Handlers, equipment cleaners, helpers, and laborers .................. | 821 | 938 | 561 | 671 | 61 | 64 | 28 | 24 |
| Construction laborers .......................................................... | 166 | 193 | 121 | 149 | 6 | 9 | 4 | 3 |
| Other handlers, equipment cleaners, helpers, and laborers ......... | 655 | 745 | 439 | 521 | 55 | 55 | 23 | 21 |
| Farming, forestry, and fishing | 721 | 792 | 614 | 703 | 12 | 13 | 8 | 7 |
| CLASS OF WORKER |  |  |  |  |  |  |  |  |
| Agriculture: |  |  |  |  |  |  |  |  |
| Wage and salary workers ....................................................... | 583 | 670 | 519 | 605 | 6 | 9 | 2 | 5 |
| Self-employed workers .......................................................... | 76 | 71 | 52 | 56 | - | 1 | 2 | 2 |
| Unpaid family workers ........................................................... | 1 | 2 | 1 | 1 | - | - | - | - |
| Nonagricultural industries: |  |  |  |  |  |  |  |  |
| Wage and salary workers ...................................................... | 11,458 | 11,949 | 6,949 | 7.410 | 1,121 | 1.100 | 558 | 574 |
| Government ....................................................................... | 1,331 | 1,355 | 821 | 833 | 188 | 180 | 58 | 60 |
| Private industries ............................................................... | 10,127 | 10,594 | 6,128 | 6,577 | 933 | 920 | 500 | 515 |
| Private households ............................................................ | 234 | 281 | 109 | 139 | 6 | 7 | 5 | 3 |
| Other industries | 9,893 | 10,312 | 6,019 | 6,438 | 927 | 913 | 495 | 511 |
| Self-employed workers .......................................................... | 598 | 590 | 356 | 351 | 36 | 34 | 41 | 31 |
| Unpaid family workers ............................................................ | 11 | 10 | 8 | 8 | - | - | - | - |
| FULL- OR PART-TIME STATUS |  |  |  |  |  |  |  |  |
| Full-time workers ................................................................... | 10,741 | 11,303 | 6,672 | 7.166 | 958 | 969 | 517 | 531 |
| Part-time workers ................................................................ | 1,985 | 1,988 | 1,212 | 1,265 | 208 | 176 | 86 | 81 |

1 Includes persons of Central or South American origin and of other Hispanic origin, not shown separately.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
14. Employed persons in nonagricultural industries by age, sex, and race
(In thousands)

| Age, sex, and race | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Mining | Construction | Manufacturing |  |  | Transportation and public utilities | Wholesale and retail trade | Finance, insurance, and real estate | Services ${ }^{1}$ | Public administration |
|  |  |  | Total | Durable goods | Nondurable goods |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over ................... | 620 | 8,518 | 20,733 | 12,566 | 8,168 | 9,307 | 27,203 | 8,605 | 47,212 | 5.887 |
| 16 to 19 years ................................... | 13 | 279 | 431 | 243 | 188 | 150 | 3,806 | 177 | 1,887 | 47 |
| 20 years and over.. | 607 | 8,239 | 20,302 | 12,322 | 7,980 | 9,157 | 23,397 | 8,428 | 45,325 | 5,839 |
| 20 to 24 years ...... | 35 | 825 | 1,614 | 972 | 642 | 654 | 3,909 | 708 | 4.228 | 245 |
| 25 years and over ............................. | 572 | 7,414 | 18,688 | 11,350 | 7,338 | 8,503 | 19,488 | 7,720 | 41,097 | 5,595 |
| 25 to 54 years ................................... | 499 | 6,533 | 16,242 | 9,866 | 6,376 | 7,409 | 16,478 | 6,518 | 34,645 | 4,829 |
| 55 years and over .............................. | 73 | 881 | 2,446 | 1,484 | 962 | 1,093 | 3,010 | 1,202 | 6,452 | 766 |
| Men, 16 years and over .................... | 535 | 7.721 | 14,138 | 9,140 | 4,998 | 6,598 | 14,367 | 3,552 | 17,906 | 3,323 |
| 16 to 19 years .................................... | 9 | 263 | 298 | 180 | 118 | 98 | 1,847 | 55 | 764 | 21 |
| 20 years and over | 526 | 7,458 | 13,840 | 8,960 | 4,880 | 6,500 | 12,520 | 3,498 | 17,142 | 3,302 |
| 20 to 24 years ..... | 31 | 769 | 1,103 | 710 | 393 | 437 | 2,011 | 234 | 1,654 | 123 |
| 25 years and over .............................. | 495 | 6,689 | 12,737 | 8,250 | 4,487 | 6,063 | 10,509 | 3,264 | 15,488 | 3,179 |
| 25 to 54 years .................................. | 433 | 5,906 | 11,054 | 7,157 | 3,897 | 5,229 | 8,928 | 2,627 | 12,774 | 2,753 |
| 55 years and over ............................. | 62 | 783 | 1,683 | 1,093 | 590 | 834 | 1,581 | 636 | 2,714 | 425 |
| Women, 16 years and over ............... | 85 | 798 | 6,595 | 3,426 | 3,169 | 2,709 | 12,836 | 5,053 | 29,306 | 2,564 |
| 16 to 19 years .................................... | 4 | 16 | 134 | 64 | 70 | 52 | 1,958 | 122 | 1,123 | 27 |
| 20 years and over.. | 81 | 782 | 6,462 | 3,362 | 3,099 | 2,658 | 10,878 | 4,930 | 28,183 | 2,537 |
| 20 to 24 years .................................. | 4 | 56 | 510 | 262 | 249 | 218 | 1,898 | 474 | 2,574 | 122 |
| 25 years and over ............................. | 77 | 725 | 5,951 | 3,101 | 2,851 | 2,440 | 8,980 | 4,456 | 25,609 | 2,416 |
| 25 to 54 years .................................. | 66 | 627 | 5,188 | 2,709 | 2,479 | 2,180 | 7,551 | 3,890 | 21,871 | 2,075 |
| 55 years and over ............................. | 11 | 99 | 763 | 391 | 372 | 260 | 1,429 | 566 | 3,738 | 340 |
| White |  |  |  |  |  |  |  |  |  |  |
| Men, 16 years and over .................... | 501 | 7,028 | 12,136 | 7,941 | 4,195 | 5,389 | 12,276 | 3,105 | 15,023 | 2,768 |
| 16 to 19 years | 9 | 249 | 263 | 160 | 103 | 75 | 1,594 | 45 | 659 | 16 |
| 20 years and over .............................. | 493 | 6,779 | 11,874 | 7,781 | 4,093 | 5,314 | 10,682 | 3,060 | 14,365 | 2,752 |
| 20 to 24 years .................................. | 28 | 711 | 925 | 597 | 328 | 363 | 1,731 | 193 | 1,343 | 105 |
| 25 years and over .............................. | 465 | 6,068 | 10,949 | 7,184 | 3,765 | 4,951 | 8,951 | 2,867 | 13,022 | 2.647 |
| 25 to 54 years .................................. | 404 | 5,356 | 9,468 | 6,215 | 3,252 | 4,234 | 7,541 | 2,274 | 10,638 | 2,276 |
| 55 years and over ............................. | 61 | 712 | 1,481 | 969 | 513 | 716 | 1,410 | 593 | 2,384 | 371 |
| Women, 16 years and over .............. | 78 | 734 | 5,360 | 2,847 | 2,513 | 2,127 | 10,912 | 4,241 | 24,177 | 1,915 |
| 16 to 19 years | 3 | 16 | 120 | 58 | 63 | 41 | 1,668 | 98 | 963 | 21 |
| 20 years and over ............................... | 75 | 718 | 5,239 | 2,790 | 2,450 | 2,086 | 9,244 | 4,143 | 23,214 | 1,894 |
| 20 to 24 years ................................... | 4 | 53 | 415 | 218 | 196 | 173 | 1,572 | 371 | 2,112 | 95 |
| 25 years and over..... | 71 | 665 | 4,824 | 2,571 | 2,253 | 1,913 | 7,672 | 3,772 | 21,102 | 1,799 |
| 25 to 54 years .................................. | 60 | 575 | 4,168 | 2,226 | 1,943 | 1,685 | 6,365 | 3.249 | 17.953 | 1,511 |
| 55 years and over ............................. | 11 | 90 | 656 | 345 | 311 | 228 | 1,307 | 523 | 3,148 | 289 |
| Black |  |  |  |  |  |  |  |  |  |  |
| Men, 16 years and over .................... | 24 | 498 | 1,374 | 779 | 595 | 949 | 1,326 | 294 | 1,854 | 434 |
| 16 to 19 years ................................... | - | 11 | 28 | 15 | 13 | 18 | 194 | 6 | 74 | 4 |
| 20 years and over ............................... | 24 | 487 | 1,346 | 764 | 582 | 930 | 1,132 | 289 | 1,780 | 430 |
| 20 to 24 years ................................... | 3 | 40 | 132 | 82 | 50 | 61 | 200 | 26 | 197 | 15 |
| 25 years and over .............................. | 20 | 448 | 1,214 | 681 | 532 | 869 | 931 | 263 | 1,583 | 415 |
| 25 to 54 years .................................. | 20 | 392 | 1,086 | 600 | 486 | 780 | 839 | 236 | 1,362 | 377 |
| 55 years and over ............................. | 1 | 55 | 128 | 82 | 46 | 89 | 93 | 27 | 221 | 38 |
| Women, 16 years and over ... | 4 | 48 | 811 | 360 | 451 | 457 | 1,290 | 605 | 3,914 | 536 |
| 16 to 19 years .................................... | - | 1 | 11 | 4 | 6 | 10 | 225 | 15 | 128 | 5 |
| 20 years and over ..... | 4 | 48 | 801 | 356 | 444 | 447 | 1,065 | 590 | 3,786 | 531 |
| 20 to 24 years ................................... |  | 1 | 72 | 29 | 42 | 35 | 254 | 79 | 344 | 21 |
| 25 years and over ............................. | 4 | 46 | 729 | 327 | 402 | 412 | 810 | 511 | 3,441 | 510 |
| 25 to 54 years ................................. | 4 | 39 | 658 | 293 | 365 | 387 | 743 | 484 | 2,968 | 470 |
| 55 years and over .............................. | - | 7 | 71 | 34 | 37 | 25 | 68 | 28 | 473 | 41 |

1 Includes private housholds.
NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.

## 15. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker

(In thousands)

| Age and sex | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agriculture |  |  | Nonagricultural industries |  |  |  |  |  |  |
|  | Wage and salary workers | Selfemployed workers | Unpaid family workers | Wage and salary workers |  |  |  |  | Selfemployed workers | Unpaid family workers |
|  |  |  |  | Total | Private industries |  |  | Government |  |  |
|  |  |  |  |  | Total | Private household workers | Other private industries |  |  |  |
| Total, 16 years and over ................. | 2,000 | 1,341 | 38 | 119,019 | 100,637 | 962 | 99,674 | 18,383 | 8,962 | 103 |
| 16 to 19 years ............................... | 219 | 30 | 13 | 6,726 | 6,400 | 116 | 6,285 | 325 | 57 | 8 |
| 16 to 17 years ............................. | 104 | 21 | 5 | 2,602 | 2,500 | 70 | 2,431 | 102 | 25 | 4 |
| 18 to 19 years ............................. | 114 | 8 | 8 | 4.124 | 3,900 | 46 | 3,854 | 223 | 32 | 3 |
| 20 to 24 years ............................... | 300 | 34 | 6 | 11,968 | 10,962 | 91 | 10,872 | 1,005 | 242 | 8 |
| 25 to 34 years ............................... | 531 | 179 | 8 | 29,146 | 25,458 | 166 | 25,292 | 3,688 | 1,513 | 18 |
| 35 to 44 years ............................... | 473 | 314 | 5 | 32,750 | 27,470 | 221 | 27,249 | 5,280 | 2,710 | 26 |
| 45 to 54 years ............................... | 275 | 319 | 2 | 24,565 | 19,095 | 190 | 18,905 | 5,470 | 2,403 | 23 |
| 55 to 64 years ............................... | 149 | 245 | 2 | 11,066 | 8,878 | 104 | 8,774 | 2,187 | 1,399 | 12 |
| 65 years and over .......................... | 53 | 221 | 3 | 2,800 | 2,373 | 74 | 2,298 | 427 | 639 | 9 |
| Men, 16 years and over ................. | 1,526 | 1,005 | 23 | 62,630 | 54,452 | 86 | 54,366 | 8,178 | 5,480 | 29 |
| 16 to 19 years ............................... | 170 | 24 | 10 | 3,319 | 3,176 | 18 | 3,158 | 143 | 30 | 5 |
| 16 to 17 years ............................. | 82 | 18 | 4 | 1,278 | 1,227 | 10 | 1,217 | 51 | 13 | 3 |
| 18 to 19 years ............................. | 88 | 6 | 7 | 2,041 | 1,949 | 8 | 1,941 | 92 | 17 | 3 |
| 20 to 24 years ............................... | 246 | 25 | 4 | 6,224 | 5,789 | 8 | 5,781 | 435 | 134 | 4 |
| 25 to 34 years ............................... | 409 | 135 | 5 | 15,673 | 13,987 | 15 | 13,971 | 1,686 | 872 | 3 |
| 35 to 44 years ............................... | 356 | 242 | 1 | 17,416 | 15,131 | 16 | 15,115 | 2,285 | 1,612 | 6 |
| 45 to 54 years ............................... | 190 | 230 | - | 12,616 | 10,222 | 12 | 10,210 | 2,394 | 1,504 | 4 |
| 55 to 64 years ............................... | 110 | 172 | 1 | 5,868 | 4,838 | 7 | 4,831 | 1,030 | 898 | 3 |
| 65 years and over .......................... | 44 | 176 | 1 | 1,514 | 1,309 | 9 | 1,300 | 205 | 432 | 3 |
| Women, 16 years and over ............ | 474 | 336 | 15 | 56.389 | 46,185 | 876 | 45,308 | 10,205 | 3,482 | 74 |
| 16 to 19 years ............................... | 49 | 6 | 3 | 3,406 | 3,224 | 97 | 3,127 | 182 | 26 | 2 |
| 16 to 17 years ............................. | 22 | 4 | 2 | 1,324 | 1,273 | 59 | 1,214 | 51 | 12 | 2 |
| 18 to 19 years ............................. | 27 | 2 | - | 2,083 | 1,951 | 38 | 1,913 | 131 | 15 | 1 |
| 20 to 24 years ............................... | 54 | 9 | 2 | 5,743 | 5,173 | 82 | 5,091 | 570 | 108 | 4 |
| 25 to 34 years ............................... | 123 | 44 | 3 | 13,473 | 11,471 | 151 | 11,320 | 2,002 | 641 | 14 |
| 35 to 44 years ............................... | 116 | 71 | 3 | 15,334 | 12,339 | 205 | 12,134 | 2,995 | 1,098 | 20 |
| 45 to 54 years ............................... | 85 | 89 | 2 | 11,949 | 8,873 | 178 | 8,695 | 3,076 | 899 | 19 |
| 55 to 64 years ............................... | 38 | 73 | 1 | 5,198 | 4,040 | 97 | 3,944 | 1,158 | 501 | 9 |
| 65 years and over .......................... | 9 | 44 | 2 | 1,286 | 1,064 | 66 | 998 | 222 | 208 | 5 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 16. Employed persons in nonagricultural industries by sex and class of worker

(In thousands)

| Industry and sex | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Wage and salary workers |  |  | Selfemployed workers | Unpaid family workers |
|  |  | Total | Private industries | Govemment |  |  |
| TOTAL |  |  |  |  |  |  |
| Mining ........................................................................................... | 620 | 599 | 597 | 2 | 21 | - |
| Construction ................................................................................. | 8.518 | 6,986 | 6,512 | 474 | 1.519 | 14 |
| Manufacturing | 20,733 | 20,300 | 20,232 | 68 | 428 | 6 |
| Durable goods | 12,566 | 12,309 | 12,254 | 55 | 253 | 4 |
| Nondurable goods ........................................................................ | 8.168 | 7,991 | 7,978 | 13 | 175 | 2 |
| Transportation and public utilities ......................................................... | 9,307 | 8,872 | 7,278 | 1,594 | 430 | 5 |
| Wholesale and retail trade .................................................................. | 27.203 | 25,526 | 25.411 | 116 | 1,640 | 36 |
| Wholesale trade | 5,090 | 4,789 | 4.776 | 13 | 298 | 3 |
| Retail trade | 22.113 | 20,737 | 20,634 | 103 | 1.342 | 34 |
| Finance, insurance, and real estate | 8,605 | 7,990 | 7,784 | 206 | 609 | 6 |
| Services | 47.212 | 42,859 | 32,823 | 10.036 | 4,317 | 36 |
| Private households | 967 | 962 | 962 | , | 5 |  |
| Other service industries ................................................................. | 46,244 | 41,897 | 31,861 | 10,036 | 4,311 | 36 |
| Business, automobile, and repair | 8,708 | 7,356 | 7,289 | 67 | 1,340 | 12 |
| Personal, except private households | 3,484 | 2,807 | 2,800 | 7 | 671 | 5 |
| Entertainment and recreation .......................................................... | 2.530 | 2,252 | 1,957 | 295 | 277 | 1 |
| Professional ................................................................................. | 31,392 | 29,389 | 19,767 | 9,622 | 1,985 | 19 |
| Hospitals ................ | 5,116 | 5,108 | 4,374 | 734 | 8 |  |
| Health services, except hospitals | 6,388 | 5,991 | 5,569 | 422 | 389 | 8 |
| Educationai .............................................................................. | 10,468 | 10,358 | 2.585 | 7,773 | 109 | 1 |
| Social services | 3,240 | 2,676 | 2,119 | 557 | 560 | 4 |
| Other ......................................................................................... | 6,181 | 5,256 | 5,120 | 137 | 919 | 5 |
| Forestry and fisheries ........................................................................ | 131 5887 | 5.92 | 48 | 45 | 38 | - |
| Public administration ...................................................................... | 5,887 | 5,887 | - | 5,887 | - | - |
| Men |  |  |  |  |  |  |
| Mining ....................................................................................... | 535 | 518 | 518 | 1 | 16 | - |
| Construction ................................................................................. | 7,721 | 6,299 | 5,884 | 415 | 1,421 | 1 |
| Manufacturing . | 14,138 | 13,850 | 13,801 | 49 | 285 | 3 |
| Durable goods | 9,140 | 8,941 | 8,899 | 42 | 196 | 2 |
| Nondurable goods | 4,998 | 4,909 | 4.902 | 7 | 89 | 1 |
| Transportation and public utilities | 6,598 | 6,241 | 5,150 | 1,090 | 356 | 1 |
| Wholesale and retail trade ............................................................. | 14,367 | 13,460 | 13,412 | 47 | 893 | 14 |
| Wholesale trade.. | 3,564 | 3,344 | 3,335 | 9 | 220 | - |
| Retail trade .................................................................................... | 10,803 | 10,116 | 10,078 | 38 | 673 | 14 |
| Finance, insurance, and real estate | 3,552 | 3,171 | 3,065 | 106 | 382 |  |
| Services ...................................................................................... | 17,906 | 15,769 | 12,622 | 3,147 | 2,127 | 9 |
| Private households | 90 | 86 | 86 | - | 4 | - |
| Other service industries | 17,816 | 15,683 | 12,536 | 3.147 | 2,123 | 9 |
| Business, automobile, and repair ........................................................................................... | 5,520 | 4,628 | 4,589 | 39 | 890 | 3 |
| Personal, except private households ................................................ | 1.232 | 1,023 | 1,020 | 3 | 208 | 1 |
| Entertainment and recreation ...................... | 1,391 | 1,230 | 1,050 | 180 | 160 | 1 |
| Professional | 9,568 | 8,733 | 5,838 | 2,895 | 830 | 5 |
| Hospitals ....................... | 1,213 | 1,210 | 971 | 239 | 2 | - |
| Health services, except hospitals | 1,344 | 1,123 | 1,034 | 89 | 220 | 2 |
| Educational .............................. | 3.271 | 3,238 | 896 | 2,342 | 32 | 1 |
| Social services | 589 | 563 | 422 | 141 | 24 | 2 |
| Other ....... | 3,151 | 2,599 | 2,515 | 84 | 552 | - |
| Forestry and fisheries ................................. | 104 | . 70 | 39 | 31 3.323 | 35 | - |
| Public administration ................................... | 3,323 | 3,323 | - | 3,323 | - | - |
| Women |  |  |  |  |  |  |
| Mining | 85 | 80 | 79 | 1 | 4 | - |
| Construction ..................................................................................... | 798 | 687 | 628 | 59 | 98 | 13 |
| Manufacturing .......... | 6,595 | 6,450 | 6,431 | 19 | 143 | 2 |
| Durable goods ...... | 3,426 | 3,368 | 3,355 | 14 | 56 | 1 |
| Nondurable goods ............................ | 3,169 | 3,082 | 3,076 | 6 | 86 | 1 |
| Transportation and public utilities ........................................................ | 2.709 | 2.632 | 2.128 | 504 | 74 | 4 |
| Wholesale and retail trade ........... | 12,836 | 12,066 | 11,998 | 68 | 748 | 22 |
| Wholesale trade | 1,526 | 1.445 | 1.442 | 3 | 78 | 3 |
| Retail trade ................. | 11,310 | 10,621 | 10,556 | 65 | 669 | 19 |
| Finance, insurance, and real estate .................................................... | 5,053 | 4,820 | 4,719 | 100 | 227 | 6 |
| Services ........................................... | 29,306 | 27.090 | 20,201 | 6,889 | 2,189 | 27 |
| Private households | 877 | 876 | 876 | - | 1 |  |
| Other service industries ................................................................. | 28,428 | 26,213 | 19,325 | 6,889 | 2,188 | 27 |
| Business, automobile, and repair .... | 3,188 | 2.729 | 2,700 | 29 | 450 | 9 |
| Personal, except private households | 2,252 | 1,785 | 1,781 | 4 115 | 463 | 4 |
| Entertainment and recreation ........................................................ | 1.138 | 1,021 | 906 | 115 | 117 |  |
| Protessional ................................................................................. | 21,824 | 20,656 | 13,929 | 6,727 | 1.154 | 14 |
| Hospitals ................................................................................... | 3,903 | 3,897 | 3,403 | 495 | 5 |  |
| Health services, except hospitals ................................................... | 5,044 | 4,868 | 4,535 | 333 | 169 | 6 |
| Educational ................................................................................ | 7.196 | 7,120 | 1,689 | 5,431 | 76 |  |
| Social services ............................................................................ | 2,651 | 2,113 | 1,697 | 416 | 536 | 2 |
| Other ............................................................................................ | 3,029 | 2,657 | 2.605 | 52 | 367 | 5 |
| Forestry and fisheries .......................................................................................... | 27 2.564 | 23 2.564 | 9 | 14 2.564 | 4 | - |
| Public administration .......................................................................... | 2,564 | 2,564 | - | 2.564 | - | - |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 17. Employed persons by industry, sex, race, and occupation

(In thousands)

| Industry and sex | 1998 |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Managerial and professional specialty |  | Technical, sales, and administrative support |  |  | Service |  | 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 service ${ }^{1}$ |  | Machine operators, assem. blers, and inspectors | Transportation and material moving | Handlers, equipment cleaners, helpers, and laborers |  |
| TOTAL |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 and retail trade ...... | 27,203 | 2,538 | 590 | 231 | 11360 | 2,194 | - | 5,182 | 1,522 | 367 | 1,068 | 2,049 | 101 |
| 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 $\qquad$ | 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 |
| Private households .............. | 967 | 6 | 6 | 1 | 1 | 9 | 847 | 56 | 3 | 1 | 4 | 7 | 26 |
| Other service industries ....... | 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 |
| Men |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agriculture ........................... | 2,553 | 62 | 71 | 10 | 15 | 7 | - | 12 | 38 | 17 | 40 | 16 | 2,266 |
| Mining ................................ | 535 | 76 | 59 | 16 | 6 | 14 | - | 6 | 205 | 30 | 103 | 18 | 1 |
| Construction ........................ | 7,721 | 1,131 | 124 | 39 | 47 | 46 | - | 19 | 4,809 | 91 | 522 | 871 | 21 |
| Manufacturing ...................... | 14,138 | 2,024 | 1,520 | 483 | 501 | 676 | - | 213 | 3,319 | 3,897 | 702 | 731 | 72 |
| Durable goods ................... | 9,140 | 1,257 | 1,117 | 348 | 232 | 396 | - | 111 | 2,348 | 2,493 | 380 | 389 | 68 |
| Nondurable goods .............. | 4,998 | 767 | 403 | 135 | 269 | 280 | - | 102 | 970 | 1,405 | 322 | 342 | 3 |
| Transportation and public utilities $\qquad$ | 6,598 | 843 | 405 | 270 | 147 | 969 | - | 137 | 1,214 | 110 | 2,037 | 454 | 12 |
| Wholesale and retail trade ...... | 14,367 | 1,459 | 276 | 94 | 5,452 | 522 | - | 2,460 | 1,323 | 215 | 990 | 1,529 | 47 |
| Wholesale trade .................. | 3,564 | 402 | 86 | 35 | 1,546 | 212 | - | 43 | 327 | 100 | 474 | 309 | 29 |
| Retail trade ........................ | 10,803 | 1,057 | 190 | 58 | 3,906 | 309 | - | 2,417 | 996 | 115 | 517 | 1,220 | 18 |
| Finance, insurance, and real estate $\qquad$ | 3,552 | 1,146 | 191 | 69 | 1,188 | 489 | - | 226 | 167 | 6 | 12 | 14 | 46 |
| Services ............................... | 17,906 | 3,167 | 6,085 | 856 | 507 | 948 | 46 | 2.700 | 1,963 | 495 | 377 | 411 | 351 |
| Private households ............. | 90 | 3 | - | - | - | 1 | 46 | 3 | 3 | - | 3 | 7 | 24 |
| Other service industries ........ | 17,816 | 3,164 | 6,084 | 856 | 507 | 947 | - | 2.697 | 1,960 | 495 | 375 | 404 | 327 |
| Professional services .......... | 9,568 | 1,637 | 4,894 | 549 | 65 | 499 | - | 1,155 | 411 | 87 | 139 | 64 | 69 |
| Public administration ..... | 3,323 | 677 | 551 | 139 | 12 | 271 | - | 1,402 | 170 | 20 | 36 | 25 | 20 |
| Women |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agriculture ........................... | 825 | 47 | 34 | 41 | 8 | 129 | - | 9 | - | 3 | 2 | 3 | 548 |
| Mining ................................ | 85 | 25 | 4 | 4 | 5 | 40 | - | 2 | 2 | - | 3 |  | - |
| Construction ........................ | 798 | 249 | 19 | 8 | 8 | 369 | - | 9 | 80 | 2 | 13 | 39 | 1 |
| Manufacturing ...................... | 6,595 | 984 | 486 | 163 | 263 | 1,307 | - | 78 | 638 | 2,321 | 63 | 288 | 4 |
| Durable goods .................... | 3,426 | 539 | 233 | 82 | 86 | 731 | - | 39 | 458 | 1,101 | 35 | 120 | 3 |
| Nondurable goods ............... | 3,169 | 445 | 253 | 81 | 177 | 576 | - | 39 | 180 | 1,220 | 28 | 168 | 2 |
| Transportation and public utilities | 2,709 | 464 | 156 | 54 | 126 | 1,379 | - | 159 | 71 | 25 | 206 | 68 | , |
| Wholesale and retail trade ...... | 12,836 | 1,079 | 314 | 137 | 5,908 | 1,672 | - | 2,722 | 199 | 151 | 78 | 520 | 55 |
| Wholesale trade .................. | 1,526 | 220 | 45 | 8 | 508 | 544 | - | 14 | 18 | 37 | 19 | 71 | 43 |
| Retail trade ........................ | 11,310 | 859 | 269 | 130 | 5,400 | 1,129 | - | 2,708 | 181 | 114 | 59 | 450 | 12 |
| Finance, insurance, and real estate $\qquad$ | 5,053 | 1,344 | 165 | 97 | 955 | 2,371 | - | 97 | 10 | 6 | 1 | 3 | 3 |
| Services ............................... | 29,306 | 3,626 | 9,006 | 1,685 | 689 | 6,170 | 801 | 6,417 | 191 | 393 | 174 | 105 | 48 |
| Private households ............. | 877 | 3 | 6 | 1 | 1 | 8 | 801 | 54 | - | - | 1 | 1 | 1 |
| Other service industries ....... | 28,428 | 3,623 | 9,000 | 1,683 | 688 | 6,162 | - | 6,364 | 191 | 392 | 173 | 105 | 47 |
| Professional services .......... | 21,824 | 2,527 | 8,228 | 1,583 | 148 | 4,632 | - | 4,330 | 62 | 108 | 155 | 34 | 16 |
| Public administration ............. | 2,564 | 652 | 417 | 96 | 13 | 1,032 | - | 320 | 12 | 7 | 4 | 6 | 7 |

See footnotes at end of table.

## HOUSEHOLD DATA

 ANNUAL AVERAGES17. Employed persons by industry, sex, race, and occupation - Continued
(In thousands)


1 Includes protective service, not shown separately
NOTE: Beginning in January 1998, data reflect new composite estimation

## 18. Employed persons by detailed industry, sex, race, and Hispanic origin

(Numbers in thousands)

| Industry | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Percent of total: |  |  |
|  |  | Women | Black | Hispanic origin |
| Total, 16 years and over ........................................................................................................ | 131,463 | 46.2 | 11.1 | 10.1 |
| Agriculture | 3,378 | 24.4 | 4.1 | 22.0 |
| Agricultural production, crops | 1,014 | 22.9 | 3.2 | 33.2 |
| Agricultural production, livestock | 1,094 | 23.8 | 1.7 | 9.3 |
| Veterinary services | 206 | 70.7 | 2.5 | 4.0 |
| Landscape and horticultural services ......................................................................................... | 881 | 11.4 | 8.6 | 28.5 |
| Mining | 620 | 13.7 | 4.6 | 9.0 |
| Coal mining | 83 | 3.3 | 3.4 | . 1 |
| Oil and gas extraction | 373 | 17.7 | 5.3 | 10.5 |
| Nonmetallic mining and quarrying, except fuel .............................................................................. | 115 | 8.7 | 4.9 | 9.2 |
| Construction .................................................................................................................................... | 8,518 | 9.4 | 6.4 | 12.7 |
| Manufacturing | 20,733 | 31.8 | 10.5 | 11.2 |
| Durable goods | 12,566 | 27.3 | 9.1 | 9.6 |
| Lumber and wood products, except furniture | 863 | 18.3 | 12.4 | 8.9 |
| Logging ................................................. | 133 | 8.5 | 12.5 | 1.4 |
| Sawmills, planing mills, and millwork | 442 | 18.4 | 11.0 | 6.7 |
| Wood buildings and mobile homes | 102 | 18.4 | 15.3 | 14.9 |
| Miscellaneous wood products | 186 | 25.2 | 14.3 | 16.1 |
| Furniture and fixtures | 675 | 30.6 | 8.8 | 13.9 |
| Stone, clay, glass, and concrete products | 592 | 21.8 | 10.0 | 10.3 |
| Glass and giass products | 193 | 25.6 | 6.4 | 8.1 |
| Cement, concrete, gypsum, and plaster products | 215 | 13.5 | 13.6 | 7.7 |
| Structural clay, pottery, and related products ......... | 84 | 32.5 | 11.9 | 15.0 |
| Miscellaneous nonmetallic mineral and stone products | 100 | 23.6 | 7.7 | 15.9 |
| Metal industries .............................. | 2,134 | 22.0 | 9.2 | 11.1 |
| Primary metal industries | 741 | 15.4 | 11.3 | 8.9 |
| Blast furnaces, steelworks, rolling, and finishing mills | 302 | 11.5 | 13.4 | 8.3 |
| Iron and steel foundries | 105 | 14.6 | 19.1 | 7.4 |
| Primary aluminum industries | 145 | 11.4 | 7.6 | 10.0 |
| Other primary metal industries | 189 | 25.1 | 6.7 | 9.9 |
| Fabricated metal industries | 1,393 | 25.6 | 8.1 | 12.3 |
| Cutlery, hand tools, and general hardware | 145 | 38.4 | 7.0 | 9.8 |
| Fabricated structural metal products | 550 | 20.3 | 6.4 | 12.2 |
| Screw machine products .. | 85 | 27.1 | 9.9 | 13.5 |
| Metal forging and stampings | 144 | 28.3 | 7.4 | 5.0 |
| Ordnance ............................ | 53 | 28.6 | 8.8 | 5.5 |
| Miscellaneous and not specified fabricated metal products | 416 | 26.6 | 10.4 | 16.5 |
| Machinery and computing equipment ......................... | 2,481 | 23.1 | 6.3 | 8.0 |
| Engines and turbines | 72 | 18.3 | 9.1 | 10.2 |
| Farm machinery and equipment | 117 | 16.2 | 9.8 | 5.2 |
| Construction and material handling machines | 257 | 19.3 | 6.2 | 4.9 |
| Metal working machinery | 323 | 20.0 | 3.0 | 6.3 |
| Computers and related equipment ............... | 515 | 31.3 | 7.8 | 8.7 |
| Electrical machinery, equipment, and supplies | 1,954 | 38.1 | 9.1 | 9.7 |
| Household appliances ............................. | 107 | 35.9 | 9.6 | 5.7 |
| Radio, T.V., and communication equipment ............................................................................ | 420 | 34.2 | 10.8 | 9.4 |
| Transportation equipment .................................................................................................... | 2,391 | 22.7 | 10.9 | 7.7 |
| Motor vehicles and motor vehicle equipment | 1,313 | 23.6 | 13.8 | 6.5 |
| Aircraft and parts ......... | 511 | 22.1 | 7.0 | 9.8 |
| Ship and boat building and repairing | 186 | 14.7 | 12.5 | 8.2 |
| Guided missiles, space vehicles, and parts | 274 | 24.4 | 6.6 | 9.0 |
| Cycles and miscellaneous transportation equipment | 72 | 22.7 | 1.5 | 6.8 |
| Professional and photographic equipment, and watches | 793 | 40.3 | 7.1 | 7.9 |
| Scientific and controlling instruments .................................................................................... | 248 | 34.4 | 4.1 | 5.9 |

See footnotes at end of table.

## HOUSEHOLD DATA

ANNUAL AVERAGES

## 18. Employed persons by detailed industry, sex, race, and Hispanic origin - Continued

(Numbers in thousands)

| Industry | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Percent of total: |  |  |
|  |  | Women | Black | Hispanic origin |
| Medical, dental, and optical instruments and supplies | 428 | 46.0 | 6.8 | 9.5 |
| Photographic equipment and supplies | 107 | 31.1 | 13.2 | 6.4 |
| Toys, amusements, and sporting goods | 165 | 49.4 | 8.3 | 11.4 |
| Miscellaneous and not specified manufacturing industries ................................................ | 517 | 38.7 | 9.9 | 17.0 |
| Nondurable goods | 8,168 | 38.8 | 12.8 | 13.7 |
| Food and kindred products | 1,655 | 33.1 | 14.8 | 21.4 |
| Meat products | 439 | 35.4 | 21.5 | 34.2 |
| Dairy products | 124 | 27.4 | 9.2 | 9.7 |
| Canned, frozen, and preserved fruits and vegetables | 208 | 37.0 | 9.3 | 25.1 |
| Grain mill products | 161 | 28.3 | 6.9 | 14.4 |
| Bakery products | 230 | 31.2 | 13.5 | 21.5 |
| Sugar and confectionary products | 102 | 44.1 | 16.3 | 20.6 |
| Beverage industries | 192 | 18.7 | 16.8 | 8.9 |
| Miscellaneous and not specified food and kindred products | 199 | 41.7 | 14.0 | 14.6 |
| Tobacco manufactures | 52 | 26.0 | 29.6 | 6.0 |
| Textile mill products | 595 | 45.4 | 22.7 | 6.6 |
| Knitting mills | 97 | 61.9 | 16.5 | 11.7 |
| Carpets and rugs | 85 | 38.0 | 17.3 | 5.6 |
| Yarn, thread, and fabric mills | 329 | 43.2 | 26.7 | 6.4 |
| Apparel and other finished textile products | 825 | 66.4 | 14.7 | 25.9 |
| Apparel and accessories, except knit ... | 678 | 67.2 | 15.7 | 26.6 |
| Miscellaneous fabricated textile products | 147 | 63.0 | 9.9 | 22.3 |
| Paper and allied products ........ | 683 | 27.2 | 11.5 | 9.1 |
| Pulp, paper, and paperboard mills | 251 | 20.4 | 10.8 | 6.5 |
| Miscellaneous paper and pulp products | 229 | 34.6 | 7.8 | 12.8 |
| Paperboard containers and boxes. | 203 | 27.3 | 16.4 | 8.1 |
| Printing, publishing, and allied products | 1,795 | 43.3 | 7.7 | 7.9 |
| Newspaper publishing and printing | 514 | 47.6 | 10.4 | 5.3 |
| Printing, publishing, and allied industries, except newspapers | 1,281 | 41.6 | 6.6 | 9.0 |
| Chemicals and allied products ... | 1,318 | 33.1 | 13.1 | 9.9 |
| Plastics, synthetics, and resins | 158 | 25.9 | 13.9 | 15.0 |
| Drugs | 369 | 44.7 | 12.2 | 9.0 |
| Soaps and cosmetics | 174 | 51.9 | 13.4 | 18.9 |
| Paints, varnishes, and related products | 65 | 24.0 | 11.9 | 10.1 |
| Industrial and miscellaneous chemicals | 505 | 21.8 | 14.1 | 5.7 |
| Petroleum and coal products. | 178 | 20.7 | 10.4 | 10.5 |
| Petroleum refining | 141 | 21.0 | 11.2 | 7.8 |
| Rubber and miscellaneous plastics products ............. | 957 | 31.9 | 11.7 | 13.5 |
| Tires and inner tubes. | 100 | 10.4 | 13.4 | 4.4 |
| Other rubber products, and plastics footwear and belting | 147 | 32.8 | 10.5 | 11.4 |
| Miscellaneous plastics products .............................................................................................. | 711 | 34.7 | 11.7 | 15.2 |
| Leather and leather products ............................................................................................. | 108 | 44.5 | 9.5 | 21.3 |
| Footwear, except rubber and plastic .................................................................................. | 56 | 49.0 | 9.3 | 16.7 |
| Transportation, communications, and other public utilities .................................................................. | 9,307 | 29.1 | 15.1 16.1 | 9.5 10.6 |
| Transportation | 6,006 | 27.0 | 16.1 | 10.6 |
| Railroads | 302 | 11.8 | 17.4 | 5.7 |
| Bus service and urban transit | 580 | 36.3 | 22.4 | 12.1 |
| Taxicab service . | 136 | 9.9 | 34.2 | 14.5 |
| Trucking service | 2,413 | 14.6 | 14.4 | 10.5 |
| Warehousing and storage | 169 | 30.6 | 17.7 | 15.0 |
| U.S. Postal Service ....... | 893 | 37.6 | 22.2 | 8.0 |
| Water transportation | 218 | 21.6 | 11.7 | 11.5 |
| Air transportation | 868 | 37.9 | 12.7 | 9.5 |
| Services incidental to transportation ..................................................................................... | 416 | 59.7 | 6.1 | 17.4 |
| Communications ..................................................................................................... | 1,806 | 41.6 | 15.0 | 8.5 |
| Radio and television broadcasting and cable | 479 | 39.7 | 12.9 | 7.8 |
| Telephone communications ....................................................................... | 1,306 | 42.3 | 15.9 | 8.7 |

See footnotes at end of table.
18. Employed persons by detailed industry, sex, race, and Hispanic origin - Continued
(Numbers in thousands)

| Industry | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Percent of total: |  |  |
|  |  | Women | Black | Hispanic origin |
| Utilities and sanitary services | 1,496 | 22.3 | 11.1 | 6.5 |
| Electric light and power ...... | 611 | 19.9 | 9.7 | 4.1 |
| Gas and steam supply systems ............... | 171 | 25.9 | 11.0 | 5.7 |
| Electric and gas, and other combinations | 155 | 30.9 | 7.1 | 7.2 |
| Water supply and irrigation ..................... | 247 | 24.7 | 11.4 | 8.3 |
| Sanitary services ................................................................................................................... | 296 | 17.7 | 16.0 | 9.2 |
| Wholesale and retail trade | 27,203 | 47.2 | 9.6 | 11.4 |
| Wholesale trade | 5,090 | 30.0 | 7.4 | 10.8 |
| Durable goods ........... | 2,773 | 28.5 | 6.1 | 7.8 |
| Motor vehicles and equipment | 239 | 23.1 | 6.5 | 6.7 |
| Furniture and home furnishings | 99 | 40.6 | 1.1 | 14.1 |
| Lumber and construction materials | 207 | 20.9 | 6.7 | 8.8 |
| Proiessional and commercial equipment and supplies | 484 | 36.7 | 7.9 | 7.7 |
| Metals and minerals, except petroleum | 82 | 27.7 | 7.9 | 8.7 |
| Electrical goods | 343 | 30.3 | 7.3 | 7.0 |
| Hardware, plumbing and heating supplies | 293 | 26.1 | 4.6 | 4.7 |
| Machinery, equipment, and supplies .. | 672 | 24.4 | 3.7 | 4.5 |
| Scrap and waste materials .......... | 185 | 18.8 | 11.1 | 19.0 |
| Miscellaneous wholesale trade, durable goods | 169 | 43.2 | 5.6 | 11.5 |
| Nondurable goods | 2,317 | 31.7 | 9.1 | 14.5 |
| Paper and paper products | 139 | 39.7 | 9.5 | 10.7 |
| Drugs, chemicals, and allied products | 223 | 42.9 | 11.6 | 11.9 |
| Apparel, fabrics, and notions | 143 | 50.6 | 10.3 | 18.7 |
| Groceries and related products | 935 | 26.7 | 9.5 | 20.2 |
| Farm products-raw materials | 87 | 24.3 | 9.9 | 3.5 |
| Petroleum products | 150 | 27.6 | 6.1 | 4.3 |
| Alcoholic beverages | 115 | 14.2 | 10.9 | 7.8 |
| Farm supplies .............................................................. | 148 | 26.8 | 3.8 | 5.7 |
| Miscellaneous nondurable goods and not specified wholesale trade ............................................ | 378 | 38.1 | 8.4 | 14.1 |
| Retail trade | 22,113 | 51.1 | 10.1 | 11.6 |
| Lumber and building material retailing | 587 | 29.3 | 8.9 | 7.0 |
| Hardware stores ...... | 222 | 38.6 | 6.6 | 6.1 |
| Retail nurseries and garden stores | 120 | 42.1 | 3.5 | 9.5 |
| Department stores | 2,209 | 67.0 | 14.5 | 10.5 |
| Variety stores ........ | 143 | 68.9 | 21.4 | 6.8 |
| Miscellaneous general merchandise stores | 178 | 62.1 | 19.9 | 7.9 |
| Grocery stores | 3,133 | 51.1 | 10.3 | 10.9 |
| Retail bakeries | 212 | 57.1 | 8.2 | 11.6 |
| Motor vehicle dealers | 1,228 | 19.3 | 6.9 | 9.2 |
| Auto and home supply stores | 473 | 16.0 | 8.2 | 12.0 |
| Gasoline service stations | 396 | 35.7 | 9.7 | 8.4 |
| Miscellaneous vehicle dealers | 128 | 28.3 | . 6 | 6.3 |
| Apparel and accessory stores, except shoe | 786 | 73.9 | 12.8 | 10.3 |
| Shoe stores .................................... | 140 | 54.1 | 19.7 | 11.2 |
| Furniture and home furnishings stores | 622 | 39.0 | 7.5 | 10.8 |
| Household appliance stores .............. | 93 | 27.9 | 15.7 | 12.6 |
| Radio, TV, and computer stores | 524 | 29.0 | 7.2 | 6.8 |
| Music stores | 137 | 40.7 | 7.7 | 9.3 |
| Eating and drinking places | 6,743 | 52.2 | 10.8 | 16.1 |
| Drug stores ...... | 627 | 66.2 | 12.4 | 7.7 |
| Liquor stores ................................... | 129 | 48.0 | 6.1 | 11.6 |
| Sporting goods, bicycles, and hobby stores | 405 | 45.1 | 6.8 | 8.1 |
| Book and stationery stores ........................ | 313 | 59.3 | 6.5 | 6.4 |
| Jewelry stores .................... | 176 | 62.7 | 5.4 | 13.6 |
| Gift, novelty, and souvenir shops | 220 | 82.5 | 4.6 | 5.8 |
| Catalog and mail order houses. | 148 | 63.8 | 7.2 | 9.1 |
| Vending machine operators ....................................................................................................... | 69 | 29.9 | 5.9 | 8.8 |

See footnotes at end of table

## HOUSEHOLD DATA

ANNUAL AVERAGES
18. Employed persons by detailed industry, sex, race, and Hispanic origin - Continued
(Numbers in thousands)

| Industry | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Percent of total: |  |  |
|  |  | Women | Black | Hispanic origin |
| Direct selling establishments | 369 | 75.1 | 6.9 | 9.7 |
| Fuel dealers | 115 | 27.0 | 7.4 | 3.6 |
| Retail florists | 176 | 74.7 | 5.7 | 8.6 |
| Finance, insurance, and real estate | 8,605 | 58.7 | 10.5 | 7.1 |
| Banking | 1,860 | 70.7 | 12.6 | 7.3 |
| Savings institutions, including credit unions | 258 | 83.2 | 10.8 | 7.0 |
| Security, commodity brokerage, and investment companies | 918 | 38.2 | 7.3 | 3.9 |
| Insurance | 2,563 | 61.8 | 10.6 | 5.3 |
| Real estate, including real estate-insurance offices | 2,269 | 49.9 | 9.3 | 9.8 |
| Services | 47,212 | 62.1 | 12.2 | 8.7 |
| Private households | 967 | 90.7 | 15.1 | 29.3 |
| Other service industries | 46,244 | 61.5 | 12.2 | 8.2 |
| Business, automobile, and repair services | 8,708 | 36.6 | 11.6 | 10.8 |
| Advertising. | 308 | 51.2 | 6.1 | 6.8 |
| Services to dwellings and other buildings | 791 | 48.8 | 16.5 | 21.2 |
| Personnel supply services. | 1,027 | 60.2 | 20.8 | 12.1 |
| Computer and data processing services | 1,780 | 29.7 | 6.8 | 4.7 |
| Detective and protective services | 573 | 21.0 | 26.0 | 11.1 |
| Automotive rental and leasing, without drivers | 167 | 31.6 | 11.4 | 12.5 |
| Automobile parking and carwashes... | 218 | 16.9 | 19.6 | 17.7 |
| Automotive repair and related services | 1,151 | 10.1 | 7.7 | 14.7 |
| Electrical repair shops ..................... | 137 | 11.7 | 6.5 | 14.0 |
| Miscellaneous repair services ............................................................................................ | 572 | 15.2 | 3.9 | 9.4 |
| Personal services, except private household | 3,484 | 64.6 | 13.0 | 13.9 |
| Hotels and motels | 1,371 | 57.7 | 15.4 | 18.4 |
| Lodging places, except hotels and motels | 148 | 44.9 | 5.0 | 3.8 |
| Laundry, cleaning, and garment services | 478 | 57.1 | 14.8 | 23.0 |
| Beauty shops | 894 | 89.7 | 10.8 | 8.2 |
| Barber shops | 67 | 18.2 | 40.6 | 13.4 |
| Funeral service and crematories | 89 | 28.7 | 21.2 | 6.9 |
| Entertainment and recreation services | 2,530 | 45.0 | 9.0 | 8.4 |
| Theaters and motion pictures .......... | 678 | 41.8 | 9.8 | 8.0 |
| Video tape rental ........ | 141 | 58.5 | 6.2 | 11.8 |
| Bowling centers | 61 | 42.7 | 3.8 | 4.9 |
| Miscellaneous entertainment and recreation services ...... | 1,650 | 45.3 | 9.1 | 8.4 |
| Professional and related services | 31,392 | 69.5 | 12.5 | 6.9 |
| Hospitals | 5,116 | 76.3 | 16.0 | 6.6 |
| Health services, except hospitals | 6,388 | 79.0 | 14.7 | 7.9 |
| Offices and clinics of physicians.. | 1,581 | 73.5 | 6.2 | 7.8 |
| Offices and clinics of dentists ...... | 666 | 79.5 | 3.7 | 6.8 |
| Offices and clinics of chiropractors. | 127 | 59.4 | . 9 | 3.9 |
| Offices and clinics of optometrists | 77 | 63.3 | 4.6 | 5.1 |
| Nursing and personal care facilities | 1,801 | 85.0 | 24.4 | 7.4 |
| Educational services | 10,468 | 68.7 | 11.6 | 6.9 |
| Elementary and secondary schools | 7,131 | 75.3 | 12.4 | 7.4 |
| Colleges and universities ........... | 2,792 | 52.5 | 10.1 | 5.8 |
| Vocational schools .................................................................................................. | 86 | 49.8 | 8.6 | 4.2 |
| Libraries ............... | 196 | 73.1 | 7.9 | 6.8 |
| Social services | 3,240 | . 8 | 17.5 | 8.8 |
| Job training and vocational rehabilitation services | 217 | 58.8 | 16.1 | 5.5 |
| Child day care services ................................. | 943 | 95.4 | 16.5 | 9.2 |
| Family child care homes .... | 498 | 96.6 | 11.0 | 11.0 |
| Residential care facilities, without nursing . | 486 | 70.9 | 21.8 | 9.1 5.1 |
| Other professional services | 6,181 | 49.0 | 6.2 | 5.1 |

See footnotes at end of table.

## 18. Employed persons by detailed industry, sex, race, and Hispanic origin - Continued

(Numbers in thousands)

| Industry | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Percent of total: |  |  |
|  |  | Women | Black | Hispanic origin |
| Legal services | 1,356 | 56.0 | 6.0 | 6.2 |
| Museums, art galleries, and zoos | 121 | 58.8 | 8.5 | 6.7 |
| Labor unions ..................... | 51 | 55.0 | 12.9 | 4.5 |
| Religious organizations | 866 | 50.8 | 8.0 | 5.5 |
| Engineering, architectural, and surveying services | 910 | 24.0 | 3.7 | 5.1 |
| Accounting, auditing, and bookkeeping services. | 706 | 56.0 | 5.3 | 3.8 |
| Research, development, and testing services | 591 | 48.4 | 6.5 | 5.6 |
| Management and public relations services ................................................................... | 950 | 45.3 | 6.6 | 3.8 |
| Miscellaneous protessional and related services .............................................................. | 285 | 58.4 | 2.9 | 1.7 |
| Forestry and fisheries | 131 | 20.3 | 3.6 | 9.1 |
| Forestry ............... | 67 | 26.0 | 4.0 | 12.1 |
| Fishing, hunting, and trapping ............ | 64 | 14.3 | 3.1 | 6.0 |
| Public administration | 5,887 | 43.6 | 16.5 | 6.6 |
| Executive and legislative offices ............................................................................................ | 147 | 56.2 | 6.8 | 3.8 |
| Justice, public order, and safety .. | 2,442 | 31.1 | 16.8 | 7.6 |
| Public finance, taxation, and monetary policy | 360 | 66.0 | 17.7 | 6.8 |
| Administration of human resources programs | 805 | 69.2 | 21.3 | 6.1 |
| Administration of environmental quality and housing programs ................................................ | 264 | 39.4 | 7.4 | 4.5 |
| Administration of economic programs .......................... | 585 | 42.5 | 13.4 | 4.3 |
| National security and international affairs ................................................................................ | 591 | 37.7 | 14.6 | 6.8 |

NOTE: Generally, data for industries with fewer than 50,000 employed are not published separately but are included in the totals for the appropriate categories shown. Beginning in January 1998, data reflect
new composite estimation procedures and revised population controls used in the household survey.
19. Persons at work in agriculture and nonagricultural industries by hours of work

| Hours of work | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  | Percent distribution |  |  |
|  | All industries | Agriculture | Nonagricultural industries | All industries | Agriculture | Nonagricultural industries |
| Total, 16 years and over ..................................................... | 125,877 | 3,217 | 122,660 | 100.0 | 100.0 | 100.0 |
| 1 to 34 hours ................................................................... | 33,132 | 987 | 32,146 | 26.3 | 30.7 | 26.2 |
| 1 to 4 hours | 1,336 | 71 | 1,265 | 1.1 | 2.2 | 1.0 |
| 5 to 14 hours ................................................................... | 4,914 | 218 | 4,696 | 3.9 | 6.8 | 3.8 |
| 15 to 29 hours .................................................................. | 15,545 | 465 | 15,081 | 12.3 | 14.4 | 12.3 |
| 30 to 34 hours ................................................................... | 11,337 | 232 | 11,105 | 9.0 | 7.2 | 9.1 |
| 35 hours and over ................................................................ | 92,745 | 2,231 | 90,514 | 73.7 | 69.3 | 73.8 |
| 35 to 39 hours .................................................................. | 8,731 | 174 | 8,556 | 6.9 | 5.4 | 7.0 |
| 40 hours | 44,224 | 760 | 43,464 | 35.1 | 23.6 | 35.4 |
| 41 hours and over | 39,790 | 1,297 | 38,494 | 31.6 | 40.3 | 31.4 |
| 41 to 48 hours. | 14,608 | 268 | 14,340 | 11.6 | 8.3 | 11.7 |
| 49 to 59 hours | 14,520 | 387 | 14,133 | 11.5 | 12.0 | 11.5 |
| 60 hours and over ............................................................ | 10,663 | 642 | 10,020 | 8.5 | 20.0 | 8.2 |
| Average hours, total at work .................................................. | 39.3 | 41.6 | 39.2 | - | - | - |
| Average hours, persons who usually work full time .................... | 43.2 | 47.9 | 43.1 | - | - | - |

NOTE: Detail on persons at work in tables 19-23 may not sum to the totals shown because of minor editing problems associated with the redesigned
survey. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
20. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than $\mathbf{3 5}$ hours and usual full- or part-time status
(Numbers in thousands)

| Reason for working less than 35 hours | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All industries |  |  | Nonagricultural industries |  |  |
|  | Total | Usually work full time | Usually work part time | Total | Usually work full time | Usually work part time |
| Total, 16 years and over .......................................................... | 33,132 | 12,260 | 20,872 | 32,146 | 11.929 | 20,217 |
| Economic reasons | 3,665 | 1,322 | 2,343 | 3,501 | 1,238 | 2,263 |
| Slack work or business conditions | 2,095 | 1,056 | 1,038 | 1,997 | 998 | 999 |
| Could only find part-time work ..................................................... | 1,258 | - | 1,258 | 1,228 | - | 1,228 |
| Seasonal work ............................................................................ | 135 | 89 | 47 | 102 | 66 | 37 |
| Job started or ended during week .............................................. | 177 | 177 | - | 174 | 174 | - |
| Noneconomic reasons ............................................................... | 29,467 | 10,938 | 18,530 | 28,645 | 10,691 | 17,954 |
| Child-care problems .............................................................. | 856 | 89 | 767 | 843 | 87 | 755 |
| Other family or personal obligations ............................................ | 5,551 | 688 | 4,863 | 5,390 | 673 | 4,716 |
| Health or medical limitations | 717 | - | 717 | 683 | - | 683 |
| In school or training | 6,394 | 97 | 6,297 | 6,245 | 94 | 6,151 |
| Retired or Social Security limit on earnings ................................... | 1,889 | - | 1,889 | 1,775 | - | 1,775 |
| Vacation or personal day .......................................................... | 3,487 | 3,487 | - | 3,420 | 3,420 | - |
| Holiday, legal or religious | 3,399 | 3,399 | - | 3,357 | 3,357 | - |
| Weather-related curtailment ...................................................... | 489 | 489 | - | 426 | 426 | - |
| All other reasons ...................................................................... | 6,685 | 2,689 | 3,997 | 6,508 | 2,634 | 3,874 |
| Average hours: |  |  |  |  |  |  |
| Economic reasons .................................................................... | 22.9 | 23.9 | 22.4 | 23.0 | 24.0 | 22.4 |
| Noneconomic reasons ................................................................. | 22.1 | 26.6 | 19.5 | 22.2 | 26.7 | 19.6 |

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.

## 21. Persons at work in nonagricultural industries by class of worker and usual full- or part-time status

(Numbers in thousands)

| Industry and class of worker | 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total at work | Worked 1 to 34 hours |  |  |  | Worked 35 hours or more | Average hours |  |
|  |  | Total | For economic reasons | For noneconomic reasons |  |  | Total at work | Persons who usually work full time |
|  |  |  |  | Usually work full time | Usually work part time |  |  |  |
| Total 16 years and over ................................................... | 122,660 | 32,146 | 3,501 | 10,691 | 17,954 | 90,514 | 39.2 | 43.1 |
| Wage and salary workers ................................................. | 114,157 | 29,314 | 3,123 | 10,049 | 16,142 | 84,843 | 39.2 | 42.9 |
| Mining .......................................................................... | 575 | 55 | 7 | 35 | 14 | 519 | 47.6 | 48.3 |
| Construction ................................................................ | 6,748 | 1,339 | 289 | 715 | 335 | 5,409 | 40.8 | 42.3 |
| Manufacturing | 19,667 | 2,765 | 300 | 1,735 | 729 | 16,902 | 42.2 | 43.2 |
| Durable goods | 11,943 | 1,551 | 132 | 1,082 | 337 | 10,392 | 42.7 | 43.4 |
| Nondurable goods ........................................................ | 7,724 | 1,214 | 168 | 653 | 392 | 6,510 | 41.6 | 42.9 |
| Transportation and public utilities | 8,477 | 1,469 | 176 | 750 | 543 | 7,008 | 42.3 | 44.0 |
| Wholesale and retail trade | 24,679 | 8,493 | 1,051 | 1,405 | 6,038 | 16,186 | 37.1 | 43.5 |
| Finance, insurance, and real estate .................................. | 7,729 | 1,642 | 77 | 813 | 753 | 6,087 | 40.0 | 42.2 |
| Service industries ........................................................... | 40,616 | 12,378 | 1,183 | 3,735 | 7,460 | 28,238 | 37.7 | 42.4 |
| Private households ....................................................... | 924 | 530 | 85 | 47 | 398 | 395 | 29.5 | 42.8 |
| All other industries ........................................................ | 39,691 | 11,848 | 1,097 | 3,688 | 7,063 | 27,843 | 37.9 | 42.3 |
| Public administration ...................................................... | 5,666 | 1.172 | 40 | 862 | 271 | 4,494 | 40.5 | 41.7 |
| Self-employed workers ..................................................... | 8,400 | 2,774 | 374 | 637 | 1,763 | 5,626 | 39.6 | 46.4 |
| Unpaid family workers ...................................................... | 103 | 58 | 4 | 5 | 48 | 45 | 34.0 | 46.6 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

 ANNUAL AVERAGES22. Persons at work in nonagricultural industries by age, sex, race, marital status, and usual full- or part-time status
(Numbers in thousands)

| Age, sex, race, and marital status | 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total at work | Worked 1 to 34 hours |  |  |  | Worked 35 hours or more | Average hours |  |
|  |  | Total | For economic reasons | For noneconomic reasons |  |  | Total at work | Persons who usually work full time |
|  |  |  |  | Usually work full time | Usually work part time |  |  |  |
| TOTAL |  |  |  |  |  |  |  |  |
| Total, 16 years and over | 122,660 | 32,146 | 3,501 | 10,691 | 17,954 | 90,514 | 39.2 | 43.1 |
| 16 to 19 years | 6,540 | 4,625 | 342 | 262 | 4,021 | 1,915 | 25.2 | 39.4 |
| 16 to 17 years .............................................................. | 2,519 | 2,248 | 71 | 50 | 2,126 | 271 | 19.1 | 37.5 |
| 18 to 19 years ............................................................... | 4,022 | 2,377 | 271 | 212 | 1,895 | 1,644 | 29.0 | 39.7 |
| 20 years and over | 116,119 | 27,521 | 3,159 | 10,429 | 13,933 | 88,599 | 40.0 | 43.2 |
| 20 to 24 years ................................................................ | 11,838 | 4,026 | 587 | 911 | 2,528 | 7,812 | 36.2 | 41.4 |
| 25 years and over .......................................................... | 104,281 | 23,495 | 2,572 | 9,518 | 11,405 | 80,786 | 40.5 | 43.3 |
| 25 to 54 years .... | 89,316 | 18,457 | 2,236 | 8,158 | 8,063 | 70,859 | 41.1 | 43.4 |
| 55 years and over ....................................................... | 14,965 | 5,038 | 335 | 1,361 | 3,342 | 9,927 | 37.0 | 42.6 |
| Men, 16 years and over ................................................. | 65,847 | 12,311 | 1,663 | 5,158 | 5,490 | 53,536 | 42.2 | 44.6 |
| 16 to 19 years ................................................................. | 3,235 | 2,128 | 160 | 136 | 1,832 | 1,107 | 26.7 | 40.1 |
| 16 to 17 years | 1,237 | 1,074 | 39 | 26 | 1,009 | 164 | 20.2 | 38.4 |
| 18 to 19 years ........................................................... | 1,997 | 1,055 | 120 | 111 | 824 | 943 | 30.8 | 40.4 |
| 20 years and over ............................................................ | 62,612 | 10,183 | 1,504 | 5,022 | 3,657 | 52,429 | 43.0 | 44.7 |
| 20 to 24 years | 6,209 | 1,732 | 290 | 433 | 1,009 | 4,477 | 38.3 | 42.5 |
| 25 years and over | 56,403 | 8,451 | 1,214 | 4,588 | 2,649 | 47,952 | 43.5 | 44.9 |
| 25 to 54 years... | 48,154 | 6,232 | 1,051 | 3,884 | 1,298 | 41,921 | 44.1 | 45.0 |
| 55 years and over ........................................................ | 8,249 | 2,219 | 163 | 704 | 1,351 | 6,031 | 39.5 | 44.0 |
| Women, 16 years and over .............................................. | 56,813 | 19,835 | 1,837 | 5,533 | 12,464 | 36,978 | 35.9 | 41.0 |
| 16 to 19 years ................................................................. | 3,306 | 2,497 | 182 | 126 | 2,189 | 808 | 23.7 | 38.5 |
| 16 to 17 years | 1,281 | 1,174 | 32 | 25 | 1,118 | 107 | 18.1 | 36.3 |
| 18 to 19 years | 2,024 | 1,323 | 150 | 101 | 1,071 | 701 | 27.3 | 38.9 |
| 20 years and over ............................................................ | 53,508 | 17,338 | 1,655 | 5,408 | 10,275 | 36,170 | 36.6 | 41.0 |
| 20 to 24 years ............................................................... | 5,630 | 2,294 | 298 | 477 | 1,519 | 3,335 | 33.9 | 39.9 |
| 25 years and over | 47,878 | 15,044 | 1,358 | 4,930 | 8,756 | 32,834 | 36.9 | 41.1 |
| 25 to 54 years .............................................................. | 41,162 | 12,225 | 1,185 | 4,274 | 6,765 | 28,938 | 37.4 | 41.2 |
| 55 years and over ........................................................ | 6,716 | 2,819 | 172 | 656 | 1,991 | 3,897 | 33.8 | 40.6 |
| Race |  |  |  |  |  |  |  |  |
| White, 16 years and over ............................................... | 103,140 | 27.449 | 2,748 | 8,967 | 15,734 | 75,692 | 39.3 | 43.3 |
| Men .............................................................................. | 56,245 | 10,473 | 1,336 | 4,413 | 4.723 | 45,772 | 42.4 | 44.8 |
| Women | 46,895 | 16,976 | 1,412 | 4,553 | 11,011 | 29,919 | 35.6 | 41.1 |
| Black, 16 years and over ............................................... | 13,830 | 3,353 | 580 | 1,287 | 1,487 | 10,477 | 38.7 | 41.5 |
| Men .............................................................................. | 6,535 | 1,265 | 242 | 538 | 486 | 5,269 | 40.7 | 42.9 |
| Women ........................................................................ | 7,296 | 2,088 | 338 | 749 | 1,000 | 5,208 | 36.8 | 40.2 |
| Marital status |  |  |  |  |  |  |  |  |
| Men, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present ..................................................... | 39,972 | 5,639 | 662 | 3,251 | 1,726 | 34,333 | 44.0 | 45.3 |
| Widowed, divorced, or separated ....................................... | 7,917 | 1,329 | 249 | 650 | 430 | 6,587 | 42.8 | 44.5 |
| Single (never married) .................................................... | 17,958 | 5,343 | 753 | 1,257 | 3,333 | 12,615 | 37.8 | 42.8 |
| Women, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present .................................................. | 30,317 11,485 | 10,569 3,242 | 719 | 3,070 1,231 | 6,779 1,569 | 19,749 8,242 | 35.8 38.0 | 40.8 41.4 |
| Widowed, divorced, or separated .............................................. | 11,485 15,011 | 3,242 6,024 | 442 676 | 1,231 | 4,115 | 8,287 | 34.2 | 40.9 |
| Single (never maried) ................. |  |  |  |  |  |  |  |  |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 23. Persons at work in nonfarm occupations by sex and usual full- or part-time status

(Numbers in thousands)

| Occupation and sex | 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total at work | Worked 1 to 34 hours |  |  |  | Worked 35 hours or more | Average hours |  |
|  |  | Total | For economic reasons | For noneconomic reasons |  |  | Total at work | Persons who usually work full time |
|  |  |  |  | Usually work full time | Usually work part time |  |  |  |
| Total, 16 years and over ${ }^{1}$......................................................... | 122,536 | 32,110 | 3,484 | 10,671 | 17,955 | 90,427 | 39.2 | 43.1 |
| Managerial and professional specialty | 36,978 | 7,751 | 497 | 3,535 | 3,719 | 29,227 | 41.8 | 44.5 |
| Executive, administrative, and managerial ..................................... | 18,373 | 3,013 | 172 | 1,626 | 1,215 | 15,360 | 43.6 | 45.5 |
| Professional specialty | 18,605 | 4,737 | 324 | 1,908 | 2,505 | 13,867 | 39.9 | 43.4 |
| Technical, sales, and administrative support | 37,029 | 11,290 | 920 | 3,284 | 7,086 | 25,739 | 37.4 | 42.1 |
| Technicians and related support | 4,095 | 981 | 66 | 403 | 512 | 3,114 | 39.2 | 41.9 |
| Sales occupations ................ | 15,272 | 4,816 | 510 | 926 | 3,379 | 10,456 | 38.5 | 44.6 |
| Administrative support, including clerical | 17,662 | 5,493 | 343 | 1,955 | 3,194 | 12,169 | 36.1 | 40.1 |
| Service occupations | 17,059 | 6,881 | 945 | 1,105 | 4,831 | 10,178 | 34.7 | 42.0 |
| Private household . | 815 | 478 | 75 | 40 | 363 | 337 | 29.0 | 42.6 |
| Protective service | 2,313 | 399 | 33 | 166 | 200 | 1,914 | 42.5 | 45.0 |
| Service, except private household and protective | 13,932 | 6,005 | 838 | 899 | 4,268 | 7,926 | 33.8 | 41.3 |
| Precision production, craft, and repair | 13,897 | 2,284 | 433 | 1,279 | 571 | 11,613 | 41.8 | 43.0 |
| Operators, fabricators, and laborers ... | 17,574 | 3,904 | 690 | 1,467 | 1,748 | 13,670 | 40.1 | 42.8 |
| Machine operators, assemblers, and inspectors | 7,537 | 1,298 | 228 | 681 | 389 | 6,240 | 40.6 | 41.9 |
| Transportation and material moving occupations | 5,123 | 985 | 166 | 372 | 447 | 4,138 | 43.2 | 45.8 |
| Handlers, equipment cleaners, helpers, and laborers ....................... | 4,913 | 1,622 | 296 | 414 | 912 | 3,292 | 36.2 | 40.9 |
| Men, 16 years and over ${ }^{1}$ | 65,575 | 12,200 | 1,648 | 5,128 | 5,424 | 53,376 | 42.2 | 44.6 |
| Managerial and professional specialty ............................................ | 19,158 | 2,800 | 215 | 1,552 | 1,033 | 16,359 | 44.8 | 46.5 |
| Executive, administrative, and managerial ...................................... | 10,266 | 1,224 | 93 | 743 | 389 | 9,041 | 46.2 | 47.4 |
| Professional specialty .. | 8,893 | 1,575 | 122 | 809 | 644 | 7,317 | 43.2 | 45.4 |
| Technical, sales, and administrative support ..................................... | 13,383 | 2,648 | 252 | 941 | 1,454 | 10,736 | 41.9 | 44.9 |
| Technicians and related support .................................................. | 1,913 | 322 | 27 | 168 | 127 | 1,591 | 41.7 | 43.4 |
| Sales occupations ..................................................................... | 7,655 | 1,477 | 144 | 421 | 913 | 6,177 | 43.2 | 46.7 |
| Administrative support, including clerical | 3,816 | 848 | 82 | 353 | 414 | 2,968 | 39.3 | 42.1 |
| Service occupations | 6,972 | 2,065 | 301 | 424 | 1,340 | 4,907 | 38.0 | 43.4 |
| Private household | 45 | 23 | 6 | 1 | 15 | 22 | 30.4 | 41.6 |
| Protective service | 1,903 | 278 | 22 | 135 | 120 | 1,625 | 43.8 | 45.6 |
| Service, except private household and protective | 5,023 | 1,764 | 272 | 287 | 1,205 | 3,259 | 35.9 | 42.3 |
| Precision production, craft, and repair ....... | 12,758 | 2,016 | 403 | 1,162 | 451 | 10,742 | 42.1 | 43.2 |
| Operators, fabricators, and laborers .................................................. | 13,304 | 2,672 | 477 | 1,049 | 1,146 | 10,632 | 41.1 | 43.5 |
| Machine operators, assemblers, and inspectors | 4,750 | 665 | 110 | 396 | 158 | 4,086 | 41.8 | 42.7 |
| Transportation and material moving occupations ............................. | 4,622 | 786 | 141 | 328 | 317 | 3,836 | 44.0 | 46.1 |
| Handlers, equipment cleaners, helpers, and laborers ....................... | 3,932 | 1,221 | 226 | 325 | 671 | 2,711 | 36.8 | 41.2 |
| Women, 16 years and over ${ }^{1}$...................................................... | 56,961 | 19,910 | 1,837 | 5,543 | 12,531 | 37,051 | 35.8 | 41.0 |
| Managerial and professional specialty ............................................ | 17,820 | 4,951 | 282 | 1,983 | 2,687 | 12,869 | 38.4 | 42.1 |
| Executive, administrative, and managerial ...................................... | 8,108 | 1,789 | 79 | 884 | 826 | 6,319 | 40.4 | 42.8 |
| Professional specialty ................................................................ | 9,712 | 3,162 | 203 | 1,099 | 1,860 | 6,550 | 36.8 | 41.3 |
| Technical, sales, and administrative support ..................................... | 23,645 | 8,642 | 667 | 2,343 | 5,632 | 15,003 | 34.9 | 40.2 |
| Technicians and related support | 2,183 | 659 | 40 | 235 | 385 | 1,524 | 37.0 | 40.4 |
| Sales occupations ..................................................................... | 7,617 | 3,338 | 366 | 506 | 2,466 | 4,279 | 33.8 | 41.7 |
| Administrative support, including clerical ........................................ | 13,845 | 4,644 | 261 | 1,603 | 2,781 | 9,201 | 35.3 | 39.5 |
| Service occupations .................................................................... | 10,087 | 4,817 | 644 | 681 | 3,491 | 5,271 | 32.4 | 40.8 |
| Private household ...................................................................... | 770 | 455 | 68 | 38 | 348 | 315 | 29.0 | 42.7 |
| Protective service ...................................................................... | 409 | 121 | 11 | 31 | 79 | 289 | 36.6 | 41.6 |
| Service, except private household and protective ............................ | 8,908 | 4,241 | 566 | 612 | 3,064 | 4,667 | 32.5 | 40.6 |
| Precision production, craft, and repair ............................................. | 1,139 | 268 | 31 | 117 | 120 | 871 | 38.6 | 41.1 |
| Operators, fabricators, and laborers ................................................ | 4,270 | 1,232 | 213 | 418 | 602 | 3,037 | 37.2 | 40.5 |
| Machine operators, assemblers, and inspectors .............................. | 2,787 | 633 | 118 | 285 | 230 | 2,154 | 38.5 | 40.4 |
| Transportation and material moving occupations ............................. | 502 | 199 | 25 | 43 | 131 | 302 | 36.0 | 42.6 |
| Handlers, equipment cleaners, helpers, and laborers ....................... | 981 | 400 | 70 | 90 | 241 | 581 | 34.0 | 39.6 |

1 Excludes farming, forestry, and fishing occupations.
procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

 ANNUAL AVERAGES24. Unemployed persons by marital status, race, age, and sex

| Marital status, race, and age | Men |  |  |  | Women |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Unemployment rates |  | Thousands of persons |  | Unemployment rates |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total, 16 years and over | 3.577 | 3,266 | 4.9 | 4.4 | 3,162 | 2,944 | 5.0 | 4.6 |
| Married, spouse present | 1,167 | 1,034 | 2.7 | 2.4 | 1,047 | 985 | 3.1 | 2.9 |
| Widowed, divorced, or separated ................................. | 504 | 435 | 5.8 | 4.8 | 660 | 628 | 5.2 | 4.9 |
| Single (never married) .............................................. | 1,906 | 1,798 | 9.2 | 8.5 | 1,455 | 1.332 | 8.8 | 7.8 |
| White, 16 years and over ...................................... | 2,641 | 2,431 | 4.2 | 3.9 | 2,195 | 2,053 | 4.2 | 3.9 |
| Married, spouse present ............................................. | 957 | 836 | 2.5 | 2.2 | 855 | 808 | 2.9 | 2.7 |
| Widowed, divorced, or separated ................................. | 382 | 334 | 5.3 | 4.5 | 461 | 449 | 4.6 | 4.4 |
| Single (never married) ................................................ | 1.303 | 1.261 | 7.8 | 7.4 | 879 | 797 | 7.1 | 6.3 |
| Black, 16 years and over ....................................... | 747 | 671 | 10.2 | 8.9 | 813 | 756 | 9.9 | 9.0 |
| Married, spouse present ............................................ | 141 | 133 | 4.3 | 3.9 | 131 | 120 | 5.2 | 4.5 |
| Widowed, divorced, or separated ................................, | 99 | 84 | 8.3 | 6.9 | 172 | 156 | 7.7 | 7.0 |
| Single (never married) ............................................... | 506 | 455 | 17.7 | 15.4 | 510 | 480 | 15.0 | 13.5 |
| Total, 25 years and over ........................................ | 2,246 | 1,998 | 3.6 | 3.2 | 2,069 | 1,926 | 3.9 | 3.6 |
| Married, spouse present ...... | 1,095 | 980 | 2.6 | 2.3 | 943 | 878 | 2.9 | 2.7 |
| Widowed, divorced, or separated | 478 | 415 | 5.6 | 4.8 | 612 | 590 | 4.9 | 4.8 |
| Single (never married) ............................................... | 674 | 602 | 6.2 | 5.5 | 514 | 458 | 6.3 | 5.4 |
| White, 25 years and over ....................................... | 1,700 | 1,516 | 3.2 | 2.8 | 1,458 | 1,361 | 3.3 | 3.1 |
| Married, spouse present .......... | 899 | 790 | 2.4 | 2.1 | 770 | 717 | 2.7 | 2.5 |
| Widowed, divorced, or separated | 359 | 318 | 5.1 | 4.4 | 426 | 418 | 4.4 | 4.3 |
| Single (never married) ............................................... | 442 | 407 | 5.1 | 4.7 | 263 | 226 | 4.6 | 3.8 |
| Black, 25 years and over ...................................... | 420 | 373 | 6.9 | 6.0 | 510 | 471 | 7.6 | 6.8 |
| Married, spouse present ............................................. | 129 | 126 | 4.0 | 3.8 | 117 | 109 | 4.8 | 4.3 |
| Widowed, divorced, or separated ................................. | 97 | 81 | 8.2 | 6.8 | 162 | 151 | 7.4 | 6.9 |
| Single (never married) ................................................ | 195 | 166 | 11.5 | 9.5 | 231 | 211 | 11.0 | 9.5 |

[^21]
## 25. Unemployed persons by occupation and sex

| Occupation | Thousands of persons |  | Unemployment rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | Total |  | Men |  | Women |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total, 16 years and over ${ }^{1}$ | 6,739 | 6,210 | 4.9 | 4.5 | 4.9 | 4.4 | 5.0 | 4.6 |
| Managerial and professional specialty .................................................. | 761 | 722 | 2.0 | 1.8 | 1.9 | 1.7 | 2.1 | 2.0 |
| Executive, administrative, and managerial .......................................... | 359 | 343 | 1.9 | 1.8 | 1.8 | 1.6 | 2.0 | 2.0 |
| Professional specialty ..................................................................... | 403 | 380 | 2.0 | 1.9 | 2.0 | 1.8 | 2.1 | 2.0 |
| Technical, sales, and administrative support .......................................... | 1,646 | 1,550 | 4.1 | 3.9 | 3.6 | 3.3 | 4.4 | 4.2 |
| Technicians and related support ....................................................... | 104 | 96 | 2.4 | 2.2 | 2.2 | 2.3 | 2.6 | 2.1 |
| Sales occupations ........................................................................... | 814 | 745 | 4.9 | 4.5 | 3.6 | 3.3 | 6.2 | 5.6 |
| Administrative support, including clerical ............................................. | 728 | 710 | 3.8 | 3.7 | 4.2 | 4.0 | 3.7 | 3.6 |
| Service occupations ......................................................................... | 1,255 | 1,216 | 6.7 | 6.4 | 6.5 | 6.3 | 6.8 | 6.4 |
| Private household ............................................................................ | 73 | 74 | 8.4 | 8.0 | 12.6 | 8.7 | 8.2 | 8.0 |
| Protective service ........................................................................... | 89 | 85 | 3.7 | 3.4 | 3.4 | 3.1 | 5.2 | 5.0 |
| Service, except private household and protective ................................. | 1,093 | 1,057 | 7.0 | 6.8 | 7.6 | 7.5 | 6.7 | 6.3 |
| Precision production, craft, and repair ................................................... | 719 | 630 | 4.8 | 4.2 | 4.8 | 4.1 | 5.1 | 4.8 |
| Mechanics and repairers .................................................................. | 167 | 149 | 3.5 | 3.0 | 3.4 | 3.1 | 4.5 | 2.3 |
| Construction trades ........ | 406 | 338 | 7.0 | 5.7 | 7.0 | 5.6 | 7.2 | 10.4 |
| Other precision production, craft, and repair ........................................ | 145 | 143 | 3.4 | 3.4 | 3.0 | 3.1 | 5.0 | 4.6 |
| Operators, fabricators, and laborers ..................................................... | 1,490 | 1,304 | 7.5 | 6.7 | 7.1 | 6.3 | 8.8 | 7.7 |
| Machine operators, assemblers, and inspectors ................................... | 551 | 494 | 6.5 | 6.0 | 5.1 | 5.0 | 8.6 | 7.6 |
| Transportation and material moving occupations .................................. | 306 | 279 | 5.4 | 4.9 | 5.3 | 4.8 | 6.0 | 6.3 |
| Handlers, equipment cleaners, helpers, and laborers ............................ | 633 | 531 | 11.1 | 9.4 | 11.3 | 9.6 | 10.5 | 8.8 |
| Construction laborers ..................................................................... | 167 | 136 | 17.1 | 14.2 | 16.9 | 14.2 | 20.8 | 16.0 |
| Other handlers, equipment cleaners, helpers, and laborers ............................................................. | 467 | 395 | 9.9 | 8.4 | 9.9 | 8.4 | 10.1 | 8.5 |
| Farming, forestry, and fishing ............................................................. | 267 | 244 | 7.1 | 6.5 | 6.9 | 6.1 | 7.8 | 8.0 |
| No previous work experience .............................................................. | 569 | 520 | - | - | - | - | - | - |
| 16 to 19 years ............................................................................... | 388 | 361 | - | - | - | - | - | - |
| 20 to 24 years ................................................................................ | 85 | 80 | - | - | - | - | - | - |
| 25 years and over ............................................................................ | 96 | 80 | - | - | - | - | - | - |

[^22]NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
26. Unemployed persons by industry and sex

| Industry | Thousands of persons |  | Unemployment rates |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total |  | Total |  | Men |  | Women |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total, 16 years and over | 6,739 | 6,210 | 4.9 | 4.5 | 4.9 | 4.4 | 5.0 | 4.6 |
| Nonagricultural private wage and salary workers .................................... | 5,225 | 4,873 | 5.0 | 4.6 | 4.9 | 4.5 | 5.1 | 4.8 |
| Mining | $\begin{array}{r} 24 \\ 623 \end{array}$ |  | 3.8 | 3.2 | 3.7 | 3.4 | 4.1 | 1.8 |
| Construction ............................................................................... |  | $532$ | 9.0 | 7.5 | 9.2 | 7.7 | 6.9 | 5.9 |
| Manufacturing ................................................................................ | 885 | 816 | 4.2 | 3.9 | 3.5 | 3.3 | 5.5 | 5.2 |
| Durable goods ............................................................................. | 445 | 426 | 3.5 | 3.4 | 3.3 | 3.0 | 4.2 | 4.2 |
| Lumber and wood products | 47 | 43 | 5.9 | 5.2 | 5.7 | 5.3 | 7.0 | 4.8 |
| Funiture and fixtures. | 31 | 26 | 4.7 | 3.8 | 4.5 | 3.5 | 5.1 | 4.6 |
| Stone, clay, and glass products | 26 | 18 | 4.2 | 3.1 | 4.4 | 2.4 | 3.4 | 5.4 |
| Primary metal industries | 29 | 27 | 3.8 | 3.6 | 3.6 | 3.4 | 5.1 | 4.8 |
| Fabricated metal products | 42 | 49 | 3.1 | 3.5 | 2.9 | 3.4 | 3.7 | 3.7 |
| Machinery, except electrical | 77 | 78 | 3.0 | 3.1 | 2.7 | 2.9 | 3.7 | 3.8 |
| Electrical machinery, equipment, and supplies | 58 | 54 | 2.9 | 2.7 | 2.5 | 2.4 | 3.6 | 3.3 |
| Transportation equipment ...... | 77 | 72 | 3.3 | 3.0 | 3.1 | 2.6 | 3.8 | 4.4 |
| Automobiles | 49 | 47 | 3.7 | 3.4 | 3.6 | 3.0 | 4.0 | 4.9 |
| Other transportation equipment ................................................... | 28 | 25 | 2.7 | 2.4 | 2.5 | 2.1 | 3.5 | 3.5 |
| Professional and photographic equipment | 19 | 20 | 2.6 | 2.5 | 2.4 | 2.0 | 2.8 | 3.4 |
| Other durable goods industries ..................................................... | 38 | 38 | 5.4 | 5.6 | 3.6 | 4.2 | 8.0 | 7.5 |
| Nondurable goods | 440 | 390 | 5.1 | 4.7 | 4.0 | 3.7 | 6.7 | 6.2 |
| Food and kindred products | 133 | 111 | 7.4 | 6.4 | 5.5 | 5.2 | 10.9 | 8.6 |
| Textile mill products ...... | 31 | 29 | 4.6 | 4.7 | 3.0 | 3.7 | 6.8 | 5.9 |
| Apparel and other textile products | 92 | 76 | 9.1 | 8.8 | 7.0 | 6.0 | 10.0 | 10.1 |
| Paper and allied products .............................................................. | 23 | 18 | 3.2 | 2.6 | 3.3 | 2.4 | 3.2 | 3.3 |
| Printing and publishing ....... | 69 | 67 | 3.8 | 3.8 | 3.9 | 3.5 | 3.7 | 4.2 |
| Chemicals and allied products | 38 | 34 | 2.8 | 2.5 | 2.6 | 2.1 | 3.1 | 3.3 |
| Rubber and miscellaneous plastics products .................................... | 40 | 38 | 4.3 | 3.8 | 3.6 | 3.1 | 5.9 | 5.5 |
| Other nondurable goods industries ................................................ | 16 | 16 | 4.2 | 4.6 | 3.2 | 4.0 | 6.1 | 5.9 |
| Transportation and public utilities ...................................................... | 260 | 254 | 3.5 | 3.4 | 3.4 | 3.3 | 3.8 | 3.5 |
| Transportation ....................... | 194 | 185 | 4.2 | 4.0 | 4.2 | 4.0 | 4.3 | 4.0 |
| Communications and other public utilities | 66 | 69 | 2.3 | 2.4 | 1.9 | 2.1 | 3.1 | 2.9 |
| Wholesale and retail trade | 1,645 | 1,493 | 6.2 | 5.5 | 5.6 | 5.1 | 6.9 | 6.0 |
| Wholesale trade | 176 | 185 | 3.7 | 3.7 | 3.2 | 3.4 | 4.8 | 4.6 |
| Retail trade .................................................................................. | 1,469 | 1,308 | 6.8 | 6.0 | 6.3 | 5.7 | 7.2 | 6.2 |
| Finance, insurance, and real estate | 229 | 197 | 3.0 | 2.5 | 3.0 | 2.3 | 3.0 | 2.6 |
| Service industries | 1,559 | 1,562 | 4.6 | 4.5 | 4.8 | 4.7 | 4.5 | 4.4 |
| Professional services | 589 | 593 | 2.9 | 2.9 | 2.7 | 2.5 | 3.1 | 3.1 |
| Other service industries | 970 | 968 | 7.1 | 6.9 | 6.6 | 6.5 | 7.6 | 7.3 |
| Agricultural wage and salary workers ................................................... | 190 | 180 | 9.1 | 8.3 | 9.1 | 7.9 | 9.1 | 9.3 |
| Government. self-employed, and unpaid famiy workers .......................... | 755 | 636 | 2.6 | 2.2 | 2.7 | 2.0 | 2.4 | 2.3 |
| No previous work experience ............................................................. | 569 | 520 | - | - | - | - | - | - |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 27. Unemployed persons by reason for unemployment, sex, and age

(Numbers in thousands)

| Reason | Total, 16 years and over |  | Men, 20 years and over |  | Women, 20 years and over |  | Both sexes, 16 to 19 years |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |
| Total unemployed | 6,739 | 6,210 | 2,882 | 2,580 | 2,585 | 2,424 | 1,271 | 1,205 |
| Job losers and persons who completed temporary jobs ......... | 3,037 | 2,822 | 1,795 | 1,588 | 1,069 | 1,053 | 174 | 181 |
| On temporary layoff ........................................................ | 931 | 866 | 567 | 483 | 304 | 322 | 60 | 61 |
| Not on temporary layoff .................................................. | 2,106 | 1,957 | 1,228 | 1,105 | 764 | 731 | 114 | 120 |
| Permanent job losers. | 1,436 | 1,353 | 833 | 763 | 541 | 527 | 63 | 64 |
| Persons who completed temporary jobs .......................... | 670 | 603 | 395 | 343 | 224 | 204 | 51 | 56 |
| Job leavers | 795 | 734 | 358 | 318 | 333 | 330 | 104 | 86 |
| Reentrants ..................................................................... | 2,338 | 2,132 | 675 | 611 | 1,057 | 944 | 606 | 577 |
| New entrants ................................................................. | 569 | 520 | 55 | 63 | 126 | 97 | 388 | 361 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 45.1 | 45.5 | 62.3 | 61.5 | 41.3 | 43.4 | 13.7 | 15.0 |
| On temporary layoff ....................................................... | 13.8 | 13.9 | 19.7 | 18.7 | 11.8 | 13.3 | 4.7 | 5.1 |
| Not on temporary layoff ................................................. | 31.3 | 31.5 | 42.6 | 42.8 | 29.6 | 30.2 | 9.0 | 10.0 |
| Job leavers | 11.8 | 11.8 | 12.4 | 12.3 | 12.9 | 13.6 | 8.2 | 7.2 |
| Reentrants ..................................................................... | 34.7 | 34.3 | 23.4 | 23.7 | 40.9 | 39.0 | 47.6 | 47.9 |
| New entrants ................................................................. | 8.4 | 8.4 | 1.9 | 2.4 | 4.9 | 4.0 | 30.5 | 30.0 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 2.2 | 2.1 | 2.6 | 2.3 | 1.8 | 1.8 | 2.2 | 2.2 |
| Job leavers .................................................................... | . 6 | . 5 | . 5 | . 5 | . 6 | . 6 | 1.3 | 1.0 |
| Reentrants ..................................................................... | 1.7 | 1.5 | 1.0 | . 9 | 1.8 | 1.6 | 7.6 | 7.0 |
| New entrants ................................................................. | . 4 | . 4 | . 1 | . 1 | . 2 | . 2 | 4.9 | 4.4 |

NOTE: Beginning in January 1998, data reflect new composite estimation
procedures and revised population controls used in the household survey.
28. Unemployed persons by reason for unemployment, race, and Hispanic origin
(Numbers in thousands)

| Reason for unemployment | Total |  | White |  | Black |  | Hispanic origin |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| NUMBER OF UNEMPLOYED |  |  |  |  |  |  |  |  |
| Total, 16 years and over .................................................. | 6,739 | 6,210 | 4,836 | 4,484 | 1,560 | 1,426 | 1,069 | 1,026 |
| Job losers and persons who completed temporary jobs .......... | 3,037 | 2,822 | 2,284 | 2,116 | 616 | 585 | 500 | 471 |
| On temporary layoff ........................................................ | 931 | 866 | 778 | 716 | 121 | 116 | 158 | 146 |
| Not on temporary layoff ............................................. | 2,106 | 1,957 | 1,506 | 1,399 | 495 | 469 | 343 | 325 |
| Permanent job losers ... | 1,436 | 1,353 | 1,063 | 988 | 298 | 300 | 207 | 206 |
| Persons who completed temporary jobs .......................... | 670 | 603 | 443 | 412 | 197 | 170 | 135 | 119 |
| Job leavers ...................................................................... | 795 | 734 | 623 | 568 | 138 | 133 | 96 | 95 |
| Reentrants | 2,338 | 2,132 | 1,576 | 1,467 | 634 | 558 | 350 | 346 |
| New entrants ................................................................. | 569 | 520 | 354 | 333 | 172 | 151 | 122 | 113 |
| PERCENT DISTRIBUTION |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 45.1 | 45.5 | 47.2 | 47.2 | 39.5 | 41.0 | 46.8 | 46.0 |
| On temporary layoff ....................................................... | 13.8 | 13.9 | 16.1 | 16.0 | 7.8 | 8.1 | 14.8 | 14.3 |
| Not on temporary layoff ................................................. | 31.3 | 31.5 | 31.1 | 31.2 | 31.7 | 32.9 | 32.0 | 31.7 |
| Job leavers .................................................................... | 11.8 | 11.8 | 12.9 | 12.7 | 8.8 | 9.3 | 9.0 | 9.3 |
| Reentrants .................................................................... | 34.7 | 34.3 | 32.6 | 32.7 | 40.7 | 39.1 | 32.7 | 33.7 |
| New entrants | 8.4 | 8.4 | 7.3 | 7.4 | 11.0 | 10.6 | 11.4 | 11.0 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE |  |  |  |  |  |  |  |  |
| Job losers and persons who completed temporary jobs ......... | 2.2 | 2.1 | 2.0 | 1.8 | 4.0 | 3.7 | 3.6 | 3.3 |
| Job leavers .................................................................... | . 6 | . 5 | . 5 | . 5 | . 9 | . 8 | . 7 | . 7 |
| Reentrants .................................................................... | 1.7 | 1.5 | 1.4 | 1.3 | 4.1 | 3.5 | 2.5 | 2.4 |
| New entrants ................................................................. | . 4 | . 4 | . 3 | . 3 | 1.1 | . 9 | . 9 | . 8 |

NOTE: Detail tor 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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 29. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

| Reason, sex, and age | 1998 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total unemployed |  | Duration of unemployment |  |  |  |  |
|  | Thousands of persons | Percent | Less than 5 weeks | 5 to 14 weeks | 15 weeks and over |  |  |
|  |  |  |  |  | Total | 15 to 26 weeks | 27 weeks and over |
| Total, 16 years and over ...................................................... | 6,210 | 100.0 | 42.2 | 31.4 | 26.4 | 12.3 | 14.1 |
| Job losers and persons who completed temporary jobs ............... | 2,822 | 100.0 | 42.4 | 31.9 | 25.7 | 13.3 | 12.4 |
| On temporary layoff ............................................................ | 866 | 100.0 | 58.3 | 28.5 | 13.2 | 8.7 | 4.5 |
| Not on temporary layoff ........................................................ | 1,957 | 100.0 | 35.4 | 33.4 | 31.2 | 15.3 | 15.9 |
| Permanent job losers ......................................................... | 1,353 | 100.0 | 33.0 | 33.3 | 33.7 | 16.7 | 17.0 |
| Persons who completed temporary jobs ................................ | 603 | 100.0 | 40.7 | 33.6 | 25.7 | 12.1 | 13.6 |
| Job leavers ........................................................................ | 734 | 100.0 | 49.4 | 31.0 | 19.6 | 9.8 | 9.8 |
| Reentrants .......................................................................... | 2,132 | 100.0 | 40.3 | 30.2 | 29.5 | 12.3 | 17.2 |
| New entrants ........................................................................ | 520 | 100.0 | 39.0 | 34.2 | 26.8 | 10.5 | 16.3 |
| Men, 20 years and over ...................................................... | 2,580 | 100.0 | 38.8 | 30.8 | 30.5 | 13.2 | 17.3 |
| Job losers and persons who completed temporary jobs ............... | 1,588 | 100.0 | 39.9 | 32.1 | 28.1 | 13.6 | 14.5 |
| On temporary layoff ............................................................. | 483 | 100.0 | 55.3 | 30.2 | 14.5 | 9.8 | 4.8 |
| Not on temporary layoff ........................................................ | 1,105 | 100.0 | 33.1 | 32.9 | 34.0 | 15.3 | 18.7 |
| Permanent job losers ......................................................... | 763 | 100.0 | 31.6 | 32.1 | 36.3 | 16.6 | 19.7 |
| Persons who completed temporary jobs ............................... | 343 | 100.0 | 36.6 | 34.5 | 28.9 | 12.5 | 16.4 |
| Job leavers ......................................................................... | 318 | 100.0 | 44.7 | 31.5 | 23.8 | 10.9 | 12.9 |
| Reentrants | 611 | 100.0 | 34.7 | 26.9 | 38.5 | 13.4 | 25.0 |
| New entrants ....................................................................... | 63 | 100.0 | 20.5 | 32.3 | 47.3 | 10.9 | 36.4 |
| Women, 20 years and over ................................................ | 2,424 | 100.0 | 41.5 | 31.2 | 27.3 | 13.3 | 14.0 |
| Job losers and persons who completed temporary jobs .............. | 1,053 | 100.0 | 42.5 | 32.2 | 25.3 | 14.2 | 11.1 |
| On temporary layoff ............................................................. | 322 | 100.0 | 58.6 | 28.4 | 13.0 | 8.2 | 4.8 |
| Not on temporary layoff ........................................................... | 731 | 100.0 | 35.3 | 33.9 | 30.8 | 16.9 | 13.9 |
| Permanent job losers ......................................................... | 527 | 100.0 | 32.1 | 34.9 | 33.0 | 18.4 | 14.7 |
| Persons who completed temporary jobs ............................... | 204 | 100.0 | 43.7 | 31.3 | 24.9 | 13.0 | 11.9 |
| Job leavers | 330 | 100.0 | 49.6 | 30.9 | 19.5 | 10.2 | 9.3 |
| Reentrants .......................................................................... | 944 | 100.0 | 38.6 | 30.3 | 31.1 | 13.3 | 17.8 |
| New entrants ....................................................................... | 97 | 100.0 | 31.1 | 30.6 | 38.2 | 13.6 | 24.6 |
| Both sexes, 16 to 19 years ................................................ | 1,205 | 100.0 | 51.2 | 33.2 | 15.7 | 8.3 | 7.3 |
| Job losers and persons who completed temporary jobs ............... | 181 | 100.0 | 64.0 | 29.0 | 7.0 | 4.8 | 2.2 |
| On temporary layoff ............................................................. | 61 | 100.0 | 80.1 | 15.5 | 4.4 | 3.6 | . 7 |
| Not on temporary layoff ...................................................... | 120 | 100.0 | 55.8 | 35.8 | 8.4 | 5.4 | 3.0 |
| Permanent job losers ......................................................... | 64 | 100.0 | 57.0 | 34.7 | 8.3 | 4.9 | 3.4 |
| Persons who completed temporary jobs ............................... | 56 | 100.0 | 54.5 | 37.1 | 8.4 | 5.9 | 2.5 |
| Job leavers .......................................................................... | 86 | 100.0 | 66.0 | 29.7 | 4.2 | 3.6 | . 6 |
| Reentrants ......................................................................... | 577 | 100.0 | 49.1 | 33.6 | 17.3 | 9.4 | 7.9 |
| New entrants ....................................................................... | 361 | 100.0 | 44.4 | 35.4 | 20.2 | 9.5 | 10.6 |

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 30. Unemployed total and full-time workers by duration of unemployment

| Duration of unemployment | Total |  |  |  | Full-time workers |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Percent distribution |  | Thousands of persons |  | Percent distribution |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total, 16 years and over ............................... | 6,739 | 6,210 | 100.0 | 100.0 | 5,395 | 4,916 | 100.0 | 100.0 |
| Less than 5 weeks .......................................... | 2,538 | 2,622 | 37.7 | 42.2 | 1,862 | 1,909 | 34.5 | 38.8 |
| 5 to 14 weeks ................................................ | 2,138 | 1,950 | 31.7 | 31.4 | 1,713 | 1,574 | 31.8 | 32.0 |
| 5 to 10 weeks | 1,474 | 1,375 | 21.9 | 22.1 | 1,156 | 1,093 | 21.4 | 22.2 |
| 11 to 14 weeks ............................................ | 664 | 575 | 9.9 | 9.3 | 557 | 481 | 10.3 | 9.8 |
| 15 weeks and over | 2,062 | 1,637 | 30.6 | 26.4 | 1,820 | 1,433 | 33.7 | 29.1 |
| 15 to 26 weeks ... | 995 | 763 | 14.8 | 12.3 | 864 | 662 | 16.0 | 13.5 |
| 27 weeks and over ....................................... | 1,067 | 875 | 15.8 | 14.1 | 956 | 771 | 17.7 | 15.7 |
| 27 to 51 weeks ........................................... | 479 | 379 | 7.1 | 6.1 | 428 | 340 | 7.9 | 6.9 |
| 52 weeks and over ...................................... | 589 | 496 | 8.7 | 8.0 | 528 | 431 | 9.8 | 8.8 |
| Average (mean) duration, in weeks .................... | 15.8 | 14.5 | - | - | 17.1 | 15.6 | - | - |
| Median duration, in weeks ................................ | 8.0 | 6.7 | - | - | 8.9 | 7.6 | - | - |

[^23]HOUSEHOLD DATA
ANNUAL AVERAGES
31. Unemployed persons by selected demographic characteristics and duration of unemployment

| Characteristic | 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  |  |  |  | Weeks |  |
|  | Total | Less than 5 weeks | 5 to 14 weeks | 15 weeks and over |  |  | Average (mean) duration | Median duration |
|  |  |  |  | Total | 15 to 26 weeks | 27 weeks and over |  |  |
| TOTAL |  |  |  |  |  |  |  |  |
| Total, 16 years and over ......................... | 6,210 | 2,622 | 1,950 | 1,637 | 763 | 875 | 14.5 | 6.7 |
| 16 to 19 years | 1,205 | 616 | 400 | 189 | 100 | 88 | 9.5 | 4.4 |
| 20 to 24 years ....................................................... | 1,081 | 496 | 347 | 238 | 118 | 120 | 12.3 | 5.6 |
| 25 to 34 years ....................................................... | 1.419 | 578 | 458 | 383 | 184 | 199 | 14.4 | 7.1 |
| 35 to 44 years | 1,258 | 484 | 384 | 390 | 175 | 216 | 16.4 | 7.9 |
| 45 to 54 years | 782 | 278 | 239 | 265 | 120 | 146 | 17.9 | 8.7 |
| 55 to 64 years | 343 | 117 | 94 | 131 | 51 | 81 | 22.7 | 9.8 |
| 65 years and over ................................................. | 122 | 53 | 29 | 40 | 15 | 25 | 19.2 | 6.7 |
| Men, 16 years and over. | 3,266 | 1,342 | 1,029 | 895 | 398 | 496 | 15.2 | 7.0 |
| 16 to 19 years | 686 | 342 | 236 | 108 | 58 | 50 | 9.6 | 4.5 |
| 20 to 24 years .................................................... | 583 | 253 | 193 | 137 | 63 | 73 | 13.5 | 6.2 |
| 25 to 34 years | 699 | 284 | 224 | 192 | 86 | 106 | 15.0 | 7.3 |
| 35 to 44 years | 609 | 227 | 182 | 200 | 83 | 117 | 17.6 | 8.3 |
| 45 to 54 years | 420 | 138 | 126 | 156 | 69 | 87 | 19.4 | 9.6 |
| 55 to 64 years | 201 | 70 | 53 | 78 | 30 | 49 | 22.6 | 10.1 |
| 65 years and over | 69 | 29 | 16 | 23 | 9 | 15 | 19.2 | 7.4 |
| Women, 16 years and over ................................... | 2,944 | 1,280 | 921 | 743 | 364 | 378 | 13.7 | 6.3 |
| 16 to 19 years | 519 | 275 | 164 | 81 | 42 | 39 | 9.3 | 4.2 |
| 20 to 24 years | 498 | 243 | 154 | 101 | 55 | 47 | 11.0 | 4.9 |
| 25 to 34 years | 720 | 294 | 234 | 191 | 98 | 93 | 13.8 | 7.0 |
| 35 to 44 years ....................................................... | 650 | 257 | 202 | 190 | 92 | 99 | 15.3 | 7.5 |
| 45 to 54 years | 362 | 140 | 113 | 109 | 51 | 59 | 16.2 | 7.7 |
| 55 to 64 years ... | 141 | 47 | 41 | 53 | 21 | 32 | 22.8 | 9.4 |
| 65 years and over | 53 | 23 | 13 | 17 | 7 | 10 | 19.2 | 6.3 |
| Race and Hispanic origin |  |  |  |  |  |  |  |  |
| White, 16 years and over | 4,484 | 2,021 | 1,395 | 1,068 | 526 | 541 | 13.1 | 5.8 |
| Men .................................................................... | 2,431 | 1,057 | 757 | 616 | 290 | 326 | 13.9 | 6.3 |
| Women ............................................................... | 2,053 | 964 | 637 | 451 | 236 | 216 | 12.1 | 5.3 |
| Black, 16 years and over | 1,426 | 477 | 466 | 483 | 198 | 285 | 18.4 | 9.2 |
| Men .................................................................... | 671 | 221 | 224 | 226 | 85 | 140 | 19.0 | 9.1 |
| Women | 756 | 256 | 242 | 257 | 112 | 145 | 17.9 | 9.2 |
| Hispanic origin, 16 years and over .......................... | 1,026 | 435 | 319 | 272 | 127 | 145 | 14.3 | 6.7 |
| Men | 552 | 228 | 179 | 146 | 68 | 78 | 14.4 | 7.0 |
| Women | 473 | 207 | 141 | 126 | 59 | 67 | 14.1 | 6.3 |
| Marital status |  |  |  |  |  |  |  |  |
| Men, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present ......................................... | 1,034 | 386 | 323 | 324 | 146 | 178 | 16.7 | 8.2 |
| Widowed, divorced, or separated ............................. | 435 | 175 | 119 | 141 | 61 | 80 | 18.0 | 7.9 |
| Single (never married) ........................................... | 1,798 | 781 | 587 | 429 | 192 | 238 | 13.7 | 6.2 |
| Women, 16 years and over: |  |  |  |  |  |  |  |  |
| Married, spouse present ......................................... | 985 | 444 | 298 | 242 | 127 | 115 | 13.0 | 5.9 |
| Widowed, divorced, or separated ............................ | 628 | 232 | 205 | 190 | 87 | 103 | 17.0 | 8.0 |
| Single (never married) .................................. | 1,332 | 603 | 417 | 311 | 150 | 160 | 12.7 | 5.8 |

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. Beginning in

January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
32. Unemployed persons by occupation, industry, and duration of unemployment

| Occupation and industry | 1998 |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  |  |  |  |  | Weeks |  |
|  | Total |  | 5 to 14 weeks | 15 weeks and over |  |  | Average (mean) duration | Median duration |
|  |  |  |  | Total | 15 to 26 weeks | 27 weeks and over |  |  |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Managerial and professional specialty | 722 | 297 | 214 | 211 | 99 | 112 | 15.8 | 7.2 |
| Technical, sales, and administrative support ............................. | 1,550 | 668 | 490 | 393 | 186 | 206 | 13.9 | 6.5 |
| Service occupations ............................................................. | 1,216 | 527 | 370 | 320 | 143 | 177 | 14.6 | 6.3 |
| Precision production, craft, and repair ..................................... | 630 | 280 | 189 | 161 | 77 | 84 | 13.9 | 6.1 |
| Operators, fabricators, and laborers .......................................... | 1,304 | 536 | 427 | 341 | 164 | 177 | 14.3 | 7.0 |
| Farming, forestry, and fishing ................................................ | 244 | 103 | 78 | 63 | 36 | 27 | 13.1 | 6.7 |
| INDUSTRY ${ }^{1}$ |  |  |  |  |  |  |  |  |
| Agriculture | 180 | 75 | 61 | 44 | 24 | 20 | 13.0 | 7.0 |
| Construction ...................................................................... | 544 | 233 | 177 | 134 | 68 | 66 | 13.7 | 6.5 |
| Manufacturing .................................................................... | 818 | 331 | 258 | 230 | 117 | 113 | 14.5 | 7.3 |
| Durable goods .................................................................. | 427 | 180 | 132 | 115 | 57 | 58 | 14.3 | 6.9 |
| Nondurable goods | 391 | 150 | 125 | 115 | 59 | 56 | 14.7 | 7.8 |
| Transportation and public utilities ........................................... | 281 | 114 | 86 | 80 | 31 | 49 | 16.1 | 7.0 |
| Wholesale and retail trade ..................................................... | 1,500 | 666 | 475 | 359 | 168 | 191 | 13.3 | 6.1 |
| Finance, insurance, and real estate ........................................ | 204 | 72 | 69 | 63 | 28 | 34 | 16.3 | 8.2 |
| Services ............................................................................. | 1,802 | 779 | 553 | 470 | 222 | 248 | 14.4 | 6.5 |
| Public administration | 107 | 39 | 25 | 44 | 16 | 27 | 21.3 | 10.0 |
| No previous work experience ................................................ | 520 | 203 | 178 | 140 | 54 | 85 | 15.7 | 7.2 |

[^24]procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

 ANNUAL AVERAGES33. Unemployed jobseekers by sex, age, race, and active jobsearch methods used
(Numbers in thousands)

| Sex, age, and race | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Methods used as a percent of total jobseekers |  |  |  |  |  |  | Average number of methods used |
|  | Total unemployed | Total jobseekers | Employer directly | Sent out resumes or filled out applications | ```Placed or answered ads``` | Friends or relatives | Public employment agency | Private employment agency | Other |  |
| Total, 16 years and over ................ | 6,210 | 5,344 | 64.6 | 48.6 | 15.9 | 14.8 | 19.2 | 6.9 | 8.8 | 1.79 |
| 16 to 19 years ............................... | 1,205 | 1,144 | 62.7 | 54.2 | 9.8 | 10.8 | 8.9 | 2.4 | 5.6 | 1.55 |
| 20 to 24 years ............................... | 1,081 | 989 | 65.9 | 48.0 | 15.3 | 13.9 | 18.8 | 7.3 | 8.0 | 1.78 |
| 25 to 34 years ............................... | 1,419 | 1,204 | 65.8 | 47.8 | 18.0 | 16.5 | 22.7 | 7.8 | 9.6 | 1.89 |
| 35 to 44 years ............................... | 1,258 | 1,035 | 65.9 | 47.1 | 18.5 | 15.6 | 24.2 | 8.7 | 9.1 | 1.90 |
| 45 to 54 years ............................... | 782 | 619 | 64.5 | 48.2 | 18.6 | 17.8 | 23.8 | 10.4 | 11.1 | 1.95 |
| 55 to 64 years ............................... | 343 | 264 | 62.2 | 42.0 | 19.6 | 17.5 | 21.0 | 7.7 | 13.7 | 1.84 |
| 65 years and over ........................... | 122 | 89 | 53.8 | 32.4 | 13.4 | 14.4 | 11.0 | 2.9 | 15.3 | 1.44 |
| Men, 16 years and over ................ | 3,266 | 2,748 | 65.6 | 46.7 | 15.8 | 16.3 | 19.2 | 6.9 | 9.4 | 1.80 |
| 16 to 19 years ............................... | 686 | 650 | 62.6 | 52.9 | 9.3 | 12.0 | 8.5 | 2.5 | 5.1 | 1.53 |
| 20 to 24 years ............................... | 583 | 522 | 66.5 | 44.7 | 15.0 | 15.5 | 18.4 | 7.2 | 7.9 | 1.76 |
| 25 to 34 years ............................... | 699 | 559 | 67.7 | 45.5 | 18.1 | 18.6 | 23.3 | 7.3 | 10.2 | 1.91 |
| 35 to 44 years ............................... | 609 | 481 | 69.2 | 45.3 | 18.7 | 17.6 | 25.6 | 8.9 | 10.0 | 1.96 |
| 45 to 54 years ............................... | 420 | 325 | 64.7 | 45.8 | 19.9 | 20.2 | 25.5 | 12.1 | 13.5 | 2.03 |
| 55 to 64 years ............................... | 201 | 159 | 62.7 | 42.2 | 19.9 | 16.9 | 22.6 | 7.8 | 15.4 | 1.88 |
| 65 years and over ......................... | 69 | 52 | 53.0 | 34.3 | 12.8 | 13.8 | 9.3 | 2.4 | 21.0 | 1.49 |
| Women, 16 years and over ........... | 2,944 | 2,596 | 63.6 | 50.6 | 16.1 | 13.2 | 19.1 | 6.9 | 8.2 | 1.78 |
| 16 to 19 years ............................... | 519 | 494 | 62.8 | 55.9 | 10.5 | 9.2 | 9.5 | 2.3 | 6.1 | 1.57 |
| 20 to 24 years ............................... | 498 | 467 | 65.2 | 51.8 | 15.7 | 12.0 | 19.3 | 7.4 | 8.1 | 1.80 |
| 25 to 34 years ............................... | 720 | 645 | 64.1 | 49.8 | 17.9 | 14.7 | 22.2 | 8.2 | 9.1 | 1.86 |
| 35 to 44 years ............................... | 650 | 554 | 63.1 | 48.7 | 18.3 | 13.8 | 22.9 | 8.5 | 8.3 | 1.84 |
| 45 to 54 years ................................ | 362 | 294 | 64.2 | 50.8 | 17.1 | 15.2 | 21.8 | 8.5 | 8.4 | 1.86 |
| 55 to 64 years ............................... | 141 | 106 | 61.4 | 41.6 | 19.1 | 18.3 | 18.5 | 7.6 | 11.2 | 1.78 |
| 65 years and over .......................... | 53 | 36 | 55.0 | 29.7 | 14.3 | 15.2 | 13.4 | 3.6 | 7.0 | 1.38 |
| White, 16 years and over ............... | 4,484 | 3,767 | 64.8 | 48.4 | 32.6 | 31.1 | 35.2 | 13.3 | 9.5 | 1.79 |
| Men ............................................. | 2,431 | 1,997 | 65.8 | 47.0 | 16.2 | 14.0 | 17.9 | 6.7 | 10.3 | 1.82 |
| Women ...................................... | 2,053 | 1,770 | 63.7 | 49.8 | 16.4 | 17.1 | 17.3 | 6.6 | 8.5 | 1.77 |
| Black, 16 years and over ............... | 1,426 | 1,311 | 64.5 | 49.9 | 29.2 | 24.5 | 47.9 | 14.8 | 6.7 | 1.79 |
| Men ............................................. | 671 | 604 | 65.6 | 46.6 | 14.1 | 13.5 | 24.5 | 7.3 | 6.5 | 1.78 |
| Women ........................................ | 756 | 706 | 63.5 | 52.7 | 15.1 | 11.0 | 23.4 | 7.5 | 6.9 | 1.80 |

NOTE: The jobseekers total is less than the total unemployed because it does not include persons on temporary layoff. The percent using each method will always total more than 100 because many jobseekers use more than one
method. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey

## 34. Unemployed jobseekers by sex, reason for unemployment, and active jobsearch methods used

| Sex and reason | 1998 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Thousands of persons |  | Methods used as a percent of total jobseekers |  |  |  |  |  |  | Average number ? methods used |
|  | Total unemployed | Total jobseakers | Employer directly | Sent out resumes or filled out applications | ```Placed or answered ads``` | Friends or relatives | Public employment agency | Private employment agency | Other |  |
| Total, 16 years and over | 6,210 | 5,344 | 64.6 | 48.6 | 15.9 | 14.8 | 19.2 | 6.9 | 8.8 | 1.79 |
| Job losers and persons who completed temporary jobs ${ }^{1}$......... | 2,822 | 1,957 | 68.0 | 47.1 | 19.7 | 17.5 | 25.2 | 9.5 | 10.0 | 1.98 |
| Job leavers .................................................................... | 734 | 734 | 67.9 | 51.2 | 18.8 | 13.4 | 20.2 | 7.7 | 7.8 | 1.87 |
| Reentrants | 2,132 | 2,132 | 61.1 | 48.2 | 13.1 | 13.0 | 15.6 | 5.4 | 8.8 | 1.65 |
| New entrants .................................................................. | 520 | 520 | 61.7 | 51.8 | 9.4 | 14.0 | 9.8 | 2.4 | 6.2 | 1.56 |
| Men, 16 years and over ................................................... | 3,266 | 2,748 | 65.6 | 46.7 | 15.8 | 16.3 | 19.2 | 6.9 | 9.4 | 1.80 |
| Job losers and persons who completed temporary jobs ${ }^{1}$......... | 1,703 | 1,185 | 69.4 | 44.9 | 19.1 | 18.7 | 24.6 | 9.4 | 10.6 | 1.97 |
| Job leavers ..................................................................... | 368 | 368 | 68.6 | 49.7 | 18.4 | 15.0 | 19.7 | 7.1 | 7.9 | 1.87 |
| Reentrants ...................................................................... | 931 | 931 | 60.7 | 46.0 | 12.4 | 14.3 | 15.1 | 4.9 | 9.7 | 1.64 |
| New entrants ................................................................. | 264 | 264 | 61.6 | 53.0 | 8.9 | 14.2 | 8.7 | 2.7 | 5.7 | 1.55 |
| Women, 16 years and over ............................................. | 2,944 | 2,596 | 63.6 | 50.6 | 16.1 | 13.2 | 19.1 | 6.9 | 8.2 | 1.78 |
| Job losers and persons who completed temporary jobs ${ }^{1}$......... | 1,119 | 772 | 65.9 | 50.6 | 20.6 | 15.7 | 26.0 | 9.7 | 9.1 | 1.98 |
| Job leavers ..................................................................... | 366 | 366 | 67.2 | 52.7 | 19.1 | 11.8 | 20.7 | 8.4 | 7.6 | 1.88 |
| Reentrants ..................................................................... | 1,201 | 1,201 | 61.4 | 49.9 | 13.6 | 11.9 | 15.9 | 5.8 | 8.1 | 1.67 |
| New entrants | 257 | 257 | 61.9 | 50.6 | 10.0 | 13.7 | 10.9 | 2.1 | 6.7 | 1.56 |

[^25]always total more than 100 because many jobseekers use more than one method. Beginning in January 1998, data reflect new composite estimation procedures ano revised population controls used in the household survey.
35. Persons not in the labor force by desire and availability for work, age, and sex
(In thousands)

| Category | Total |  | Age |  |  |  |  |  | Sex |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 16 to 24 years |  | 25 to 54 years |  | 55 years and over |  | Men |  | Women |  |
|  |  |  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total not in the labor force | 66,837 | 67,547 | 11,343 | 11,343 | 18,552 | 18,732 | 36,942 | 37,472 | 24,454 | 24,799 | 42,382 | 42,748 |
| Do not want a job now ${ }^{1}$ | 61,895 | 62,735 | 11,434 | 9,491 | 16,311 | 16,580 | 36,151 | 36,664 | 22,420 | 22,790 | 39,475 | 39,945 |
| Want a job ${ }^{1}$................. | 4,941 | 4,812 | 1,909 | 1,852 | 2,241 | 2,152 | 791 | 807 | 2,034 | 2,008 | 2,907 | 2,803 |
| Did not search for work in previous year ....................... | 2,857 | 2,859 | 1,034 | 1,011 | 1,245 | 1,240 | 579 | 608 | 1,118 | 1,134 | 1,739 | 1,725 |
| Searched for work in previous year ${ }^{2}$............................. | 2,084 | 1,953 | 875 | 841 | 997 | 912 | 212 | 200 | 917 | 875 | 1,168 | 1,078 |
| Not available to work now ......................................... | 669 | 643 | 346 | 332 | 289 | 275 | 34 | 36 | 257 | 250 | 412 | 392 |
| Available to work now ............................................... | 1.416 | 1,310 | 529 | 509 | 708 | 637 | 178 | 164 | 659 | 624 | 756 | 686 |
| Reason not currently looking: <br> Discouragement over job prospects ${ }^{3}$ | 343 | 331 | 107 | 108 | 184 | 170 | 52 | 53 | 200 | 198 | 143 | 133 |
| Reasons other than discouragement ....................... | 1,073 | 979 | 423 | 401 | 524 | 467 | 126 | 111 | 460 | 427 | 613 | 552 |
| Family responsibilities ........................................ | 139 | 143 | 26 | 37 | 97 | 93 | 16 | 13 | 21 | 23 | 117 | 120 |
| In school or training ............................................ | 235 | 206 | 188 | 173 | 45 | 32 | 2 | 1 | 113 | 105 | 121 | 102 |
| Ifl health or disability ........................................... | 116 | 104 | 17 | 14 | 71 | 69 | 28 | 21 | 52 | 52 | 64 | 52 |
| Other ${ }^{4}$.............................................................................................. | 583 | 525 | 191 | 177 | 311 | 273 | 81 | 75 | 273 | 247 | 311 | 278 |

1 Includes some persons who are not asked if they want a job.
2 Persons who had a job in the prior 12 months must have searched since the end of that job.

3 Includes believes no work available, could not find work, lacks necessary schooling or training, employer thinks too young or old, and other types of discrimination.

4 Includes those who did not actively look for work in the prior 4 weeks for such reasons as child-care and transportation problems, as well as a small number for which reason for nonparticipation was not ascertained.

NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 36. Multiple jobholders by selected demographic and economic characteristics

(Numbers in thousands)

| Characteristic | Both sexes |  |  |  | Men |  |  |  | Women |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number |  | Rate ${ }^{1}$ |  | Number |  | Rate ${ }^{1}$ |  | Number |  | Rate ${ }^{1}$ |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| AGE |  |  |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over ${ }^{2}$.............................................. | 7.955 | 7,926 | 6.1 | 6.0 | 4,237 | 4,178 | 6.1 | 5.9 | 3,718 | 3.748 | 6.2 | 6.2 |
| 16 to 19 years .............................................................. | 331 | 335 | 5.0 | 4.8 | 144 | 138 | 4.2 | 3.9 | 187 | 198 | 5.7 | 5.7 |
| 20 years and over ........................................................... | 7,625 | 7,590 | 6.2 | 6.1 | 4,094 | 4,040 | 6.2 | 6.0 | 3,531 | 3,550 | 6.2 | 0.2 |
| 20 to 24 years ............................................................... | 809 | 788 | 6.5 | 6.3 | 385 | 363 | 5.9 | 5.5 | 424 | 425 | 7.3 | ${ }^{\top} .2$ |
| 25 years and over .......................................................... | 6,816 | 6,802 | 6.2 | 6.1 | 3,708 | 3,677 | 6.2 | 6.1 | 3,107 | 3,126 | 6.1 | 6.1 |
| 25 to 54 years ............................................................... | 6,076 | 6,011 | 6.4 | 6.3 | 3,278 | 3,228 | 6.5 | 6.3 | 2,798 | 2,783 | 6.4 | 6.3 |
| 55 years and over ..................................................................... | 740 | 791 | 4.6 | 4.8 | 431 | 449 | 4.8 | 4.9 | 309 | 342 | 4.4 | 4.6 |
| 55 to 64 years ............................................................. | 625 | 682 | 5.1 | 5.3 | 356 | 378 | 5.3 | 5.4 | 268 | 303 | 4.8 | 5.2 |
| 65 years and over ....................................................... | 115 | 109 | 3.1 | 2.9 | 74 | 71 | 3.3 | 3.3 | 40 | 39 | 2.6 | 2.5 |
| RACE AND HISPANIC ORIGIN |  |  |  |  |  |  |  |  |  |  |  |  |
| White ........................................................................ | 6,909 | 6,832 | 6.3 | 6.2 | 3,693 | 3,622 | 6.2 | 6.0 | 3,216 | 3,210 | 6.4 | 6.4 |
| Black .............................................................................. | 758 | 802 | 5.4 | 5.5 | 388 | 406 | 5.9 | 5.9 | 370 | 396 | 5.0 | 5.2 |
| Hispanic origin .............................................................. | 494 | 503 | 3.9 | 3.8 | 305 | 299 | 3.9 | 3.7 | 190 | 204 | 3.8 | 3.9 |
| MARTIAL STATUS |  |  |  |  |  |  |  |  |  |  |  |  |
| Married, spouse present .................................................. | 4,434 | 4,414 | 5.9 | 5.8 | 2,675 | 2,664 | 6.3 | 6.2 | 1,758 | 1,750 | 5.4 | 5.5 |
| Widowed, divorced, or separated ...................................... | 1,388 | 1,385 | 6.8 | 6.7 | 495 | 498 | 6.0 | 5.8 | 893 | 887 | 7.4 | 7.3 |
| Single (never marnied) .................................................... | 2,133 | 2,127 | 6.3 | 6.1 | 1,067 | 1,016 | 5.7 | 5.3 | 1,067 | 1,110 | 7.1 | 7.0 |
| FULL- OR PART-TIME STATUS |  |  |  |  |  |  |  |  |  |  |  |  |
| Primary job full time, secondary job part time ...................... | 4,488 | 4,478 | - | - | 2,661 | 2,608 | - | - | 1,827 | 1,870 | - | - |
| Primary and secondary jobs both part time ........................ | 1,689 | 1,635 | - | - | 521 | 512 | - | - | 1,168 | 1,124 | - | - |
| Primary and secondary jobs both full time .......................... | 237 | 266 | - | - | 169 | 188 | - | - | 68 | 78 | - | - |
| Hours vary on primary or secondary job .............................. | 1,509 | 1,504 | - | - | 869 | 848 | - | - | 640 | 656 | - | - |

[^26]totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Beginning $\mathrm{ir}_{\text {: }}$ January 1998, data reflect new composite estimation procedures and reviseo population controls used in the household survey.

## 37. Median weekly earnings of full-time wage and salary workers by selected characteristics

| Characteristic | Number of workers (in thousands) |  | Median weekly earnings |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 |
| SEX AND AGE |  |  |  |  |
| Total, 16 years and over. | 93,578 | 95,595 | \$503 | \$523 |
| Men. 16 years and over ....................................................................... | 53,220 | 54,313 | 579 | 598 |
| 16 to 24 years.. | 6,174 | 6,325 | 317 | 334 |
| 25 years and over ............................................................................. | 47,046 | 47.988 | 615 | 639 |
| Women, 16 years and over ...................................................................... | 40,358 | 41,282 | 431 | 456 |
| 16 to 24 years ...................................................................................... | 4,522 | 4,721 | 292 | 305 |
| 25 years and over .................................................................................. | 35,836 | 36,561 | 462 | 485 |
| RACE, HISPANIC ORIGIN, AND SEX |  |  |  |  |
| White | 77,973 | 79,403 | 519 | 545 |
| Men . | 45,349 | 46,087 | 595 | 615 |
| Women | 32,624 | 33,316 | 444 | 468 |
| Black .................................................................................................... | 11,356 | 11,776 | 400 | 426 |
| Men . | 5,517 | 5,751 | 432 | 468 |
| Women | 5,839 | 6,025 | 375 | 400 |
| Hispanic origin ....................................................................................... | 9,996 | 10,532 | 351 | 370 |
| Men .................................................................................................... | 6,456 | 6,716 | 371 | 390 |
| Women ............................................................................................... | 3.540 | 3,816 | 318 | 337 |

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.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
38. Median weekly earnings of part-time wage and salary workers by selected characteristics

| Characteristic | Number of workers (in thousands) |  | Median weekly earnings |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | 1997 | 1998 |
| SEX AND AGE |  |  |  |  |
| Total, 16 years and over | 20,710 | 20,862 | \$149 | \$156 |
| Men, 16 years and over | 6,454 | 6,501 | 139 | 146 |
| 16 to 24 years ................................................................................. | 3,479 | 3,582 | 114 | 119 |
| 25 years and over | 2,975 | 2,919 | 183 | 197 |
| Women, 16 years and over | 14,256 | 14,361 | 153 | 161 |
| 16 to 24 years ....................................................................................... | 4,373 | 4,500 | 112 | 118 |
| 25 years and over ................................................................................ | 9,883 | 9,861 | 179 | 191 |
| RACE, HISPANIC ORIGIN, AND SEX |  |  |  |  |
| White ................................................................................................... | 17,915 | 17,886 | 150 | 157 |
| Men ..................................................................................................... | 5,462 | 5,470 | 138 | 146 |
| Women .............................................................................................. | 12,454 | 12,416 | 155 | 163 |
| Black ..................................................................................................... | 1,968 | 2,096 | 141 | 149 |
| Men ........................................................................................................ | 669 | 688 | 142 | 145 |
| Women .............................................................................................. | 1,299 | 1,408 | 140 | 151 |
| Hispanic origin ....................................................................................... | 1,877 | 1,828 | 144 | 154 |
| Men ................................................................................................... | 692 | 632 | 150 | 162 |
| Women ............................................................................................. | 1.184 | 1,196 | 140 | 150 |

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 incluged in both the white and black population groups.

Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex

(Numbers in thousands)

| Occupation | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both sexes |  | Men |  | Women |  |
|  | Number <br> of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Total, 16 years and over | 95,595 | \$523 | 54,313 | \$598 | 41,282 | \$456 |
| Managerial and professional specialty | 29,304 | 759 | 14,941 | 905 | 14,363 | 655 |
| Executive, administrative, and managerial | 14,451 | 755 | 7,746 | 915 | 6,705 | 626 |
| Administrators and officials, public administration | 588 | 823 | 302 | 957 | 286 | 663 |
| Adminístrators, protective services ............................................................................ | 54 | 883 | 42 | $\left({ }^{1}\right)$ | 13 | $\left({ }^{1}\right)$ |
| Financial managers ........................................................................................... | 652 | 852 | 316 | 1,017 | 336 | 703 |
| Personnel and labor relations managers | 152 | 823 | 55 | 947 | 97 | 747 |
| Purchasing managers .............................................................................................. | 136 | 817 | 80 | 965 | 56 | 724 |
| Managers, marketing, advertising, and public relations ................................................ | 741 | 960 | 458 | 1,128 | 283 | 759 |
| Administrators, education and related fields ................ | 637 | 877 | 259 | 1,111 | 378 | 730 |
| Managers, medicine and health | 626 | 716 | 134 | 869 | 492 | 679 |
| Managers, food serving and lodging establishments | 962 | 509 | 538 | 591 | 424 | 434 |
| Managers, properties and real estate . | 301 | 585 | 133 | 638 | 168 | 518 |
| Management-related occupations ..... | 3,818 | 660 | 1,580 | 790 | 2,238 | 602 |
| Accountants and auditors | 1,303 | 674 | 523 | 821 | 780 | 618 |
| Underwriters | 107 | 658 | 31 | $\left({ }^{1}\right)$ | 76 | 625 |
| Other financial officers | 642 | 703 | 295 | 901 | 347 | 591 |
| Management analysts | 216 | 841 | 121 | 964 | 95 | 752 |
| Personnel, training, and labor relations specialists | 431 | 630 | 135 | 755 | 295 | 601 |
| Buyers, wholesale and retail trade, except farm products | 162 | 612 | 85 | 647 | 77 | 590 |
| Construction inspectors ...................... | 63 | 742 | 57 | 760 | 6 | $(1)$ |
| Inspectors and compliance officers, except construction ................................................ | 220 | 741 | 145 | 756 | 74 | 714 |
| Professional specialty .................................................................................................. | 14,853 | 763 | 7,195 | 895 | 7,658 | 682 |
| Engineers, architects, and surveyors | 2,043 | 988 | 1,828 | 1,007 | 215 | 827 |
| Architects. | 102 | 872 | 87 | 893 | 15 | ( ${ }^{1}$ ) |
| Engineers | 1,930 | 992 | 1,730 | 1,011 | 200 | 831 |
| Aerospace engineers | 75 | 1,139 | 68 | 1,150 | 6 | (1) |
| Chemical engineers. | 68 | 1,023 | 56 | 1,041 | 12 | $\binom{1}{1}$ |
| Civil engineers ....... | 259 | 965 | 229 | 1,001 | 30 | ( ${ }^{1}$ ) |
| Electrical and electronic engineers | 605 | 1,059 | 554 | 1,067 | 51 | 931 |
| Industrial engineers ................ | 248 | 889 | 208 | 912 | 41 | $\binom{1}{1}$ |
| Mechanical engineers ............. | 313 | 998 | 296 | 1,007 | 18 | ( ${ }^{1}$ ) |
| Mathematical and computer scientists | 1,544 | 938 | 1,105 | 986 | 438 | 859 |
| Computer systems analysts and scientists | 1,281 | 952 | 941 | 996 | 341 | 890 |
| Operations and systems researchers and analysts | 208 | 874 | 127 | 937 | 81 | 750 |
| Natural scientists .......... | 470 | 828 | 318 | 908 | 152 | 732 |
| Chemists, except biochemists | 129 | 884 | 84 | 982 | 45 | $\binom{1}{1}$ |
| Biological and life scientists | 91 | 739 | 56 | 781 | 34 | $\binom{1}{1}$ |
| Medical scientists .......... | 80 | 755 | 41 | ( ${ }^{1}$ ) | 38 | $\left({ }^{1}\right)$ |
| Health diagnosing occupations | 549 | 1,134 | 367 | 1,227 | 181 | 948 |
| Physicians ....... | 474 | 1,156 | 321 | 1,255 | 153 | 966 |
| Health assessment and treating occupations | 2,102 | 738 | 363 | 791 | 1,739 | 730 |
| Registered nurses | 1.490 | 739 | 139 | 774 | 1,351 | 734 |
| Pharmacists ......... | 139 | 1,063 | 80 | 1,146 | 59 | 985 |
| Dietitians .. | 58 | 582 | 11 | (1) | 47 | $\left({ }^{1}\right)$ |
| Therapists. | 362 | 710 | 104 | 713 | 258 | 709 |
| Respiratory therapists | 83 | 618 | 37 | $\binom{1}{1}$ | 46 | $\left({ }^{1}\right)$ |
| Physical therapists | 87 | 906 | 26 | (1) | 61 | 887 |
| Speech therapists .. | 75 | 725 | 5 | (1) | 71 | 729 |
| Physicians' assistants | 53 | 611 | 30 | ( ${ }^{1}$ ) | 24 | $\left({ }^{1}\right)$ |
| Teachers, college and university | 578 | 907 | 366 | 998 | 211 | 769 |
| Teachers, except college and university | 3,974 | 671 | 1,022 | 746 | 2,952 | 644 |
| Teachers, prekindergarten and kindergarten | 412 | 397 | 8 | $\left({ }^{1}\right)$ | 404 | 398 |
| Teachers, elementary school ................................................................................... | 1,706 | 691 | 274 | 749 | 1,433 | 677 |
| Teachers, secondary school. | 1,121 | 736 | 490 | 773 | 631 | 698 |
| Teachers, special education | 318 | 701 | 58 | 733 | 259 | 693 |
| Counselors, educational and vocational | 192 | 695 | 61 | 725 | 131 | 689 |
| Librarians, archivists, and curators ............................................................................... | 177 | 656 | 31 | $\binom{1}{1}$ | 146 | 640 |
| Librarians .......... | 159 | 665 | 22 | (1) | 136 | 653 |
| Social scientists and urban planners | 286 | 758 | 145 | 878 | 141 | 661 |
| Economists ........................................................................................................... | 99 | 900 | 57 | 991 | 42 | (1) |
| Psychologists .......................................................................................................... | 143 | 679 | 65 | 740 | 78 | 621 |

See footnotes at end of tabie.
39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex - Continued
(Numbers in thousands)

| Occupation | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both sexes |  | Men |  | Women |  |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly eamings | Number of workers | Median weekly eamings |
| Information clerks | 1,328 | 367 | 142 | 453 | 1,186 | 363 |
| Interviewers ... | 113 | 399 | 15 | $\binom{1}{1}$ | 97 | 393 |
| Hotel clerks | 84 | 311 | 20 | $\left({ }^{1}\right)$ | 64 | 312 |
| Transportation ticket and reservation agents ........................................................... | 215 | 463 | 55 | 563 | 160 | 433 |
| Receptionists .................................................................................................... | 664 | 352 | 19 | ( ${ }^{1}$ ) | 645 | 351 |
| Records processing, except financial | 742 | 417 | 150 | 419 | 592 | 416 |
| Order clerks ........ | 217 | 451 | 57 | 455 | 160 | 450 |
| Personnel clerks, except payroll and timekeeping | 65 | 491 | 11 | $\binom{1}{1}$ | 54 | 487 |
| Library clerks ................................................. | 64 | 358 | 13 | $\binom{1}{1}$ | 51 | 349 |
| File clerks ..... | 209 | 368 | 40 | $\binom{1}{1}$ | 169 | 367 |
| Records clerks | 174 | 440 | 27 | $\left({ }^{1}\right)$ | 147 | 436 |
| Financial records processing | 1,485 | 429 | 134 | 466 | 1,351 | 426 |
| Bookkeepers, accounting, and auditing clerks | 1,078 | 428 | 91 | 455 | 987 | 426 |
| Payroll and timekeeping clerks ...................... | 130 | 476 | 13 | $\binom{1}{1}$ | 117 | 474 |
| Billing clerks .......................................................................................................... | 153 | 413 | 22 | (1) | 131 | 409 |
| Billing, posting, and calculating machine operators | 84 | 415 | 3 | (1) | 81 | 409 |
| Duplicating, mail and other office machine operators ..................................................... | 66 | 346 397 | 29 | $\binom{1}{1}$ | 36 | ( ${ }^{1}$ ) |
| Communications equipment operators.. | 144 | 397 | 29 | $\binom{1}{1}$ | 114 | 368 |
| Telephone operators ...................... | 128 | 399 | 19 | ( ${ }_{6}{ }^{1}$ | 109 | 372 |
| Mail and message distributing | 858 | 603 | 549 | 633 | 309 | 542 |
| Postal clerks, except mail carriers | 308 | 640 | 168 | 668 | 140 | 617 |
| Mail carriers, postal service | 316 | 681 | 230 | 699 | 87 | 613 |
| Mail clerks, except postal service | 138 | 372 | 75 | 443 | 63 | 332 |
| Messengers | 95 | 392 | 76 | 408 | 19 | ( ${ }^{1}$ ) |
| Material recording, scheduling, and distributing clerks | 1,717 | 446 | 980 | 476 | 738 | 414 |
| Dispatchers ................. | 218 | 479 | 113 | 516 | 105 | 403 |
| Production coordinators | 249 | 581 | 108 | 724 | 141 | 518 |
| Traffic, shipping, and receiving clerks | 562 | 408 | 398 | 416 | 164 | 385 |
| Stock and inventory clerks | 405 | 432 | 235 | 452 | 169 | 406 |
| Expediters ...................... | 192 | 403 | 66 | 477 | 126 | 373 |
| Adjusters and investigators | 1,572 | 470 | 411 | 567 | 1,161 | 445 |
| insurance adjusters, examiners, and investigators | 420 | 522 | 124 | 671 | 297 | 487 |
| Investigators and adjusters, except insurance | 881 | 455 | 220 | 522 | 661 | 431 |
| Eligibility clerks, social welfare ........... | 87 | 459 | 13 | $\left({ }^{1}\right)$ | 74 | 449 |
| Bill and account collectors ....... | 183 | 433 | 53 | 494 | 129 | 411 |
| Miscellaneous administrative support occupations | 2,568 | 401 | 457 | 482 | 2,111 | 389 |
| General office clerks | 526 | 400 | 104 | 453 | 422 | 392 |
| Bank tellers ........ | 291 | 330 | 25 | $\left({ }^{1}\right)$ | 265 | 329 |
| Data-entry keyers | 572 | 418 | 106 | 470 | 467 | 409 |
| Statistical clerks ... | 87 | 409 | 15 | (1) | 72 | 386 |
| Teachers' aides | 353 | 307 | 27 | ( ${ }^{1}$ | 326 | 304 |
| Service occupations | 10,592 | 327 | 5,291 | 389 | 5,301 | 296 |
| Private household .. | 381 | 223 | 19 | $\binom{1}{1}$ | 362 | 220 |
| Child care workers. | 136 | 204 | 4 | $\binom{1}{1}$ | 132 | 208 |
| Cleaners and servants ................................................................................................ | 236 | 235 | 11 | (1) | 225 | 227 |
| Protective services .. | 2,140 | 598 | 1,817 | 613 | 323 | 481 |
| Supervisors ...... | 215 | 771 | 198 | 786 | 18 | $\binom{1}{1}$ |
| Police and detectives | 117 | 853 | 105 | 864 | 11 | $\binom{1}{1}$ |
| Guards | 54 | 506 | 47 | (1) | 6 | (1) |
| Firefighting and fire prevention | 230 | 732 | 224 | 731 | 6 | $\binom{1}{1}$ |
| Firefighting ........................ | 210 | 734 | 205 | 731 | 5 | ( ${ }^{1}$ ) |
| Police and detectives. | 1,050 | 646 | 882 | 662 | 168 | 583 |
| Police and detectives, public service | 602 | 723 | 530 | 738 | 72 | 633 |
| Sheriffs, bailiffs, and other law enforcement officers ...................................................... | 164 | 594 | 137 | 595 | 27 | $\left({ }^{1}\right)$ |
| Correctional institution officers ...... | 284 | 557 | 215 | 571 | 69 | 509 |
| Guards ........ | 645 | 369 | 513 | 378 | 132 | 330 |
| Guards and police, except public service ................................................................... | 611 | 375 | 495 | 382 | 116 | 347 |
| Service occupations, except private household and protective ............................................. | 8,070 | 307 | 3,455 | 325 | 4,616 | 295 |
| Food preparation and service occupations .... | 3,032 | 288 | 1,581 | 303 | 1,451 | 271 |
| Supervisors ......................................................................................................... | 233 | 352 | 103 | 427 | 131 | 304 |
| Bartenders ........................................................................................................... | 178 | 336 | 83 | 379 | 96 | 293 |
| Waiters and waitresses ......................................................................................... | 575 | 300 | 159 | 343 | 416 | 282 |

See footnotes at end of table.
39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex - Continued
(Numbers in thousands)

| Jccupation | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both sexes |  | Men |  | Women |  |
|  | Number of workers | Median weekly eamings | Number of workers | Median weekly eamings | Number of workers | Median weekly eamings |
| Cooks, except short order | 1,250 | 289 | 831 | 305 | 419 | 259 |
| Food counter, fountain, and related occupations... | 100 | 242 | 40 | (1) | 59 | 241 |
| Kitchen workers, food preparation ...................... | 135 | 274 | 42 | (1) | 93 | 275 |
| Waiters' and waitresses' assistants ................................................................. | 233 | 267 | 119 | 268 | 115 | 265 |
| Miscellaneous food preparation occupations | 327 | 265 | 204 | 263 | 124 | 269 |
| Health service occupations | 1,718 | 318 | 218 | 342 | 1,500 | 315 |
| Dental assistants ... | 153 | 369 | 3 | (1) | 151 | 369 |
| Health aides, except nursing | 234 | 346 | 45 | (1) | 189 | 335 |
| Nursing aides, orderies, and attendants | 1,330 | 311 | 170 | 330 | 1,160 | 308 |
| Cleaning and building service occupations. | 2,234 | 319 | 1,378 | 358 | 856 | 288 |
| Supervisors . | 157 | 401 | 95 | 457 | 62 | 348 |
| Maids and housemen | 453 | 277 | 96 | 305 | 357 | 272 |
| Janitors and cleaners | 1.567 | 327 | 1,132 | 355 | 435 | 292 |
| Pest control. | 54 | 358 | 52 | 356 | 2 | (1) |
| Personal sevice occupations. | 1,086 | 311 | 278 | 368 | 809 | 301 |
| Supervisors .. | 65 | 503 | 32 | (1) | 33 | (1) |
| Hairdressers and cosmetologists | 289 111 | 313 | 31 |  | 259 |  |
| Attendants, amusement and recreation facilities ........ | 111 | 321 | 63 | 382 |  | (1) |
| Pubic transportation attendants ............................................. | 76 | 524 265 | 16 8 | (1) | 60 231 | 575 264 |
| Early childhood teachers' assistants .................................. | 239 | 265 |  |  | 231 | 264 |
| Precision production, cratt, and repair . | 11,691 | 572 | 10,741 | 587 | 949 | 408 |
| Mechanics and repairers | 4,081 | 597 | 3,926 | 599 | 155 | 519 |
| Supervisors. | 247 | 743 | 232 | 748 | 15 | (1) |
| Mechanics and repairers, except supervisors | 3,834 | 590 | 3,694 | 592 | 140 | 516 |
| Vehicle and mobile equipment mechanics and repairers ..... | 1,494 | 552 | 1.482 | 552 | 12 |  |
| Automobile mechanics | 653 | 493 | 652 | 494 | 2 | (1) |
| Bus, truck, and stationan' engine mechanics | 312 | 563 | 309 | 561 | 3 |  |
| Aircraft engine mechanics ...... | 140 | 780 | 136 | 782 | 4 | (1) |
| Automobile body and related repairers. | 134 | 510 | 134 | 510 |  |  |
| Heavy equipment mechanics | 159 | 636 | 159 | 636 |  |  |
| Industrial machinery repairers | 532 | 608 | 520 | 611 | 12 | (1) |
| Electrical and electronic equipment repairers | 764 | $\stackrel{665}{579}$ | 682 | 677 | 82 |  |
| Electronic repairers, communications and industrial equipment . | 160 | 579 | 148 | 590 | 11 | (1) |
| Data processing equipment repairers. | 224 | 641 | 189 | 657 | 36 |  |
| Telephone instailers and repairers..... | 225 | 750 | 194 | 762 | 30 3 |  |
| Miscellaneous electrical and electronic equipment repairers... | 81 | 644 | 77 | 629 | 3 | (1) |
| Heating, air conditioning, and refrigeration mechanics ........... | 246 | 594 | 244 | 594 | 1 |  |
| Miscellaneous mechanics and repairers ........................................................................ | 786 | 584 <br> 594 | 753 57 |  | 32 |  |
| Office machine repairers Millwrights ................ | 59 | 794 | ${ }_{83}$ | 759 | 1 | (1) |
| Millwrights ....................... | 4,054 4 | 712 543 | $\begin{array}{r}\text { 83 } \\ \hline 3,989\end{array}$ | 545 | 64 | 408 |
| Supervisors ...... | 481 | 708 | 477 | 709 | 4 | (1) |
| Construction trades, except supervisors . | 3,573 | 520 | 3,512 | 522 | 61 | 403 |
| Brickmasons and stonemasons | 125 | 573 | 123 | 573 | 2 | (1) |
| Carpet installers .............. | 68 | 476 | 68 | 476 |  |  |
| Carpenters ... | 920 | 490 | 909 | 491 | 10 |  |
| Drywall installers | 136 | 493 | 134 | 496 | $\stackrel{3}{16}$ |  |
| Electricians. | 717 | 643 | 701 | 642 | 16 | (1) |
| Electrical power installers and repairers. | 135 | 789 | 134 | 795 | 1 |  |
| Painters, construction and maintenance | 336 | 402 | 321 | 406 | 15 | (1) |
| Plumbers, pipefiters, steamfitters, and apprentices. | 428 | 593 | 422 | 595 | 5 | (1) |
| Concrete and terrazzo finishers. | 72 | 483 | 72 | 483 |  |  |
| Rooters | 172 | 441 | 171 | 443 | 1 | (1) |
| Structural metalworkers. | 54 | 583 | 54 | 583 |  |  |
| Extractive occupations. | 120 | 633 | 119 | 631 | 1 | (1) |
| Precision production occupations .... | 3,436 | 558 | 2,707 | 611 | 729 | 392 |
| Supenisors | 1,136 | 645 | 943 | 686 | 193 | 478 |
| Precision metalworking occupations ..................................................................... | 873 | 610 | 816 | 621 | 57 | 444 |
| Tool and die makers. | 130 | 784 | 129 | 786 | 1 | (1) |
| Machinists .............. | 508 | 594 | 475 | 601 | 33 | (1) |
| Sheet-metal workers ...................................................................................... | 116 | 584 | 112 | 591 | 4 | (1) |

See footnotes at end of table.
39. Median weekly earnings of full-time wage and salary workers by detailed occupation and sex - Continued
(Numbers in thousands)

| Occupation | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both sexes |  | Men |  | Women |  |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Precision woodworking occupations | 88 | 475 | 77 | 507 | 11 | (1) |
| Cabinet makers and bench carpenters | 60 | 531 | 55 | 552 | 4 | (1) |
| Precision textile, apparel, and furnishings machine workers | 122 | 387 | 80 | 394 | 42 | $\left({ }^{1}\right)$ |
| Precision workers, assorted materials .............................. | 489 | 402 | 203 | 501 | 285 | 361 |
| Optical goods workers | 65 | 412 | 26 | ( ${ }^{1}$ ) | 39 | ( ${ }^{1}$ ) |
| Electrical and electronic equipment assemblers | 319 | 381 | 101 | 472 | 218 | 357 |
| Precision food production occupations ............... | 333 | 401 | 238 | 422 | 95 | 344 |
| Butchers and meat cutters. | 199 | 416 | 164 | 456 | 35 | $(1)$ |
| Bakers | 97 | 352 | 60 | 375 | 37 | (1) |
| Precision inspectors, testers, and related workers | 139 | 623 | 103 | 676 | 37 | (1) |
| Inspectors, testers, and graders | 134 | 630 | 98 | 680 | 36 | $(1)$ |
| Plant and system operators ........... | 256 | 694 | 248 | 703 | 8 | (1) |
| Water and sewage treatment plant operators | 57 | 586 | 54 | 600 | 4 | (1) |
| Stationary engineers .................................................................................................. | 125 | 714 | 123 | 718 | 2 | (1) |
| Operators, fabricators, and laborers | 15,082 | 415 | 11,564 | 456 | 3,518 | 327 |
| Machine operators, assemblers, and inspectors | 6,987 | 406 | 4,482 | 472 | 2.505 | 328 |
| Machine operators and tenders, except precision | 4,452 | 399 | 2,866 | 461 | 1,586 | 320 |
| Metalworking and plastic working machine operators ..... | 389 | 475 | 323 | 496 | 66 | 387 |
| Punching and stamping press machine operators | 108 | 406 | 77 | 440 | 32 | $\binom{1}{1}$ |
| Grinding, abrading, buffing, and poiishing machine operators | 120 | 441 | 108 | 453 | 12 | $\binom{1}{1}$ |
| Metal and plastic processing machine operators ..................... | 160 | 446 | 127 | 468 | 33 | $\binom{1}{1}$ |
| Molding and casting machine operators | 102 | 430 | 77 | 448 | 25 | (1) |
| Woodworking machine operators. | 127 | 379 | 106 | 394 | 21 | (1) |
| Sawing machine operators | 81 | 366 | 70 | 375 | 11 | ( ${ }^{1}$ |
| Printing machine operators ... | 357 | 495 | 273 | 533 | 83 | 384 |
| Printing press operators | 279 | 490 | 233 | 514 | 46 | $\left({ }^{1}\right)$ |
| Textile, apparel, and fumishings machine operators | 784 | 293 | 215 | 318 | 569 | 285 |
| Textile sewing machine operators | 435 | 280 | 74 | 300 | 361 | 278 |
| Pressing machine operators ..... | 64 | 276 | 17 | ( ${ }^{1}$ ) | 47 | ( ${ }^{1}$ ) |
| Laundering and dry cleaning machine operators | 136 | 287 | 61 | 301 | 76 | 270 |
| Machine operators, assorted materials | 2,616 | 416 | 1,809 | 465 | 807 | 347 |
| Packaging and filling machine operators | 363 | 327 | 155 | 358 | 208 | 316 |
| Mixing and blending machine operators ..... | 119 | 455 | 112 | 459 | 7 | (1) |
| Painting and paint spraying machine operators | 189 | 413 | 166 | 422 | 24 | (1) |
| Fumace, kiln, and oven operators, exc. food | 77 | 554 | 75 | 558 | 2 | (1) |
| Slicing and cutting maciine operators. | 164 | 389 | 121 | 445 | 43 | (1) |
| Photographic process machine operators | 77 | 321 | 33 | $\left({ }^{1}\right)$ | 43 | $\left({ }^{1}\right)$ |
| Fabricators, assemblers, and hand working occupations. | 1,845 | 421 | 1,256 | 482 | 589 | 347 |
| Welders and cutters ....................................... | 550 | 518 | 519 | 527 | 30 | ( ${ }^{1}$ ) |
| Assemblers | 1,199 | 392 | 683 | 445 | 516 | 347 |
| Production inspectors, testers, samplers, and weighers | 690 | 412 | 360 | 517 | 330 | 336 |
| Production inspectors, checkers, and examiners . | 487 | 448 | 254 | 544 | 233 | 358 |
| Graders and sorters. except agricuitural ........... | 150 | 306 | 65 | 351 | 85 | 289 |
| Transportation and material moving occupations | 4,322 | 510 | 3,977 | 519 | 345 | 373 |
| Motor vehicle operators | 3,144 | 503 | 2,870 | 514 | 273 | 362 |
| Supervisors . | 79 | 595 | 61 | 625 | 18 | $\left({ }^{1}\right)$ |
| Truck drivers | 2,458 | 516 | 2,345 | 520 | 114 | 371 |
| Drivers--sales workers | 143 | 526 | 129 | 554 | 14 | $\left({ }^{1}\right)$ |
| Bus drivers ... | 273 | 428 | 160 | 476 | 112 | 352 |
| Taxicab drivers and chauffeurs | 162 | 379 | 150 | 386 | 12 | $\binom{1}{1}$ |
| Transportation occupations, except motor vehicles ......................................................... | 150 | 834 | 141 | 862 | 10 | $\binom{1}{1}$ |
| Rail transportation .............. | 101 | 849 | 93 | 888 | 8 | ( ${ }^{1}$ ) |
| Material moving equipment operators | 1,028 | 505 | 966 | 510 | 62 | 397 |
| Operating engineers ................ | 223 | 570 | 217 | 568 | 6 | $\binom{1}{1}$ |
| Crane and tower operators | 65 | 576 | 61 | 572 | 4 | $\left({ }^{1}\right)$ |
| Excavating and loading machine operators | 80 | 557 | 79 | 558 |  | - |
| Grader, dozer, and scraper operators ........ | 59 | 572 | 58 | 578 | 2 | (1) |
| Industrial truck and tractor equipment operators ........................ | 501 | 452 | 463 | 455 | 39 | ( ${ }^{1}$ ) |

See footnotes at end of table.

## household data

ANNUAL AVERAGES
39. Median weekly earnings of full-time wage and salary workers Dy detailed occupation and sex - Continued
(Numbers in thousands)

| Occupation | 1998 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Both sexes |  | Men |  | Women |  |
|  | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings | Number of workers | Median weekly earnings |
| Handlers, equipment cleaners, helpers, and laborers | 3,773 | 351 | 3,105 | 362 | 669 | 311 |
| Helpers, construction and extractive occupations ........................................................ | 112 | 341 | 110 | 340 | 1 | $\binom{1}{1}$ |
| Helpers, construction trades .................................................................................... | 108 | 335 | 106 | 334 | 1 | $\binom{1}{1}$ |
| Construction laborers ..................... | 729 | 390 | 706 | 393 | 23 | ( ${ }^{1}$ ) |
| Freight, stock, and material handlers | 1,192 | 339 | 956 | 350 | 236 | 312 |
| Stock handiers and baggers ..... | 563 | 300 | 406 | 304 | 157 | 291 |
| Machine feeders and offbearers | 66 | 363 | 46 | ( ${ }^{1}$ ) | 20 | $\binom{1}{1}$ |
| Garage and service station related occupations ............................................................. | 127 | 293 | 118 | 297 | 9 | $\binom{1}{1}$ |
| Vehicle washers and equipment cleaners ...................................................................... | 213 | 317 | 190 | 322 | 23 | (1) |
| Hand packers and packagers | 255 | 304 | 92 | 307 | 164 | 301 |
| Laborers, except construction | 1,055 | 373 | 853 | 384 | 202 | 331 |
| Farming, forestry, and fishing. | 1,555 | 302 | 1,337 | 307 | 218 | 272 |
| Farm operators and managers .................................................................................. | 69 | 424 | 59 | 475 | 10 | $\binom{1}{1}$ |
| Farm managers ....................................................................................................... | 63 | 459 | 53 | 486 | 9 | (1) |
| Other agricultural and related occupations ...................................................................... | 1,425 | 298 | 1,221 | 303 | 204 | 270 |
| Farm occupations. except managerial | 650 | 285 | 563 | 288 | 88 | 264 |
| Farm workers ........................... | 602 | 281 | 525 | 285 | 77 | 262 |
| Related agricultural occupations | 775 | 308 | 658 | 314 | 117 | 274 |
| Supervisors, related agricultural ...... | 63 | 469 | 59 | 479 | 4 | $(1)$ |
| Groundskeepers and gardeners, except farm | 598 | 306 | 569 | 306 | 29 | (1) |
| Anımal caretakers, except farm ................... | 51 | 300 | 13 | $\binom{1}{1}$ | 38 | $\left(\begin{array}{l}1 \\ \text { 1 }\end{array}\right.$ |
| Graders and sorters, agricultural products | 61 | 259 | 15 | $\left({ }^{1}\right)$ | 45 | ( ${ }^{1}$ |

1 Data not shown where base is less than 50,000 .
NOTE: Beginning in January 1998, data reflect new composite estimation

## 40. Union affiliation of employed wage and salary workers by selected characteristics

(Numbers in thousands)

| Characteristic | 1997 |  |  |  |  | 1998 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Members of unions ${ }^{1}$ |  | Represented by unions ${ }^{2}$ |  | Total employed | Members of unions ${ }^{1}$ |  | Represented by unions ${ }^{2}$ |  |
|  |  | Total | Percent of employed | Totai | Percent of employed |  | Total | Percent of employed | Total | Percent of em. ployed |
| SEX AND AGE |  |  |  |  |  |  |  |  |  |  |
| Total, 16 years and over | 114,533 | 16.110 | 14.1 | 17,923 | 15.6 | 116,730 | 16,211 | 13.9 | 17,918 | 15.4 |
| 16 to 24 years ....... | 18,571 | 968 | 5.2 | 1,140 | 6.1 | 19,164 | 1.014 | 5.3 | 1,151 | 6.0 |
| 25 years and over ........................................................... | 95,962 | 15,142 | 15.8 | 16,783 | 17.5 | 97,566 | 15,198 | 15.6 | 16,767 | 17.2 |
| 25 to 34 years ..................... ......................................... | 29,408 | 3,434 | 11.7 | 3.870 | 13.2 | 29,121 | 3,332 | 11.4 | 3,711 | 12.7 |
| 35 to 44 years | 31,461 | 4,987 | 15.9 | 5,571 | 17.7 | 31,865 | 5,013 | 15.7 | 5,511 | 17.3 |
| 45 to 54 years | 22,714 | 4,645 | 20.5 | 5,092 | 22.4 | 23,579 | 4,737 | 20.1 | 5,220 | 22.1 |
| 55 to 64 years. | 9,871 | 1,894 | 19.2 | 2,045 | 20.7 | 10,427 | 1,923 | 18.4 | 2,110 | 20.2 |
| 65 years and over ......................................................... | 2,509 | 182 | 7.3 | 205 | 8.2 | 2,574 | 193 | 7.5 | 214 | 8.3 |
| Men, 16 years and over ................................................... | 59,825 | 9,763 | 16.3 | 10,619 | 17.7 | 60,973 | 9,850 | 16.2 | 10,638 | 17.4 |
| 16 to 24 years ............................................................... | 9,666 | 612 | 6.3 | 691 | 7.1 | 9,927 | 637 | 6.4 | 719 | 7.2 |
| 25 years and over | 50,159 | 9,150 | 18.2 | 9,928 | 19.8 | 51,046 | 9,213 | 18.0 | 9,919 | 19.4 |
| 25 to 34 years | 15,832 | 2,132 | 13.5 | 2,359 | 14.9 | 15,656 | 2,112 | 13.5 | 2,301 | 14.7 |
| 35 to 44 years | 16,430 | 3.068 | 18.7 | 3,346 | 20.4 | 16,768 | 3,055 | 18.2 | 3,264 | 19.5 |
| 45 to 54 years ............................................................. | 11,471 | 2,718 | 23.7 | 2,908 | 25.4 | 11,874 | 2,771 | 23.3 | 2,982 | 25.1 |
| 55 to 64 years | 5,101 | 1,130 | 22.1 | 1,198 | 23.5 | 5,404 | 1,177 | 21.8 | 1,265 | 23.4 |
| 65 years and over ........................................................ | 1.324 | 103 | 7.8 | 118 | 8.9 | 1,343 | 98 | 7.3 | 108 | 8.0 |
| Women, 16 years and over | 54,708 | 6.347 | 11.6 | 7,304 | 13.4 | 55,757 | 6,362 | 11.4 | 7,280 | 13.1 |
| 16 to 24 years. | 8,906 | 355 | 4.0 | 449 | 5.0 | 9,237 | 377 | 4.1 | 432 | 4.7 |
| 25 years and over. | 45,802 | 5,992 | 13.1 | 6,855 | 15.0 | 46,520 | 5,985 | 12.9 | 6,848 | 14.7 |
| 25 to 34 years. | 13,575 | 1,302 | 9.6 | 1,512 | 11.1 | 13,464 | 1,219 | 9.1 | 1,410 | 10.5 |
| 35 to 44 years | 15,030 | 1,919 | 12.8 | 2,225 | 14.8 | 15,097 | 1,958 | 13.0 | 2,248 | 14.9 |
| 45 to 54 years | 11,242 | 1,927 | 17.1 | 2,184 | 19.4 | 11,705 | 1,967 | 16.8 | 2,238 | 19.1 |
| 55 to 64 years ... | 4,770 | 764 | 16.0 | 847 | 17.8 | 5,023 | 746 | 14.9 | 845 | 16.8 |
| 65 years and over ......................................................... | 1,184 | 80 | 6.7 | 87 | 7.3 | 1,231 | 95 | 7.7 | 106 | 8.6 |
| RACE, HISPANIC ORIGIN, AND SEX |  |  |  |  |  |  |  |  |  |  |
| White, 16 years and over ................................................. | 96,104 | 13,088 | 13.6 | 14,538 | 15.1 | 97,531 | 13,118 | 13.5 | 14,460 | 14.8 |
| Men | 50,941 | 8,171 | 16.0 | 8,859 | 17.4 | 51,700 | 8,166 | 15.8 | 8,788 | 17.0 |
| Women ....................................................................... | 45,163 | 4,917 | 10.9 | 5,679 | 12.6 | 45,831 | 4,952 | 10.8 | 5,673 | 12.4 |
| Black, 16 years and over | 13,346 | 2,394 | 17.9 | 2,688 | 20.1 | 13,894 | 2,460 | 17.7 | 2,739 | 19.7 |
| Men | 6,201 | 1,251 | 20.2 | 1,378 | 22.2 | 6,452 | 1,337 | 20.7 | 1,458 | 22.6 |
| Women | 7,145 | 1,143 | 16.0 | 1,309 | 18.3 | 7,443 | 1,123 | 15.1 | 1,282 | 17.2 |
| Hispanic origin, 16 years and over | 11,881 | 1,407 | 11.8 | 1,602 | 13.5 | 12,374 | 1,471 | 11.9 | 1,634 | 13.2 |
| Men | 7,153 | 904 | 12.6 | 1,023 | 14.3 | 7,360 | 937 | 12.7 | 1,017 | 13.8 |
| Women | 4,728 | 503 | 10.6 | 579 | 12.2 | 5,015 | 534 | 10.6 | 617 | 12.3 |
| FULL- OR PART-TIME STATUS ${ }^{3}$ |  |  |  |  |  |  |  |  |  |  |
| Full-time workers ............................................................ | 93,578 | 14,619 | 15.6 | 16,227 | 17.3 | 95,595 | 14,825 | 15.5 | 16,323 | 17.1 |
| Part-time workers | 20,710 | 1,449 | 7.0 | 1,653 | 8.0 | 20,862 | 1,354 | 6.5 | 1,559 | 7.5 |

${ }^{1}$ Data refer to members of a labor union or an employee association similar to a union.

2 Data refer to members of a labor union or an employee association similar to a union as weil as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.
3 The distinction between full- and part-time workers is based on hours usually worked. Beginning in 1994, these data will not sum to totals because full- or par-time status on the principal job is not identifiable for a small number of multiple jobholders.

NOTE: 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. 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. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

HOUSEHOLD DATA
ANNUAL AVERAGES
41. Median weekly earnings of full-time wage and salary workers by union affiliation and selected characteristics

| Characteristic | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Members of unions? | Represented by unions ${ }^{2}$ | Nonunion | Total | Members of unions ${ }^{1}$ | Represented by unions ${ }^{2}$ | Nonunoon |
| SEX AND AGE |  |  |  |  |  |  |  |  |
| Total, 16 years and over ..................................... | \$503 | \$640 | \$632 | \$478 | \$523 | \$659 | \$653 | \$499 |
| 16 to 24 years ............................................... | 306 | 385 | 384 | 302 | 319 | 415 | 410 | 315 |
| 25 years and over | 540 | 655 | 648 | 511 | 572 | 673 | 667 | 537 |
| 25 to 34 years ................................................. | 481 | 579 | 572 | 466 | 502 | 595 | 591 | 489 |
| 35 to 44 years ................................................ | 579 | 675 | 666 | 548 | 597 | 683 | 678 | 576 |
| 45 to 54 years .............................................. | 607 | 704 | 697 | 578 | 620 | 716 | 712 | 592 |
| 55 to 64 years | 558 | 661 | 657 | 512 | 592 | 697 | 692 | 560 |
| 65 years and over ............................................ | 393 | 614 | 609 | 374 | 405 | 610 | 597 | 383 |
| Men, 16 years and over ..................................... | 579 | 683 | 679 | 539 | 598 | 699 | 696 | 573 |
| 16 to 24 years... | 317 | 402 | 404 | 313 | 334 | 430 | 424 | 326 |
| 25 years and over ........................................... | 615 | 697 | 693 | 595 | 639 | 712 | 709 | 617 |
| 25 to 34 years ................................................ | 515 | 607 | 603 | 503 | 544 | 618 | 615 | 524 |
| 35 to 44 years........ | 651 | 712 | 708 | 630 | 677 | 722 | 719 | 660 |
| 45 to 54 years | 713 | 744 | 741 | 698 | 732 | 755 | 755 | 719 |
| 55 to 64 years ............................................... | 669 | 702 | 701 | 649 | 699 | 738 | 737 | 674 |
| 65 years and over ........................................... | 452 | 677 | 672 | 415 | 482 | 657 | 659 | 445 |
| Women, 16 years and over ................................ | 431 | 577 | 568 | 411 | 456 | 596 | 593 | 430 |
| 16 to 24 years ..... | 292 | 353 | 351 | 289 | 305 | 389 | 382 | 301 |
| 25 years and over | 462 | 587 | 581 | 437 | 485 | 605 | 602 | 463 |
| 25 to 34 years | 427 | 521 | 514 | 416 | 451 | 542 | 542 | 439 |
| 35 to 44 years ................................................ | 482 | 592 | 585 | 461 | 498 | 605 | 605 | 479 |
| 45 to 54 years. | 495 | 627 | 620 | 465 | 516 | 651 | 645 | 488 |
| 55 to 64 years | 433 | 582 | 575 | 408 | 476 | 602 | 596 | 448 |
| 65 years and over .......................................... | 348 | $\left({ }^{3}\right)$ | 586 | 324 | 350 | 548 | 522 | 329 |
| RACE, HISPANIC ORIGIN, AND SEX |  |  |  |  |  |  |  |  |
| White, 16 years and over ................................... | 519 | \$663 | 654 | 494 | 545 | 683 | 678 | 513 |
| Men. | 595 | 699 | 695 | 569 | 615 | 719 | 716 | 591 |
| Women | 444 | 595 | 587 | 421 | 468 | 610 | 607 | 443 |
| Black, 16 years and over ................................... | 400 | 533 | 523 | 371 | 426 | 578 | 572 | 398 |
| Men ........................................................... | 432 | 577 | 573 | 396 | 468 | 597 | 592 | 424 |
| Women | 375 | 504 | 496 | 349 | 400 | 537 | 533 | 376 |
| Hispanic origin, 16 years and over ...................... | 351 | 506 | 501 | 331 | 370 | 540 | 541 | 350 |
| Men ........................ | 371 | 538 | 526 | 348 | 390 | 585 | 584 | 367 |
| Women ....................................................... | 318 | 440 | 430 | 309 | 337 | 478 | 481 | 322 |

1 Data refer to members of a labor union or an employee association similar to a union.
2 Data 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.
3 Data not shown where base is less than 50,000 .
NOTE: Data refer to the sole or principal job of full-time workers. Excluded
are all self-employed workers regardless of whether or not their businesses are incorporated. 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. Beginning in January 1998, data reflect new composite estimation procedures and revised population population controls used in the household survey.

## 42. Union affiliation of employed wage and salary workers by occupation and industry

(Numbers in thousands)

| Occupation and industry | 1997 |  |  |  |  | 1998 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \text { Total } \\ & \text { em- } \\ & \text { ployed } \end{aligned}$ | 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 |  |  |  |  |  |  |  |  |  |  |
| Managerial and professional specialty | 31,946 | 4,208 | 13.2 | 4,951 | 15.5 | 33,102 | 4,252 | 12.8 | 5,015 | 15.2 |
| Executive, administrative, and managerial ......................... | 14,908 | 763 | 5.1 | 959 | 6.4 | 15,473 | 812 | 5.2 | 1,017 | 6.6 |
| Professional specialty ..................................................... | 17,037 | 3,445 | 20.2 | 3,992 | 23.4 | 17,629 | 3,440 | 19.5 | 3,998 | 22.7 |
| Technical, sales, and administrative support ......................... | 34,796 | 3,158 | 9.1 | 3,648 | 10.5 | 35,379 | 3,239 | 9.2 | 3,677 | 10.4 |
| Technicians and related support ...................................... | 4,111 | 427 | 10.4 | 501 | 12.2 | 4,150 | 433 | 10.4 | 498 | 12.0 |
| Sales occupations .......................................................... | 13,055 | 559 | 4.3 | 659 | 5.0 | 13,378 | 544 | 4.1 | 620 | 4.6 |
| Administrative support, including clerical ............................ | 17,631 | 2,172 | 12.3 | 2,488 | 14.1 | 17,851 | 2,262 | 12.7 | 2.558 | 14.3 |
| Service occupations ......................................................... | 16,204 | 2,141 | 13.2 | 2,356 | 14.5 | 16,594 | 2,209 | 13.3 | 2,398 | 14.5 |
| Protective service | 2,248 | 897 | 39.9 | 965 | 42.9 | 2,399 | 991 | 41.3 | 1,048 | 43.7 |
| Service, except protective service ....................................... | 13,956 | 1,244 | 8.9 | 1,391 | 10.0 | 14,195 | 1,218 | 8.6 | 1,350 | 9.5 |
| Precision production, craft, and repair .................................. | 12,069 | 2,723 | 22.6 | 2,864 | 23.7 | 12,274 | 2,708 | 22.1 | 2,834 | 23.1 |
| Operators, fabricators, and laborers .................................... | 17,629 | 3,791 | 21.5 | 4,008 | 22.7 | 17,443 | 3,713 | 21.3 | 3,894 | 22.3 |
| Machine operators, assemblers, and inspectors .................. | 7,717 | 1,690 | 21.9 | 1,764 | 22.9 | 7,498 | 1,603 | 21.4 | 1,672 | 22.3 |
| Transportation and material moving occupations ................. | 4,931 | 1,199 | 24.3 | 1,279 | 25.9 | 4,935 | 1,204 | 24.4 | 1,267 | 25.7 |
| Handlers, equipment cleaners, helpers, and laborers ........... | 4,981 | 901 | 18.1 | 964 | 19.4 | 5,010 | 906 | 18.1 | 956 | 19.1 |
| Farming, forestry, and fishing ............................................ | 1,890 | 88 | 4.6 | 97 | 5.1 | 1,938 | 90 | 4.6 | 100 | 5.2 |
| INDUSTRY |  |  |  |  |  |  |  |  |  |  |
| Private wage and salary workers ........................................ | 96,386 | 9,363 | 9.7 | 10,255 | 10.6 | 98,329 | 9,306 | 9.5 | 10,104 | 10.3 |
| Agriculture ${ }^{3}$.................................................................... | 1,681 | 36 | 2.2 | 40 | 2.4 | 1,739 | 26 | 1.5 | 31 | 1.8 |
| Nonagricultural industries ................................................ | 94,705 | 9,327 | 9.8 | 10,215 | 10.8 | 96,590 | 9,280 | 9.6 | 10,073 | 10.4 |
| Mining ........ | 607 | 84 | 13.9 | 87 | 14.3 | 589 | 72 | 12.2 | 79 | 13.4 |
| Construction ............................................................... | 5,739 | 1,067 | 18.6 | 1,118 | 19.5 | 5,946 | 1,056 | 17.8 | 1,093 | 18.4 |
| Manufacturing .............................................................. | 19,961 | 3,253 | 16.3 | 3,441 | 17.2 | 19,763 | 3,127 | 15.8 | 3,315 | 16.8 |
| Durable goods ........................................................... | 11,908 | 2,090 | 17.5 | 2,198 | 18.5 | 11,999 | 1,990 | 16.6 | 2,097 | 17.5 |
| Nondurable goods ...................................................... | 8,053 | 1,164 | 14.5 | 1,243 | 15.4 | 7,763 | 1,138 | 14.7 | 1,218 | 15.7 |
| Transportation and public utilities .................................... | 6,949 | 1,804 | 26.0 | 1,909 | 27.5 | 7,147 | 1,843 | 25.8 | 1,931 | 27.0 |
| Transportation ........................................................... | 4,212 | 1,118 | 26.5 | 1,177 | 27.9 | 4,316 | 1,108 | 25.7 | 1,156 | 26.8 |
| Communications and public utilities ............................... | 2,737 | 686 | 25.1 | 731 | 26.7 | 2,831 | 735 | 26.0 | 775 | 27.4 |
| Wholesale and retail trade ............................................. | 23,676 | 1,315 | 5.6 | 1,469 | 6.2 | 24,230 | 1,283 | 5.3 | 1,387 | 5.7 |
| Wholesale trade .......................................................... | 4,296 | 251 | 5.8 | 284 | 6.6 | 4,425 | 259 | 5.9 | 275 | 6.2 |
| Retail trade ................................................................ | 19,379 | 1,065 | 5.5 | 1,186 | 6.1 | 19,805 | 1,024 | 5.2 | 1,113 | 5.6 |
| Finance, insurance, and real estate ................................ | 7,070 | 155 | 2.2 | 199 | 2.8 | 7,420 | 150 | 2.0 | 195 | 2.6 |
| Services ..................................................................... | 30,704 | 1,647 | 5.4 | 1,993 | 6.5 | 31,493 | 1,750 | 5.6 | 2,073 | 6.6 |
| Govemment workers ........................................................ | 18,147 | 6,747 | 37.2 | 7,668 | 42.3 | 18,401 | 6,905 | 37.5 | 7,815 | 42.5 |
| Federal | 3,217 | 1,030 | 32.0 | 1,266 | 39.4 | 3,269 | 1,105 | 33.8 | 1,299 | 39.7 |
| State | 5,031 | 1,485 | 29.5 | 1,679 | 33.4 | 5,150 | 1,431 | 27.8 | 1,667 | 32.4 |
| Local | 9,899 | 4,232 | 42.7 | 4,723 | 47.7 | 9,982 | 4,370 | 43.8 | 4,849 | 48.6 |

[^27]NOTE: Data refer to the sole or principal job of fult- and part-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

HOUSEHOLD DATA
annual averages
43. Median weekly earnings of full-time wage and salary workers by union affiliation, occupation, and industry

| Occupation and indusiry | 1997 |  |  |  | 1998 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Members of unions ${ }^{1}$ | Represented by unions ${ }^{2}$ | Nonunion | Tota! | Members of unions ${ }^{1}$ | Represented by unions ${ }^{2}$ | Nonunion |
| OCCUPATION |  |  |  |  |  |  |  |  |
| Managerial and professional specialty | \$738 | \$776 | \$766 | \$731 | \$759 | \$789 | \$774 | \$756 |
| Executive, administrative, and managerial ............ | 725 | 757 | 752 | 721 | 755 | 801 | 789 | 753 |
| Protessional specialty ....................................... | 750 | 782 | 769 | 742 | 763 | 787 | 772 | 759 |
| Technical, sales, and administrative suppori ........... | 456 | 550 | 541 | 441 | 477 | 575 | 569 | 463 |
| Technicians and related support ......................... | 582 | 677 | 675 | 566 | 599 | 708 | 688 | 590 |
| Sales occupations ........................................... | 482 | 467 | 469 | 483 | 502 | 496 | 492 | 502 |
| Administrative support, including clerical .............. | 419 | 545 | 534 | 404 | 438 | 563 | 558 | 418 |
| Service occupations ......................................... | 313 | 516 | 505 | 293 | 327 | 557 | 542 | 305 |
| Protective service ............................................ | 550 | 724 | 713 | 418 | 598 | 736 | 732 | 450 |
| Service, except protective service ....................... | 293 | 398 | 393 | 283 | 305 | 403 | 402 | 295 |
| Precision production, craft, and repair .................... | 548 | 724 | 718 | 501 | 572 | 753 | 747 | 514 |
| Operators, fabricators, and laborers | 401 | 572 | 561 | 365 | 415 | 585 | 580 | 381 |
| Machine operators, assemblers, and inspectors .... | 390 | 533 | 524 | 356 | 406 | 559 | 556 | 375 |
| Transportation and material moving occupations ... Handlers, equipment cleaners, helpers, and | 498 | 658 | 642 | 451 | 510 | 655 | 644 | 468 |
| laborers ............................................................ | 329 | 509 | 506 | 310 | 351 | 514 | 514 | 326 |
| Farming, forestry, and fishing ............................... | 295 | 505 | 475 | 290 | 302 | 471 | 462 | 299 |
| INDUSTRY |  |  |  |  |  |  |  |  |
| Private wage and salary workers .......................... | 486 | 609 | 602 | 471 | 505 | 625 | 619 | 493 |
| Agriculture ${ }^{3}$..................................................... | 306 | $\left({ }^{4}\right)$ | $\left({ }^{4}\right)$ | 305 | 315 | $\left({ }^{4}\right)$ | $\left({ }^{4}\right)$ | 314 |
| Nonagricultural industries .................................. | 490 | \$610 | \$603 | 476 | 509 | \$626 | \$620 | 496 |
| Mining .......................................................... | 680 | 717 | 717 | 668 | 684 | 733 | 723 | 673 |
| Construction ................................................. | 518 | 771 | 760 | 484 | 534 | 790 | 783 | 496 |
| Manufacturing .................. | 517 | 595 | 592 | 503 | 551 | 606 | 603 | 532 |
| Durable goods ............................................. | 548 | 619 | 616 | 523 | 581 | 629 | 625 | 566 |
| Nondurable goods ........................................ | 484 | 536 | 529 | 470 | 507 | 565 | 562 | 495 |
| Transportation and public utilities ...................... | 617 | 718 | 714 | 580 | 624 | 731 | 724 | 586 |
| Transporation ............................................. | 573 | 702 | 697 | 513 | 570 | 704 | 695 | 519 |
| Communications and public utilities ................. | 709 | 746 | 743 | 690 | 727 | 763 | 760 | 699 |
| Wholesale and retail trade. | 391 | 457 | 451 | 387 | 410 | 480 | 476 | 405 |
| Wholesale trade ............................................ | 525 | 545 | 536 | 524 | 562 | 611 | 604 | 557 |
| Retail trade ........ | 352 | 419 | 415 | 347 | 373 | 442 | 439 | 369 |
| Finance, insurance, and real estate .................. | 546 | 487 | 501 | 548 | 577 | 545 | 554 | 578 |
| Services | 475 | 517 | 512 | 470 | 498 | 540 | 548 | 494 |
| Government workers | 605 | 681 | 671 | 530 | 620 | 694 | 688 | 558 |
| Federal | 684 | 689 | 687 | 678 | 694 | 690 | 693 | 696 |
| State .............................................................. | 584 | 628 | 621 | 540 | 596 | 646 | 638 | 563 |
| Locai .......................................................... | 592 | 697 | 682 | 479 | 612 | 712 | 702 | 501 |

[^28]4 Data not shown where base is less than 50,000 .
NOTE: Data refer to the sole or principal job of full-time workers. Excluded are all self-employed workers regardless of whether or not their businesses are incorporated. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the househoid survey.

## 44. Absences from work of employed full-time wage and salary workers by age and sex

(Numbers in thousands)

| Age and sex | 1998 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total employed | Absence rate ${ }^{1}$ |  |  | Lost worktime rate ${ }^{2}$ |  |  |
|  |  | Total | Illness or injury | Other reasons | Total | Iliness or injury | Other reasons |
| Total, 16 years and over ......................................................... | 95,579 | 3.7 | 2.7 | 1.1 | 2.0 | 1.4 | 0.6 |
| 16 to 19 years ..................................................................... | 2,192 | 4.0 | 3.1 | . 9 | 1.9 | 1.4 | . 5 |
| 20 to 24 years ........................................................................ | 8,856 | 3.9 | 2.5 | 1.4 | 2.0 | 1.1 | . 8 |
| 25 years and over | 84,530 | 3.7 | 2.7 | 1.0 | 2.0 | 1.5 | . 6 |
| 25 to 54 years ...................................................................... | 74,715 | 3.7 | 2.6 | 1.1 | 2.0 | 1.4 | . 6 |
| 55 years and over ................................................................. | 9,815 | 4.2 | 3.4 | . 8 | 2.5 | 2.1 | . 4 |
| Men, 16 years and over .......................................................... | 54,300 | 2.7 | 2.1 | . 6 | 1.5 | 1.2 | . 3 |
| 16 to 19 years ........................................................................ | 1,294 | 3.3 | 2.8 | . 5 | 1.6 | 1.4 | . 2 |
| 20 to 24 years ....................................................................... | 5,067 | 2.6 | 2.0 | . 6 | 1.2 | 1.0 | . 3 |
| 25 years and over ................................................................... | 47,939 | 2.7 | 2.1 | . 6 | 1.5 | 1.2 | . 3 |
| 25 to 54 years ....................................................................... | 42,359 | 2.6 | 2.0 | . 6 | 1.4 | 1.1 | . 3 |
| 55 years and over ................................................................. | 5,581 | 3.6 | 2.9 | . 6 | 2.2 | 1.9 | . 3 |
| Women. 16 years and over .................................................... | 41,279 | 5.1 | 3.4 | 1.7 | 2.8 | 1.8 | 1.0 |
| 16 to 19 years ........................................................................ | 899 | 5.0 | 3.4 | 1.6 | 2.4 | 1.4 | . 9 |
| 20 to 24 years. | 3,790 | 5.6 | 3.2 | 2.4 | 2.9 | 1.4 | 1.6 |
| 25 years and over ................................................................... | 36,591 | 5.1 | 3.5 | 1.6 | 2.8 | 1.8 | 1.0 |
| 25 to 54 years ...................................................................... | 32,357 | 5.1 | 3.4 | 1.7 | 2.8 | 1.7 | 1.0 |
| 55 years and over .................... | 4,234 | 5.0 | 4.0 | 1.0 | 2.8 | 2.3 | . 5 |

1 Absences 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.

2 Hours absent as a percent of hours tisually worked.
NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## HOUSEHOLD DATA

ANNUAL AVERAGES

## 45. Absences from work of employed full-time wage and salary workers by occupation and industry

(Numbers in thousands)

| Occupation and industry | 1998 |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Totai employed | Absence rate ${ }^{1}$ |  |  | Lost worktime rate ${ }^{2}$ |  |  |
|  |  | Total | Iliness or injury | Other reasons | Total | Illiness or injury | Other reasons |
| OCCUPATION |  |  |  |  |  |  |  |
| Managerial and professional specialty ....................................... | 29,399 | 3.1 | 2.0 | 1.1 | 1.7 | 1.0 | 0.7 |
| Executive, administrative, and managerial ................................ | 14,540 | 2.8 | 1.8 | . 9 | 1.4 | . 9 | . 6 |
| Professional specialty ............................................................ | 14,859 | 3.5 | 2.2 | 1.2 | 1.9 | 1.1 | . 8 |
| Technical, sales, and administrative support ................................ | 27,105 | 4.1 | 2.9 | 1.2 | 2.1 | 1.4 | . 7 |
| Technicians and related support .............................................. | 3,492 | 4.1 | 2.9 | 1.2 | 2.2 | 1.4 | . 8 |
| Sales occupations | 9,495 | 3.1 | 2.2 | . 9 | 1.6 | 1.1 | . 5 |
| Administrative support, including clerical ................................... | 14,118 | 4.7 | 3.3 | 1.4 | 2.4 | 1.6 | . 8 |
| Service occupations | 10,530 | 4.5 | 3.2 | 1.2 | 2.5 | 1.8 | . 6 |
| Precision production, craft, and repair ........................................ | 11,724 | 3.3 | 2.6 | . 8 | 1.9 | 1.5 | . 3 |
| Operators, fabricators, and laborers ............................................ | 15,208 | 4.3 | 3.4 | . 9 | 2.5 | 2.1 | . 4 |
| Farming, forestry, and fishing ................................................... | 1,613 | 2.4 | 1.9 | . 6 | 1.3 | 1.0 | . 3 |
| INDUSTRY |  |  |  |  |  |  |  |
| Agricultural wage and salary workers ......................................... | 1,462 | 2.0 | 1.5 | . 5 | 1.1 | . 8 | . 3 |
| Private nonagricultural wage and salary workers .......................... | 78,474 | 3.6 | 2.6 | 1.0 | 2.0 | 1.4 | . 6 |
| Mining ................................................................................. | 566 | 2.2 | 1.7 | . 5 | 1.3 | 1.0 | . 3 |
| Construction ........................................................................ | 5,443 | 3.2 | 2.4 | . 9 | 1.8 | 1.4 | . 4 |
| Manufacturing ...................................................................... | 18,929 | 3.8 | 2.8 | . 9 | 2.1 | 1.6 | . 5 |
| Durable goods .... | 11,610 | 3.6 | 2.8 | . 8 | 2.1 | 1.6 | . 4 |
| Nondurable goods ............................................................... | 7,319 | 3.9 | 2.9 | 1.0 | 2.2 | 1.7 | . 5 |
| Transportation and public utilities ............................................. | 6,391 | 3.4 | 2.6 | . 8 | 2.1 | 1.6 | . 5 |
| Transportation ................................................................... | 3,713 | 3.5 | 2.8 | . 8 | 2.3 | 1.8 | . 5 |
| Communications and other public utilities ................................ | 2,677 | 3.2 | 2.3 | . 9 | 1.9 | 1.4 | . 5 |
| Wholesale and retail trade ..................................................... | 16,699 | 3.4 | 2.4 | . 9 | 1.8 | 1.3 | . 5 |
| Wholesale trade .................................................................. | 4,051 | 2.7 | 2.0 | . 6 | 1.4 | 1.0 | . 4 |
| Retail trade ......................................................................... | 12,648 | 3.6 | 2.6 | 1.0 | 1.9 | 1.4 | . 5 |
| Finance. insurance, and real estate ......................................... | 6,561 | 3.4 | 2.3 | 1.2 | 1.7 | 1.0 | . 7 |
| Services .............................................................................. | 23,885 | 3.9 | 2.7 | 1.2 | 2.1 | 1.3 | . 7 |
| Government workers ............................................................... | 15,642 | 4.5 | 3.3 | 1.2 | 2.4 | 1.6 | . 7 |

1 Absences 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.

2 Hours absent as a percent of hours usually worked.
NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

## 46. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

| Veteran status and age | Civilian noninstitutional population |  | Civilian labor force |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1997 | 1998 | Total |  | Employed |  | Unemployed |  |  |  |
|  |  |  | 1997 | 1998 | 1997 | 1998 | Number |  | Percent of labor force |  |
|  |  |  |  |  |  |  | 1997 | 1998 | 1997 | 1998 |
| VIETNAM-ERA VETERANS |  |  |  |  |  |  |  |  |  |  |
| Total, 40 years and over .................................. | 7,790 | 7,773 | 6,644 | 6,526 | 6,439 | 6,348 | 206 | 179 | 3.1 | 2.7 |
| 40 to 54 years .............................................. | 6,284 | 5,950 | 5,676 | 5,313 | 5,496 | 5,163 | 180 | 150 | 3.2 | 2.8 |
| 40 to 44 years .......................................... | 1,002 | 741 | 901 | 662 | 864 | 637 | 37 | 24 | 4.1 | 3.7 |
| 45 to 49 years ........................................... | 2,683 | 2,237 | 2,436 | 2,011 | 2,366 | 1,955 | 71 | 56 | 2.9 | 2.8 |
| 50 to 54 years ........................................... | 2,599 | 2,972 | 2,338 | 2,641 | 2,266 | 2,571 | 72 | 70 | 3.1 | 2.6 |
| 55 years and over ........................................ | 1,506 | 1,822 | 969 | 1,213 | 943 | 1,184 | 26 | 29 | 2.7 | 2.4 |
| NONVETERANS |  |  |  |  |  |  |  |  |  |  |
| Total, 40 to 54 years ...................................... | 19,440 | 20,304 | 17,621 | 18,403 | 17,044 | 17,879 | 577 | 523 | 3.3 | 2.8 |
| 40 to 44 years ............................................. | 8,972 | 9,218 | 8,285 | 8,512 | 8,007 | 8,269 | 278 | 242 | 3.4 | 2.8 |
| 45 to 49 years ............................................. | 6,212 | 6,796 | 5,639 | 6,190 | 5,460 | 6,020 | 179 | 170 | 3.2 | 2.7 |
| 50 to 54 years .............................................. | 4,256 | 4,290 | 3,696 | 3,701 | 3,576 | 3,590 | 120 | 111 | 3.2 | 3.0 |

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces. Beginning in January 1998, data
reflect new composite estimation procedures and revised population controls used in the household survey.

## 47. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

| Employment status and age | Veterans |  |  |  |  |  | Nonveterans |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | White |  | Black |  | Hispanic origin |  | White |  | Black |  | Hispanic origin |  |
|  | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 | 1997 | 1998 |
| Total, 40 to 54 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 5,603 | 5,272 | 560 | 552 | 262 | 251 | 16,403 | 17,134 | 2,050 | 2,136 | 1,969 | 2,085 |
| Civilian labor force ................................................... | 5.102 | 4,741 | 469 | 463 | 229 | 219 | 15,081 | 15,748 | 1.653 | 1,719 | 1,772 | 1,850 |
| Employed | 4,951 | 4,614 | 444 | 444 | 218 | 215 | 14,648 | 15,346 | 1,547 | 1,628 | 1,684 | 1.763 |
| Unemployed | 151 | 127 | 25 | 20 | 11 | 4 | 433 | 403 | 106 | 91 | 88 | 87 |
| Unemployment rate ............................................... | 3.0 | 2.7 | 5.3 | 4.2 | 4.8 | 1.9 | 2.9 | 2.6 | 6.4 | 5.3 | 4.9 | 4.7 |
| 40 to 44 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 851 | 604 | 121 | 113 | 66 | 48 | 7,585 | 7,796 | 941 | 962 | 922 | 970 |
| Civilian labor force ................................................... | 770 | 540 | 102 | 101 | 56 | 42 | 7,099 | 7,296 | 779 | 796 | 852 | 884 |
| Employed ............................................................. | 739 | 524 | 97 | 96 | 52 | 41 | 6,891 | 7,114 | 724 | 747 | 811 | 843 |
| Unemployed ......................................................... | 31 | 17 | 5 | 5 | 4 | 1 | 208 | 182 | 55 | 48 | 41 | 42 |
| Unemployment rate .............................................. | 4.1 | 3.1 | 4.9 | 5.0 | 6.9 | 2.7 | 2.9 | 2.5 | 7.1 | 6.1 | 4.8 | 4.7 |
| 45 to 49 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 2,375 | 1,951 | 264 | 237 | 97 | 87 | 5,251 | 5,749 | 664 | 718 | 600 | 674 |
| Civilian labor force .................................................... | 2,178 | 1,767 | 222 | 201 | 84 | 74 | 4,826 | 5,301 | 545 | 590 | 525 | 596 |
| Employed .............................................................. | 2,120 | 1,722 | 210 | 190 | 81 | 72 | 4,689 | 5,166 | 515 | 563 | 500 | 571 |
| Unemployed ......................................................... | 58 | 45 | 11 | 11 | 3 | 1 | 137 | 135 | 29 | 27 | 25 | 24 |
| Unemployment rate .............................................. | 2.6 | 2.5 | 5.1 | 5.4 | 3.0 | 1.9 | 2.8 | 2.5 | 5.4 | 4.5 | 4.7 | 4.1 |
| 50 to 54 years |  |  |  |  |  |  |  |  |  |  |  |  |
| Civilian noninstitutional population ............................... | 2,378 | 2,718 | 175 | 201 | 99 | 116 | 3,567 | 3,589 | 445 | 456 | 447 | 441 |
| Civilian labor force .................................................... | 2,154 | 2,433 | 145 | 162 | 90 | 103 | 3,156 | 3,152 | 328 | 333 | 395 | 370 |
| Employed .............................................................. | 2,092 | 2,368 | 137 | 158 | 85 | 102 | 3,068 | 3,066 | 307 | 317 | 373 | 349 |
| Unemployed ......................................................... | 62 | 65 | 9 | 4 | 5 | 2 | 88 | 86 | 21 | 16 | 22 | 20 |
| Unemployment rate ............................................... | 2.9 | 2.7 | 5.9 | 2.4 | 5.2 | 1.6 | 2.8 | 2.7 | 6.5 | 4.8 | 5.5 | 5.5 |

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces. 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. Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.
48. Employees on nonfarm payrolls by major industry and selected component groups
(In thousands)

| Industry | 1995 | 1996 | 1997 | 19980 |
| :---: | :---: | :---: | :---: | :---: |
| Total .......................................................................... | 117,191 | 119,608 | 122,690 | 125,833 |
| Total private ................................................................ | 97,885 | 100,189 | 103,120 | 105,972 |
| Goods-producing ............................................................. | 24,265 | 24.493 | 24,934 | 25.256 |
| Mining | 581 | 580 | 592 | 575 |
| Metal mining | 51.3 | 53.8 | 53.7 | 50.7 |
| Coal mining . | 104.4 | 97.7 | 95.8 | 91.0 |
| Oil and gas extraction | 320.1 | 322.0 | 334.6 | 326.0 |
| Nonmetallic minerals, except fuels ...................................... | 105.3 | 106.2 | 107.5 | 107.7 |
| Construction .................................................................. | 5,160 | 5.418 | 5,686 | 5,965 |
| General building contractors | 1,207.0 | 1,257.2 | 1,316.3 | 1,398.7 |
| Heavy construction, except building .................................... | 752.2 | 776.8 | 795.2 | 823.9 |
| Special trade contractors .................................................. | 3,201.1 | 3,383.6 | 3,574.7 | 3,742.8 |
| Manufacturing .................................................................. | 18,524 | 18,495 | 18,657 | 18,716 |
| Durable goods ............................................................... | 10,683 | 10,789 | 10,987 | 11,098 |
| Lumber and wood products ............................................. | 769.2 | 778.4 | 793.1 | 803.4 |
| Furniture and fixtures ...................................................... | 509.7 | 504.3 | 510.1 | 523.5 |
| Stone, clay, and glass products ....................................... | 539.6 | 543.8 | 552.3 | 562.8 |
| Primary metal industries ................................................. | 712.0 | 710.5 | 710.7 | 711.3 |
| Blast furnaces and basic steel products ........................... | 241.6 | 240.2 | 235.4 | 232.8 |
| Fabricated metal products .............................................. | 1,437.0 | 1,448.7 | 1,474.9 | 1,488.9 |
| Industrial machinery and equipment .................................. | 2,067.1 | 2,114.6 | 2,163.4 | 2,188.4 |
| Computer and office equipment ..................................... | 352.2 | 361.8 | 374.6 | 374.8 |
| Electronic and other electrical equipment ........................... | 1,625.0 | 1,660.6 | 1,687.7 | 1,700.2 |
| Electronic components and accessories ........................ | 580.8 | 616.6 | 652.3 | 667.0 |
| Transportation equipment ................................................ | 1,790.2 | 1,784.9 | 1,841.8 | 1,873.7 |
| Motor vehicles and equipment ........................................ | 970.9 | 966.8 | 985.1 500.3 | 988.2 522.8 |
| Aircraft and parts .......................................................... | 450.5 843.4 | 458.1 | 863.3 | 859.3 |
| Instruments and related products $\qquad$ Miscellaneous manulacturing $\qquad$ | 889.4 <br> 8.7 | 887.4 | 389.3 | 385.9 |
| Nondurable goods .......................................................... | 7,841 | 7,706 | 7,670 | 7.618 |
| Food and kindred products .............................................. | 1,691.9 | 1,691.9 | 1,691.0 | 1,704.6 |
| Tobacco products ......................................................... | 42.1 | 41.4 | 41.2 | 40.2 |
| Textile mill products ....................................................... | 663.2 | 626.5 | 615.5 | 596.1 |
| Apparel and other textile products .................................... | 935.8 | 867.7 | 825.6 | 770.3 |
| Paper and allied products ............................................... | 692.8 | 683.6 | 685.1 | 681.5 |
| Printing and publishing .................................................. | 1,545.9 | 1,540.3 | 1,552.6 | 1,566.2 |
| Chemicals and allied products ......................................... | 1,038.1 | 1,033.8 | 1,033.8 | 1,035.8 |
| Petroleum and coal products ........................................... | 145.2 | 142.1 | 139.7 | 135.5 |
| Rubber and misc. plastics products .................................... | 979.9 | 982.7 | 995.1 | 1,005.9 |
| Leather and leather products .......................................... | 105.6 | 95.7 | 90.2 | 82.0 |
| Service-producing ............................................................ | 92,925 | 95.115 | 97,756 | 100,577 |
| Transportation and public utilities .................................... | 6.132 | 6,253 | 6,395 | 6,551 |
| Transportation ............................................................... | 3,904 | 4,019 | 4,106 | 4,209 |
| Railroad transportation .................................................. | 238.4 | 230.9 | 226.9 | 232.4 |
| Local and interurban passenger transit ............................. | 419.2 | 436.9 | 450.6 | 462.3 |
| Trucking and warehousing .............................................. | 1,587.1 | 1,636.8 | 1,667.2 | 1,707.0 |
| Water transportation ............ | 174.5 | 174.1 | 180.4 | 186.6 |
| Transportation by air. | 1,068.3 | 1,107.4 | 1,127.9 | 1,158.1 |
| Pipelines, except natural gas | 15.1 | 14.5 | 14.3 | 14.2 |
| Transportation services .................................................. | 401.2 | 418.2 | 438.6 | 448.6 |
| Communications and public utilities ..................................... | 2,229 | 2.234 | 2,290 | 2,341 |
| Communications .......................................................... | 1,317.6 | 1,350.6 | 1,423.5 | 1,486.3 |
| Electric, gas, and sanitary services .................................. | 910.9 | 883.7 | 865.9 | 855.2 |
| Wholesale trade ............................................................... | 6,378 | 6.482 | 6.648 | 6,825 |
| Durable goods ... | 3,715 | 3,805 | 3,935 | 4,069 |
| Nondurable goods .......................................................... | 2,663 | 2,677 | 2,713 | 2,756 |

See footnotes at end of table.

## ESTABLISHMENT DATA EMPLOYMENT ANNUAL AVERAGES

48. Employees on nonfarm payrolls by major industry and selected component groups-Continued
(In thousands)

| Industry | 1995 | 1996 | 1997 | 1998p |
| :---: | :---: | :---: | :---: | :---: |
| Retail trade | 21,187 | 21.597 | 22,011 | 22,474 |
| Building materials and garden supplies ................................. | 867.5 | 893.7 | 936.7 | 975.7 |
| General merchandise stores ............... | 2,680.5 | 2,701.8 | 2,717.9 | 2,792.0 |
| Department stores ..................................................... | 2,345.6 | 2,367.4 | 2,388.7 | 2,461.4 |
| Food stores .......... | 3,366.0 | 3,435.5 | 3,495.7 | 3.544 .8 |
| Automotive dealers and service stations .......................... | 2,189.6 | 2,266.7 | 2,313.9 | 2,351.2 |
| New and used car dealers | 996.0 | 1,030.5 | 1.050 .8 | 1,062.8 |
| Apparel and accessory stores ............................................ | 1,125.4 | 1,098.4 | 1,097.7 | 1,104.6 |
| Furniture and home furnishings stores ................................. | 945.5 | 975.2 | 1,009.0 | 1.062 .0 |
| Eating and drinking places ................................................ | 7,354.2 | 7.516.6 | 7,635.8 | 7,744.2 |
| Miscellaneous retail establishments | 2,658.3 | 2,708.5 | 2,804.1 | 2,898.9 |
| Finance, insurance, and real estate ................................... | 6,806 | 6,911 | 7.091 | 7,341 |
| Finance ......................................................................... | 3,231 | 3,303 | 3,413 | 3,553 |
| Depository institutions .................................................... | 2,025.1 | 2,018.6 | 2,027.0 | 2,041.4 |
| Commercial banks ........................................................ | 1,465.5 | 1,458.3 | 1,460.1 | 1,459.7 |
| Savings institutions | 275.8 | 265.8 | 261.5 | 263.6 |
|  | 462.9 | 522.0 | 567.2 | 620.3 |
| Mortgage bankers and brokers | 204.9 | 233.0 | 252.5 | 288.8 |
| Security and commodity brokers ...................................... | 525.4 | 553.0 | 596.8 | 648.6 |
| Holding and other investment offices ................................. | 217.2 | 209.9 | 221.8 | 242.9 |
| Insurance . | 2,225 | 2,226 | 2,260 | 2,329 |
| Insurance carriers | 1,528.8 | 1,517.1 | 1,535.4 | 1,585.6 |
| Insurance agents, brokers, and service | 695.5 | 708.6 | 724.4 | 743.0 |
| Real estate .................................................................... | 1,351 | 1,382 | 1,419 | 1,459 |
| Services ${ }^{1}$ | 33,117 | 34.454 | 36,040 | 37.525 |
| Agricultrual services | 581.8 | 627.2 | 679.1 | 713.5 |
| Hotels and other lodging places | 1,668.1 | 1,715.0 | 1,744.2 | 1,771.9 |
| Personal services ................... | 1,162.9 | 1,180.2 | 1,181.9 | 1,181.2 |
| Business services | 6,812.4 | 7.293 .0 | 7,982.7 | 8,546.9 |
| Services to buildings ....................................................... | 882.2 | 906.8 | 937.4 | 976.3 |
| Personnel supply services ............................................... | 2.475 .5 | 2,653.5 | $2,988.4$ | 3,162.1 |
| Help supply services ..................................................... | 2,188.8 | 2,352.4 | 2,645.7 | 2,824.7 |
| Computer and data processing services ............................ | 1,089.9 | 1,227.7 | 1,410.6 | 1,602.9 |
| Auto repair, services, and parking ...................................... | 1,020.1 | 1,080.0 | 1,124.3 | 1,159.0 |
| Miscellaneous repair services ............................................ | 359.1 | 371.8 | 375.9 | 386.4 |
| Motion pictures .............................................................. | 487.6 | 524.7 | 548.1 15729 | 564.5 1.687 .7 |
| Amusement and recreation services ............................... | 1,417.4 | 1,476.1 | 1,572.9 | 1,687.7 |
| Health services ............................. | 9,230.4 | 9,477.9 | 9,719.5 | 9,903.8 |
| Otfices and clinics of medical doctors | 1,608.9 | 1,678.3 | 1,742.9 | 1,817.3 |
| Nursing and personal care facilities ................................... | 1,691.4 | 1,730.4 | 1,754.5 | $1,757.3$ |
| Hospitals ....................... | 3,772.1 | 3.811 .5 | 3,868.7 | 3,952.6 |
| Home health care services .............................................. | 628.7 | 674.6 | 712.5 | 680.1 |
| Legal services | 921.4 | 927.5 | 947.3 | 981.4 |
| Educational services ......................................................... | 1,965.2 | 2,029.9 | 2,114.2 | 2,206.8 |
| Social services ............................................................... | 2,335.6 | 2,412.6 | 2,513.8 | 2,628.0 |
| Child day care services .................................................. | 562.6 | 564.7 | 569.5 | 580.7 |
| Residential care ............................................................ | 642.6 | 676.8 | 716.8 | 751.3 |
| Museums and botanical and zoological gardens .................... | 80.4 | 85.4 | 89.9 | 92.0 |
| Membership orgenizations ............................................... | 2,145.9 | 2,201.4 | 2,248.2 | 2.270 .6 |
| Engineering and management services ................................ | 2,731.1 | 2,844.3 | 3,004.8 | 3,235.5 |
| Engineering and architectural services ................................ | 814.8 | 836.2 | 869.1 | 917.8 |
| Management and public relations .................................................................................................... Services, nec .......... | 805.2 44.6 | 869.5 47.1 | 943.7 49.6 | 1.045 .3 52.4 |
| Government ................................................................... | 19,305 | 19,419 | 19,570 | 19,862 |
| Federal ......................................................................... | 2,822 | 2,757 | 2,699 | 2,684 |
| Federal, except Postal Service ......................................... | 1,978.3 | 1,900.9 | 1,841.5 | 1,818.5 |
| State ........................................................................... | 4,635 | 4.606 | 4.594 | 4,649 |
| Education | 1,919.0 | 1,910.7 | 1,911.7 | 1,940.6 |
| Other Slate government ................................................. | 2,715.4 | 2,695.0 | 2,682.2 | 2,708.5 |
| Local ........................................................................... | 11,849 | 12,056 | 12,276 | 12,529 |
| Education .................................................................... | 6,605.6 | $6,748.1$ $5,308.1$ | 6,913.0 5,363.0 | $7,071.0$ $5,457.6$ |
| Other local government .................................................. | 5,243.4 | 5,308.1 | 5,363.0 | 5,457.6 |

1 Includes other industries, not shown separately
$\mathrm{P}=$ preliminary.
NOTE: Establishment survey estimates are currently projected from

March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.
49. Production or nonsupervisory workers' ${ }^{1}$ on private nonfarm payrolls by major industry and manufacturing group

| Industry | 1995 | 1996 | 1997 | 19980 |
| :---: | :---: | :---: | :---: | :---: |
| Total private ............................................................ | 80,125 | 82,092 | 84,529 | 86,713 |
| Goods-producing ............................................................ | 17,243 | 17,405 | 17,751 | 17,949 |
| Mining ............................................................................ | 424 | 430 | 446 | 436 |
| Construction | 3,993 | 4,199 | 4,409 | 4,617 |
| Manufacturing ................................................................ | 12,826 | 12,776 | 12,896 | 12,896 |
| Durable goods ............................................................. | 7,317 | 7.386 | 7.539 | 7.597 660.6 |
| Lumber and wood products .......................................................................................... | 632.1 | 639.6 398.4 | 652.8 | 660.6 417.0 |
| Stone, clay, and glass products | 417.9 | 423.1 | 430.9 | 440.0 |
| Primary metal industries ................................................. | 552.8 | 553.4 | 555.5 | 557.2 |
| Blast furnaces and basic steel products | 184.5 | 184.5 | 181.3 | 180.0 |
| Fabricated metal products | 1,079.8 | 1,088.3 | 1,111.8 | 1,122.1 |
| Industrial machinery and equipment .................................. | 1,294.6 | 1,320.9 | 1,361.7 | 1,382.5 |
| Electronic and other electrical equipment ............................ | 1,044.9 | 1,056.0 | 1,067.9 | 1,066.3 |
| Transportation equipment ......... | 1,200.3 | 1,209.6 | 1,254.0 | 1,252.1 |
| Motor vehicles and equipment. | 761.4 | 763.6 | 778.8 | 758.8 |
| Instruments and related products ..................................... | 416.5 | 423.1 | 426.3 | 430.0 |
| Miscellaneous manlacturing ............................................ | 275.5 | 273.3 | 273.1 | 269.4 |
| Nondurable goods ......................................................... | 5,508 | 5,390 | 5,357 | 5,299 |
| Food and kindred products .............................................. | 1,247.5 | 1,253.7 | 1,255.8 | 1,266.3 |
| Tobacco products .......................................................... | 32.0 | 32.0 | 31.8 | 31.2 |
| Textile mill products ............... | 560.2 | 529.4 | 521.7 | 504.8 |
| Apparel and other textile products .................................... | 776.1 | 711.2 | 674.1 | 619.7 |
| Paper and allied products ............................................... | 525.4 | 519.0 | 522.3 | 519.1 |
| Printing and publishing ......... | 847.6 | 841.3 | 847.0 | 844.5 |
| Chemicals and allied products | 580.2 | 575.4 | 571.6 | 582.0 |
| Petroleum and coal products | 93.8 | 92.0 | 92.1 | 89.3 |
| Rubber and misc. plastics products ................................... | 762.7 | 762.0 | 771.6 | 779.9 |
| Leather and leather products ............................................ | 82.7 | 73.9 | 68.6 | 61.6 |
| Service-producing ............................................................. | 62,882 | 64,687 | 66,778 | 68,763 |
| Transportation and public utilities .................................... | 5,140 | 5,260 | 5,355 | 5,427 |
| Wholesale trade .............................................................. | 5,163 | 5,238 | 5,355 | 5,470 |
| Retail trade ...................................................................... | 18,639 | 19,002 | 19,375 | 19,737 |
| Finance, insurance, and real estate ................................... | 4,961 | 5.043 | 5,180 | 5,390 |
| Services .......................................................................... | 28,979 | 30,144 | 31,513 | 32,740 |

1 Data relate to production workers in mining and manufacturing: construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.
$\mathrm{P}=$ preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.
50. Average hours and earnings of production or nonsupervisory workers ${ }^{1}$ on private nonfarm payrolls by major indusiry and manufacturing group

| Industry | Average weekly hours |  |  |  | Average hourly earnings |  |  |  | Average weekly earnings |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1995 | 1996 | 1997 | 18980 | 1995 | 1996 | 1997 | 1998p | 1995 | 1996 | 1997 | 1998p |
| Total private ........................................ | 34.5 | 34.4 | 34.6 | 34.6 | \$11.43 | \$11.82 | \$12.28 | \$12.77 | \$394.34 | \$406.61 | \$424.89 | \$441.84 |
| Goods-producing ............................................ | 41.0 | 41.1 | 41.3 | 41.0 | 13.04 | 13.47 | 13.92 | 14.33 | 534.64 | 553.62 | 574.90 | 587.53 |
| Mining ........................................................... | 44.7 | 45.3 | 45.4 | 43.9 | 15.30 | 15.62 | 16.17 | 16.95 | 683.91 | 707.59 | 734.12 | 744.11 |
| Construction | 38.9 | 39.0 | 38.9 | 38.8 | 15.09 | 15.47 | 16.03 | 16.56 | 587.00 | 603.33 | 623.57 | 642.53 |
| Manufacturing <br> Overtime | 41.6 4.4 | 41.8 4.5 | 42.0 4.8 | 41.7 4.6 | $\begin{aligned} & 12.37 \\ & \text { (2) } \end{aligned}$ | $\begin{aligned} & 12.77 \\ & \text { (2) } \end{aligned}$ | $\begin{aligned} & 13.17 \\ & (2) \end{aligned}$ | $\begin{aligned} & 13.49 \\ & \text { (2) } \end{aligned}$ | $514.59$ <br> (2) | $531.23$ (2) | $553.14$ <br> (2) | $562.53$ (2) |
| Durable goods $\qquad$ <br> Overtime $\qquad$ | 42.4 4.7 | 42.4 4.8 | 42.8 5.1 | 42.3 4.8 | $\begin{aligned} & 12.94 \\ & (2) \end{aligned}$ | $\begin{aligned} & 13.33 \\ & (2) \end{aligned}$ | $\begin{aligned} & 13.73 \\ & (2) \end{aligned}$ | $\begin{aligned} & 13.99 \\ & (2) \end{aligned}$ | $548.66$ <br> (2) | $565.19$ <br> (2) | $587.64$ (2) | $591.78$ (2) |
| Lumber and wood products | 40.6 | 40.8 | 41.0 | 41.1 | 10.12 | 10.44 | 10.77 | 11.11 | 410.87 | 425.95 | 441.57 | 456.62 |
| Furniture and fixtures. | 39.6 | 39.4 | 40.2 | 40.5 | 9.82 | 10.15 | 10.55 | 10.89 | 388.87 | 399.91 | 424.11 | 441.05 |
| Stone, clay, and glass products | 43.0 | 43.3 | 43.2 | 43.4 | 12.41 | 12.82 | 13.18 | 13.61 | 533.63 | 555.11 | 569.38 | 590.67 |
| Primary metal industries ................................. | 44.0 | 44.2 | 44.9 | 44.2 | 14.62 | 14.97 | 15.22 | 15.48 | 643.28 | 661.67 | 683.38 | 684.22 |
| Blast furnaces and basic steel products .......... | 44.4 | 44.5 | 44.9 | 44.6 | 17.33 | 17.80 | 18.03 | 18.43 | 769.45 | 792.10 | 809.55 | 821.98 |
| Fabricated metal products ........... | 42.4 | 42.4 | 42.6 | 42.3 | 12.13 | 12.50 | 12.79 | 13.07 | 514.31 | 530.00 | 544.85 | 552.86 |
| Industrial machinery and equipment . | 43.4 | 43.1 | 43.6 | 42.8 | 13.24 | 13.59 | 14.07 | 14.45 | 574.62 | 585.73 | 613.45 | 618.46 |
| Electronic and other electrical equipment ........... | 41.6 | 41.5 | 42.0 | 41.4 | 11.69 | 12.18 | 12.70 | 13.12 | 486.30 | 505.47 | 533.40 | 543.17 |
| Transportation equipment ............................... | 43.8 | 44.0 | 44.5 | 43.4 | 16.74 | 17.19 | 17.56 | 17.56 | 733.21 | 756.36 | 781.42 | 762.10 |
| Motor vehicles and equipment ....................... | 44.9 | 44.9 | 45.0 | 43.5 | 17.34 | 17.74 | 18.06 | 17.94 | 778.57 | 796.53 | 812.70 | 780.39 |
| Instruments and related products ..................... | 41.4 | 41.7 | 42.0 | 41.3 | 12.71 | 13.13 | 13.51 | 13.77 | 526.19 | 547.52 | 567.42 | 568.70 |
| Miscellaneous manfacturing ........................... | 39.9 | 39.7 | 40.4 | 39.9 | 10.05 | 10.38 | 10.59 | 10.88 | 401.00 | 412.09 | 427.84 | 434.11 |
| Nondurable goods <br> Overtime | 40.5 | 40.5 4.1 | 40.9 4.4 | 40.9 4.3 | $\begin{aligned} & 11.58 \\ & \text { (2) } \end{aligned}$ | $\begin{aligned} & 11.97 \\ & (2) \end{aligned}$ | $\begin{aligned} & 12.33 \\ & (2) \end{aligned}$ | $12.75$ <br> (2) | $\begin{gathered} 468.99 \\ (2) \end{gathered}$ | $\begin{gathered} 484.79 \\ (2) \end{gathered}$ | $504.30$ (2) | $521.48$ <br> (2) |
| Food and kindred products .............................. | 41.1 | 41.0 | 41.3 | 41.7 | 10.93 | 11.20 | 11.49 | 11.80 | 449.22 | 459.20 | 474.54 | 492.06 |
| Tobacco products ......................................... | 39.6 | 40.0 | 38.9 | 38.3 | 19.41 | 19.35 | 19.27 | 18.67 | 768.64 | 774.00 | 749.60 | 715.06 |
| Textile mill products ......................................... | 40.8 | 40.6 | 41.4 | 41.0 | 9.41 | 9.69 | 10.03 | 10.38 | 383.93 | 393.41 | 415.24 | 425.58 |
| Apparel and other textile products .................... | 37.0 | 37.0 | 37.3 | 37.3 | 7.64 | 7.96 | 8.25 | 8.52 | 282.68 | 294.52 | 307.73 | 317.80 |
| Paper and allied products ............................... | 43.1 | 43.3 | 43.7 | 43.4 | 14.23 | 14.67 | 15.04 | 15.50 | 613.31 | 635.21 | 657.25 | 672.70 |
| Printing and publishing .................................. | 38.2 | 38.2 | 38.5 | 38.3 | 12.33 | 12.65 | 13.05 | 13.44 | 471.01 | 483.23 | 502.43 | 514.75 |
| Chemicals and allied products ......................... | 43.2 | 43.2 | 43.2 | 43.2 | 15.62 | 16.17 | 16.58 | 17.13 | 674.78 | 698.54 | 716.26 | 740.02 |
| Petroleum and coal products .......................... | 43.7 | 43.6 | 43.1 | 43.6 | 19.36 | 19.32 | 20.18 | 20.88 | 846.03 | 842.35 | 869.76 | 910.37 |
| Rubber and misc. plastics products .................. | 41.5 | 41.5 | 41.8 | 41.7 | 10.91 | 11.24 | 11.57 | 11.87 | 452.77 | 466.46 | 483.63 | 494.98 |
| Leather and leather products ........................... | 38.0 | 38.1 | 38.4 | 37.6 | 8.17 | 8.57 | 8.98 | 9.33 | 310.46 | 326.52 | 344.83 | 350.81 |
| Service-producing ........................................... | 32.7 | 32.7 | 32.9 | 32.9 | 10.88 | 11.26 | 11.73 | 12.26 | 355.78 | 368.20 | 385.92 | 403.35 |
| Transportation and public utllities .................... | 39.4 | 39.6 | 39.7 | 39.5 | 14.13 | 14.45 | 14.93 | 15.35 | 556.72 | 572.22 | 592.72 | 606.33 |
| Wholesale trade ............................................. | 38.3 | 38.3 | 38.4 | 38.4 | 12.43 | 12.87 | 13.44 | 14.01 | 476.07 | 492.92 | 516.10 | 537.98 |
| Retall trade ..................................................... | 28.8 | 28.8 | 28.9 | 29.1 | 7.69 | 7.99 | 8.34 | 8.75 | 221.47 | 230.11 | 241.03 | 254.63 |
| Finance, insurance, and real estate .................. | 35.9 | 35.9 | 36.1 | 36.4 | 12.32 | 12.80 | 13.33 | 14.05 | 442.29 | 459.52 | 481.21 | 511.42 |
| Services ........................... | 32.4 | 32.4 | 32.6 | 32.7 | 11.39 | 11.79 | 12.28 | 12.85 | 369.04 | 382.00 | 400.33 | 420.20 |

${ }^{1}$ Data relate to production workers in mining and manufacturing: construction workers in construction; and nonsupervisory workers in transportation and public utilities: wholesale and retail trade; finance, insurance and real estate; and servicas.
${ }^{2}$ Not available.
$\mathrm{P}=$ preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 lorward are subject to revision. Overtime hours for total, durable goods, and nondurable goods manufacturing for 1995-1997 have been corrected.

# Explanatory Notes and Estimates of Error 

## Introduction

The statistics in this periodical are compiled from two major sources: (1) household interviews, and (2) reports from employers.

Data based on household interviews are obtained from the Current Population Survey (CPS), a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, classified by such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 50,000 households (beginning with January 1996 data) located in 754 sample areas. These areas are chosen to represent all counties and independent cities in the U.S., with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12 th of the month.

Data based on establishment records are compiled each month from mail questionnaires and telephone interviews by the Bureau of Labor Statistics, in cooperation with State agencies. The Current Employment Statistics (CES) survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of about 390,000 establishments employing about 48 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th of the month.

## RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data complement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are obtained only from the household survey, whereas detailed industrial classifications are much more reliably derived from establishment reports.

Data from these two sources differ from each other because of variations in definitions and coverage, source of
information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on the levels and trends of the two data series are as follows.

## Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the reference week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonfarm establishments.

Multiple jobholding. The household survey provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once. In the figures based on establishment reports, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

Unpaid absences from jobs. The household survey includes among the employed all civilians who had jobs but were not at work during the reference week-that is, were not working but had jobs from which they were temporarily absent because of illness, vacation, bad weather, childcare problems, labor-management disputes, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but those on leave without pay for the entire payroll period are not.

## Hours of work

The household survey measures hours worked for all workers whereas the payroll survey measures hours for private production and nonsupervisory workers paid for by employers. In the household survey, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours at work. In the pay-
roll survey, production or nonsupervisory employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

## Earnings

The household survey measures the earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to average earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the various earnings series available from the household and establishment surveys, see BLS Measures of Compensation, BLS Bulletin 2239 (1986).

## COMPARABILITY OF HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job during the reference week, were currently available for a job, and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the U.S. Department of Labor, exclude, in addition to otherwise ineligible persons who do not file claims for benefits, persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemploy-
ment" by Gloria P. Green in the June 1971 issue of the Monthly Labor Review.

Agricultural employment estimates of the U.S. Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the National Agricultural Statistics Service series and the treatment of dual jobholders, who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and data collecting and estimating methods, which cannot be readily measured in terms of their impact on differences in the levels and trends of the two series.

## COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufacturers and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or sample surveys of manufacturing and business establishments. The major reasons for noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units; the industrial classification of establishments; and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

County Business Patterns, Bureau of the Census. Data in County Business Patterns (CBP) differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and most of government, and coverage is incomplete for some of the nonprofit agencies.

Employment covered by State unemployment insurance programs. Most nonfarm wage and salary workers are covered by the unemployment insurance programs. However, some employees, such as those working in parochial schools and churches, are not covered by unemployment insurance, whereas they are included in the BLS establishment statistics.

# Household Data ("A" tables, monthly; "D" tables, quarterly) 

## COLLECTION AND COVERAGE

Statistics on the employment status of the population and related data are compiled by BLS using data from the Current Population Survey (CPS). This monthly survey of households is conducted for BLS by the Bureau of the Census through a scientifically selected sample designed to represent the civilian noninstitutional population. 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."

Each month about 50,000 occupied units are eligible for interview. Some 3,200 of these households are contacted but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey that ranges between 6 and 7 percent. In addition to the 50,000 occupied units, there are about 9,000 sample units in an average month which are visited but found to be vacant or otherwise not eligible for enumeration. Part of the sample is changed each month. The rotation plan, as will be explained later, 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; those in use as of January 1994 are as follows:

Civilian noninstitutional population. Included are persons 16 years of age and older residing in the 50 States and the District of Columbia who are not inmates of institutions (e.g., penal and mental facilities, homes for the aged), and who are not on active duty in the Armed Forces.
Employed persons. All persons who, during the reference week, (a) did any work at all (at least I 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 dispute, 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. 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 4 -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. This 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.

Reason for unemployment. Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into five major groups: (1) Job losers, comprised of (a) persons on temporary layoff, who have been given a date to return to work or who expect to return within 6 months (persons on layoff need not be looking for work to qualify as unemployed), and (b) permanent job losers, whose employment ended involuntarily and who began looking for work; (2) Job leavers, persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work; (3) Persons who completed temporary jobs, who began looking for work after the jobs ended; (4) Reentrants, persons who previously worked but were out of the labor force prior to beginning their job search; and (5) New entrants, persons who never worked. Each of these five categories of the unemployed can be expressed as a proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers. (For statistical presentation purposes, "job losers" and "persons who completed temporary jobs" are combined into a single category until seasonal adjustments can be developed for the separate categories.)

Jobseekers. All unemployed persons who made specific efforts to find a job sometime during the 4 -week period preceding the survey week are classified as jobseekers. Jobseekers do not include persons classified as on temporary layoff, who although often looking for work, are not required to do so to be classified as unemployed. Jobseekers are grouped by the methods used to seek work. Only active methods-which have the potential to result in a job offer without further action on the part of the jobseeker-qualify as job search. Examples include going to an employer directly or to a public or private employment agency, seeking assistance from friends or relatives, placing or answering ads, or using some other active method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated labor pickup point. Passive methods, which do not qualify as job search, include reading (as opposed to answering or placing) "help wanted" ads and taking a job training course.

Labor force. This group comprises all persons classified as employed or unemployed in accordance with the criteria described above.

Unemployment rate. The unemployment rate represents the number unemployed as a percent of the labor force.

Participation rate. This represents the proportion of the population that is in the labor force.

Employment-population ratio. This represents the proportion of the population that is employed.

Not in the labor force. Included in this group 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 in the 4 -week period prior to the survey week. This group includes discouraged workers, 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.

Persons classified as not in the labor force who are in the sample for either their fourth or eighth month are asked additional questions relating to job history and workseeking intentions. These latter data are available on a quarterly basis.

Occupation, industry, and class of worker. This information for the employed applies to 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. The occupational and industrial classification of CPS data is based on the coding systems used in the 1990 census.

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, salary, 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. These are employed persons who, during the reference week, had either 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. Excluded are self-employed persons with multiple businesses and persons with multiple jobs as unpaid family workers.
Hours of work. These statistics relate to the actual number of hours worked during the reference week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours, even though they were paid for the holiday. For persons working in more than one job, the published figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job. Unpublished data are available for the hours worked in each job and for usual hours.

At work part time for economic reasons. Sometimes referred to as involuntary part time, this category refers to individuals who gave an economic reason for working 1 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. This group includes those persons who usually work part time and were at work 1 to 34 hours during the reference week for a noneconomic reason. Noneconomic reasons include, for example: Illness or other medical limitations, child-care 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 1 to 34 hours but said they do not want to work full time or were unavailable for such work.

Usual full- or part-time status. Data on persons "at work" exclude persons who were temporarily absent from a job and therefore classified in the zero-hours-worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute. In order to differentiate a person's normal schedule from their activity during the reference week, persons are also classified according to their usual full- or part-time status. In this context, full-time workers are those who usually worked 35 hours or more (at all jobs combined). This group will include some individuals who worked less than 35 hours in the reference week for either economic or noneconomic reasons and those who are temporarily absent from work. Similarly, 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. This may include some individuals who actually worked more than 34 hours in the reference week, as well as those who are temporarily absent from work. The full-time labor force includes all employed persons who usually work full time and unemployed persons who are either looking for full-time work or are on layoff from full-time jobs. The part-time labor force consists of employed persons who usually work part time and unemployed persons who are seeking or are on layoff from part-time jobs. Unemployment rates for fulland part-time workers are calculated using the concepts of the full-and part-time labor force.
White, black, and other. These are terms used to describe the race of persons. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. Because of the relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.
Hispanic origin. This refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.
Vietnam-era veterans. These are persons who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Published data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are persons who never served in the Armed Forces.

Usual weekly earnings. Data represent earnings before taxes and other deductions, and include any overtime pay, commissions, or tips usually received (at the main job in the case of multiple jobholders.) Earnings reported on a basis other than weekly (e.g., annual, monthly, hourly) are converted to weekly. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than
half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding all selfemployed persons regardless of whether or not their business's were incorporated) who usually work full time on their sole or primary job.

Median earnings. These figures indicate the value which divides the earnings distribution into two equal parts, one part having values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the $\$ 50$ centered interval within which each median falls. Data expressed in constant dollars are deflated by the Consumer Price Index for All Urban Consumers (CPI-U).

Single, never married; married, spouse present; and other marital status. These 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.

Household. 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 never applied to either husbands or wives in married-couple families but relates only to persons in families maintained by either men or women without a spouse.
Family. A 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 either single, widowed, divorced, or married, spouse absent.

## HISTORICAL COMPARABILITY

## Changes in concepts and methods

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. Some of the most important changes include:

- In 1945 , the questionnaire was radically changed with
the introduction of four basic employment questions. Prior to that time, the survey did not contain specific question wording, but rather relied on a complicated scheme of activity prioritization.
- In 1953, the current 4-8-4 rotation system was adopted, whereby households are interviewed for 4 consecutive months, leave the sample for 8 months, and then return to the sample for the same 4 months of the following year. Before this system was introduced, households were interviewed for 6 consecutive months and then replaced. The new system provided some year-to-year overlap in the sample, thereby improving measurement over time.
- In 1955, the survey reference week was changed to the calendar week including the 12 th day of the month, for greater consistency with the reference period used for other labor-related statistics. Previously, the calendar week containing the 8th day of the month had been used as the reference week.
- In 1957, the employment definition was modified slightly as a result of a comprehensive interagency review of labor force concepts and methods. Two relatively small groups of persons classified as employed, under "with a job but not at work," were assigned to different classifications. Persons on layoff with definite instructions to return to work within 30 days of the layoff date, and persons volunteering that they were waiting to start a new wage and salary job within 30 days of interview, were, for the most part, reassigned to the unemployed classification. The only exception was the small subgroup in school during the reference week but waiting to start new jobs, which was transferred to not in the labor force.
- In 1967, more substantive changes were made as a result of the recommendations of the President's Committee to Appraise Employment and Unemployment Statistics (the Gordon Committee). The principal improvements were as follows:
a) A 4-week job search period and specific questions on jobseeking activity were introduced. Previously, the questionnaire was ambiguous as to the time period for jobseeking and there were no specific questions concerning job search methods.
b) An availability test was introduced whereby a person must be currently available for work in order to be classified as unemployed. Previously, there was no such requirement. This revision to the concept mainly affected students, who, for example, may begin to look for summer jobs in the spring although they will not be available until June or July. Such persons, until 1967, had been classified as unemployed but since have been assigned to the "not in the labor force" category.
c) Persons "with a job but not at work" because of strikes, bad weather, etc., who volunteered that they were looking for work, were shifted from unemployed status to employed.
d) The lower age limit for official statistics on employment, unemployment, and other labor force concepts was raised from 14 to 16 years. Historical data for most major series have been revised to provide consistent information based on the new minimum age limit.
e) New questions were added to obtain additional information on persons not in the labor force, including those referred to as "discouraged workers," defined as persons who indicate that they want a job but are not currently looking because they believe there are no jobs available or none for which they would qualify.
f) New "probing" questions were added to the questionnaire in order to increase the reliability of information on hours of work, duration of unemployment, and self-employment.
- In 1994, major changes to the Current Population Survey (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. Prior to 1994, to be classified as a discouraged worker, a person must have wanted a job and be reported as not currently looking because of a belief that no jobs were available or that there were none for which he or she would qualify. 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; prior to 1994, availability had been inferred from responses to other questions). 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 fulltime work. Previously, such information was inferred. (Per-
sons 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. Previously, the questionnaire did not include explicit questions about the expectation of recall.
e) Persons volunteering that they were waiting to start a new job within 30 days must have looked for work in the 4 weeks prior to the survey in order to be classified as unemployed. Previously, such persons did not have to meet the job search requirement in order to be included among the unemployed.

For additional information on changes in CPS concepts and methods, see Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey, BLS Report 463, October 1976 and "Overhauling the Current Population Survey-Why is it Necessary to Change?," "Redesigning the Questionnaire," and "Evaluating Changes in the Estimates," Monthly Labor Review, September 1993, and "Revisions in the Current Population Survey Effective January 1994," in the February 1994 issue of this publication.

## Noncomparability of labor force levels

In addition to the refinements in concepts, definitions, and methods made over the years, other changes have also affected the comparability of the labor force data.

- Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000 ; labor force, total employment, and agricultural employment were increased by about 350,000 , primarily affecting the figures for totals and men; other categories were relatively unaffected.
- Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force. Four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected.
- Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000 ; unemployment totals were virtually unchanged.
- Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000 ; labor force and employment totals were raised by a little more than 300,000 ; unemployment levels and rates were essentially unchanged.
- In March 1973, a subsequent population adjustment based on the 1970 census was introduced. This adjustment,
which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000 , and the black-and-other labor force rose by about 210,000 . Unemployment levels and rates were not significantly affected.
- Beginning in January 1974, the method used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the estimates had its greatest impact on estimates of 20 - to 24 -year-old menparticularly those of the black-and-other population-but had little effect on estimates of the total population 16 years and over. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation," in the February 1974 issue of this publication.
- Effective in July 1975, as a result of the large inflow of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by $76,000-$ ( 30,000 men and 46,000 women). The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, with all of the changes being confined to the "other" component of the population.
- Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of this publication.
- Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seveneighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.
- Beginning in January 1979, the first-stage ratio adjustment method was changed in the CPS estimation procedure. Differences between the old and new procedures existed only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind
the change and an indication of the differences appear in "Revisions in the Current Population Survey in January 1979" in the February 1979 issue of this publication.
- Beginning in January 1982, the second-stage ratio adjustment method was changed. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of this publication. In addition, current population estimates used in the second-stage estimation procedure were derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in the total population and in the estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used also is described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 (described above), and data users should consider them when comparing estimates from different periods.
- Beginning in January 1983, the first-stage ratio adjustment method was updated to incorporate data from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of this publication. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and virtually no differences in estimates of participation rates.
- Beginning in January 1985, most of the steps of the CPS estimation procedure-the noninterview adjustment, the first- and second-stage ratio adjustments, and the composite estimator-were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.
- Beginning in January 1986, the population controls used in the second-stage ratio adjustment method were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of emigrants among legal foreignborn residents for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000 ; civilian employment was increased by about 350,000 . The Hispanic-origin population and labor
force estimates were raised by about 425,000 and 305,000 , respectively, and Hispanic employment by 270,000 . Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data were revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appear in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of this publication.
- Beginning in August 1989, the second-stage ratio estimate cells were changed slightly to decrease the chance of very small cells occurring and to be more consistent with published age, sex, race cells. This change had virtually no effect on national estimates.
- Beginning in January 1994, 1990 census-based population controls, adjusted for the estimated undercount, were introduced into the second stage estimation procedure. This change resulted in substantial increases in total population and in all major labor force categories. Effective February 1996, these controls were introduced into the estimates for 1990-93. Under the new population controls, the civilian noninstitutional population for 1990 increased by about 1.1 million, employment by about 880,000 , and unemployment by approximately 175,000 . The overall unemployment rate rose by about 0.1 percentage point. For further information, see "Revisions in the Current Population Survey Effective January 1994," and "Revisions in Household Survey Data Effective February 1996" in the February 1994 and March 1996 issues, respectively, of this publication.

Additionally, for the period January through May 1994, the composite estimation procedure was suspended due to technical and logistical reasons.

- Beginning in January 1997, the population controls used in the second-stage ratio adjustment method were revised to reflect updated information on the demographic characteristics of immigrants to, and emigrants from, the United States. As a result, the civilian noninstitutional population 16 years and over was raised by about 470,000 . The labor force and employment levels were increased by about 320,000 , and 290,000 , respectively. The Hispanic-origin population and labor force estimates were raised by about 450,000 and 250,000 respectively, and Hispanic employment by 325,000 . Overall and subgroup unemployment rates and other percentages of labor market participation were not affected. An explanation of the changes and their effect on national labor force estimates appear in "Revisions in the Current Population Survey Effective January 1997" in the February 1997 issue of this publication.

Effective with data for January 1998, new composite estimation procedures and minor revisions in the population controls were introduced into the household survey. The new composite estimation procedures simplify processing of the monthly labor force data at BLS, allow users of the
survey microdata to replicate more easily the official estimates released by BLS, and increase the reliability of the employment and labor force estimates. The new procedures also produce somewhat lower estimates of the civilian labor force and employment and slightly higher estimates of unemployment. For example, based on 1997 annual average data, using old and new composite weights, the differences were as follows: Civilian labor force $(-229,000)$, total employed $(-256,000)$, and total unemployed $(+27,000)$. Unemployment rates were not significantly affected.

The population controls used in the survey were revised to reflect new estimates of legal immigration to the U.S. and a change in the method for projecting the emigration of foreign-born legal residents. As a result, the Hispanic-origin population was raised by about 57,000; however, the total civilian noninstitutional population 16 years and over was essentially unchanged. More detailed information on these changes and their effect on the estimates of labor force change and composition appear in "Revisions in the Current Population Survey Effective January 1998," in the February 1998 issue of this publication.

## Changes in the occupational and industrial classification system

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of this publication.
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 evolved from the Standard Occupational Classification (SOC) system and was so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sates workers." Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

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 system had much less of an adverse effect on historical
comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation," and some interchange between "professional and related services" and "public administration." Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of this publication.

Beginning in January 1992, the occupational and industrial classification systems used in the 1990 census were introduced into the CPS. (These systems were largely based on the 1980 Standard Occupational Classification (SOC) and 1987 Standard Industrial Classification (SIC) systems, respectively.) 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. A number of industry titles were changed as well, with no change in content.

## Sampling

Since the inception of the survey, there have been various changes in the design of the CPS sample. The sample is traditionally redesigned and a new sample selected after each decennial census. Also, the number of sample areas and the number of sample persons are changed occasionally. Most of these changes are made in order to improve the efficiency of the sample design, increase the reliability of the sample estimates, or control cost.

Changes in this regard since 1960 are as follows: When Alaska and Hawaii received statehood in 1959 and 1960, respectively, three sample areas were added to the existing sample to account for the population of these States. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia, was designed to provide more reliable annual average estimates for States. In October 1978, a coverage improvement sample of approximately 450 sample household units representing 237,000 occupied mobile homes and 600,000 new construction housing units was added. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added. A sample reduction of about 6,000 units was implemented in May 1981. In January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to the Standard Metropolitan Statistical Areas (SMSA's), which were redefined in 1973. In January 1985, a new Statebased CPS sample was selected based on 1980 census information. A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8 -month period, April-November 1989. A redesigned CPS sample based on the 1990 decennial census was selected for use during the 1990's. Households from this new sample
were phased into the CPS between April 1994 and July 1995. The July 1995 sample was the first monthly sample based entirely on the 1990 census. For further information on the 1990 sample redesign, see "Redesign of the Sample for the Current Population Survey" in the May 1994 issue of this publication.

The original 1990 census-based sample design included about 66,000 housing units per month located in 792 selected geographic areas called primary sampling units (PSU's). The sample was initially selected to meet specific reliability criteria for the Nation, for each of the 50 States and the District of Columbia, and for the sub-State areas of New York City and the Los Angeles-Long Beach metropolitan area. In 1996, the original sample design reliability criteria were modified to reduce costs. The current criteria, given below, are based on the coefficient of variation (CV) of the unemployment level, where the CV is defined as the standard error of the estimate divided by the estimate, expressed as a percentage. These CV controls assume a 6-percent unemployment rate to establish a consistent specification of sampling error.

The current sample design, introduced in January 1996, includes about 59,000 households from 754 sample areas and maintains a 1.9 -percent CV on national monthly estimates of unemployment level. This translates into a change of 0.2 percentage point in the unemployment rate being significant at a 90 -percent confidence level. For each of the fifty States and for the District of Columbia, the design maintains a CV of at most 8-percent on the annual average estimate of unemployment level, assuming a 6-percent unemployment rate. Due to the national reliability criterion, estimates for several large States are substantially more reliable than the State design criterion requires. Annual average unemployment estimates for California, Florida, New York, and Texas, for example, carry a CV of less than 4 percent.

In the first stage of sampling, the 754 sample areas are chosen. In the second stage, ultimate sampling unit clusters composed of about four housing units each are selected. Each month, about 59,000 housing units are assigned for data collection, of which about 50,000 are occupied and thus eligible for interview. The remainder are units found to be destroyed, vacant, converted to nonresidential use, containing persons whose usual place of residence is elsewhere, or ineligible for other reasons. Of the 50,000 housing units, about 6.5 percent are not interviewed in a given month due to temporary absence (vacation, etc.), other failures to make contact after repeated attempts, inability of persons contacted to respond, unavailability for other reasons, and refusals to cooperate (about half of the noninterviews). Information is obtained each month for about 94,000 persons 16 years of age or older.

Selection of sample areas. The entire area of the United States, consisting of 3,141 counties and independent cities, is divided into 2,007 sample units (PSU's). In most States, a PSU consists of a county or a number of contiguous coun-
ties. In New England and Hawaii, minor civil divisions are used instead of counties.

Metropolitan areas within a State are used as a basis for forming PSU's. Outside of metropolitan areas, counties normally are combined except when the geographic area of an individual county is too large. Combining counties to form PSU's provides greater heterogeneity; a typical PSU includes urban and rural residents of both high and low economic levels and encompasses, to the extent feasible, diverse occupations and industries. Another important consideration is that the PSU be sufficiently compact so that, with a small sample spread throughout, it can be efficiently canvassed without undue travel cost.

The 2,007 PSU's are grouped into strata within each State. Then one PSU is selected from each stratum with the probability of selection proportional to the population of the PSU. Nationally, there are a total of 428 PSU's in strata by themselves. These strata are self-representing and are generally the most populous PSU's in each State. The 326 remaining strata are formed by combining PSU's that are similar in such characteristics as unemployment, proportion of housing units with three or more persons, number of persons employed in various industries, and average monthly wages for various industries. The single PSU randomly selected from each of these strata is non-self-representing because it represents not only itself but the entire stratum. The probability of selecting a particular PSU in a non-self-representing stratum is proportional to its 1990 population. For example, within a stratum, the chance that a PSU with a population of 50,000 would be selected for the sample is twice that for a PSU having a population of 25,000 .

Selection of sample houscholds. Because the sample design is State based, the sampling ratio differs by State and depends on State population size as well as both national and State reliability requirements. The State sampling ratios range roughly from 1 in every 100 households to 1 in every 3,000 households. The sampling ratio occasionally is modified slightly to hold the size of the sample relatively constant given the overall growth of the population. The sampling ratio used within a sample PSU depends on the probability of selection of the PSU and the sampling ratio for the State. In a sample PSU with a probability of selection of 1 in 10 and a State sampling ratio of 3,000 , a withinPSU sampling ratio of 1 in 300 achieves the desired ratio of 1 in 3,000 for the stratum.

The 1990 within-PSU sample design was developed using block-level data from the 1990 census. (The 1990 census was the first decennial census that produced data at the block level for the entire country.) Normally, census blocks are bounded by streets and other prominent physical features such as rivers or railroad tracks. County, Minor Civil Division, and census place limits also serve as block boundaries. In cities, blocks can be bounded by four streets and be quite small in land area. In rural areas, blocks can be several square miles in size.

For the purpose of sample selection, census blocks were grouped into three strata: Unit, group quarters, and area. (Occasionally, units within a block were split between the unit and group quarters strata.) The unit stratum contained regular housing units with addresses that were easy to locate (e.g. most single family homes, townhouses, condominiums, apartment units, and mobil homes). The group quarters stratum contained housing units where residents shared common facilities or received formal or authorized care or custody. Unit and group quarters blocks exist primarily in urban areas. The area stratum contains blocks with addresses that are more difficult to locate. Area blocks exist primarily in rural areas.

To reduce the variability of the survey estimates and to ensure that the within-PSU sample would reflect the demographic and socioeconomic characteristics of the PSU, blocks within the unit, group quarters, and area strata were sorted using geographic and block-level data from the census. Examples of the census variables used for sorting include proportion of minority renter-occupied housing units, proportion of housing units with female householders, and proportion of owner-occupied housing units. The specific sorting variables used differed by type of PSU (urban or rural) and stratum.

Within each block, housing units were sorted geographically and grouped into clusters of approximately four units. A systematic sample of these clusters was then selected independently from each stratum using the appropriate withinPSU sampling ratio. The geographic clustering of the sample units reduces field representative travel costs. Prior to interviewing, special listing procedures are used to locate the particular sample addresses in the group quarters and area blocks.

Units in the three strata described above all existed at the time of the 1990 decennial census. Through a series of additional procedures, a sample of building permits is included
in the CPS to represent housing units built after the decennial census. Adding these newly built units keeps the sample up-to-date and representative of the population. It also helps to keep the sample size stable: over the life of the sample, the addition of newly built housing units compensates for the loss of "old" units which may be abandoned, demolished, or converted to nonresidential use.

Rotation of sample. Part of the sample is changed each month. Each monthly sample is divided into eight representative subsamples or rotation groups. A given rotation group is interviewed for a total of 8 months, divided into two equal periods. It is in the sample for 4 consecutive months, leaves the sample during the following 8 months, and then returns for another 4 consecutive months. In each monthly sample, one of the eight rotation groups is in the first month of enumeration, another rotation group is in the second month, and so on. Under this system, 75 percent of the sample is common from month to month and 50 percent from year to year for the same month. This procedure provides a substantial amount of month-to-month and year-to-year overlap in the sample, thus providing better estimates of change and reducing discontinuities in the series of data without burdening any specific group of households with an unduly long period of inquiry.
CPS sample, 1947 to present. Table 1-A provides a description of some aspects of the CPS sample designs in use since 1947. A more detailed account of the history of the CPS sample design appears in The Current Population Survey: Design and Methodology, Technical Paper No. 40, Bureau of the Census, or Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey, Report 463, Bureau of Labor Statistics. A description of the 1990 census-based sample design appears in "Redesign of the Sample for the Current Population Survey," in the May 1994 issue of this publication.

Table 1-A. Characteristics of the CPS sample, 1947 to present

| Time period | Number of sample areas | Households eligible |  | Households visited but not eligible |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Interviewed | Not interviewed |  |
| Aug. 1947 to Jan. 1954 ............................ | 68 | 21,000 | 500-1,000 | 3,000-3,500 |
| Feb. 1954 to Apr. 1956 ............................ | 230 | 21,000 | 500-1,000 | 3,000-3,500 |
| May 1956 to Dec. 1959 ............................ | 1330 | 33,500 | 1,500 | 6,000 |
| Jan. 1960 to Feb. 1963 ............................ | 2333 | 33,500 | 1,500 | 6,000 |
| Mar. 1963 to Dec. 1966 ............................ | 357 | 33,500 | 1,500 | 6,000 |
| Jan. 1967 to July 1971 ............................ | 449 | 48,000 | 2,000 | 8,500 |
| Aug. 1971 to July 1972 ............................ | 449 | 45,000 | 2,000 | 8,000 |
| Aug. 1972 to Dec. 1977 ........................... | 461 | 45,000 | 2,000 | 8,000 |
| Jan. 1978 to Dec. 1979 ............................ | 614 | 53,500 | 2,500 | 10,000 |
| Jan. 1980 to Apr. 1981 ............................ | 629 | 62,200 | 2,800 | 12,000 |
| May 1981 to Dec. 1984 | 629 | 57,800 | 2,500 | 11,000 |
| Jan. 1985 to Mar. 1988 ............................ | 729 | 57,000 | 2,500 | 11,000 |
| Apr. 1988 to Mar. 1989 ............................ | 729 | 53,200 | 2,600 | 11,500 |
| April 1989 to Oct. $1994{ }^{3}$............................. | 729 | 57,400 | 2,600 | 11,800 |
| Nov. 1994 to Aug. 19954 | 792 | 54,500 | 3,500 | 10,000 |
| Sept. 1995 to Dec. 1995 .............................. | 792 | 52,900 | 3,400 | 9,700 |
| Jan. 1996 to present ................................... | 754 | 46,800 | 3,200 | 9,000 |

[^29]
## ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Since 1985, most sample persons within the same State have had the same probability of selection. Some selection probabilities may differ within a State due to the sample design or for operational reasons. Field subsampling, for example, which is carried out when areas selected for the sample are found to contain many more households than expected, may cause probabilities of selection to differ for some sample areas within a State. Through a series of estimation steps (outlined below), the selection probabilities are adjusted for noninterviews and survey undercoverage; data from previous months are incorporated into the estimates through the composite estimation procedure.

1. Noninterview adjustment. The weights for all interviewed households are adjusted to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This noninterview adjustment is made separately for clusters of similar sample areas that are usually, but not necessarily, contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each cluster, there is a further breakdown by residence. Each MSA cluster is split by "central city" and "balance of the MSA." Each non-MSA cluster is split by "urban" and "rural" residence categories. The proportion of sample households not interviewed varies from 6 to 7 percent, depending on weather, vacation, etc.
2. Ratio estimates. The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole in such characteristics as age, race, sex, and State of residence. Because these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio adjustment, as follows:
a. First-stage ratio estimation. The purpose of the firststage ratio adjustment is to reduce the contribution to variance that results from selecting a sample of PSU's rather than drawing sample households from every PSU in the Nation. This adjustment is made to the CPS weights in two race cells: Black and nonblack; it is applied only to PSU's
that are not self-representing and for those States that have a substantial number of black households. The procedure corrects for differences that existed in each State cell at the time of the 1990 census between 1) the race distribution of the population in sample PSU's and 2) the race distribution of all PSU's (both 1 and 2 exclude self-representing PSU's).
b. Second-stage ratio estimation. This procedure substantially reduces the variability of estimates and corrects, to some extent, for CPS undercoverage. The CPS sample weights are adjusted to ensure that sample-based estimates of population match independent population controls. Three sets of controls are used:
1) 51 State controls of the civilian noninstitutional population 16 years of age and older,
2) National civilian noninstitutional population controls for 14 Hispanic and 5 non-Hispanic age-sex categories,
3) National civilian noninstitutional population controls for 66 white, 42 black, and 10 "other" age-sex categories.

The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 1990. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 1994, the projections were based on earlier censuses, and there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 1994," appearing in the February 1994 issue of this publication.
3. Composite estimation procedure. The last step in the preparation of most CPS estimates makes use of a composite estimation procedure. The composite estimate consists of a weighted average of two factors: The two-stage ratio estimate based on the entire sample from the current month and the composite estimate for the previous month, plus an estimate of the month-to-month change based on the six rotation groups common to both months. In addition, a bias adjustment term is added to the weighted average to account for relative bias associated with month-in-sample estimates. This month-in-sample bias is exhibited by unemployment estimates for persons in their first and fifth months in the CPS being generally higher than estimates obtained for the other months.

The composite estimate results in a reduction in the sampling error beyond that which is achieved after the two stages of ratio adjustment. For some items, the reduction is substantial. The resultant gains in reliability are greatest in estimates of month-to-month change, although gains are also usually obtained for estimates of level in a given month, change from year to year, and change over other intervals of time.

## Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

## Reliability of the estimates

There are two types of errors possible in an estimate based on a sample survey-sampling and nonsampling. The standard errors provided indicate primarily the magnitude of the sampling error. They also incorporate the effect of some nonsampling errors in response and enumeration but do not account for any systematic biases in the data.

Nonsampling error. The full extent of nonsampling error is unknown, but special studies have been conducted to quantify some sources of nonsampling error in the CPS, as discussed below. The effect of nonsampling error should be small on estimates of relative change, such as month-tomonth change. Estimates of monthly levels would be more severely affected by the nonsampling error.

Nonsampling errors in surveys can be attributed to many sources, e.g., the inability to obtain information about all persons in the sample; differences in the interpretation of questions; inability or unwillingness of respondents to provide correct information; inability to recall information; errors made in collecting and processing the data; errors made in estimating values for missing data; and failure to represent all sample households and all persons within sample households (undercoverage).

Nonsampling errors occurring in the interview phase of the survey are studied by means of a reinterview program. This program is used to estimate various sources of error as well as to evaluate and control the work of the interviewers. A random sample of each interviewer's work is inspected through reinterview at regular intervals. The results indicate, among other things, that the data published from the CPS are subject to moderate systematic biases. A description of the CPS reinterview program and some of the other results may be found in The Current Population Survey Reinterview Program, January 1961 through December 1966, Technical Paper No. 19, Bureau of the Census, U.S. Department of Commerce.

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates
varies by rotation group. A description of these effects appears in "The Effects of Rotation Group Bias on Estimates From Panel Surveys," by Barbara A. Bailar, Journal of the American Statistical Association, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. The CPS covers about 92 percent of the decennial census population (adjusted for census undercount). It is known that the CPS undercoverage varies with age, sex, race, and Hispanic origin. Generally, undercoverage is larger for men than for women and larger for blacks, Hispanics, and other races than for whites. Ratio adjustment to independent age-sex-race-origin population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race-origin group.

Additional information on nonsampling error in the CPS appears in An Error Profile: Employment as Measured by the Current Population Survey, by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, Annals of Economic and Social Measurement, Vol. 2, April 1973; and in The Current Population Survey, Design and Methodology, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive discussion of various sources of errors and describes attempts to measure them in the CPS.

Sampling error. When a sample rather than the entire population is surveyed, estimates differ from the true population values that they represent. This difference, or sampling error, occurs by chance, and its variability is measured by the standard error of the estimate. Sample estimates from a given survey design are unbiased when an average of the estimates from all possible samples would yield, hypothetically, the true population value. In this case, the sample estimate and its standard error can be used to construct approximate confidence intervals, or ranges of values, that include the true population value with known probabilities. If the process of selecting a sample from the population were repeated many times and an estimate and its standard error calculated for each sample, then:

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the true population value.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the true population value.
3. Approximately 95 percent of the intervals from two
standard errors below the estimate to two standard errors above the estimate would include the true population value.

Although the estimating methods used in the CPS do not produce unbiased estimates, biases for most estimates are believed to be small enough so that these confidence interval statements are approximately true.

Since it would be too costly to develop standard errors for all CPS estimates, generalized variance function techniques are used to calculate sets of standard errors for various types of labor force characteristics. It is important to keep in mind that standard errors computed from these methods reflect contributions from sampling errors and some kinds of nonsampling errors and indicate the general magnitude of an estimate's standard error rather than its precise value.

The generalized variance functions and standard errors provided here are based on the sample design and estimation procedures as of 1987 and have been adjusted to reflect the population levels and sample size as of 1996. Standard errors for years prior to 1996 may be roughly approximated by adjusting, as follows, the standard errors presented here.

1. For the years 1967 through 1995 , multiply the standard errors by 0.96 .
2. For the years 1956 through 1966 , multiply the standard errors by 1.17 .
3. For years prior to 1956, multiply the standard errors by 1.44 .

More accurate standard error estimates for historical CPS data may be found in previous issues of this publication.

Tables 1-B through 1-H are provided so that approximate standard errors of estimates can be easily obtained. These tables are briefly summarized here; details illustrating the proper use of each table follow.

Tables 1-B and 1-C show standard errors for estimated monthly levels and rates for selected employment status characteristics; these tables also provide standard errors for consecutive month-to-month changes in the estimates. These standard errors are based on levels of recent estimates and can be determined directly by finding the characteristic of interest.

Tables 1-D and 1-E show standard errors for monthly levels and consecutive monthly changes in levels for general employment status characteristics. The standard errors are calculated using linear interpolation based on the size of the monthly estimates.

Tables 1-F and 1-G give parameters that can be used with formulas to calculate a standard error on nearly any specified level, unemployment rate, percentage, or consecutive month-to-month change. For monthly levels and consecutive month-to-month changes in levels, tables 1-F and 1-G are preferred to tables 1-D and 1-E, since the formulas provide more accurate results than linear interpolation.

Table 1-B. Standard errors for major employment status categories
(In thousands)

| Category | Monthly level | Consecutivemonth change |
| :---: | :---: | :---: |
| Total, 16 years and over: |  |  |
| Civilian labor force ................... | 293 | 216 |
| Employed ............................. | 312 | 235 |
| Unemployed .......................... | 145 | 161 |
| Men, 20 years and over: |  |  |
| Civilian labor force ..... | 194 | 164 |
| Employed .............................. | 206 | 174 |
| Unemployed ........................... | 97 | 113 |
| Women, 20 years and over: |  |  |
| Civilian labor force ................... | 219 | 165 |
| Employed .............................. | 224 | 171 |
| Unemployed .......................... | 91 | 105 |
| Both sexes, 16 to 19 years: |  |  |
| Civilian labor force ................... | 97 | 95 |
| Employed ............................. | 96 | 95 |
| Unemployed ........................... | 62 | 81 |
| Black, 16 years and over: |  |  |
| Civilian labor force .................... | 138 | 101 |
| Employed ............................. | 140 | 105 |
| Unemployed ........................... | 66 | 76 |
| Men, 20 years and over: |  |  |
| Civilian labor force ................... | 78 | 69 |
| Employed ............................. | 71 | 72 |
| Unemployed ......................... | 43 | 50 |
| Women, 20 years and over: |  |  |
| Civilian labor force .................. | 98 | 73 |
| Employed ............................. | 97 | 74 |
| Unemployed ............................ | 44 | 51 |
| Both sexes, 16 to 19 years: |  |  |
| Civilian labor force .................... | 40 | 42 |
| Employed .............................. | 35 | 37 |
| Unemployed ......................... | 32 | 37 |
| Hispanic origin, 16 years and over: |  |  |
| Civilian labor force ................... | 130 | 91 |
| Employed ............................. | 134 | 107 |
| Unemployed ........................... | 63 | 73 |

Table 1-H presents factors used to convert standard errors of monthly levels and rates determined from tables 1 B, 1-C, 1-D, and 1-F to standard errors pertaining to quarterly and yearly averages, consecutive year-to-year changes of monthly estimates, and changes in quarterly and yearly averages.

The standard errors for estimated changes from 1 month to the next, I year to the next, etc., depend more on the monthly levels for characteristics than on the size of the changes. Accordingly, tables 1-E, 1-G, and 1-H use monthly levels (not the magnitude of the changes) for approximating standard errors of change. Standard errors for estimated change between nonconsecutive months are not provided (except for year-to-year change); however, these may be assumed to be higher than the standard errors for consecutive monthly change.

Table 1-C. Standard errors for unemployment rates by major characteristics

| Characteristic | Monthly level | Consecutivemonth change |
| :---: | :---: | :---: |
| Total, 16 years and over ......................... | 0.11 | 0.13 |
| Men, 16 years and over | . 15 | . 18 |
| Men, 20 years and over | . 14 | . 17 |
| Women, 16 years and over | . 16 | . 19 |
| Women, 20 years and over ....................... | . 16 | . 19 |
| Both sexes, 16 to 19 years ........................ | . 74 | . 97 |
| White workers ......................................... | . 11 | . 13 |
| Black workers .......................................... | . 45 | . 53 |
| Hispanic-origin workers ............................ | . 50 | . 59 |
| Married men, spouse present .................... | . 15 | . 18 |
| Married women, spouse present ................ | . 18 | . 22 |
| Women who maintain families ................... | . 54 | . 64 |
| Occupation |  |  |
| Executive, administrative, and managerial .. | . 20 | . 24 |
| Professional specialty ............................. | . 20 | . 23 |
| Technicians and related support | . 45 | . 54 |
| Sales | . 30 | . 36 |
| Administrative support, including clerical ..... | . 25 | . 30 |
| Private household. | 1.75 | 2.08 |
| Protective service .. | . 67 | . 80 |
| Service, except private household and protective service | . 38 | . 45 |
| Precision production, craft, and repair | . 34 | . 40 |
| Machine operators, assemblers, and inspectors $\qquad$ | . 49 | . 58 |
| Transportation and material moving ............ | . 55 | . 66 |
| Handlers, equipment cleaners, helpers, and laborers | . 73 | . 87 |
| Farming, forestry, and fishing .................... | . 73 | . 87 |
| Industry |  |  |
| Nonagricultural private wage and salary workers $\qquad$ | . 13 | . 15 |
| Goods-producing industries ................... | . 25 | . 30 |
| Mining ............................................. | 1.39 | 1.65 |
| Construction | . 68 | . 81 |
| Manufacturing | . 26 | . 31 |
| Durable goods | . 32 | . 38 |
| Nondurable goods | . 42 | . 50 |
| Service-producing industries | . 15 | . 18 |
| Transportation, communications, and public utilities $\qquad$ | . 42 | . 50 |
| Wholesale and retail trade .................. | . 27 | . 32 |
| Finance and services ......................... | . 19 | . 23 |
| Government workers ................................ | . 21 | . 25 |
| Agricultural wage and salary workers .......... | 1.18 | 1.40 |

Use of tables I-B and 1-C. These table provide a quick reference for standard errors of major characteristics. Table 1-B gives approximate standard errors for estimates of monthly levels and consecutive month-to-month changes in levels for major employment status categories. Table 1-C gives approximate standard errors for estimates of monthly unemployment rates and consecutive month-to-month changes in unemployment rates for some demographic, industrial, and occupational categories. For characteristics not given in tables I-B and 1-C, refer to either tables 1-D and IE or tables 1-F and I-G.

Illustration. Suppose that for a given month the number of women 20 years and over in the civilian labor force is estimated to be $54,000,000$. For this characteristic, the approximate standard error of 219,000 is given in table 1-B in the row, "Total, 16 years and over: Women, 20 years and over: Civilian labor force." A 90 -percent confidence interval, as shown by these data, would then be the interval from $53,650,000$ to $54,350,000$. Concluding that the true labor force level lies within this interval would be correct for roughly 90 percent of all possible samples.

Use of tables I-D and I-E. From these tables, approximate standard errors can be calculated for estimates of monthly levels and month-to-month changes in levels for major labor force characteristics by race and Hispanic origin. For major categories not shown, such as male or female, tables 1-F and 1-G can be used. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. For table I-E, which applies to estimates of consecutive month-to-month change, the average of the two monthly levels (not the change) is used to select the appropriate row in the table.

Illustration. Assume that between 2 consecutive months the estimated number of employed persons changed from $115,600,000$ to $116,700,000$, an apparent increase of $1,100,000$. The approximate standard error on this month-to-month change estimate is based on the average level of the estimate for the 2 months, $116,150,000$. Using the table 1-E column titled "Labor force data other than agricultural employment and unemployment, Total," it is necessary to find the standard errors corresponding to the two monthly level entries between which the value $116,150,000$ lies. The standard error corresponding to $100,000,000$ is given as 274,000 , and the standard error corresponding to $120,000,000$ is given as 246,000 . Use linear interpolation to find the approximate standard error on month-to-month change corresponding to the level $116,150,000$; one method of calculation is given below.
$246,000+\left(\frac{120,000,000-116,150,000}{120,000,000-100,000,000}\right)(274,000-246,000) \doteq 251,000$
Thus, a 90 -percent confidence interval for the true month-to-month change would be approximately the interval from 698,000 to $1,502,000$.

Use of tables I-F and I-G. These tables can be used to find approximate standard errors for a wide range of estimated monthly levels, proportions, rates, and estimates of consecutive monthly change. Instead of displaying standard errors, these tables provide parameters to be used with the formulas given below that allow the user to calculate standard errors.

Table 1-D. Standard errors for estimates of monthly levels
(In thousands)

| Estimated monthly level | Characteristic |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agricultural employment |  | Unemployment |  |  | Labor force data other than agricultural employment and unemployment |  |  |  |  |
|  | Total or white | Black | Total or white | Black | Hispanic origin | Total | White | Black | Hispanic origin |  |
|  |  |  |  |  |  |  |  |  | Employed | Civilian labor force or not in labor force |
| 50 | 12 | 13 | 12 | 13 | 13 | 12 | 12 | 13 | 14 | 14 |
| 100 | 18 | 18 | 17 | 18 | 19 | 17 | 17 | 18 | 20 | 20 |
| 500 | 41 | 39 | 38 | 39 | 42 | 39 | 39 | 39 | 44 | 44 |
| 1,000. | 62 | 55 | 54 | 54 | 59 | 54 | 54 | 55 | 61 | 61 |
| 2,000.. | 96 | 76 | 76 | 74 | 82 | 77 | 77 | 76 | 83 | 83 |
| 4,000 | 157 |  | 107 | 96 | 113 | 108 | 108 | 103 | 111 | 111 |
| 6,000 .... | 216 |  | 131 | 106 |  | 131 | 131 | 120 | 126 | 126 |
| 8,000 ... | 273 |  | 150 | 108 |  | 151 | 150 | 131 | 134 | 134 |
| 10,000 | 330 |  | 167 | 101 |  | 168 | 167 | 137 | 135 | 135 |
| 15,000 ................ |  |  | 201 |  |  | 202 | 201 | 137 | 110 | 110 |
| 20,000 ................ |  |  | 228 |  |  | 229 | 227 | 113 |  |  |
| 30,000 .................... |  |  |  |  |  | 271 | 267 |  |  |  |
| 40,000 ................ |  |  |  |  |  | 302 | 296 |  |  |  |
| 50,000 ................ |  |  |  |  |  | 324 | 315 |  |  |  |
| 60,000 ............. |  |  |  |  |  | 340 | 327 |  |  |  |
| 70,000 ................ |  |  |  |  |  | 350 | 333 |  |  |  |
| 80,000 ................ |  |  |  |  |  | 354 | 333 |  |  |  |
| 100,000 ............... |  |  |  |  |  | 349 | 313 |  |  |  |
| 120,000 ............... |  |  |  |  |  | 322 | 264 |  |  |  |
| 140,000 .............. |  |  |  |  |  | 267 | 159 |  |  |  |
| 160,000 .............. |  |  |  |  |  |  |  |  |  |  |
| 180,000 ............... |  |  |  |  |  |  |  |  |  |  |

Table 1-E. Standard errors for estimates of month-to-month change in levels
(In thousands)

| Estimated monthly level | Characteristic |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Agricultural employment |  | Unemployment |  |  | Labor force data other than agricultural employment and unemployment |  |  |  |  |
|  |  |  |  |  |  |  |  |  | Hispa | anic origin |
|  | Total or white | Black | Total or white | Black | Hispanic origin | Total | White | Black | Employed | Civilian labor force or not in labor force |
| 50 ......................... | 14 | 12 | 14 | 15 | 16 | 10 | 10 | 10 | 12 | 10 |
| 100 ....................... | 19 | 17 | 20 | 21 | 22 | 14 | 14 | 15 | 17 | 14 |
| 500 ....................... | 43 | 37 | 46 | 46 | 50 | 32 | 32 | 33 | 37 | 31 |
| 1,000 .................... | 59 | 52 | 64 | 63 | 69 | 45 | 45 | 45 | 51 | 43 |
| 2,000 .................... | 78 | 72 | 89 | 84 | 95 | 63 | 63 | 62 | 70 | 59 |
| 4,000 .................... | 95 |  | 124 | 104 | 127 | 88 | 88 | 84 | 93 | 78 |
| 6,000 .................... | 94 |  | 148 | 106 |  | 108 | 108 | 97 | 105 | 89 |
| 8,000 ......................... | 73 |  | 166 | 92 |  | 123 | 123 | 104 | 110 | 94 |
| $10,000$ |  |  | 180 | 47 |  | 137 | 137 | 108 | 110 | 95 |
| $15,000$ |  |  | 204 |  |  | 165 | 165 | 100 | 79 | 76 |
| 20,000 ....................... |  |  | 215 |  |  | 187 | 187 | 58 |  |  |
| 30,000 .................. |  |  |  |  |  | 221 | 221 |  |  |  |
| 40,000 ................... |  |  |  |  |  | 245 | 245 |  |  |  |
| 50,000 .................. |  |  |  |  |  | 262 | 262 |  |  |  |
| 60,000 .................. |  |  |  |  |  | 274 | 274 |  |  |  |
| 70,000 .................. |  |  |  |  |  | 281 | 281 |  |  |  |
| 80,000 .................. |  |  |  |  |  | 283 | 283 |  |  |  |
| 100,000 ................... |  |  |  |  |  | 274 | 274 |  |  |  |
| 120,000 ................. |  |  |  |  |  | 246 | 246 |  |  |  |
| 140,000 ................. |  |  |  |  |  | 188 | 188 |  |  |  |
| $\begin{aligned} & 160,000 \ldots . . . . . . . . . . . . . . . . ~ \\ & \text { 180,000 ................. } \end{aligned}$ |  |  |  |  |  |  |  |  |  |  |

Table 1-G, which applies to estimates of consecutive monthly change, lists parameters for some characteristics classified by a measure of correlation between monthly estimates. Estimates of the number of persons employed full time, for example, change relatively little from one month to the next, and the two monthly estimates are said to be highly correlated. Consecutive monthly estimates of parttime employment, by contrast, have low correlation, since these estimates are relatively volatile.

Major characteristics for which consecutive monthly estimates are known to have high or low correlation are indicated in table 1-G. Not all categories in table 1-G, however, are broken down into low or high correlation characteristics. When high or low correlation is not specified in table 1-G, the parameters in table 1-G should be selected from the rows labeled "Most characteristics" or from rows not specifying correlation.

Standard errors of estimated levels. The approximate standard error, $\mathrm{s}_{\mathrm{x}}$, of an estimated monthly level, x , can be obtained using the formula below, where a and b are the parameters from table I-F associated with the particular characteristic. The same formula can be used to approximate the standard error of an estimated month-to-month change in level; simply average the levels for the 2 consecutive months and use the parameters from table I-G.

$$
s_{x}=\sqrt{a x^{2}+b x}
$$

Illustration. Assume that in a given month there are an estimated 6 million unemployed men in the civilian labor force $(x=6,000,000)$. Obtain the appropriate $a$ and $b$ parameters from table I-F ("Unemployment: Total or white"). Use the formula to compute an approximate standard error on the estimate of $6,000,000$.

$$
a=-0.000017962 \quad b=2957.13
$$

$S_{x}=\sqrt{(-0.000017962)(6,000,000)^{2}+(2957.13)(6,000,000)} \doteq 131,000$
Suppose that in the next month the estimated number of unemployed men increases by 200,000 to $6,200,000$. The average of the monthly levels is $x=6,100,000$. Obtain the appropriate a and b parameters from table 1-G ("Unemployment: Total or white, Total, men, women"). Use the formula to compute an approximate standard error on the estimated change of 200,000 .

$$
\begin{gathered}
a=-0.000093662 \quad b=4191.84 \\
s_{x}=\sqrt{-(0.000093662)(6,100,000)^{2}+(4191.84)(6,100,000)} \doteq 149,000
\end{gathered}
$$

An approximate 90 -percent confidence interval for the true month-to-month change would be the interval from
$-38,000$ to 438,000 . Because this interval covers zero, one cannot assert at this level of confidence that any real change has occurred in the unemployment level. This result can also be expressed by saying that the apparent change of 200,000 is not significant at a 90 -percent confidence level.

Standard errors of estimated percentages and rates. Generally, percentages and rates are not published unless the monthly base (denominator) is greater than 75,000 persons, the quarterly average base is greater than 60,000 persons, or the annual average base is greater than 35,000 persons.

The reliability of an estimated percentage or rate depends upon the magnitude of the percentage or rate and its base. When the numerator and base are in different categories, use the parameters from table 1-F or $.1-\mathrm{G}$ relevant to the numerator. The approximate standard error, $s_{y, p}$, of an estimated percentage or rate, p , can be obtained using the following formula, where $y$ is the estimated number of persons in the base.

$$
s_{y, p}=\sqrt{\frac{b}{y} p(100-p)}
$$

Illustration. For a given month, suppose that $5,600,000$ women, 20 to 24 years of age, are estimated to be employed. Of this total, $1,800,000$ or 32 percent are classified as parttime workers. To estimate the standard error on this percentage, proceed as follows. Obtain the parameter $\mathrm{b}=$ 2529.99 from table 1-F ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Total, Women"). Apply the formula to obtain:

$$
s_{y, p}=\sqrt{\frac{2529.99}{5,600,000}(32)(100-32)} \doteq 1.0 \text { percent }
$$

Suppose that in the next month $5,700,000$ women in this same age group are reported employed and that $1,950,000$ or 34 percent are part-time workers. To estimate the standard error on the observed month-to-month change of 2 percentage points, first average the values for p and y over the 2 months to get $\mathrm{p}=33$ percent and $\mathrm{y}=5,650,000$. Next, obtain the parameter $\mathrm{b}=2690.59$ from table 1-G ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Total or white, Women: Low correlation characteristics") and apply the formula as follows.

$$
s_{y, p}=\sqrt{\frac{2690.59}{5,650,000}(33)(100-33)} \doteq 1.0 \text { percent }
$$

It should be noted that the numerator of the percentage (part-time employed) determined the choice of correlation.

Table 1-F. Parameters for computation of standard errors for estimates of monthly levels

| Characteristic | a | $b$ |
| :---: | :---: | :---: |
| Labor force and not-in-laborforce data other than agricultural employment and unemployment: |  |  |
| Total | -0.000017682 | 2985.26 |
| Men ${ }^{1}$ | -. 000032770 | 2764.05 |
| Women. | -. 000029553 | 2529.99 |
| Both sexes, 16 to 19 years ....... | -. 000171805 | 2544.62 |
| White ${ }^{1}$ | -. 000020028 | 2984.72 |
| Men ................................ | -.000036840 | 2766.67 |
| Women. | -. 000033710 | 2526.82 |
| Both sexes, 16 to 19 years .... | -. 000204195 | 2549.88 |
| Black ................................... | -. 000125300 | 3139.26 |
| Men .................................. | -. 000302096 | 2930.79 |
| Women .. | -. 000182509 | 2637.41 |
| Both sexes, 16 to 19 years .... | -. 001294516 | 2949.48 |
| Hispanic origin ....................... | -. 000206380 | 3895.71 |
| Not in labor force, total or white, excluding women and 16 -to19 year olds $\qquad$ | . 000005931 | 828.79 |
| Agricultural employment: |  |  |
| Total or white ..... | . 000782035 | 3048.57 |
| Men | . 000858136 | 2825.09 |
| Women or both sexes, 16 to 19 years $\qquad$ | -. 000024885 | 2582.39 |
| Black .................................... | -. 000134884 | 3154.76 |
| Hispanic origin: |  |  |
| Total or women ....................... | . 011857446 | 2894.85 |
| Men or both sexes, 16 to 19 years. | . 015736341 | 1702.50 |
| Unemployment: |  |  |
| Total or white ... | -. 000017962 | 2957.13 |
| Black ...................................... | -. 000212109 | 3149.77 |
| Hispanic origin ........................... | -. 000101820 | 3576.47 |

${ }^{1}$ Excludes not-in-labor-force data.

If the example had illustrated percentages of women employed full time, the numerator would have been a high correlation characteristic. Table 1-G, however, does not explicitly list high correlation parameters for employed women; thus, the row labeled "Women, Most characteristics" would have been used.

Had the example dealt with teenage women employed part time, either of two rows in table $1-\mathrm{G}$ could have been applied ("Women: Low correlation characteristics" or "Both sexes, 16 to 19 years"). In situations like this, where it is not clear which row applies, a general rule to follow is to choose the row with the largest $b$ parameter. This gives a more conservative estimate of standard error.

Use of table I-H. Use this table with table 1-B, 1-C, 1-D, or 1-F to calculate approximate standard errors for quarterly
or yearly averages, changes in consecutive quarterly or yearly averages, and consecutive year-to-year changes in monthly estimates. Table 1-H gives factors that can be used to convert standard errors for monthly levels into standard errors for other time periods and changes over time. Follow these three basic steps:

Step 1. Average estimates appropriately. For quarterly estimates, average the 3 monthly estimates. For yearly estimates, average the 12 monthly estimates. For changes in consecutive averages, average over the 2 quarters or 2 years. For consecutive year-to-year changes in monthly estimates, average the 2 months involved.

Step 2. Obtain a standard error on a monthly estimate using table 1-B or 1-C, or apply the procedures for table 1 D or 1-F to the average calculated in step 1, as if the average were an estimate for a single month.

Step 3. Determine the standard error on the average or on the estimate of change. Multiply the result from step 2 by the appropriate factor from table $1-\mathrm{H}$.

Illustration. Suppose that standard errors are desired for a quarterly average of black employment levels and for the change in averages from 1 quarter to the next. For each successive month of the first quarter, suppose the levels are observed to be $11,500,000,11,600,000$, and $11,700,000$.

Step 1. The quarterly average is $11,600,000$.
Step 2. Obtain the $a$ and $b$ parameters from table 1-F ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Black"). Use the formula for $s_{x}$ to compute an approximate standard error for a monthly estimate of $11,600,000$.

$$
a=-0.000125300 \quad b=3139.26
$$

$S_{X}=\sqrt{(-0.000125300)(11,600,000)^{2}+(3139.26)(11,600,000)} \doteq 140,000$
Step 3. Multiply this result by the factor .87 from table 1-H (column labeled "Quarterly averages" and row labeled "Labor force and not-in-labor-force data other than agricultural employment and unemployment, Black"). This gives an approximate standard error of 122,000 on the quarterly average of $11,600,000$.

Proceed to obtain the approximate standard error on the change in consecutive quarterly average estimates of black employment. Assume that black employment estimates for the months in the second quarter are observed to be $11,100,000,11,200,000$, and $11,300,000$.

Step 1. The average for the second quarter is $11,200,000$.

Table 1-G. Parameters for computation of standard errors for estimates of month-to-month change in levels

\begin{tabular}{|c|c|c|}
\hline Characteristic \& a \& b \\
\hline Labor force and not-in-labor-force data other than agricultural employment and unemployment: \& \& \\
\hline \begin{tabular}{l}
Total or white: \\
Most characteristics \(\qquad\) \\
High correlation characteristics \({ }^{1}\) \(\qquad\) \\
Low correlation characteristics \({ }^{1}\) \(\qquad\)
\end{tabular} \& \[
\begin{array}{r}
-0.000012482 \\
-.000009288 \\
-.000016162
\end{array}
\] \& \[
\begin{aligned}
\& 2001.12 \\
\& 1564.84 \\
\& 2550.56
\end{aligned}
\] \\
\hline \begin{tabular}{l}
Men: \\
Most characteristics \(\qquad\) \\
High correlation characteristics \(\qquad\) \\
Low correlation characteristics \(\qquad\)
\end{tabular} \& \begin{tabular}{l}
-. 000022599 \\
-. 000016814 \\
-. 000058387
\end{tabular} \& 1921.13 1500.99 2668.56 \\
\hline \begin{tabular}{l}
Women: \\
Most characteristics \(\qquad\) \\
Low correlation characteristics \(\qquad\)
\end{tabular} \& \[
\begin{array}{r}
-.000021229 \\
-.000059785
\end{array}
\] \& \[
\begin{aligned}
\& 1689.99 \\
\& 2690.59
\end{aligned}
\] \\
\hline Both sexes, 16 to 19 years ......................................................... \& -. 000186555 \& 2616.54 \\
\hline \begin{tabular}{l}
Black: \\
Most characteristics \(\qquad\) \\
Low correlation characteristics \(\qquad\)
\end{tabular} \& \[
\begin{aligned}
\& -.000098960 \\
\& -.001928030
\end{aligned}
\] \& \[
\begin{aligned}
\& 2147.36 \\
\& 6513.82
\end{aligned}
\] \\
\hline \begin{tabular}{l}
Men: \\
Most characteristics \(\qquad\) \\
Low correlation characteristics \(\qquad\)
\end{tabular} \& \[
\begin{aligned}
\& -.000234427 \\
\& -.002881467
\end{aligned}
\] \& \[
\begin{aligned}
\& 2280.03 \\
\& 5829.60
\end{aligned}
\] \\
\hline \begin{tabular}{l}
Women: \\
Most characteristics \(\qquad\) \\
Low correlation characteristics \(\qquad\)
\end{tabular} \& \[
\begin{aligned}
\& -.000156363 \\
\& -.002311407
\end{aligned}
\] \& \[
\begin{aligned}
\& 1860.78 \\
\& 5420.13
\end{aligned}
\] \\
\hline Both sexes, 16 to 19 years ........................................................ \& -. 001288452 \& 3131.77 \\
\hline \begin{tabular}{l}
Hispanic origin: \\
Total \(\qquad\) \\
Civilian labor force and not in labor force \(\qquad\) \\
Low correlation characteristics \(\qquad\) \\
Men, civilian labor force and not in labor force \(\qquad\) \\
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years \(\qquad\) \\
Women, 16 years and over and 20 years and over \(\qquad\)
\end{tabular} \& -.000157201
-.000102898
-.002624078
-.000248038

-.000398909

-.000338741 \& $$
\begin{aligned}
& 2774.53 \\
& 1930.51 \\
& 8620.43 \\
& 2347.42 \\
& 3615.62 \\
& 2569.69
\end{aligned}
$$ <br>

\hline Agricultural employment: \& \& <br>

\hline | Total or white: |
| :--- |
| Total $\qquad$ |
| Men $\qquad$ |
| Women or both sexes, 16 to 19 years $\qquad$ | \& \[

$$
\begin{array}{r}
-.000395757 \\
-.000672985 \\
.000130289
\end{array}
$$

\] \& \[

$$
\begin{aligned}
& 3838.04 \\
& 3959.25 \\
& 2367.00
\end{aligned}
$$
\] <br>

\hline | Black: |
| :--- |
| Total or women $\qquad$ |
| Men or both sexes, 16 to 19 years $\qquad$ | \& \[

$$
\begin{aligned}
& -.000122355 \\
& -.019110769
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 2861.72 \\
& 5876.77
\end{aligned}
$$
\] <br>

\hline | Hispanic origin: |
| :--- |
| Total or women $\qquad$ |
| Men or both sexes, 16 to 19 years $\qquad$ | \& \[

$$
\begin{aligned}
& .002872129 \\
& .002884390
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 4640.81 \\
& 4028.10
\end{aligned}
$$
\] <br>

\hline Self-employed.............................................................................. \& -. 000245791 \& 2091.57 <br>
\hline \multicolumn{3}{|l|}{Unemployment: ${ }^{2}$} <br>

\hline | Total or white: |
| :--- |
| Total, men, women $\qquad$ |
| Both sexes, 16 to 19 years and low correlation characteristics .......... | \& \[

$$
\begin{array}{r}
-.000093662 \\
-.000071624
\end{array}
$$

\] \& \[

$$
\begin{aligned}
& 4191.84 \\
& 5121.75
\end{aligned}
$$
\] <br>

\hline | Black: |
| :--- |
| Total, men, women, and both sexes, 16 to 19 years $\qquad$ |
| High correlation characteristics $\qquad$ | \& \[

$$
\begin{array}{r}
-.000414217 \\
.000048170
\end{array}
$$

\] \& \[

$$
\begin{aligned}
& 4361.16 \\
& 3088.91
\end{aligned}
$$
\] <br>

\hline | Hispanic origin: |
| :--- |
| Total, men, women $\qquad$ |
| Both sexes, 16 to 19 years and low correlation characteristics .......... | \& \[

$$
\begin{aligned}
& -.000252897 \\
& -.000996431
\end{aligned}
$$

\] \& \[

$$
\begin{aligned}
& 5054.25 \\
& 7037.75
\end{aligned}
$$
\] <br>

\hline
\end{tabular}

${ }^{1}$ High correlation characteristics include employed full-time, manufacturing, service workers, and not in the labor force. Low correlation characteristics include all part-time workers; employed, with a job, but not at work; unpaid family workers; and precision production, craft, and repair occupations.
${ }^{2}$ High correlation characteristics include full-time jobseekers; job losers; manufacturing workers; and operators, fabricators, and laborers. Low correlation characteristics include part-time jobseekers, reentrants, persons unemployed for less than 5 weeks and from 5 to 14 weeks.

The average of the 2 quarters is $11,400,000$.
Step 2. Obtain the $a$ and $b$ parameters as above and use the formula for $s_{x}$ to compute an approximate standard error for the estimate of $11,400,000$, treating it as an estimate for a single month.
$S_{x}=\sqrt{(-0.000125300)(11,400,000)^{2}+(3139.26)(11,400,000)}=140,000$
Step 3. Multiply this result by the factor .84 from table

1-H (column labeled "Change in quarterly averages" and row labeled "Labor force and not-in-labor-force data other than agricultural employment and unemployment, Black"). This gives an approximate standard error of 118,000 on the estimated change of 400,000 from one quarter to the next.

The estimated change clearly exceeds 2 standard errors; therefore, one could conclude from these data that the change in quarterly averages is significant.

Table 1-H. Factors to be used with tables 1-B, 1-C, 1-D, and 1-F to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages, and change in yearly averages

| Characteristic | Factor |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Year-to year change of monthly estimate | Quarterly averages | Change in quarterly averages | Yearly averages | Change in yearly averages |
| Agricultural employment: |  |  |  |  |  |
| Total or men ................................... | 1.30 | 0.92 | 0.70 | 0.79 | 0.70 |
| Women .......................................... | 1.30 | . 82 | . 84 | . 57 | . 70 |
| Both sexes, 16 to 19 years ................ | 1.30 | . 78 | . 88 | . 49 | . 70 |
| Part time ....................................... | 1.40 | . 80 | . 80 | . 59 | . 70 |
| Unemployment: |  |  |  |  |  |
| Total ............................................ | 1.40 | . 74 | . 88 | . 46 | . 65 |
| Part time ........................................ | 1.40 | . 67 | . 88 | . 42 | . 54 |
| Labor force and not-in-labor-force data other than agricultural employment and unemployment: |  |  |  |  |  |
| Total or white .................................. | 1.30 | . 87 | . 85 | . 65 | . 70 |
| Black ............................................. | 1.30 | . 87 | . 84 | . 65 | . 70 |
| Hispanic origin ................................ | 1.30 | . 87 | . 80 | . 65 | . 70 |
| Both sexes, 16 to 19 years ............... | 1.30 | . 79 | . 88 | . 54 | . 70 |
| Part time ........................................ | 1.40 | . 82 | . 90 | . 51 | . 60 |

## Establishment Data ("B" tables)

## COLLECTION

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 nonfarm establishments (including government). This sample includes about 390,000 reporting units. From these data, a large number of employment, hours, and earnings series in considerable industry and geographic detail are prepared and published each month. Historical statistics are available on the Internet at: http:<br>stats.bls.gov

Each month, the State agencies collect data on employment, payrolls, and paid hours from a sample of establishments. Data are collected by mail from most respondents; phone collection is used to obtain higher response rates from selected respondents through computer-assisted interviews, touch-tone self-response, and voice recognition technology.

The respondents extract the requested data from their payroll records, which must be maintained for a variety of tax and accounting purposes. All firms with 250 employees or more are asked to participate in the survey, as well as a sample of smaller firms.

A "shuttle" schedule (BLS form 790 series) is used for mail respondents. It is submitted each month by the respondents, edited by the State agency, and returned to the respondent for use again the following month.
The technical characteristics of the shuttle schedule are particularly important in maintaining continuity and consistency in reporting from month to month. The shuttle design automatically exhibits the trends of the reported data covered by the schedule during the year; therefore, the relationship of the current data to the data for the previous months is shown. The schedule also has operational advantages. For example, accuracy and economy are achieved by entering the identification codes and the address of the reporter only once a year.

All schedules are edited by the State agencies each month to make sure that the data are correctly reported and that they are consistent with the data reported by the establishment in earlier months and with the data reported by other establishments in the industry. The State agencies forward the data, either on the schedules themselves or in machine-readable form, to BLS-Washington. They also use the information provided on the forms to develop State and area estimates of employment, hours, and earnings. At BLS, the data are edited again by computer to detect processing and reporting errors which may have been missed in the initial State editing; the edited data are used to prepare national estimates.
It should be noted that for employment, the sum of the State figures will differ from the official U.S. national totals because of the effects of differing industrial and geo-
graphic stratification and differences in the timing of benchmark adjustments.

## CONCEPTS

## Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, and earnings for the Nation (beginning with August 1990 data) and for States and areas (beginning with January 1990 data) are classified in accordance with the 1987 Standard Industrial Classification Manual (SIC), Office of Management and Budget.

## Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th day of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during 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 and the National Security Agency are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday, 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, on strike for the entire period, or who were hired but have not yet reported during the period.

Indexes of diffusion of employment change (table B-6). These indexes measure the dispersion among industries of the change in employment over the specified time span.

Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (3-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 3-digit industries.
To derive the indexes, each component industry is assigned a value of 0,50 , or 100 percent, depending on whether its employment showed a decrease, no change, or an increase, respectively, over the time span. The average value (mean) is then calculated, and this percent is the diffusion index number.

The reference point for diffusion analysis is 50 percent, the value which indicates that the same number of component industries had increased as had decreased. Index numbers above 50 show that more industries had increasing employment, and values below 50 indicate that more had decreasing employment. The margin between the percent that increased and the percent that decreased is equal to the difference between the index and its complement, i.e., 100 minus the index. For example, an index of 65 percent means that 30 percent more industries had increasing employment than had decreasing employment $(65-(100-65)=30)$. However, for dispersion analysis, the distance of the index number from the 50 -percent reference point is the most significant observation.

Although diffusion indexes are commonly interpreted as showing the percent of components that increased over the time span, it should be remembered that the index reflects half of the unchanged components as well. (This is the effect of assigning a value of 50 percent to the unchanged components when computing the index.)

## 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 mining, construction workers in construction, and nonsupervisory employees in private ser-vice-producing 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 (e.g., power plant), recordkeeping, 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, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed
by members of the construction trades.
Nonsupervisory employees. These are employees (not above the working supervisory 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 which includes the 12th day of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, and 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 (e.g., 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, etc., paid by the employer) are also excluded.

Hours. These are the hours paid for during the pay period which includes the 12 th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, 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 which 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. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly fig-
ures 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.

Average overtime hours. The overtime hours represent that portion of the average weekly hours which 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 or her 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 where 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 of time; 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 since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under production worker, construction worker, or nonsupervisory employee definitions.

Average hourly earnings, including lump-sum wage payments. These series are compiled only for aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing. The same concepts and estimation methods apply to these series as apply to the average hourly earnings series described above; the one difference between the series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 and SIC 3761
covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12 -month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lumpsum amount to account for persons who received the payment but left before the payment allocation period expired.

Average hourly earnings, excluding overtime. 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 work, late-shift work, and overtime rates other than time and one-half.

Railroad hours and earnings. The figures for Class I railroads plus Amtrak (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

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 work force. 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.

Real earnings. 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 Earners and Clerical Workers (CPIW). The reference year for these series is 1982.

## ESTIMATING METHODS

The Current Employment Statistics (CES) or establishment survey estimates of employment are generated through an annual benchmark and monthly sample link procedure. Annual universe counts or benchmark levels are generated primarily from administrative records on employees covered by unemployment insurance (UI) tax laws. These annual benchmarks, established for March of each year, are projected forward for each subsequent month based on the trend of the sample employment, using an estimation procedure called the link relative. Benchmarks and sample link relatives are computed for each of 1,698 basic estimation cells defined by industry, size, and geography for the CES national estimates, and summed to create aggregate level employment estimates.

## Benchmarks

The establishment survey constructs annual benchmarks in order to realign the sample-based employment totals for March of each year with the UI-based population counts for March. These population counts are much less timely than sample-based estimates; however, they provide an annual point-in-time census for employment.

Population counts are derived from the administrative file of employees covered by UI. All employers covered by UI laws are required to report employment and wage information to the appropriate State employment security agency four times a year. Approximately 98 percent of in-scope private employment is covered by UI. A benchmark for the remaining 2 percent is constructed from alternate sources, primarily records from the Interstate Commerce Commission and the Social Security Administration. The full benchmark developed for March replaces the March sample-based estimate for each basic cell. The monthly sample-based estimates for the year preceding and the year following the benchmark are also then subject to revision.

Monthly estimates for the year preceding the March benchmark are readjusted using a "wedge back" procedure. The difference between the final benchmark level and the previously published March sample estimate is calculated and spread back across the previous 11 months. The wedge is linear; eleven-twelfths of the March difference is added to the February estimates, ten-twelfths to the January estimates, and so on, back to the previous April estimates which receive one-twelfth of the March difference. This assumes that the total estimation error since the last benchmark accumulated at a steady rate throughout the current benchmark year.

Estimates for the 11 months following the March benchmark are also recalculated each year. These post-benchmark estimates reflect the application of sample-based monthly changes to new benchmark levels for March, and the recomputation of bias adjustment factors for each month. Bias factors are updated to take into account the most recent experience of the estimates generated by the monthly
sample versus the full universe counts derived from the UI.
Following the revision of basic employment estimates, all other derivative series (e.g., production workers, average hourly earnings) are also recalculated. New seasonal adjustment factors are calculated and all data series, usually for the previous 5 years, are reseasonally adjusted, prior to full publication of all revised data in June of each year.

## Monthly estimation

Estimates are derived from a sample of approximately 390,000 business establishments nationwide. A current month's estimate is derived as the product of the previous month's estimate and a sample link relative for the current month. A bias adjustment factor is then applied to this result primarily to help account for new business births during the month.

Stratification. The sample is stratified into 1,698 basic estimation cells for purposes of computing national employment, hours, and earnings estimates. Cells are defined primarily by detailed industry, and secondarily by size for a majority of cells. In a few industries, mostly within the construction division, geographic stratification is also used. Industry classification is in accordance with the 1987 Standard Industrial Classification Manual (SIC); most estimation cells are defined at the 4-digit SIC level.

This detailed stratification pattern allows for the production and publication of estimates in considerable industry detail. Sub-industry stratification by size is important because major statistics which the survey measures, particularly employment change and average earnings, often vary significantly between establishments of different size. Stratification reduces the variance of the published industry level estimates.

Link relative technique. A ratio of the previous to the current month's employment is computed from a sample of establishments reporting for both months-this ratio is called a "link relative." For each basic cell, a link relative is computed and applied to the previous month's employment estimate to derive the current month's estimate. Thus a March benchmark is moved forward to the next March benchmark through application of monthly link relatives. Basic cell estimates created through the link relative technique are aggregated to form published industry level estimates, for employment, as described in table 2-A. Basic estimation and aggregation methods for the hours and earnings data are also shown in table 2-A.

Bias adjustment. Bias adjustment factors are computed at the 3-digit SIC level, and applied each month at the basic cell level, as part of the standard estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey, the inability to capture, on a timely basis, employment generated by new firm births. There is a several month lag between an

Table 2-A. Summary of methods for computing industry statistics on employment, hours, and earnings

| Employment, hours, and earnings | Basic estimating cell (industry, region, size or region/size cell) | Aggregate industry level (division and, where stratified, industry) |
| :---: | :---: | :---: |
|  | Monthly data |  |
| All employees ................................. | All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ${ }^{1}$ | Sum of all-employee estimates for component cells. |
| Production or nonsupervisory workers, women employees $\qquad$ | All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ${ }^{2}$ | Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells. |
| Average weekly hours ..................... | Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. ${ }^{2}$ | Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells. |
| Average weekly overtime hours ........ | Production worker overtime hours divided by number of production workers. ${ }^{2}$ | Average, weighted by production worker employment, of the average weekly overtime hours for component cells. |
| Average hourly earnings ................... | Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. ${ }^{2}$ | Average, weighted by aggregate hours, of the average hourly earnings for component cells. |
| Average weekly earnings ................. | Product of average weekly hours and average hourly earnings. | Product of average weekly hours and average hourly earnings. |
|  | Annual average data |  |
| All employees, women employees, and production or nonsupervisory workers $\qquad$ | Sum of monthly estimates divided by 12. | Sum of monthly estimates divided by 12. |
| Average weekly hours ..................... | Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment. | Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers. |
| Average weekly overtime hours ........ | Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment. | Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers. |
| Average hourly earnings .................. | Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours. | Annual total of aggregate payrolls divided by annual aggregate hours. |
| Average weekly earnings ................. | Product of average weekly hours and average hourly earnings. | Product of average weekly hours and average hourly earnings. |

${ }^{1}$ The estimates are computed by multiplying the above product by bias adjustments factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias in the sample.
${ }^{2}$ The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earn-
ings are modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample and, at the same time, tapers or wedges the estimate toward the level of the latest sample average.
establishment opening for business and its appearing on the UI universe frame and being available for sampling. Because new firms generate a portion of employment growth each month of the year, nonsampling methods must be used to capture this growth, otherwise substantial under estimation of total employment levels would occur. Formal bias adjustment procedures have been used by the establishment survey since the late 1960's. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming year. The undercount errors were measured as the difference between sample-based estimate results and benchmark levels.
This procedure eventually proved inadequate during periods of rapidly changing employment trends, and the bias adjustment methodology was revised. Research done in the early 1980's indicated that bias requirements were strongly correlated with current employment growth or decline. Based on this research, a revised method was developed which incorporated the sample data on employment growth over the most recent two quarters, and a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This change in methodology provided a more cyclically sensitive bias model. The regres-sion-adjusted mean error model has been in use since 1983, for the production of national estimates.

The current model still has limitations in its ability to react to changing economic conditions or changing error structure relationships between the sample-based estimates and the UI universe counts. A principal limitation is the inability to incorporate UI universe counts as they become available on an ongoing basis, with a 6- to 9-month lag from the reference period. Thus, the current quarterly outputs from the model are subject to intervention analysis, and adjustments can be made to its results, prior to the establishment of final bias levels for a quarter. Review is done primarily in terms of detection of outlier (i.e. abnormally high or low) values, and by comparison of CES sample and bias trends with the most recent quarterly observations of UI universe counts. The BLS currently has under study improved bias models utilizing a Kalman filter technique, which would allow a more formal, structured incorporation of each quarter's UI universe counts in the bias modeling process.

Although the primary function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other elements of nonsampling error in the survey, because the primary input to the modeling procedure is total estimation error. Significant among these nonsampling error sources is a business death bias. When a sampled firm closes down, most often it simply does not respond to the survey that month, rather than reporting zero employment. Followup with nonrespondents may reveal an out-of-business firm, but this information is often received too late to incorporate into monthly esti-
mates, and the firm is simply treated as a nonrespondent for that month.

Because the bias adjustments incorporated into the estimates represent a composite of a birth bias, death bias, and a number of other differences between the sample-based estimates and the population counts, the monthly bias adjustment levels have no specific economic meaning in and of themselves.

Table 2-B summarizes bias adjustments for the 1987-97 period. The table displays the average monthly "bias added" and the average monthly "bias required" with the benchmark revisions for each year. Bias added shows the average amount of bias which was added each month over the course of an interbenchmark period. For example, the bias added for 1997 is listed as 130,000 ; this represents the average of bias adjustments made each month over the period April 1996 through March 1997. Bias required is computed retrospectively, after the March benchmark for a given year is known. Bias required figures are calculated by taking the difference between a March estimate derived purely from the sample (i.e. a series calculated without bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required is thus defined as the amount of bias adjustment which would have achieved a zero benchmark error. The difference between the total bias required and the total bias added is then, by definition, approximately the benchmark revision amount, for any given year. Also provided in the table for illustration, are the March-to-March changes. As discussed above, the over-the-year changes indicate correlation with the bias added and bias required figures.

## THE SAMPLE

## Design

The emphasis in the establishment survey is on producing timely data at minimum cost. Therefore, the primary goal of its design is to sample a sufficiently large segment of the universe to provide reliable estimates that can be published both promptly and regularly. The present sample allows BLS to produce preliminary total nonfarm employment estimates for each month, including some limited industry detail, within 3 weeks after the reference period, and data in considerably more detail with an additional Imonth lag.

The CES survey, which began over 50 years age, predates the introduction of probability sampling methods and has operated as a quota sample since its inception.

The sampling plan used is a form of sampling with probability proportionate to size, known as "sampling proportionate to average size of establishment". This is an optimum allocation design among strata because sampling variance is proportional to the average size of establishments. The universe of establishment employment is highly skewed, with a large percentage of total employment concentrated in relatively few establishments. Because vari-
ance on a population total estimate is a function of percentage universe coverage achieved by the sample, it is efficient to sample larger establishments at a higher rate than smaller establishments, assuming the cost per sample unit is fairly constant across size classes.

Under the survey design, large establishments fall into a certainty strata for sample selection. The size of the sample for the various industries is determined empirically on the basis of experience and cost considerations. For example, in a manufacturing industry with a high proportion of total employment concentrated in a small number of establishments, a larger percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments, with a relatively few chosen from among the smaller establishments. For an industry in which a large proportion of total employment is concentrated in small establishments, the sample design again calls for inclusion of all large establishments but also for a more substantial number of smaller ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to have a sample design for these industries with a smaller proportion of total universe coverage than is the case for most manufacturing industries.

## Coverage

The establishment survey is the largest monthly sampling operation in the field of social statistics. Table 2-C shows the latest benchmark employment levels and the approximate proportion of total universe employment coverage, at the total nonfarm and major industry division levels. The coverage for individual industries within the divisions may vary from the proportions shown.

## Reliability

The establishment survey, like other sample surveys, is subject to two types of error, sampling and nonsampling error. The magnitude of sampling error, or variance, is directly related to the size of the sample and the percentage of universe coverage achieved by the sample. The establishment survey sample covers over one-third of total universe employment; this yields a very small variance on the total nonfarm estimates. Measurements of error associated with sample estimates are provided in tables 2-D through 2-G.

Benchmark revision as a measure of survey error. The sum of sampling and nonsampling error can be considered total survey error. Unlike most sample surveys which publish sampling error as their only measure of error, the CES can derive an annual approximation of total error, on a lagged basis, because of the availability of the independently derived universe data. While the benchmark error is used as a measure of total error for the CES survey estimate, technically, it actually represents the difference between two independent estimates derived from separate survey processes (i.e., the CES sample process and the UI universe process) and thus reflects the errors present in each program. Historically, the benchmark revision has been very small for total nonfarm employment. Over the past decade, percentage benchmark error has averaged 0.3 percent, with a range from zero to 0.7 percent. Table 2-D shows the most current benchmark revisions, along with 10 -year mean revisions and mean absolute revisions for major industries. Mean revisions give an indication of bias in the estimates; unbiased estimates have a mean revision close to zero, as over and under estimations cancel out over time. Mean absolute revisions give an overall indicator as to the accuracy of the

Table 2-B. March employment benchmarks and bias adjustments for total private industries, March 1987-97 (In thousands)

| Year | Benchmark |  | Average monthly bias |  | Over-the-year employment change ${ }^{5}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Employment ${ }^{1}$ | Revision ${ }^{2}$ | Added ${ }^{3}$ | Required ${ }^{4}$ |  |
| 1987 ............................................. | 83,173 | 21 | 98 | 99 | 1,969 |
| 1988 ............................................. | 86,180 | -310 | 114 | 88 | 3,007 |
| 1989 ............................................. | 89,015 | -93 | 131 | 123 | 2,835 |
| 1990 ............................................. | 90,546 | -261 | 85 | 63 | 1,531 |
| 1991 ............................................. | 88,790 | -583 | 61 | 12 | -1,756 |
| 1992 ............................................. | 88,347 | -130 | 33 | 22 | -443 |
| 1993 | 89,790 | 288 | 83 | 107 | 1,443 |
| 1994 ............................................. | 92,730 | 688 | 115 | 171 | 2,940 |
| 1995 ............................................. | 96,175 | 511 | 144 | 187 | 3,445 |
| 1996 | 98,158 | 72 | 129 | 135 | 1,983 |
| 1997 ............................................. | 101,040 | 518 | 130 | 173 | 2,882 |

[^30]course of an inter-benchmark period, i.e., from April of the prior year through March of the given year.
4 The difference between the March benchmark and the March estimate derived solely from the sample without bias adjustment, converted to a monthly amount by dividing by 12.
5 March-to-March changes in the benchmark employment level.
NOTE: Data in this table exclude government employment because there is no bias adjustment for this sector.
estimates; the larger the value, the further the estimate was from the final benchmark level.

Estimated standard errors for employment, hours, and earnings. The hours and earnings estimates for the basic estimating cells do not have universe data sources available and therefore are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. Like the employment estimates, the hours and earnings estimates are also subject to sampling and nonsampling errors. Estimates of the sampling error for employment, hours, and earnings were computed using the method of random groups and are expressed as relative standard errors (standard error divided by the estimate). Relative standard errors for individual industries with the specified number of employees are presented in table 2-E and for major industries in table 2-F. Multiplying the relative standard error by its estimated value gives the estimate of the standard error. The errors presented here are based on averages observed from sample data over the March 1994 through March 1995 period.

Standard errors for differences between industries and times. The standard error of a difference is required to test for significant differences between estimates from two different industries. Since the estimates for the two industries are independent, the standard error of a difference is the square root of the sum of the estimated variance of each estimate, $\mathrm{S}_{1}{ }^{2}$ and $\mathrm{S}_{2}{ }^{2}$.

$$
S \text { difference }=\sqrt{s_{1}^{2}+s_{2}^{2}}
$$

The CES sample overlaps almost entirely from month to month, so monthly estimates are not independent. The covariance between these estimates must be accounted for when testing the significance of the change in estimates over time. The standard error of the change can be estimated as follows.

$$
S \text { change }=\sqrt{s_{1}^{2}+s_{2}^{2}-2 p s_{1} s_{2}}
$$

If $S_{1}=S_{2}$, then:

$$
\sqrt{2 s_{1}^{2}(1-p)}
$$

Conservative estimates of $p$ after one month are 0.8 for employment, 0.6 for average weekly hours, and 0.8 for average hourly earnings.

If the bias is small, then the standard error can be used to construct approximate confidence intervals or range of values that include the true population value. If the process
of selecting a sample from the population were repeated many times and an estimate and its standard error calculated for each sample, then approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the true population value.

Noneconomic code changes. A major source of benchmark revision at the major industry division level and below are noneconomic code changes, which are introduced into the universe data in the first quarter of each calendar year.

Approximately one-third of all establishments in the universe are included in the universe program's annual Standard Industrial Classification (SIC) refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this process. The refiling cycle is such that every third year entire division(s) are subject to refiling. The volume of these adjustments is generally quite large and has a substantial impact on universe employment counts at the industry levels, although the total nonfarm employment level remains unaffected. For example, in a year when the services division is refiled, a substantial

Table 2-C. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1997

| Industry | Benchmarks (thousands) | Sample coverage ${ }^{1}$ |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Number of establishments | Employees |  |
|  |  |  | Number (thousands) | Percent of benchmarks |
| Total ............ | 120,903 | 316,992 | 44,036 | 36 |
| Mining ................ | 580 | 3,057 | 225 | 39 |
| Construction ....... | 5,260 | 25,915 | 1,010 | 19 |
| Manufacturing ..... | 18,519 | 56,104 | 8,654 | 47 |
| Transportation and public utilities ..... | 6,331 | 216,398 | 2,263 | 36 |
| Wholesale trade .. | 6,567 | 25,215 | 1,148 | 17 |
| Retail trade .......... | 21,467 | 60,605 | 5,086 | 24 |
| Finance, insurance, and real estate ... | 6,988 | 21,824 | 2,005 | 29 |
| Services ............. | 35,328 | 75,482 | 8,333 | 24 |
| Government: <br> Federal |  | 35,145 |  | 100 |
| State ................... | 2,700 | 5,145 6,880 | 3,748 | 82 |
| Local ............... | 12,471 | 20,367 | 8,764 | 70 |

[^31]Table 2-D. Current (March 1997) and historical benchmark revisions
(Numbers in thousands)

| Industry | March 1997 benchmark revision |  | 10-year average mean percent revision ${ }^{1}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Level | Percent | Actual | Absolute |
| Total ..... | 431 | 0.4 | 0.1 | 0.3 |
| Total private .................................................... | 518 | . 5 | . 1 | . 4 |
| Goods-producing ........................................................ | 196 | . 8 | . 1 | . 8 |
| Mining ................................................................... | 18 | 3.1 | -. 6 | 1.7 |
| Metal mining ........................................................ | -1 | -1.9 | -1.7 | 3.3 |
| Coal mining ......................................................... | 4 | 4.2 | -1.0 | 2.6 |
| Oil and gas extraction ........................................... | 14 | 4.3 | -. 4 | 2.4 |
| Nonmetalic minerals, except fuels .......................... | 0 | 0 | -. 4 | 1.6 |
| Construction ........................................................... | 56 | 1.1 | -. 4 | 1.3 |
| General building contractors ................................... | 10 | . 8 | -. 6 | 2.3 |
| Heavy construction, except building ......................... | 24 | 3.4 | . 6 | 2.1 |
| Special trade contractors ...................................... | 22 | . 7 | -. 6 | 1.2 |
| Manufacturing ........................................................... | 122 | . 7 | . 2 | . 7 |
| Durable goods ...................................................... | 73 | . 7 | . 3 | . 8 |
| Lumber and wood products .................................. | -4 | -. 5 | . 2 | 1.7 |
| Furniture and fixtures ......................................... | 2 | . 4 | . 3 | 1.1 |
| Stone, clay, and glass products ........................... | 10 | 1.9 | .5 -1 | . 8 |
| Primary metal industries .................................... | 0 | 0 -4 | -. 1 | .8 1.2 |
| Blast furnaces and basic steel products ............. | -1 | -. 4 | . 6 | 1.2 |
| Fabricated metal products .................................. | 3 | . 2 | - 2 | . 7 |
| Industrial machinery and equipment ...................... | 9 | . 4 | ${ }^{(2)}$ | 1.2 |
| Computer and office equipment ......................... | -4 | -1.1 | -. 6 | 2.0 |
| Electronic and other electrical equipment ............... | 30 | 1.8 | -. 2 | .9 1.9 |
| Electronic components and accessories ............. | 22 | 3.5 | . 1 | 1.9 |
| Transportation equipment .................................... | 14 | . 8 | . 9 | 1.0 |
| Motor vehicles and equipment ........................... | 14 | 1.4 | 1.3 | 1.3 |
| Aircraft and parts ............................................ | -5 | -1.0 | . 8 | 1.4 |
| Instruments and related products ......................... | 6 | . 8 | . 3 | 1.9 |
| Miscellaneous manufacturing ............................... | 3 | . 8 | . 3 | 1.4 |
| Nondurable goods ................................................. | 49 | . 6 | . 2 | . 7 |
| Food and kindred products .................................. | -2 | -. 1 | . 2 | . 9 |
| Tobacco products ............................................... | 0 | 0 | . 4 | 4.0 |
| Textile mill products ........................................... | 8 | 1.3 | .1 | . 9 |
| Apparel and other textile products ........................ | 12 | 1.4 | . 3 | 1.3 |
| Paper and allied products ................................... | 9 | 1.3 | . 5 | . 7 |
| Printing and publishing ..................................... | 9 | . 6 | -. 2 | . 8 |
| Chemicals and allied products ............................. | 6 | . 6 | ( ${ }^{2}$ ) | .9 .7 |
| Petroleum and coal products .............................. | 0 | 0 | -. 5 | 1.7 |
| Rubber and miscellaneous plastics products ......... | 6 | . 6 | .5 -1 | 1.5 |
| Leather and leather products ................................ | 0 | 0 | -. 1 | 2.1 |
| Service-producing ....................................................... | 235 | . 2 | . 1 | . 3 |
| Transportation and public utilities ................................. | -22 | -. 3 | -. 3 | 1 |
| Transportation .................................................... | -61 | -1.5 | -. 6 | 1.4 |
| Railroad transportation ....................................... | -1 | -. 4 | -1.1 | 1.1 |
| Local and interurban passenger transit .................. | -7 -13 | -1.5 | -.5 -17 | 2.1 |
| Trucking and warehousing .................................. | -13 | -.8 | -1.7 | 2.9 3.5 |
| Water transportation ........................................... | 3 | 1.7 | . 4 | 3.5 5 |
| Transportation by air .......................................... | -46 | -4.1 | 2.0 | 5.3 5. |
| Pipelines, except natural gas ............................... | 0 | 0 | 6 -13 | 5.2 3.0 |
| Transportation services ...................................... | 2 | .5 .7 | -1.3 | 3.0 |
| Communications and public utilities ......................... | 39 | 1.7 | . | 1.2 |
| Communications ................................................ | -32 | 3.0 -3 | - 1 | 1.9 |
| Electric, gas, and sanitary services ....................... | -3 | -. 3 | -. 1 | . 7 |
| Wholesale trade ...................................................... | -4 | -. 1 | -. 5 | 1.2 |
| Durable goods ..................................................... | 5 | 1 | -. 5 | 1.5 |
| Nondurable goods ................................................ | -9 | -. 3 | -. 5 | 1.0 |

See footnotes at end of table.

| Industry | March 1997 benchmark revision |  | 10-year average mean percent revision ${ }^{\top}$ |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Level | Percent | Actual | Absolute |
| Retail trade ............................................................. | -27 | -. 1 | . 4 | . 6 |
| Building materials and garden supplies .................................................................. | 6 | . 7 | . 1 | 1.5 |
| General merchandise stores ................................... | -76 | -2.9 | 1.8 | 2.9 |
| Department stores ................................................ | -65 | -2.8 | 2.4 | 3.7 |
| Food stores ...................................................................................... | 2 | . 1 | -. 2 | . 7 |
| Automotive dealers and service stations ................... | -9 | -. 4 | -1.1 | 1.1 |
| New and used car dealers ................................... | -6 | -. 6 | -. 7 | 1.0 |
| Apparel and accessory stores .................................... | -7 | -. 7 | 1.1 | 1.6 |
| Furniture and home furnishings stores ..................... | -32 | -3.3 | -. 7 | 1.4 |
| Eating and drinking places .................................... | 118 | 1.6 | . 8 | 1.2 |
| Miscellaneous retail establishments ........................ | -27 | -1.0 | . 1 | . 9 |
| Finance, insurance, and real estate ............................ | 37 | . 5 | -. 3 | 1.2 |
| Finance .............................................................. | 9 | . 3 | -. 7 | 1.3 |
| Depository institutions ........................................ | -15 | -.7 | -1.1 | 1.4 |
| Commercial banks ........................................... | -24 | -1.7 | -. 6 | . 9 |
|  | 8 | 3.1 | -3.6 | 6.1 |
| Nondepository institutions | 20 | 3.6 | 1.2 | 2.5 |
| Mortgage bankers and brokers | 6 | 2.4 | 1.1 | 5.0 |
| Security and commodity brokers .......................... | 4 | . 7 | . 1 | 1.2 |
| Holding and other investment offices ..................... | 1 | . 5 | -3.7 | 1.0 1.3 |
| Insurance ............................................................... | 27 | 1.2 | . 4 | 1.3 |
| Insurance carriers ............................................. | 23 | 1.5 | . 5 | 1.6 |
| Insurance agents, brokers, and service Real estate $\qquad$ | 4 1 | .6 .1 | -. 4 | 1.5 |
| Services ${ }^{4}$ | 338 | 1.0 | . 2 | . 6 |
| Agricultural services ............................................. | 8 | 1.4 | 2.0 | 2.2 |
| Hotels and other lodging places .............................. | -4 | -. 2 | . 5 | 1.3 |
| Personal services ................................................. | -13 | -1.0 | . 7 | 1.5 |
| Business services ................................................ | 218 | 2.8 | . 7 | 2.0 |
| Services to buildings ......................................... | 31 | 3.4 | 1.3 | 1.7 |
| Personnel supply services .................................. | 118 | 4.2 | 1.7 | 3.8 3.1 |
| Help supply services ${ }^{3}$.................................... | 130 | 5.2 | 2.0 | 3.1 |
| Computer and data processing services ................ | 64 -12 | 4.7 -1.1 | - ${ }^{2}$ ) | 3.3 1.5 |
| Auto repair, services, and parking ............................ | -12 -9 | -1.1 -2.4 | -1.2 | 1.5 4.8 |
| Miscellaneous repair services ................................ | -9 | -2.4 | -.8 -1.8 | 4.8 |
| Motion pictures .................................................... | 7 33 | 1.3 2.3 | -1.8 | 2.8 |
| Amusement and recreation services ........................................................................... | 29 | 2 | -. 7 | . 8 |
| Healthes and clinics of medical doctors .................................................. | -1 | -. 1 | -. 9 | 1.6 |
| Nursing and personal care facilities ....................... | -5 | -. 3 | -. 6 | . 8 |
| Hospitals .......................................................... | -6 | -. 2 | -. 8 | . 8 |
| Home health care services ${ }^{3}$................................. | 29 | 4.1 | 1.5 | 2.8 |
| Legal services ..................................................... | -81 | -. 9 | -. 5 | 1.2 |
| Educational services ............................................ | 31 | 1.4 | 1.2 | 2.8 |
| Social services ................................................... | 31 | 1.2 | -.3 | 1.6 |
| Child day care services ...................................... | -15 | -2.6 | -2.8 | 4.8 |
| Residential care ............................................... | 16 | 2.3 | .1 1.9 | 1.6 2.5 |
| Museums and botanical and zoological gardens ........ | 3 53 | 3.6 2.4 | 1.9 | 2.5 3.3 |
| Membership organizations .................................... | 5 -7 | 2.4 | 2.6 .1 | 3.3 1.4 |
| Engineering and management services ${ }^{3}$..................... | -7 -9 | -.2 -1.1 | .1 -.8 | 1.4 1.3 |
| Engineering and architectural services Management and public relations ${ }^{3}$ | -12 | -1.3 | . 9 | 3.3 |
| Services, nec ...................................................... | 0 | 0 | . 3 | . 7 |
| Government ........................................................... | -87 | -. 4 | $\left.{ }^{2}\right)$ | . 2 |
| Federal ............................................................. | 0 | 0 | 0 | 0 |
| Federal, except Postal Service ............................. | - 0 | -12 | 0 | 6 |
| State ................................................................... | -56 | -1.2 | 3 | 1.2 |
| Education ...................................................... | -15 | -. 6 | . 2 | . 5 |
| Local ................................................................. | -31 | -. 2 | $\left({ }^{2}\right)$ | . 3 |
| Education ......................................................................................... | 1 | 0 | -. 1 | . 3 |
| Other local government ...................................... | -33 | -. 6 | 0 | . 4 |
| ${ }^{1}$ Data relate to the 1988-97 benchmarks, as originally published, unless otherwise noted. <br> ${ }^{2}$ Less than 0.05 percent. |  | ${ }^{3}$ Data relate to 1989-97. <br> ${ }^{4}$ Includes other industries, not shown separately. |  |  |

Table 2-E. Relative standard errors' for estimates of employment, hours, and earnings
(In percent)

| Size of employment estimate | Employment | Average weekly hours | Average hourly earnings |
| :---: | :---: | :---: | :---: |
| 50,000. | 1.4 | 1.9 | 3.2 |
| 100,000 ......................... | 1.1 | 1.5 | 2.6 |
| 200,000 ....................... | . 8 | 1.2 | 2.2 |
| 500,000 ....................... | . 6 | . 9 | 1.7 |
| 1,000,000 ..................... | . 4 | . 7 | 1.3 |
| 2,000,000 ..................... | . 3 | . 6 | 1.1 |

'Relative errors were estimated with sample data from March 1994-March 1995.

Table 2-F. Relative standard errors' for estimates of employment, hours, and earnings by industry
(In percent)

| Industry | Employment | Average weekly hours | Average hourly earnings |
| :---: | :---: | :---: | :---: |
| Total private ............ | 0.1 | 0.1 | 0.2 |
| Mining ......................... | . 8 | . 6 | 1.1 |
| Construction .................. | . 4 | . 1 | . 3 |
| Manufacturing ................ | . 1 | . 1 | . 4 |
| Durable goods ............ | . 1 | . 1 | . 5 |
| Nondurable goods ....... | . 1 | . 1 | . 5 |
| Transportation and public utilities $\qquad$ | . 3 | . 5 | 1.0 |
| Wholesale trade ............. | . 2 | . 2 | . 4 |
| Retail trade ................... | . 1 | . 1 | . 3 |
| Finance, insurance, and real estate $\qquad$ | . 2 | . 2 | . 7 |
| Services ....................... | . 2 | . 2 | . 4 |

${ }^{1}$ Relative errors were estimated with sample data from March 1994-March 1995.
amount of employment is usually reclassified out of services to other major divisions, thus, lowering the benchmark level for services, and potentially causing a significant downward revision in the services employment totals previously published.

Revisions between preliminary and final data. First preliminary estimates of employment, hours, and earnings, based on less than the total sample, are published immediately following the reference month. Final revised sample-
based estimates are published 2 months later when nearly all the reports in the sample have been received. Table 2-G presents the root-mean-square error, the mean percent, and the mean absolute percent revision that may be expected between the preliminary and final employment estimates.

Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings, at the total private nonfarm level, and may be slightly larger for the more detailed industry groupings.

## STATISTICS FOR STATES AND AREAS

## (Tables B-7, B-14, and B-18)

As explained earlier, State agencies in cooperation with BLS collect and prepare State and area employment, hours, and earnings data. These statistics are based on the same establishment reports used by BLS, however, BLS uses the full CES sample to produce monthly national employment estimates, while each State agency uses its portion of the sample to independently develop a State employment estimate.

The CES area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of Employment and Earnings that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue.

Caution in aggregating State data. The national estimation procedures used by BLS are designed to produce accurate national data by detailed industry; correspondingly the State estimation procedures are designed to produce accurate data for each individual State. State estimates are not forced to sum to national totals nor vice versa. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause distortions at an aggregate level. This has been a particular problem at turning points in the U.S. economy, when the majority of the individual State errors tend to be in the same direction. Due to these statistical limitations, the Bureau does not compile or publish a "sum-of-States" employment series. Additionally, BLS cautions users that such a series is subject to a relatively large and volatile error structure, particularly at turning points.

Table 2-G. Errors of preliminary employment estimates

| Industry | Root-mean-square error of monthly level ${ }^{1}$ | Mean percent revision |  |
| :---: | :---: | :---: | :---: |
|  |  | Actual | Absolute |
| Total............................................................. | 57,900 | 0 | 0 |
| Total private ..................................................... | 49,000 | 0 | 0 |
| Goods-producing ....................................................... | 13,200 | 0 | 0 |
| Mining ................................................................. | 1,800 | 0 | . 2 |
| Metal mining ...................................................................................... | 300 | -. 1 | . 4 |
| Coal mining ............................................................................ | 800 | . 1 | . 6 |
| Oil and gas extraction ........................................... | 1,800 | 0 | 4 |
| Nonmetallic minerals, except fuels ......................... | 300 | 0 | . 2 |
| Construction ......................................................... | 8,000 | .1 | . 1 |
| General building contractors ................................... | 4,000 | . 1 | . 3 |
| Heavy construction, except building ......................... | 3,500 | 0 | 4 |
| Special trade contractors ...................................... | 4,800 | . 1 | . 1 |
| Manufacturing ........................................................ | 9,000 | 0 | 0 |
| Durable goods ................................................... | 6,400 | 0 | 0 |
| Lumber and wood products ................................. | 1,300 | 1 | 1 |
| Furniture and fixtures ........................................ | 1,200 | 0 | 2 |
| Stone, clay, and glass products ............................ | 1,100 1,700 | 0 | . 2 |
| Primary metal industries ............................................ | 1,700 1,400 | 0 | . 4 |
| Fabricated metal products ................................... | 2,000 | 0 | . 1 |
| Industrial machinery and equipment ...................... | 2,500 | 0 | . 1 |
| Computer and office equipment ......................... | 1,500 | 2 | 3 |
| Electronic and other electrical equipment ................ | 2,400 | 0 | 2 |
| Electronic components and accessories .............. | 1,400 | 0 | . 2 |
| Transportation equipment ................................... | 4,200 3,700 | . 1 | . 3 |
| Motor vehicles and equipment $\qquad$ Aircraft and parts | 3,700 1,600 | 0 | . 2 |
| Anstruments and related products ................................................... | 1,600 | 0 | . 1 |
| Misceilaneous manufacturing ............................. | 1,100 | . 1 | . 2 |
| Nondurable goods ............................................... | 4,700 | 0 | . 1 |
| Food and kindred products ................................. | 2,800 | -1 5 | . 1 |
| Tobacco products ............................................... | 500 1,100 | . 5 | . 9 |
| Textile mill products ........................................ | 2,500 | . 1 | 2 |
| Paper and allied products ........................................ | 1,200 | 0 | . 1 |
| Printing and publishing ......................................... | 1,600 | . 1 | . 1 |
| Chemicals and allied products ............................. | 1,700 | -. 1 | . 1 |
| Petroleum and coal products ............................... | 900 | 0 | . 4 |
| Rubber and miscellaneous plastics products .......... | 1,500 600 | 0 | . 1 |
| Leather and leather products .............................. | 600 | 0 |  |
| Service-producing ..................................................... | 53,500 | 0 | 0 |
| Transportation and public utilities ............................... | 10,000 | -. 1 | 1 |
| Transportation ................................................... | 9,000 2,200 | -. 1 | . 7 |
| Railroad transportation ........................................ | 2,200 3,700 | -. 1 | . 6 |
| Local and interurban passenger transit .................................................... | 3,700 5,800 | -. 2 | . 2 |
| Trucking and warehousing <br> Water transportation | 1,500 | -. 3 | . 8 |
| Transportation by air ................................................................... | 4,700 | -. 1 | . 4 |
| Pipelines, except natural gas ............................... | 200 | -. 3 | 7 |
| Transportation services ..................................... | 1,200 | -. 1 | 2 |
| Communications and public utilities ......................... | 4,300 3 | 0 | .1 |
| Communications .......................................................... | 3,800 1,700 | 0 | . 1 |
| Wholesale trade ..................................................... | 7,300 | . 1 | . 1 |
| Durable goods ........................................................................................ | 4,200 | . 1 | 1 |
| Nondurable goods .................................................. | 4,800 | . 1 | . 1 |

See footnotes at end of table.

Table 2-G. Errors of preliminary employment estimates-Continued

| Industry | Root-mean-square error of monthly level ${ }^{1}$ | Mean percent revision |  |
| :---: | :---: | :---: | :---: |
|  |  | Actual | Absolute |
| Retail trade .......................................................... | 33,100 | . 1 | . 1 |
| Building materials and garden supplies ...................... | 2,500 | 0 | . 2 |
| General merchandise stores ................................. | 18,700 | . 1 | . 5 |
| Department stores ............................................ | 17,300 | . 1 | . 5 |
| Food stores ...................................................... | 6,100 | . 1 | . 1 |
| Automotive dealers and service stations .................................................. | 2,900 1,200 | -.1 -.1 | . 1 |
| Apparel and accessory stores ......................................... | 5,900 | . 2 | . 4 |
| Furniture and home furnishings stores ............................. | 3,500 | . 1 | . 3 |
| Eating and drinking places ..................................... | 11,700 | . 1 | . 1 |
| Miscellaneous retail establishments ......................... | 8,600 | . 2 | . 3 |
| Finance, insurance, and real estate ............................ | 5,900 | 0 | . 1 |
| Finance ........................................................... | 3,400 | 0 | 1 |
| Depository institutions ....................................... | 2,400 | 0 | . 1 |
| Commercial banks ......................................... | 1,800 | 0 | . 1 |
| Savings institutions ........................................ | 1,200 | -. 1 | 3 |
| Nondepository institutions ................................... | 1,400 | . 1 | . 2 |
| Mortgage bankers and brokers .......................... | 1,000 1,000 | 0 | . 2 |
| Security and commodity brokers Holding and other investment offices | 1,000 1,600 | 0 | . 2 |
| Insurance ............................................................... | 2,800 | 0 | . 1 |
| Insurance carriers .......................................................................... | 2,600 | 0 | . 1 |
| Insurance agents, brokers, and service .................. | 1,100 | . 1 | . 1 |
| Real estate ....................................................... | 2,600 | 0 | 2 |
| Services ${ }^{2}$............................................................ | 29,600 | 0 | . 1 |
| Agricultural services ............................................ | 2,800 | . 1 | . 4 |
| Hotels and other lodging places ............................. | 6,200 | . 1 | . 3 |
| Personal services ............................................... | 7,900 | -. 1 | .4 |
| Business services ............................................... | 12,600 | . 1 | ${ }^{1}$ |
| Services to buildings ....................................... | 2,600 | 1 | . 2 |
| Personnel supply services $\qquad$ Help supply services $\qquad$ | 11,100 10,700 | . 1 | . 3 |
| Computer and data processing services .................... | 2,500 | . 1 | . 2 |
| Auto repair, services, and parking ........................... | 2,100 | 0 | . 2 |
| Miscellaneous repair services ................................ | 1,100 | 0 | . 2 |
| Motion pictures .................................................. | 5,700 | 0 | . 7 |
| Amusement and recreation services ......................... | 9,000 | . 2 | . 5 |
| Health services ............................................... | 5,300 | 0 | 0 |
| Offices and clinics of medical doctors ................... | 2,600 1,700 | 0 | . 1 |
| Nursing and personal care facilities $\qquad$ Hospitals $\qquad$ | 3,100 | 0 | . 1 |
| Home health care services .................................................................. | 2,000 | . 1 | . 3 |
| Legal services ................................................... | 1,400 | 0 | . 1 |
| Educational services ........................................... | 13,200 | . 1 | . 6 |
| Social services .................................................. | 8,300 | 1 | . 3 |
| Child day care services ..................................... | 4,600 | 2 | . 6 |
| Residential care ............................................. | 1,400 | 0 | . 6 |
| Museums and botanical and zoological gardens ......... | 700 3,400 | 2 | . 1 |
| Membership organizations .ent........................... | 4,900 | 0 | . 1 |
| Engineering and architectural services .................... | 2,300 | 0 | . 2 |
| Management and public relations . ........................ | 3,300 | 1 | . 3 |
| Services, nec ................................................... | 400 | 0 | . 7 |
| Government ......................................................... | 19,700 | 0 | . 1 |
| Federal ............................................................ | 9,400 | 0 | . 2 |
| Federal, except Postal Service ............................ | 8,500 |  | . 3 |
| State ............................................................... | 11,200 | 0 | . 2 |
| Education ....................................................... | 10,100 | 0 | . 4 |
| Other State government ...................................... | 5,200 | 0 | . 2 |
| Local .............................................................. | 16,200 | 0 | . 1 |
| Education ..................................................... | 13,600 11,000 | . 1 | .1 .1 |
| Other local government ..................................... | 11,000 | 0 |  |

The root-mean-square error is the square root of the mean squared error. The mean squared error is the square of the difference between the final and preliminary estimates averaged across a series of monthly observations.
${ }^{2}$ Includes other industries, not shown separately.
NOTE: Errors are based on differences from January 1993 through December 1997.

# Region, State, and Area Labor Force Data ("C" tables) 

## FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which derive from standardized procedures developed by BLS are the basis for determining eligibility of an area for benefits under Federal programs such as the Job Training Partnership Act.

Annual average data for the States and 334 areas shown in table C-3 are published in Employment and Earnings (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, Geographic Profile of Employment and Unemployment.

Labor force estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. The report "Unemployment in States and Local Areas" is published monthly through GPO and is available in microfiche form only, on a subscription basis.

## ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 6,500 areas, including nearly 2,400 LMA's, counties, and cities with a population of 25,000 or more. Regional aggregations are derived by summing the State estimates. The estimation methods are described below for States (and the District of Columbia) and for subState areas. At the sub-LMA (county and city) level, estimates are prepared using disaggregation techniques based on decennial and annual population estimates and current unemployment insurance data. A more detailed description of the estimation procedure is contained in the BLS document, Manual for Developing Local Area Unemployment Statistics.

## Estimates for States

Current monthly estimates. Effective January 1996, civilian labor force and unemployment estimates for all States and the District of Columbia are produced using models based on a "signal-plus-noise" approach. The model of the
signal is a time series model of the true labor force which consists of three components: A variable coefficient regression, a flexible trend, and a flexible seasonal component. The regression techniques are based on historical and current relationships found within each State's economy as reflected in the different sources of data that are available for each State-the Current Population Survey (CPS), the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. The noise component of the models explicitly accounts for auto correlation in the CPS sampling error and changes in the average magnitude of the error. In addition, the models can identify and remove the effects of outliers in the historical CPS series. While all the State models have important components in common, they differ somewhat from one another to better reflect individual State characteristics.

Two models-one for the employment-to-population ratio and one for the unemployment rate-are used for each State. The employment-to-population ratio, rather than the employment level, and the unemployment rate, rather than the unemployment level, are estimated primarily because these ratios are usually more meaningful for economic analysis.

The employment-to-population ratio models use the relationship between the State's monthly employment from the CES and the CPS. The models also include trend and seasonal components to account for movements in the CPS not captured by the CES series. The seasonal component accounts for the seasonality in the CPS not explained by the CES, while the trend component adjusts for long-run systematic differences between the two series.

The unemployment rate models use the relationship between the State's monthly unemployment insurance (UI) claims data and the CPS unemployment rate, along with trend and seasonal components.

In both the employment-to-population ratio and unemployment rate models, an important feature is the use of a technique that allows the equations to adjust automatically to structural changes that occur. The regression portion of the model includes a built-in tuning mechanism, known as the Kalman Filter, which revises a model's coefficients when the new data that become available each month indicate that changes in the data relationships have taken place. Once the estimates are developed from the models, levels are calculated for employment, unemployment, and labor force.

Benchmark correction procedures. Once each year, monthly estimates for all States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a pro-
cedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual average, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

## Estimates for sub-State areas

Monthly labor force, employment, and unemployment estimates for two large sub-State areas -New York City and the Los Angeles-Long Beach metropolitan area-are obtained using the same modeling approach as for states. Estimates for the nearly 2,400 remaining LMA's, are prepared through indirect estimation techniques, described below.

Preliminary estimate-employment. The total civilian employment estimates are based largely on CES data. These "place-of-work" estimates must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed on the basis of employment relationships at the time of the 1990 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not represented in the CES-agricultural employees, nonagricultural self-employed and unpaid family workers, and private household workers.

Preliminary estimate-unemployment. In the current month, the estimate of unemployment is an aggregate of the estimates for each of two categories: (1) Persons who were previously employed in industries covered by State UI laws; and (2) those who were entering the civilian labor force for the first time or reentering after a period of separation.

Sub-State adjustment for additivity. Estimates of employment and unemployment are prepared for the State and all LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment is applied to all sub-State preliminary LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment. For California and New York, the proportional adjustment is applied to all LMA's other than the two modeled areas, to ensure that the LMA estimates sum to an independent model-based estimate for the balance of State.

Benchmark correction. At the end of each year, sub-State estimates are revised. The revisions incorporate any changes in the inputs, such as revisions in the CES-based employment figures, corrections in UI claims counts, and updated historical relationships. The updated estimates are then readjusted to add to the revised (benchmarked) State estimates of employment and unemployment.

## Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, because they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published monthly in Employment and Earnings.

## Household data

Since January 1980, national labor force data have been seasonally adjusted with a procedure called X-II ARIMA (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the standard X-II method. A detailed description of the procedure appears in The X-II ARIMA Seasonal Adjustment Method by Estela Bee Dagum, Statistics Canada Catalogue No. 12564E, January 1983.

BLS uses an extension of X-11 ARIMA to allow it to adjust more adequately for the effects of the presence or absence of religious holidays in the April survey reference period and of Labor Day in the September reference period. This extension was applied for the first time at the end of 1989 to three persons-at-work labor force series which tested as having significant and well-defined effects in their April data associated with the timing of Easter.

At the beginning of each calendar year, projected seasonal adjustment factors are calculated for use during the Janu-ary-June period. In July of each year, BLS calculates and publishes in Employment and Earnings projected seasonal adjustment factors for use in the second half, based on the experience through June. Revisions of historical data, usually for the most recent 5 years, are made only at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970. In 1994, data were revised only for that year because of the major redesign and

1990 census-based population controls, adjusted for the estimated undercount, introduced into the Current Population Survey. In 1996, 1990-93 data also were revised to incorporate these 1990 census-based population controls and seasonally adjusted series were revised back to 1990. Subsequent revisions are only carried back to 1994.

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force compo-nents-agricultural employment, nonagricultural employment, and unemployment-data for four sex-age groups (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is a sum of eight seasonally adjusted civilian employment components and four seasonally adjusted unemployment components. The total for unemployment is the sum of the four unemployment components, and the unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

In each January issue (March issue in 1996), Employment and Earnings publishes revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate the civilian unemployment estimate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure.

## Establishment data

Effective in June 1997, with the release of the March 1996 benchmark revisions, BLS began using an updated version of the X-12 ARIMA software developed by the Bureau of the Census to seasonally adjust national establishment-based employment, hours, and earnings series. The X-12 ARIMA (first introduced in June 1996) replaces the X-1 I ARIMA, which had been used to adjust these series since the early 1980's. All national establishment-based series were revised back to 1988 .

The conversion to X-12 ARIMA allows BLS to refine its seasonal adjustment procedures to control for survey interval variations, sometime referred to as the 4 -vs. 5 -week effect. While the CES survey is referenced to a consistent concept, the pay period including the 12th day of the month, inconsistencies arise because there are variations of 4 or 5 weeks between the week of the 12th in any given pair of months. In highly seasonal months and industries, this varia-
tion can be an important determinant of the magnitude of seasonal hires or layoffs that have occurred at the time the survey is taken, thereby complicating seasonal adjustment. The interval effect adjustment is accomplished through the REGARIMA (regression with auto-correlated errors) option in the X-12 software. This process combines standard regression analysis, which measures correlations between two or more variables, with ARIMA modeling, which describes and predicts the behavior of a data series based on its own past history. In this application, the correlations of interest are those between employment levels in individual calendar months and the length of the survey intervals for those months. The REGARIMA models estimate and remove the variation in employment levels attributable to 11 separate survey intervals, one specified for each month, except March. March is excluded because there are always 4 weeks between the February and March surveys.

Projected seasonal factors for the establishment-based series are calculated and published twice a year, paralleling the procedure used for the household series. Revisions to historical data are made once a year, coincident with benchmark revisions. All series are seasonally adjusted using multiplicative models in X-12; additive models are not considered. Seasonal adjustment factors are computed and applied at component levels. For employment series, these are generally the 2-digit SIC levels. Seasonally adjusted totals are arithmetic aggregations for employment series and weighted averages of the seasonally adjusted data for hours and earnings series.

Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing the average weekly earnings series by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100 . Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours by production or nonsupervisory workers and dividing by the 1982 annual average base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours for the appropriate component industries and dividing by the 1982 annual average base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These series, however, are used in the aggregation to broader level seasonally adjusted series.

Seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census workers for the decennial census, however, are removed prior to the calculation of seasonal adjustment factors.

BLS also makes special adjustments for floating holidays for the establishment-based series on average weekly hours and manufacturing overtime hours. From 1988 forward, these adjustments are now accomplished as part of the X-12 ARIMA/REGARIMA modeling process rather than through the previously used moving-holiday extension of X-11 ARIMA. The special adjustment made in November each year to adjust for the effect of poll workers in the local government employment series also is incorporated into the X 12 process from 1988 forward; this replaces the $\mathrm{X}-11$ ARIMA-based procedure previously used to account for this effect.

Revised seasonally adjusted national establishment-based series based on the experience through March 1997, new seasonal adjustment factors for March-October 1997, and a description of the current seasonal adjustment procedure appear in the June 1997 issue of Employment and Earnings. Revised factors for the September 1997-April 1998 period will appear in the December issue.

Beginning in 1993, BLS introduced publication of seasonally adjusted nonfarm payroll employment data by major industry for all States and the District of Columbia (table B-7). Seasonal adjustment factors are applied directly to the employment estimates at the division level (component series for manufacturing and trade) and then aggregated to the State totals. The recomputation of seasonal factors and historical revisions are made coincident with the annual benchmark adjustments. State estimation procedures are designed to produce accurate (unadjusted and seasonally adjusted) data for each individual State. BLS independently develops a national employment series; State estimates are not forced to sum to national totals. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause significant distortions at an aggregate level. Due to these statistical limitations, BLS does not compile a "sum-of-States" employment series, and cautions users that such a series is subject to a relatively large and volatile error structure.

## Region and State labor force data

Beginning in 1992, BLS introduced publication of seasonally adjusted labor force data for the census regions and divisions, the 50 States, and the District of Columbia (tables $\mathrm{C}-1$ and C-2). Beginning in 1998, regional aggregations are derived by summing the State estimates. Using the X-11 ARIMA procedure, seasonal adjustment factors are computed and applied independently to the component employment and unemployment levels and then aggregated to regional or State totals. Current seasonal adjustment factors are produced for 6-month periods twice a year. Historical revisions usually are made at the beginning of each calendar year. Because of the separate processing procedures, totals for the Nation, as a whole, differ from the results obtained by aggregating regional or State data.

TABLE KEY: A: Monthly household data; B: Monthly national and State and area establishment data; C: Monthly regional. State, and area labor force data; D: Quarterly, household data only, in the January, April, July, and October issues. Annual averages: Household data in the January issue; national establishment data in the January, March, and June issues; State and area establishment and labor force data in the May issue. For additional information see the listing on the inside front cover of this publication.




[^0]:    ' The changes were described in "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of this publication.

[^1]:    ${ }^{2}$ The primary documentation for the X-11 ARIMA procedure is The X-II ARIMA Seasonal Adjustment Method, by Estela Bee Dagum (Statistics Canada Catalogue No. 12-564E, January 1983). (ARIMA is an acronym for Auto-Regressive Integrated Moving Average.) The X-11 method is described in The X-I/ Variant of the Census Method II Seasonal Adjustment Program, by Julius Shiskin, Alan Young, and John Musgrave (Technical Paper No. 15, Bureau of the Census, 1967).

[^2]:    ${ }^{3}$ For a more detailed discussion of ARIMA models, refer to previously cited Dagum (1983) and to G.E.P. Box and G.M. Jenkins, Time Series Analysis, Forecasting and Control (San Francisco, Holden Day, 1970); and C.W.J. Granger and P. Newbold, Forecusting Economic Time Series (New York, Academic Press, 1977).

[^3]:    ${ }^{4}$ For further discussion of these prior adjustment factors and the changes that they control for, see the following articles in previous issues of this publication: "Revisions in Household Survey Data Effective February 1996" in the March 1996 issue; "Revisions in the Current Population Survey Effective January 1997" in the February 1997 issue; and "Revision of Seasonally Adjusted Labor force Series" in the January 1998 issue.

[^4]:    ${ }^{5}$ G.R. Methee and R.J. McIntire, "An Evaluation of Concurrent Seasonal Adjustment for the Major Labor Force Series," in the 1987 Proceedings of the Business and Economic Statistics Secrion, American Statistical Association.

[^5]:    See footnotes at end of table.

[^6]:    1 Less than 0.05 percent.
    NOTE: Beginning in January 1998, data refiect new composite estimation

[^7]:    1 Data not shown where base is tess than 75,000.
    NOTE: Beginning in January 1998, data reflect new composite estimation

[^8]:    ${ }^{1}$ Data not shown where base is less than 75,000 .
    NOTE: Beginning in January 1998, data reflect new composite estimation

[^9]:    1 Includes some persons who are not asked if they want a job.
    2 Persons who had a job in the prior 12 months must have searched since the end of that job.

    3 Includes believes no work available, could not find work, lacks necessary schooling or training, employer thinks too young or old, and other types of discrimination.

[^10]:    1 Based on seasonally adjusted data for 1-, 3-, and 6-month spans and unadjusted data for the 12-month span. Data are centered within the span.
    $p=$ preliminary.
    NOTE: Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment,

[^11]:    1 Data relate to production workers in mining and manulacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.

    2 These series are not published seasonally adjusted because the seasonal components, which are small relative to the trend-cycle and irregular

[^12]:    See footnotes at end of table

[^13]:    See footnotes at end of table.

[^14]:    See footnotes at end of table.

[^15]:    See footnotes at end of table.

[^16]:    See footnotes at end of table

[^17]:    ${ }_{2}$ Not available.
    2 Not strictly comparable with data for prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes and Estimates of Error.

    Beginning in January 1996, data are not strictly comparable with data for 1997 and

[^18]:    1 Data not shown where base is less than 35,000 .
    NOTE: Beginning in January 1998, data reflect new composite estimation

[^19]:    ${ }^{1}$ Includes persons of Central or South American origin and of other
    Hispanic origin, not shown separately.
    ${ }_{2}$ Data not shown where base is less than 35,000 .

[^20]:    1 Less than 0.05 percent.
    NOTE: Beginning in January 1998, data reflect new composite estimation

[^21]:    NOTE: Beginning in January 1998, data reflect new composite estimation

[^22]:    ${ }^{1}$ Includes a small number of persons whose last job was in the Armed Forces.

[^23]:    NOTE: Beginning in January 1998, data reflect new composite estimation procedures and revised population controls used in the household survey.

[^24]:    ${ }^{1}$ Includes wage and salary workers only.
    NOTE: Beginning in January 1998, data reflect new composite estimation

[^25]:    ${ }^{1}$ Data on the number of jobseekers and the jobsearch methods used exclude persons on temporary layoff.
    NOTE: The jobseeker total is less than the total unemployed because it does not include persons on temporary layoff. The percent using each method will

[^26]:    1 Multiple jobholders as a percent of all employed persons in specified group.

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

    NOTE: Detail for the above race and Hispanic-origin groups will not sum to

[^27]:    1 Data refer to members of a labor union or an employee association similar to a union.
    2 Data 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.

    3 Data for 1997 have been corrected.

[^28]:    ${ }^{1}$ Data refer to members of a labor union or an employee association similar to a union.

    2 Data 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.
    ${ }^{3}$ Data for 1997 have been corrected.

[^29]:    1 Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.
    2 Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

[^30]:    ${ }^{1}$ Universe counts for March of each year are used to make annual benchmark adjustments to the employment estimates. About 98 percent of the benchmark employment is from unemployment insurance administrative records, and the remaining 2 percent is from alternate sources. Data represent benchmark levels as originally computed.
    2 Difference between the final March sample-based estimate and the benchmark level for total private employment.
    ${ }^{3}$ The average amount of bias adjustment each month over the

[^31]:    ${ }^{1}$ Counts reflect reports used in final estimates. Because not all establishments report payroll and hours information, hours and earnings estimates are based on a smaller sample than employment estimates.
    ${ }^{2}$ The Interstate Commerce Commission provides a complete count of employment for Class I railroads plus Amtrak. A small sample is used to estimate hours and earnings data.
    ${ }^{3}$ Total Federal employment counts by agency for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of reports covering about 51 percent of employment in Federal establishments.

