L2.41/2:46/98 US Department of Labor Byreau of Labor Statistics DEPOSITORY



U.S. DEPARTMENT OF LABOR

Alexis M. Herman, Secretary

BUREAU OF LABOR STATISTICS Katharine G. Abraham, Commissioner

Employment & Earnings (ISSN 0013-6840; USPS 485-010), is published monthly and prepared in the Office of Employment and Unemployment Statistics in collaboration with the Office of Publications. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. The State agencies are listed on the inside back cover.

Employment & Earnings may be ordered from: New Orders, Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954. Phone (202) 512-1800. Subscription price per year \$40 domestic and \$50 foreign. Single copy \$16 domestic and \$20 foreign. Prices are subject to change by the U.S. Government Printing Office.

Correspondence concerning subscriptions, including address changes and missing issues, should be sent to the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Phone (202) 512-2303. POSTMASTER: Send address changes to *Employment & Earnings*, U.S. Government Printing Office, Washington, DC 20402.

Communications on material in this publication should be addressed to: Editors, *Employment & Earnings*, Bureau of Labor Statistics, Washington, DC 20212. Specific questions concerning the data in this publication, or their availability, should be directed as follows:

Household data:

Telephone: (202) 606-6378 E-mail: CPSInfo@bls.gov

Internet: http://stats.bls.gov/cpshome.htm

National establishment data: Telephone: (202) 606-6555

Telephone: (202) 606-6555 E-mail: CESInfo@bls.gov

Internet: http://stats.bls.gov/ceshome.htm

State and area establishment data: Telephone: (202) 606-6559

E-mail: Data_SA @bls.gov Internet: http://stats.bls.gov/790home.htm

Region, State, and area labor force data:

Telephone: (202) 606-6392 E-mail: LausInfo@bls.gov

Internet: http://stats.bls.gov/lauhome.htm

Periodicals postage paid at Washington, DC, and at additional mailing addresses.

Information in this publication will be made available to sensory impaired individuals upon request. Voice phone (202) 606-7828; Federal Relay Service: 1-800-877-8339.

Material in this publication is in the public domain and, with appropriate credit, may be reproduced without permission.

September 1999 Vol. 46 No. 9

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.
Earnings by detailed occupation Jan.
Employee absences Jan.
Revised seasonally adjusted series Jan.
Quarterly averages: Seasonally 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

State and area annual averages May

Area definitions May

Region, State, and area labor force data

Annual averages May

Cover Design: Keith Tapscott

Junc

Employment& **Earnings**

Editors

Eugene H. Becker John F. Stinson Jr.

Design and Layout

Phyllis L. Lott Irma Mayfield

Contents

| | Page |
|--|------|
| List of statistical tables | ii |
| Contents to the explanatory notes and estimates of error | iv |
| Employment and unemployment developments, August 1999 | 1 |
| Summary tables and charts | 3 |
| Explanatory notes and estimates of error | 136 |
| Index to statistical tables | 176 |

Statistical tables

| Source | Historical | Seasonally adjusted | Not seasonally adjusted |
|------------------------------|------------|------------------------|-------------------------------|
| Household data | 5 | 7 | 18 |
| Establishment data: | | | |
| Employment: | | | |
| National | 44 | 48 | 65 |
| State | | 53 | 78 |
| Area | | | 78 |
| Hours and earnings: | | | |
| National | 45 | 61 | 96 |
| State and area | | | 119 |
| Local area labor force data: | | | |
| Region | | 123 | |
| State | | 125 | 130 |
| Area | | | 130 |

Monthly Household Data

| | | Page |
|---------------|--|------------|
| Historica | | |
| A-1. | Employment status of the civilian noninstitutional population 16 years and over, 1965 to date | 5 |
| | Employment status of the civilian noninstitutional population 16 years and over by sex, 1987 to date | ϵ |
| Seasonal | ly Adjusted Data | |
| Employn | nent Status | |
| - | Employment status of the civilian noninstitutional population by sex and age | 7 |
| | Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin | 8 |
| | Employment status of the civilian noninstitutional population 25 years and over by educational attainment | 10 |
| | Employed and unemployed full- and part-time workers by sex and age | 1 1 |
| Characte | eristics of the Employed | |
| A-7. | Employed persons by marital status, occupation, class of worker, and part-time status | 12 |
| A-8. | Employed persons by age and sex | 13 |
| Characte | eristics of the Unemployed | |
| A-9. | Unemployed persons by age and sex | 14 |
| | Unemployment rates by age and sex | 15 |
| | Unemployment rates by occupation, industry, and selected demographic characteristics | 16 |
| | Unemployed persons by reason for unemployment | 10 |
| | Unemployed persons by duration of unemployment | 17 |
| Not Seas | onally Adjusted Data | |
| Employr | nent Status | |
| A-14. | Employment status of the civilian noninstitutional population by age, sex, and race | 18 |
| | Employment status of the civilian noninstitutional population by race, sex, and age | 2 |
| 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 | 2 |
| A-17. | Employment status of the civilian noninstitutional population 25 years and over by educational attainment, | 2 |
| A-18. | scx, race, and Hispanic origin Employed and unemployed full- and part-time workers by age, sex, and race | 2: 2: |
| | eristics of the Employed | |
| Δ-19 | Employed persons by occupation, sex, and age | 20 |
| | Employed persons by occupation, race, and sex | 2 |
| | Employed persons by industry and occupation | 2 |
| | Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker | 25 |
| | Persons at work in agriculture and nonagricultural industries by hours of work | 30 |
| A-24. | Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less | |
| 4 05 | than 35 hours and usual full- or part-time status | 30 |
| A-25. | Persons at work in nonagricultural industries by class of worker and usual full- or part-time status | 3: |
| A-20. A-27 | Persons at work in nonfarm occupations by sex and usual full- or part-time status. | 3: |
| | eristics of the Unemployed | |
| | Unemployed persons by marital status, race, age, and sex | 34 |
| A-29. | Unemployed persons by occupation and sex | 3: |
| | Unemployed persons by industry and sex | 30 |
| | Unemployed persons by reason for unemployment, sex, age, and race | 3 |
| A-32. | Unemployed persons by reason for unemployment, sex, age, and duration of unemployment | 38 |
| A-33. | Unemployed total and full-time workers by duration of unemployment | 38 |
| A-34. | Unemployed persons by age, sex, race, marital status, and duration of unemployment | 3 |
| A-35. | Unemployed persons by occupation, industry, and duration of unemployment | 40 |
| Persons | Not in the Labor Force | |
| A-36. | Persons not in the labor force by desire and availability for work, age, and sex | 40 |
| Multiple | Jobholders | |
| A-37. | Multiple jobholders by selected demographic and economic characteristics | 4 |
| Viote | ora Votorane and Nanyetorane | |
| | era Veterans and Nonveterans Employment status of male Vietnam-era veterans and nonveterans by age | 4: |
| A-38. | LINDIOTRICIT STATES OF MAIC VICTIAMS TO VICTAMS AND HONVOICIAMS OF AZE | 7. |

Monthly Establishment Data

| n · | Employees on nonform possells by major industry, 1047 to data |
|--------------|---|
| | Employees on nonfarm payrolls by major industry, 1947 to date |
| Seasonally | Adjusted Data |
| Employmen | t |
| National | |
| B-3. | Employees on nonfarm payrolls by major industry and selected component groups |
| | Women employees on nonfarm payrolls by major industry and manufacturing group |
| В-5. | Production or nonsupervisory workers on private nonfarm payrolls by major industry and manufacturing group |
| B-6. | Diffusion indexes of employment change |
| States | |
| В-7. | Employees on nonfarm payrolls by State and major industry |
| Hours and E | Earnings |
| National | |
| B-8. | Average weekly hours of production or nonsupervisory workers on private nonfarm payrolls by |
| B -9. | major industry and manufacturing group |
| | payrolls by major industry and manufacturing group |
| | Hours of wage and salary workers on nonfarm payrolls by major industry |
| D 11. | payrolls by major industry |
| Not Season | ally Adjusted Data |
| Employmen | t |
| National | |
| B-12. | Employees on nonfarm payrolls by detailed industry |
| B-13. | Women employees on nonfarm payrolls by major industry and manufacturing group |
| States a | nd Areas |
| B-14. | Employees on nonfarm payrolls in States and selected areas by major industry |
| Hours and E | Earnings |
| National | |
| B-15. | Average hours and earnings of production or nonsupervisory workers on private nonfarm payrolls by detailed industry |
| B-15a | Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles |
| R-16 | (SIC 3761) manufacturing |
| | Average hourly and weekly earnings of production or nonsupervisory workers on private nonfarm |
| States ar | payrolls by major industry, in current and constant (1982) dollars |
| | Average hours and earnings of production workers on manufacturing payrolls in States and selected areas |
| | gional, State, and Area Labor Force Data |
| • | Adjusted Data |
| - | • |
| | Labor force status by census region and division |
| | ally Adjusted Data |
| | ,, |
| C-3 | Labor force status by State and metropolitan area |

jobs, and hospitals had its largest monthly employment increase so far this year (6,000). Over the month, employment was up sharply in both social services (34,000) and amusement and recreation services (17,000), after seasonal adjustment.

In August, employment in transportation and public utilities grew by 12,000, less than the average for the first 7 months of this year. August's job gain was equally divided between transportation and communications.

Employment in finance, insurance, and real estate also grew less in August (11,000) than its average for the first 7 months of the year. Most of the growth in August was in finance (8,000), with half of this increase in securities brokerages. Mortgage bankers and brokerages lost 2,000 jobs for the third consecutive month, following 4 years of growth.

Employment in retail trade changed little in August, following a substantial rise in July. Eating and drinking places lost 38,000 jobs in August, following an increase of 74,000 in the prior month. Several retail trade industries added jobs in August, including food stores (11,000) and automotive dealers (8,000). Employment in wholesale trade increased by 20,000 in August, with the majority of the growth in durable goods distribution (15,000).

Government employment rose by 47,000 in August, after

seasonal adjustment, with growth concentrated in local education (25,000) and State education (13,000).

Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls edged up 0.1 hour in August to 34.6 hours, seasonally adjusted. The manufacturing workweek declined by 0.2 hour to 41.7 hours, reversing July's increase; factory overtime was down 0.1 hour to 4.6 hours. (See table B-8.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose by 0.1 percent to 148.5 (1982=100), seasonally adjusted. The manufacturing index fell by 0.7 percent in August to 106.4. (See table B-9.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls increased by 2 cents in August to \$13.30, seasonally adjusted. This follows gains of 6 cents and 4 cents in June and July, respectively. Over the month, average weekly earnings rose by 0.4 percent to \$460.18, seasonally adjusted. Over the year, both average hourly and weekly earnings rose by 3.5 percent. (See table B-11.)

| | Scheduled R | elease Dates | | | | | | | | | | |
|--|-------------|--------------|------------|--|--|--|--|--|--|--|--|--|
| Employment and unemployment data are scheduled for initial release on the following dates: | | | | | | | | | | | | |
| Reference month Release date Reference month Release date | | | | | | | | | | | | |
| September | October 8 | December | January 7 | | | | | | | | | |
| October | November 5 | January | February 4 | | | | | | | | | |
| November | December 3 | February | March 3 | | | | | | | | | |

Summary table A. Major labor force status categories, seasonally adjusted

(Numbers in thousands)

| Catanan | | | 1998 | | | 1999 | | | | | | | |
|--|------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Category | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| | | | | | | Lat | or force s | tatus | | | | | |
| Civilian noninstitutional population Civilian labor force Percent of population Employed Percent of population Unemployed Not in labor force | 137,481 66.9 131,264 63.9 | 205,699 138,081 67.1 131,818 64.1 6,263 67,618 | 138,116 67.1 | 138,193 67.1 132,113 64.1 | 138,547 67.2 132,526 64.2 6,021 | 139,347 67.4 | 139,271 67.3 133,144 64.4 6,127 | 67.0 133,033 64.3 5,783 | 139,091 67.1 | | 139,408 | | 208,038 139,264 66.9 133,411 64.1 5,853 68,774 |
| | | | | | | Uner | mploymen | t rates | | | | | • |
| All workers Men, 20 years and over Women, 20 years and over Both sexes, 16 to 19 years White Black Hispanic origin | | 4.5 3.7 4.0 15.2 3.9 9.0 7.4 | 4.5 3.6 4.0 15.7 3.9 8.6 7.3 | 4.4 3.5 4.0 15.0 3.8 8.6 7.3 | 4.3 3.6 3.9 14.0 3.8 7.9 7.6 | 4.3 3.4 3.7 15.5 3.8 7.8 6.6 | 4.4 3.7 3.8 14.1 3.8 8.3 6.7 | 4.2 3.2 3.9 14.3 3.6 8.1 5.8 | 4.3 3.4 4.1 14.1 3.8 7.7 6.9 | 4.2 3.6 3.6 12.6 3.7 7.5 6.7 | 4.3 3.6 3.9 13.5 3.8 7.3 6.8 | 4.3 3.5 4.0 12.7 3.7 8.8 6.2 | 4.2 3.6 3.7 13.5 3.7 7.8 6.5 |

NOTE: Beginning in January 1999, data reflect revised population controls used in

the household survey.

Summary table B. Employment, hours, and earnings of production or nonsupervisory workers on nonfarm payrolls, seasonally adjusted

(Numbers in thousands)

| Industry | | | 1998 | | | | | | 19 | 99 | | | |
|---|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp | Aug. ^p |
| | | | | | | | Employmer | nt | | | | | |
| Total | 126,170 | 126,361 | 126,567 | 126,841 | 127,186 | 127,378 | 127,730 | 127,813 | 128,134 | 128,162 | 128,443 | 128,781 | 128,905 |
| Total private | 106,301 | 106,470 | 106,654 | 106,893 | 107,213 | 107,386 | 107,676 | 107,726 | 108,035 | 108,085 | 108,338 | 108,625 | 108,702 |
| Goods-producing industries | | 25,333 | 25,306 | 25,298 | 25,354 | 25,315 | 25,329 | 25,285 | 25,288 | 25,199 | 25,180 | 25,248 | 25,153 |
| Mining | 585 6,005 | 583 6,009 | 578 6,042 | 574 6.085 | 570 6,173 | 560 6,170 | 553 6,238 | 550 6,232 | 538 | 531 | 526 | 529 | 526 |
| Construction | | 18,741 | 18,686 | 18,639 | 18.611 | 18.585 | 18,538 | 18,503 | 6,277 18,473 | 6,239 18,429 | 6,258 18,396 | 6,272 18,447 | 6,243 18,384 |
| Service-producing industries | 100.826 | 101.028 | 101,261 | 101.543 | 101.832 | 102,063 | 102,401 | 102,528 | 102,846 | 102,963 | 103,263 | 103.533 | 103.752 |
| Transportation and public utilities | 6.625 | 6,637 | 6.657 | 6.671 | 6.684 | 6,708 | 6,723 | 6,732 | 6,750 | 6,758 | 6,781 | 6,797 | 6.809 |
| Wholesale trade | | 6,871 | 6.876 | 6.891 | 6.901 | 6.924 | 6.937 | 6,947 | 6,965 | 6,977 | 6.993 | 7.011 | 7.031 |
| Retail trade | 22,353 | 22,382 | 22,392 | 22,443 | 22,525 | 22,556 | 22,648 | 22,611 | 22.724 | 22,748 | 22.796 | 22.895 | 22.892 |
| Finance, insurance, and real estate | 7,445 | 7,467 | 7,494 | 7,520 | 7,542 | 7,570 | 7,581 | 7,595 | 7,611 | 7,621 | 7,636 | 7,644 | 7,655 |
| Services | 37,688 | 37,780 | 37,929 | 38,070 | 38,207 | 38,313 | 38,458 | 38,556 | 38,697 | 38,782 | 38,952 | 39,030 | 39,162 |
| Government | 19,869 | 19,891 | 19,913 | 19,948 | 19,973 | 19,992 | 20,054 | 20,087 | 20,099 | 20,077 | 20,105 | 20,156 | 20,203 |
| | | | | | | Over- | the-month of | change | | | | L | <u> </u> |
| Total | 200 | 101 | 200 | 074 | 245 | 100 | 250 | 92 | 201 | 00 | 001 | 220 | 104 |
| Total Total private | 362 292 | 191 169 | 206 184 | 274 239 | 345 320 | 192 173 | 352 290 | 83 50 | 321 309 | 28 50 | 281 253 | 338 287 | 124 77 |
| Goods-producing industries | 104 | -11 | -27 | -8 | 56 | -39 | 14 | -44 | 309 | -89 | -19 | 68 | -95 |
| Mining | -3 | -2 | -5 | -4 | -4 | -10 | -7 | -3 | -12 | -7 | -15 | 3 | -33 |
| Construction | 15 | 4 | 33 | 43 | 88 | -3 | 68 | -6 | 45 | -38 | 19 | 14 | -29 |
| Manufacturing | 92 | -13 | -55 | -47 | -28 | -26 | -47 | -35 | -30 | -44 | -33 | 51 | -63 |
| Service-producing industries | 258 | 202 | 233 | 282 | 289 | 231 | 338 | 127 | 318 | 117 | 300 | 270 | 219 |
| Transportation and public utilities | 19 | 12 | 20 | 14 | 13 | 24 | 15 | 9 | 18 | 8 | 23 | 16 | 12 |
| Wholesale trade | 10 | 25 | 5 | 15 | 10 | 23 | 13 | 10 | 18 | 12 | 16 | 18 | 20 |
| Retail trade | 32 | 29 | 10 | 51 | 82 | 31 | 92 | -37 | 113 | 24 | 48 | 99 | -3 |
| Finance, insurance, and real estate | 15 | 22 | 27 | 26 | 22 | 28 | 11 | 14 | 16 | 10 | 15 | 8 | 11 |
| Services | 112 | 92 | 149 | 141 | 137 | 106 | 145 | 98 | 141 | 85 | 170 | 78 | 132 |
| Government | 70 | 22 | 22 | 35 | 25 | 19 | 62 | 33 | 12 | -22 | 28 | 51 | 47 |
| | | | | | | Н | lours of wo | ʻk¹ | | | | | |
| Total private | 34.6 | 34.5 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.5 | 34.4 | 34.4 | 34.5 | 34.5 | 34.6 |
| Manufacturing | 41.7 | 41.6 | 41.7 | 41.7 | 41.7 | 41.6 | 41.6 | 41.5 | 41.6 | 41.7 | 41.7 | 41.9 | 41.7 |
| Overtime | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.3 | 4.6 | 4.7 | 4.7 | 4.6 |
| | | l | | | Indexe | s of aggreg | ate weekly | hours (198 | 2=100)¹ | , | | | |
| | | | | | - 1 | | | | | | | | |
| Total private | 145.5 108.5 | 145.1 108.3 | 146.0 108.1 | 146.1 107.7 | 146.6 107.5 | 146.8 107.1 | 147.3 106.8 | 146.8 106.5 | 147.0 106.5 | 147.2 106.5 | 147.8 106.3 | 148.3 107.2 | 148.5 106.4 |
| - | | | | | | | | | | | | | |
| | | | | | | - 1 | Earnings ¹ | | | | | | |
| Average hourly earnings, total private: Current dollars Constant (1982) dollars ² Average weekly earnings, total private | \$12.85 7.78 444.61 | \$12.88 7.80 444.36 | \$12.91 7.80 446.69 | \$12.94 7.80 447.72 | \$12.98 7.81 449.11 | \$13.04 7.83 451.18 | \$13.06 7.84 451.88 | \$13.11 7,86 452.30 | \$13.14 7.83 452.02 | \$13.18 7.85 453.39 | \$13.24 7.89 456.78 | \$13.28 7.88 458.16 | \$13.30 N.A. 460.18 |

Data relate to private production or nonsupervisory workers.
The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

N.A. = not available.

p = preliminary.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

| | | | | | — Civilia | n labor force | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------------|------------------|-----------------------------|-----------------|-------------------------------|----------------|---------------------------------|--------------------------|
| | Civilian | | | | Fr | nployed | - | Unem | nloved | |
| Sex, year, and month | noninsti- tutional population | Number | Percent of population | Number | Percent of population | Agriculture | Nonagricultural industries | Number | Percent of labor force | Not in labor force |
| | | .,, | | | Annu | ıal averages | | | | |
| MEN | | | | | | | | | | |
| 1987 | 86,899 87,857 | 66,207 66,927 | 76.2 76.2 | 62,107 63,273 | 71.5 72.0 | 2,543 | 59,564 | 4,101 | 6.2 | 20,692 |
| 1989 | 88,762 | 67,840 | 76.4 | 64,315 | 72.0 72.5 | 2,493 2,513 | 60,780 61,802 | 3,655 3,525 | 5.5 5.2 | 20,930 20,923 |
| 19901 | 90,377 | 69,011 | 76.4 | 65,104 | 72.0 | 2,546 | 62,559 | 3,906 | 5.7 | 21,367 |
| 1991 1992 | 91,278 92,270 | 69,168 69,964 | 75.8 75.8 | 64,223 64,440 | 70.4 69.8 | 2,589 2,575 | 61,634 61,866 | 4,946 5,523 | 7.2 7.9 | 22,110 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 95,178 | 70,817 71,360 | 75.1 75.0 | 66,450 67,377 | 70.4 70.8 | 2,554 2,559 | 63,896 64,818 | 4,367 3,983 | 6.2 5.6 | 23,538 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 |
| 19981 | 98,758 | 73,959 | 74.9 | 70,693 | 71.6 | 2,553 | 68,140 | 3,266 | 4.4 | 24,799 |
| | | r | | - | Monthly data, | seasonally adju | ısted ² | | | |
| | | | | | | | | | | |
| 1998: | | | _ | | | | | | | |
| August | 98,892 | 73,754 | 74.6 | 70,503 | 71.3 | 2,631 | 67,872 | 3,251 | 4.4 | 25,138 |
| September October | 99,006 99,121 | 74,202 74,189 | 74.9 74.8 | 70,841 70,925 | 71.6 71.6 | 2,644 2,734 | 68,197 68,191 | 3,361 3,264 | 4.5 4.4 | 24,804 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 |
| 1999: | | | | | | | | | | |
| January ³ | 99,198 | 74,599 | 75.2 | 71,459 | 72.0 | 2,456 | 69,003 | 3,140 | 4.2 | 24,599 |
| February | 99,279 | 74,504 | 75.0 | 71,276 | 71.8 | 2,424 | 68,851 | 3,228 | 4.3 | 24,776 |
| March | 99,362 99,465 | 74,234 74,234 | 74.7 74.6 | 71,352 71,225 | 71.8 71.6 | 2,406 2,534 | 68,946 68,691 | 2,881 3,010 | 3.9 4.1 | 25,128 25,230 |
| May | 99,563 | 74,316 | 74.6 | 71,198 | 71.5 | 2,413 | 68,786 | 3,118 | 4.2 | 25,247 |
| June | 99,668 | 74,420 | 74.7 | 71,321 | 71.6 | 2,434 | 68,887 | 3,099 | 4.2 | 25,248 |
| July | 99,761 | 74,500 | 74.7 74.5 | 71,444 | 71.6 | 2,450 | 68,995 | 3,056 | 4.1 | 25,261 |
| August | 99,863 | 74,400 | /4.5 | 71,332 | 71.4 | 2,409 | 68,923 | 3,067 | 4.1 | 25,464 |
| | | | Г | - | Annu | al averages | | | | |
| WOMEN | 05.050 | | | -004 | | | | | | |
| 1987 1988 | 95,853 96,756 | 53,658 54,742 | 56.0 56.6 | 50,334 51,696 | 52.5 53.4 | 666 676 | 49,668 51,020 | 3,324 3,046 | 6.2 5.6 | 42,195 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 58,795 | 57.8 57.9 | 54,052 54,910 | 53.8 54.1 | 672 637 | 53,380 | 4,090 | 7.0 | 42,394 |
| 19941 | 101,506 102,460 | 60,239 | 58.8 | 56,610 | 55.3 | 855 | 54,273 55,755 | 3,885 3,629 | 6.6 6.0 | 42,711 42,221 |
| 1995 | 103,406 | 60,944 | 58.9 | 57,523 | 55.6 | 881 | 56,642 | 3,421 | 5.6 | 42,462 |
| 1996 1997 ¹ | 104,385 105,418 | 61,857 63,036 | 59.3 59.8 | 58,501 59,873 | 56.0 56.8 | 871 847 | 57,630 59,026 | 3,356 3,162 | 5.4 5.0 | 42,528 42,382 |
| 19981 | 106,462 | 63,714 | 59.8 | 60,771 | 57.1 | 825 | 59,945 | 2,944 | 4.6 | 42,748 |
| | | | | | Monthly data, | seasonally adju | ısted ² | | | l |
| | | | | | | | | | | |
| 1998: | | | | | | | | | | |
| August | 106,587 | 63,727 | 59.8 | 60,761 | 57.0 | 861 | 59,900 | 2,966 | 4.7 | 42,860 |
| September | 106,693 106,798 | 63,879 63,927 | 59.9 59.9 | 60,977 60,933 | 57.2 57.1 | 826 824 | 60,151 60,109 | 2,902 2,994 | 4.5 4.7 | 42,814 42,871 |
| October November | 106,798 | 63,848 | 59.7 | 60,931 | 57.1 57.0 | 770 | 60,161 | 2,917 | 4.7 4.6 | 43,039 |
| December | 106,960 | 64,110 | 59.9 | 61,322 | 57.3 | 808 | 60,514 | 2,788 | 4.3 | 42,850 |
| 1999: | | | | | | | | | | |
| January ³ | 107,521 | 64,748 | 60.2 | 61,937 | 57.6 | 843 | 61,095 | 2,810 | 4.3 | 42,773 |
| February | 107,593 107,674 | 64,767 64,582 | 60.2 60.0 | 61,869 61,680 | 57.5 57.3 | 903 874 | 60,965 60,806 | 2,899 2,902 | 4.5 4.5 | 42,826 43,092 |
| March | 107,674 | 64,857 | 60.0 | 61,845 | 57.3 57.4 | 850 | 60,994 | 2,902 3,012 | 4.5 4.6 | 43,092 |
| May | 107,864 | 64,704 | 60.0 | 62,026 | 57.5 | 883 | 61,143 | 2,677 | 4.1 | 43,160 |
| June | 107,964 | 64,988 6 4,754 | 60.2 59.9 | 62,112 61,863 | 57.5 57.2 | 920 843 | 61,191 61,020 | 2,876 2,891 | 4.4 4.5 | 42,977 43,313 |
| July | 108,067 | | | | | | | | | |

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.

The population figures are not adjusted for seasonal variation.

³ Beginning in January 1999, data are not strictly comparable with data for 1998 and earlier years because of revisions in the population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1999" in the February 1999 issue of this publication.

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

(Numbers in thousands)

| Employment status, | | | 1998 | | , | | | | 19 | 99 | | | |
|---|------------------|------------------|-----------------|------------------|--------------------|-----------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| sex, and age | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| TOTAL | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | | 205,699 | 205,919 | 206,104 | 206,270 138,547 | 206,719 | 206,873 139,271 | 207,036 138,816 | 207,236 139,091 | 207,427 139.019 | 207,632 139,408 | 207,828 139,254 | 208,038 139,264 |
| Civilian labor force Percent of population | 66.9 | 138,081 67.1 | 138,116 67.1 | 138,193 67.1 | 67.2 | 139,347 67.4 | 67.3 | 67.0 | 67.1 | 67.0 | 67.1 | 67.0 | 66.9 |
| Employed | 131,264 | 131,818 | 131,858 | 132,113 | 132,526 | 133,396 | 133,144 | 133,033 | 133,069 | 133,224 | 133,432 | 133,307 | 133,411 |
| Employment-population ratio | 63.9 | 64.1 | 64.0 | 64.1 | 64.2 | 64.5 5,950 | 64.4 | 64.3 5,783 | 64.2 6.022 | 64.2 5,795 | 64.3 | 64.1 5,947 | 64.1 |
| Unemployed Unemployment rate | 6,217 4.5 | 4.5 | 4.5 | 4.4 | 4.3 | 4.3 | 4.4 | 4.2 | 4.3 | 4.2 | 4.3 | 4.3 | 4.2 |
| Men, 16 years and over | | | | 00.047 | | | 00.070 | | 00.405 | | 00.000 | 00.704 | |
| Civilian noninstitutional population ¹ Civilian labor force | 98,892 73,754 | 99,006 | 99,121 | 99,217 74,345 | 99,309 | 99,198 | 99,279 | 99,362 74,234 | 99,465 74,234 | 99,563 | 99,668 | 99,761 | 99,863 |
| Percent of population | 74.6 | 74.9 | 74.8 | 74.9 | 75.0 | 75.2 | 75.0 | 74.7 | 74.6 | 74.6 | 74.7 | 74.7 | 74.5 |
| Employed | 70,503 | 70,841 | 70,925 | 71,182 | 71,204 | 71,459 | 71,276 | 71,352 | 71,225 | 71,198 | 71,321 | 71,444 | 71,332 |
| Employment-population ratio | 71.3 | 71.6 | 71.6 | 71.7 | 71.7 | 72.0 | 71.8 | 71.8 2.406 | 71.6 | 71.5 | 71.6 | 71.6 | 71.4 |
| Agriculture Nonagricultural industries | 2,631 67,872 | 2,644 68,197 | 2,734 | 2,578 68,604 | 2,414 68,790 | 2,456 69,003 | 68,851 | 68,946 | 2,534 68,691 | 2,413 68,786 | 2,434 68,887 | 2,450 68,995 | 2,409 68,923 |
| Unemployed | 3,251 | 3,361 | 3,264 | 3,163 | 3,233 | 3,140 | 3,228 | 2,881 | 3,010 | 3,118 | 3,099 | 3,056 | 3,067 |
| Unemployment rate | | 4.5 | 4.4 | 4.3 | 4.3 | 4.2 | 4.3 | 3.9 | 4.1 | 4.2 | 4.2 | 4.1 | 4.1 |
| Not in labor force | 25,138 | 24,804 | 24,932 | 24,872 | 24,872 | 24,599 | 24,776 | 25,128 | 25,230 | 25,247 | 25,248 | 25,261 | 25,464 |
| Men, 20 years and over | 00.000 | 01.002 | 01 101 | 91,192 | 91,220 | 91,124 | 91,189 | 91,215 | 91,302 | 91,368 | 91,487 | 91,561 | 91,692 |
| Civilian noninstitutional population | 90,889 69,518 | 91,003 69,869 | 91,101 | 70,023 | 70,069 | 70,295 | 70,174 | 69,951 | 69,991 | 69,932 | 70,127 | 70,164 | 70,179 |
| Percent of population | 76.5 | 76.8 | 76.7 | 76.8 | 76.8 | 77.1 | 77.0 | 76.7 | 76.7 | 76.5 | 76.7 | 76.6 | 76.5 |
| Employed | 66,940 | 67,262 | 67,362 | 67,573 | 67,553 | 67,884 | 67,577 | 67,713 | 67,608 | 67,399 | 67,633 | 67,687 | 67,682 |
| Employment-population ratio Agriculture | 73.7 | 73.9 | 73.9 | 74.1 2,374 | 74.1 2,237 | 74.5 2,312 | 74.1 | 74.2 | 74.0 2,353 | 73.8 2,212 | 73.9 | 73.9 2,271 | 73.8 |
| Nonagricultural industries | 64,520 | 64,860 | 64,913 | 65,199 | 65,316 | 65,572 | 65,365 | 65,492 | 65,255 | 65,186 | 65,385 | 65,416 | 65,440 |
| Unemployed | 2,578 | 2,607 | 2,551 | 2,450 | 2,516 | 2,411 | 2,598 | 2,238 | 2,383 | 2,534 | 2,494 | 2,477 | 2,496 |
| Unemployment rate | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 21,151 | 3.4 20,829 | 3.7 | 3.2 | 3.4 | 3.6 21,436 | 3.6 | 3.5 | 3.6 |
| Not in labor force | 21,371 | 21,134 | 21,188 | 21,169 | 21,151 | 20,829 | 21,014 | 21,263 | 21,312 | 21,436 | 21,360 | 21,397 | 21,513 |
| Women, 16 years and over Civilian noninstitutional population ¹ | 106 587 | 106,693 | 106,798 | 106,887 | 106,960 | 107,521 | 107,593 | 107,674 | 107,771 | 107,864 | 107,964 | 108,067 | 108,175 |
| Civilian labor force | 63,727 | 63,879 | 63,927 | 63,848 | 64,110 | 64,748 | 64,767 | 64,582 | 64,857 | 64,704 | 64,988 | 64,754 | 64.864 |
| Percent of population | 59.8 | 59.9 | 59.9 | 59.7 | 59.9 | 60.2 | 60.2 | 60.0 | 60.2 | 60.0 | 60.2 | 59.9 | 60.0 |
| Employed | 60,761 | 60,977 | 60,933 | 60,931 | 61,322 | 61,937 | 61,869 | 61,680 | 61,845 | 62,026 | 62,112 | 61,863 | 62,079 |
| Employment-population ratio Agriculture | 57.0 861 | 57.2 826 | 57.1 824 | 57.0 770 | 57.3 | 57.6 843 | 57.5 903 | 57.3 | 57.4 850 | 57.5 883 | 57.5 920 | 57.2 843 | 57.4 810 |
| Nonagricultural industries | 59,900 | 60,151 | 60,109 | 60,161 | 60,514 | 61,095 | 60,965 | 60,806 | 60,994 | 61,143 | 61,191 | 61,020 | 61,269 |
| Unemployed | 2,966 | 2,902 | 2,994 | 2,917 | 2,788 | 2,810 | 2,899 | 2,902 | 3,012 | 2,677 | 2,876 | 2,891 | 2.786 |
| Unemployment rate | 4.7 | 4.5 | 4.7 | 4.6 | 4.3 | 4.3 | 4.5 42,826 | 43,092 | 4.6 | 43,160 | 4.4 | 4.5 | 43,311 |
| Not in labor force | 42,000 | 42,814 | 42,871 | 43,039 | 42,000 | 42,773 | 42,020 | 43,092 | 42,314 | 43,160 | 42,577 | 40,010 | 43,311 |
| Women, 20 years and over Civilian noninstitutional population ¹ | 98,901 | 98,994 | 99.037 | 99,135 | 99,181 | 99,686 | 99,746 | 99,833 | 99,923 | 100,008 | 100,131 | 100,203 | 100,285 |
| Civilian labor force | 59,708 | 59,804 | 59,826 | 59,896 | 60,078 | 60,718 | 60,622 | 60,533 | 60,788 | 60,729 | 61,092 | 60,791 | 60,908 |
| Percent of population | 60.4 | 60.4 | 60.4 | 60.4 | 60.6 | 60.9 | 60.8 | 60.6 | 60.8 | 60.7 | 61.0 | 60.7 | 60.7 |
| Employment-population ratio | 57,295 57.9 | 57,426 58.0 | 57,437 58.0 | 57,503 58.0 | 57,745 58.2 | 58,466 58.7 | 58,291 58.4 | 58,183 58.3 | 58,320 58.4 | 58,520 58.5 | 58,719 58.6 | 58,373 58.3 | 58,654 58.5 |
| Employment-population ratio Agriculture | 806 | 767 | 771 | 734 | 753 | 808 | 839 | 834 | 801 | 831 | 869 | 797 | 764 |
| Nonagricultural industries | 56,489 | 56,659 | 56,666 | 56,769 | 56,992 | 57,659 | 57,452 | 57,349 | 57,519 | 57,689 | 57,849 | 57,576 | 57,890 |
| Unemployed | 2,413 | 2,378 | 2,389 | 2,393 | 2,333 | 2,251 | 2,330 3.8 | 2,350 | 2,468 | 2,209 | 2,373 | 2,418 | 2,254 |
| Unemployment rate Not in labor force | 4.0 39,193 | 4.0 39,190 | 4.0 39,211 | 39,239 | 3.9 39,103 | 3.7 | 39,124 | 3.9 | 4.1 39,135 | 3.6 39,279 | 3.9 39,039 | 4.0 39,412 | 3.7 39,377 |
| Both sexes, 16 to 19 years | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 15,689 | 15,702 | 15,781 | 15,777 | 15,868 | 15,909 | 15,939 | 15,988 | 16,011 | 16,051 | 16,014 | 16,065 | 16,061 |
| Civilian labor force Percent of population | 8,255 52.6 | 8,408 53.5 | 8,377 53.1 | 8,274 52.4 | 8,400 52.9 | 8,334 52.4 | 8,475 53.2 | 8,331 52.1 | 8,312 51.9 | 8,358 52.1 | 8,189 51.1 | 8,300 51.7 | 8,177 50.9 |
| Employed | 7,029 | 7,130 | 7,059 | 7,037 | 7,228 | 7,046 | 7,276 | 7,136 | 7,141 | 7,306 | 7,081 | 7,247 | 7,075 |
| Employment-population ratio | 44.8 | 45.4 | 44.7 | 44.6 | 45.5 | 44.3 | 45.7 | 44.6 | 44.6 | 45.5 | 44.2 | 45.1 | 44.0 |
| Agriculture | 266 | 301 | 338 | 240 | 232 | 179 | 277 | 224 | 230 | 252 | 237 | 225 | 212 |
| Nonagricultural industries Unemployed | 6,763 | 6,829 | 6,721 | 6,797 | 6,996 | 6,867 1,288 | 6,999 | 6,912 1,195 | 6,911 | 7,054 1,052 | 6,843 | 7,023 1,053 | 6,862 1,102 |
| Unemployment rate | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 | 15.5 | 14.1 | 14.3 | 14.1 | 12.6 | 13.5 | 12.7 | 13.5 |
| | | | | | | | | | | | | | |

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 1999, data reflect revised population controls used in the household survey.

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 | | | 1998 | | | | | | 19 | 99 | , | , . | , <u></u> |
|---|----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|
| Hispanic origin | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| WHITE | | <u> </u> | | | | | | | | | | ŀ | |
| | 171,655 | 171,804 | 171,956 | 172,084 | 172,197 | 172,394 | 172,491 | 172,597 | 172,730 | 172,859 | 172,999 | 173,133 | 173,275 |
| | 115,385 | 115,751 | 115,714 | 115,687 | 115,996 | 116,529 | 116,610 | 116,284 | 116,370 | 116,254 | 116,578 | 116,393 | 116,602 |
| Percent of population Employed | 67.2 | 67.4 111,221 | 67.3 | 67.2 | 67.4 111,560 | 67.6 | 67.6 | 67.4 | 67.4 | 67.3 | 67.4 112,092 | 67.2 | 67.3 112,277 |
| Employment-population ratio | 64.6 | 64.7 | 64.6 | 64.7 | 64.8 | 65.0 | 65.0 | 65.0 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| Unemployed | 4,537 | 4,530 | 4,552 | 4,383 | 4,436 | 4,394 | 4,420 | 4,140 | 4,454 | 4,269 | 4,486 | 4,276 | 4,325 |
| Unemployment rate | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.6 | 3.8 | 3.7 | 3.8 | 3.7 | 3.7 |
| Men, 20 years and over | | | ! | | | | | | | | | | |
| Civilian labor force | 59,384 | 59,587 | 59,579 | 59,634 | 59,712 77.2 | 59,751 77.5 | 59,799 77.5 | 59,698 77.3 | 59,664 77.2 | 59,500 77.0 | 59,711 77.2 | 59,837 | 59,968 77.4 |
| Percent of population Employed | 77.1 57,450 | 77.3 57,615 | 77.2 57,646 | 77.2 57,806 | 57,813 | 57,920 | 57,830 | 58.010 | 57,874 | 57,615 | 57,784 | 57,978 | 58.013 |
| Employment-population ratio | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 75.1 | 75.0 | 75.1 | 74.9 | 74.5 | 74.7 | 74.9 | 74.8 |
| Unemployed | 1,934 | 1,972 | 1,933 | 1,828 | 1,899 | 1,831 | 1,969 | 1,688 | 1,790 | 1,884 | 1,927 | 1,859 | 1,955 |
| Unemployment rate | 3.3 | 3.3 | 3.2 | 3.1 | 3.2 | 3.1 | 3.3 | 2.8 | 3.0 | 3.2 | 3.2 | 3.1 | 3.3 |
| Women, 20 years and over | | ŀ | | | | ŀ | | | | | | | |
| Civilian labor force | 4,9,025 | 49,108 | 49,062 | 49,065 | 49,230 | 49,759 | 49,721 | 49,602 | 49,672 | 49,669 | 49,933 | 49,542 | 49,701 |
| Percent of population | 59.7 47,321 | 59.8 47,456 | 59.7 47,401 | 59.6 47,415 | 59.8 47,585 | 60.2 48,110 | 60.1 48,109 | 59.9 47,983 | 60.0 47,862 | 60.0 48,067 | 60.2 48,215 | 59.7 47,878 | 59.9 48.134 |
| Employed Employment-population ratio | 57.6 | 57.7 | 57.6 | 57.6 | 57.8 | 58.2 | 58.2 | 58.0 | 57.8 | 58.0 | 58.2 | 57.7 | 58.0 |
| Unemployed | | 1,652 | 1,661 | 1,650 | 1,645 | 1,650 | 1,612 | 1,620 | 1,811 | 1,602 | 1,718 | 1,665 | 1,567 |
| Unemployment rate | 3.5 | 3.4 | 3.4 | 3.4 | 3.3 | 3.3 | 3.2 | 3.3 | 3.6 | 3.2 | 3.4 | 3.4 | 3.2 |
| Both sexes, 16 to 19 years | | | | | | | | | | | | | |
| Civilian labor force | 6,976 | 7,056 | 7,073 | 6,988 | 7,054 | 7,019 | 7,090 | 6,984 | 7,034 | 7,085 | 6,934 | 7,013 | 6,932 |
| Percent of population | | 56.4 | 56.4 | 55.7 | 56.1 | 55.6 | 56.1 | 55.2 | 55.5 | 55.8 | 54.6 | 55.1 | 54.4 |
| Employed | 6,077 48.6 | 6,150 49.1 | 6,115 48.8 | 6,083 48.5 | 6,162 49.0 | 6,105 | 6,250 | 6,151 48.6 | 6,181 48.8 | 6,302 | 6,093 | 6,261 49.2 | 6,129 48.1 |
| Employment-population ratio Unemployed | | 906 | 958 | 905 | 892 | 913 | 840 | 833 | 853 | 783 | 840 | 753 | 803 |
| Unemployment rate | 12.9 | 12.8 | 13.5 | 13.0 | 12.6 | 13.0 | 11.8 | 11.9 | 12.1 | 11.0 | 12.1 | 10.7 | 11.6 |
| Men | 14.2 | 14.7 | 14.1 | 14.1 | 14.5 | 14.1 | 12.2 | 12.7 | 12.6 | 11.9 | 11.8 | 10.9 | 12.2 |
| Women | 11.5 | 10.8 | 13.0 | 11.6 | 10.6 | 11.9 | 11.4 | 11.1 | 11.6 | 10.1 | 12.5 | 10.6 | 10.9 |
| BLACK | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 24,418 | 24,458 | 24,496 16,163 | 24,529 16,201 | 24,561 16,157 | 24,665 16,356 | 24,697 16,242 | 24,729 16,212 | 24,765 16,286 | 24,798 | 24,833 16,300 | 24,867 16,384 | 24,904 16,279 |
| Civilian labor force Percent of population | 15,937 65.3 | 16,027 65.5 | 66.0 | 66.0 | 65.8 | 66.3 | 65.8 | 65.6 | 65.8 | 65.7 | 65.6 | 65.9 | 65.4 |
| Employed | 14,517 | 14,584 | 14,776 | 14,804 | 14,884 | 15,085 | 14,900 | 14,904 | 15,029 | 15,079 | 15,103 | 14,949 | 15,005 |
| Employment-population ratio | 59.5 | 59.6 | 60.3 | 60.4 | 60.6 | 61.2 | 60.3 | 60.3 | 60.7 | 60.8 | 60.8 | 60.1 | 60.3 |
| Unemployed | 1,420 | 1,443 | 1,387 | 1,397 | 1,273 7.9 | 1,271 7.8 | 1,342 | 1,308 | 1,257 | 1,224 7.5 | 1,197 | 1,434 | 1,274 |
| Unemployment rate | 0.5 | 3.0 | 0.0 | 0.0 | 1.5 | /.0 | 0.0 | 0.1 | ''' | 7.5 | 7.0 | 0.0 | 1 |
| Men, 20 years and over | | | | 7.000 | 7.000 | 7.040 | 7.400 | 7.005 | 7.440 | 7.000 | 7.450 | 7.400 | 7,454 |
| Civilian labor force | 7,021 72.1 | 6,999 | 7,144 | 7,086 | 7,063 | 7,210 | 7,160 72.7 | 7,065 71.6 | 7,118 | 7,206 72.8 | 7,152 72.1 | 7,132 71.8 | 7,151 |
| Percent of population Employed | 6,487 | 6,499 | 6,653 | 6,590 | 6,588 | 6,782 | 6,682 | 6,656 | 6,681 | 6,727 | 6,712 | 6,601 | 6,706 |
| Employment-population ratio | 66.6 | 66.6 | 68.0 | 67.3 | 67.2 | 68.9 | 67.8 | 67.4 | 67.6 | 68.0 | 67.7 | 66.5 | 67.4 |
| Unemployed | | 500 7.1 | 491 6.9 | 496 7.0 | 475 6.7 | 428 5.9 | 477 6.7 | 409 5.8 | 437 6.1 | 479 6.6 | 440 6.1 | 531 7.4 | 445 6.2 |
| Women, 20 years and over | "." | / | 0.0 | 7.0 | 0.7 | 0.0 | 0 | 0.0 | 5 | 0.0 | 9 | | 0.2 |
| Civilian labor force | 7,903 | 7,948 | 7,992 | 8,051 | 8,035 | 8,114 | 8,082 | 8,129 | 8,241 | 8,177 | 8,214 | 8,318 | 8,229 |
| Percent of population | | 64.9 | 65.2 | 65.6 | 65.4 | 65.7 | 65.3 | 65.6 | 66.4 | 65.8 | 66.0 | 66.8 | 66.0 |
| Employed | | 7,320 | 7,391 | 7,443 | 7,474 | 7,579 | 7,509 | 7,545 | 7,681 | 7,653 | 7,671 | 7,663 | 7,658 |
| Employment-population ratio | 59.7 | 59.8 | 60.3 | 60.6 | 60.8 | 61.3 | 60.7 | 60.9 | 61.9 | 61.6 | 61.7 | 61.5 | 61.4 |
| Unemployed | 601 | 628 | 601 | 608 | 561 | 535 | 573 7.1 | 584 7.2 | 560 6.8 | 524 6.4 | 544 6.6 | 654 7.9 | 571 6.9 |
| Unemployment rate | 7.6 | 7.9 | 7.5 | 7.6 | 7.0 | 6.6 | '.' | 1.2 | 0.8 | 0.4 | 0.0 | '.9 | 0.8 |

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, | | | 1998 | | | 1999 | | | | | | | | |
|--|---|---|---|---|---|---|---|---|--|---|---|---|---|--|
| race, sex, age, and Hispanic origin | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | |
| BLACK-Continued Both sexes, 16 to 19 years | | | | | | : | | | | | : | | | |
| Civilian labor force Percent of population Employed Employment-population ratio Unemployed Unemployment rate Men Women | 1,013 41.3 728 29.7 285 28.1 29.7 26.8 | 1,080 44.0 765 31.1 315 29.2 32.7 25.7 | 1,027 41.8 732 29.8 295 28.7 34.7 23.5 | 1,064 43.3 771 31.4 293 27.5 33.0 22.1 | 1,059 43.0 822 33.4 237 22.4 27.3 17.6 | 1,032 41.8 725 29.3 307 29.8 34.2 25.0 | 1,000 40.5 708 28.6 293 29.2 31.6 27.0 | 1,018 41.2 702 28.4 316 31.0 32.9 29.1 | 927 37.5 667 26.9 260 28.1 33.0 23.5 | 920 37.1 699 28.2 222 24.1 26.2 22.0 | 934 37.7 721 29.0 214 22.9 26.7 19.6 | 934 37.6 685 27.6 249 26.7 30.8 22.9 | 899 36.2 642 25.8 257 28.6 29.4 27.9 | |
| HISPANIC ORIGIN | | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ Civilian labor force | 67.7 13,257 62.7 | 21,224 14,457 68.1 13,394 63.1 1,063 7.4 | 21,286 14,437 67.8 13,382 62.9 1,055 7.3 | 21,349 14,389 67.4 13,345 62.5 1,044 7.3 | 21,405 14,488 67.7 13,383 62.5 1,105 7.6 | 21,296 14,511 68.1 13,550 63.6 960 6.6 | 21,355 14,591 68.3 13,610 63.7 980 6.7 | 21,414 14,570 68.0 13,732 64.1 838 5.8 | 21,483 14,543 67.7 13,541 63.0 1,002 6.9 | 21,548 14,535 67.5 13,558 62.9 977 6.7 | 21,618 14,643 67.7 13,654 63.2 989 6.8 | 21,684 14,592 67.3 13,685 63.1 907 6.2 | 21,752 14,734 67.7 13,776 63.3 959 6.5 | |

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 1999, data reflect revised population controls used in the household survey.

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(Numbers in thousands)

| -1 | | | 1998 | | | | 1999 | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Educational attainment | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| Less than a high school diploma | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 29,204 | 29,290 | 28,713 | 29,084 | 29,094 | 28,901 | 28,112 | 28,442 | 27,991 | 28,298 | 28,515 | 28,015 | 28,568 |
| Civilian labor force | 12,496 | 12,563 | 12,408 | 12,463 | 12,500 | 12,379 | 12,164 | 12,094 | 11,753 | 11,743 | 12,047 | 12,069 | 12,412 |
| Percent of population | 42.8 | 42.9 | 43.2 | 42.9 | 43.0 | 42.8 | 43.3 | 42.5 | 42.0 | 41.5 | 42.2 | 43.1 | 43. |
| Employed | 11,612 | 11,692 | 11,556 | 11,574 | 11,626 | 11,459 | 11,257 | 11,356 | 10,972 | 10,959 | 11,238 | 11,244 | 11,53 |
| Employment-population ratio | 39.8 | 39.9 | 40.2 | 39.8 | 40.0 | 39.7 | 40.0 | 39.9 | 39.2 | 38.7 | 39.4 | 40.1 | 40. |
| Unemployed | 884 | 871 | 852 | 889 | 874 | 920 | 907 | 739 | 781 | 784 | 810 | 825 | 88 |
| Unemployment rate | 7.1 | 6.9 | 6.9 | 7.1 | 7.0 | 7.4 | 7.5 | 6.1 | 6.6 | 6.7 | 6.7 | 6.8 | 7. |
| High school graduates, no college ² | | | | | | | | | | | | | |
| Civilian noninstitutional population ¹ | 57,729 | 57,589 | 57,666 | 57,273 | 57,115 | 57,477 | 57,062 | 57,805 | 57,945 | 57,931 | 57,963 | 57,162 | 57,19 |
| Civilian labor force | 37,367 | 37,289 | 37,540 | 37,408 | 37,296 | 37,590 | 37,261 | 37,740 | 37,577 | 37,416 | 37,403 | 36,941 | 36,84 |
| Percent of population | 64.7 | 64.8 | 65.1 | 65.3 | 65.3 | 65.4 | 65.3 | 65.3 | 64.8 | 64.6 | 64.5 | 64.6 | 64. |
| Employed | 35.883 | 35,783 | 36,056 | 35,947 | 35,873 | 36,291 | 35,979 | 36,448 | 36,253 | 36,058 | 35,961 | 35,629 | 35,55 |
| Employment-population ratio | 62.2 | 62.1 | 62.5 | 62.8 | 62.8 | 63.1 | 63.1 | 63.1 | 62.6 | 62.2 | 62.0 | 62.3 | 62. |
| Unemployed | 1,484 | 1,506 | 1,484 | 1,461 | 1,423 | 1,299 | 1,282 | 1,292 | 1,324 | 1,359 | 1,442 | 1,313 | 1,29 |
| Unemployment rate | 4.0 | 4.0 | 4.0 | 3.9 | 3.8 | 3.5 | 3.4 | 3.4 | 3.5 | 3.6 | 3.9 | 3.6 | 3. |
| Less than a bachelor's degree ³ | | | | | | | | | | | | | |
| Civilian noninstitutional population1 | 41,842 | 41,769 | 42,573 | 42,863 | 43,022 | 43,154 | 43,911 | 43,028 | 43,059 | 42,742 | 42,780 | 43,610 | 43,130 |
| Civilian labor force | 31,117 | 31,271 | 31,349 | 31,727 | 31,800 | 32,399 | 32,465 | 31,892 | 32,160 | 31,930 | 31,937 | 32,102 | 31,80 |
| Percent of population | 74.4 | 74.9 | 73.6 | 74.0 | 73.9 | 75.1 | 73.9 | 74.1 | 74.7 | 74.7 | 74.7 | 73.6 | 73. |
| Employed | 30,231 | 30,343 | 30,423 | 30,825 | 30,911 | 31,470 | 31,462 | 30,989 | 31,202 | 31,043 | 31,130 | 31,097 | 30,79 |
| Employment-population ratio | 72.3 | 72.6 | 71.5 | 71.9 | 71.8 | 72.9 | 71.6 | 72.0 | 72.5 | 72.6 | 72.8 | 71.3 | 71. |
| Unemployed | 886 | 928 | 926 | 902 | 889 | 929 | 1,003 | 903 | 958 | 886 | 806 | 1,005 | 1,00 |
| Unemployment rate | 2.8 | 3.0 | 3.0 | 2.8 | 2.8 | 2.9 | 3.1 | 2.8 | 3.0 | 2.8 | 2.5 | 3.1 | 3. |
| College graduates | | | | | | | | | | | | | |
| Civilian noninstitutional population1 | 43,431 | 43,669 | 43,520 | 43,408 | 43,484 | 43,516 | | | | 44,442 | 44,464 | 45,042 | 45,08 |
| Civilian labor force | 34,739 | 34,914 | 34,779 | 34,554 | 34,838 | 34,950 | 35,040 | | 35,493 | 35,771 | 35,856 | 35,981 | 36,14 |
| Percent of population | 80.0 | 80.0 | 79.9 | 79.6 | 80.1 | 80.3 | 79.7 | 79.8 | 80.1 | 80.5 | 80.6 | 79.9 | 80. |
| Employed | 34,129 | 34,335 | 34,108 | 33,922 | 34,205 | 34,325 | 34,368 | 34,345 | | 35,107 | 35,128 | 35,317 | 35,57 |
| Employment-population ratio | 78.6 | 78.6 | 78.4 | 78.1 | 78.7 | 78.9 | 78.2 | 78.3 | | 79.0 | 79.0 | 78.4 | 78. |
| Unemployed | 610 | 579 | 671 | 632 | 633 | 624 | 673 | 652 | 752 | 664 | 727 | 664 | 56 |
| Unemployment rate | 1.8 | 1.7 | 1.9 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 2.1 | 1.9 | 2.0 | 1.8 | 1. |

NOTE: Beginning in January 1999, data reflect revised population controls used in the household survey.

The population figures are not adjusted for seasonal variation.
 Includes high school diploma or equivalent.
 Includes the categories, some college, no degree; and associate degree.

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, | | | 1998 | | | | | | 19 | 99 | | | |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| and age | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| EMPLOYED | | | | | | | | | | | | | |
| Full-time workers Men, 16 years and over Men, 20 years and over Women, 16 years and over Women, 20 years and over Both sexes, 16 to 19 years | 108,150 63,202 61,808 45,097 44,019 2,323 | 108,512 63,216 61,911 45,344 44,265 2,336 | 108,561 63,417 62,039 45,154 44,231 2,291 | 109,016 63,726 62,312 45,289 44,387 2,317 | 109,483 63,829 62,375 45,604 44,675 2,433 | 110,307 64,138 62,795 46,042 45,148 2,364 | 109,985 63,857 62,493 46,013 45,169 2,324 | 110,104 64,047 62,660 45,957 45,105 2,339 | 109,668 63,650 62,326 45,955 45,052 2,290 | 109,990 63,624 62,197 46,271 45,299 2,494 | 110,313 63,758 62,332 46,612 45,595 2,386 | 109,640 63,800 62,312 45,950 44,979 2,349 | 109,885 63,681 62,238 46,305 45,347 2,300 |
| Part-time workers Men, 16 years and over Men, 20 years and over Women, 16 years and over Women, 20 years and over Both sexes, 16 to 19 years | 22,975 7,332 5,181 15,638 13,230 4,564 | 23,284 7,644 5,364 15,682 13,154 4,766 | 23,281 7,490 5,295 15,797 13,197 4,789 | 23,249 7,554 5,332 15,690 13,125 4,792 | 23,258 7,490 5,272 15,770 13,134 4,852 | 23,198 7,236 5,070 15,862 13,348 4,780 | 23,157 7,376 5,058 15,780 13,131 4,967 | 23,160 7,365 5,145 15,776 13,160 4,854 | 23,351 7,500 5,219 15,880 13,295 4,836 | 23,261 7,505 5,163 15,757 13,227 4,871 | 22,989 7,535 5,272 15,505 13,110 4,607 | 23,562 7,620 5,391 15,932 13,388 4,783 | 23,482 7,698 5,591 15,704 13,251 4,640 |
| UNEMPLOYED | | | | | | | | | | | | | |
| Looking for full-time work | 4,919 2,739 2,364 2,209 1,959 596 | 4,916 2,788 2,383 2,159 1,924 609 | 4,871 2,698 2,324 2,215 1,944 603 | 4,736 2,611 2,235 2,179 1,918 583 | 4,781 2,675 2,319 2,131 1,891 571 | 4,708 2,529 2,235 2,063 1,802 671 | 4,929 2,691 2,384 2,167 1,933 612 | 4,617 2,283 2,058 2,230 1,973 585 | 4,805 2,498 2,196 2,325 2,063 546 | 4,592 2,532 2,272 2,057 1,836 484 | 4,628 2,574 2,234 2,132 1,918 476 | 4,732 2,558 2,251 2,155 1,974 506 | 4,756 2,672 2,337 2,104 1,875 544 |
| Looking for part-time work Men, 16 years and over Men, 20 years and over Women, 16 years and over Women, 20 years and over Both sexes, 16 to 19 years | 1,298 539 205 744 459 634 | 1,298 571 213 708 424 661 | 1,362 594 223 748 442 697 | 1,340 577 219 757 464 657 | 1,263 581 209 663 412 642 | 1,272 489 180 752 447 645 | 1,196 472 208 735 429 560 | 1,191 485 178 698 397 615 | 1,214 552 186 710 408 621 | 1,247 608 285 651 370 592 | 1,317 586 265 748 452 600 | 1,216 515 225 714 448 543 | 1,118 434 165 659 390 563 |
| UNEMPLOYMENT RATES ¹ | | | | | | | | | | | | | |
| Full-time workers | 4.4 4.2 3.7 4.7 4.3 20.4 | 4.3 4.2 3.7 4.5 4.2 20.7 | 4.3 4.1 3.6 4.7 4.2 20.8 | 4.2 3.9 3.5 4.6 4.1 20.1 | 4.2 4.0 3.6 4.5 4.1 19.0 | 4.1 3.8 3.4 4.3 3.8 22.1 | 4.3 4.0 3.7 4.5 4.1 20.8 | 4.0 3.4 3.2 4.6 4.2 20.0 | 4.2 3.8 3.4 4.8 4.4 19.3 | 4.0 3.8 3.5 4.3 3.9 16.2 | 4.0 3.9 3.5 4.4 4.0 16.6 | 4.1 3.9 3.5 4.5 4.2 17.7 | 4.1 4.0 3.6 4.3 4.0 |
| Part-time workers | 5.3 6.8 3.8 4.5 3.4 12.2 | 5.3 7.0 3.8 4.3 3.1 12.2 | 5.5 7.3 4.0 4.5 3.2 12.7 | 5.4 7.1 3.9 4.6 3.4 12.1 | 5.2 7.2 3.8 4.0 3.0 11.7 | 5.2 6.3 3.4 4.5 3.2 11.9 | 4.9 6.0 3.9 4.5 3.2 10.1 | 4.9 6.2 3.4 4.2 2.9 11.2 | 4.9 6.9 3.4 4.3 3.0 11.4 | 5.1 7.5 5.2 4.0 2.7 10.8 | 5.4 7.2 4.8 4.6 3.3 11.5 | 4.9 6.3 4.0 4.3 3.2 10.2 | 4.5 5.3 2.9 4.0 2.9 10.8 |

 $^{^{\}rm 1}$ 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 1999, data reflect revised population controls used in the household survey.

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

| | | | 1998 | | | | | | 19 | 99 | | | |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Category | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | July | Aug. |
| MARITAL STATUS | | | | | | | | | | | | | |
| Total | 131,264 42,874 32,670 7,928 | 131,818 43,170 32,891 7,984 | 131,858 43,090 33,037 7,940 | 132,113 43,209 32,953 7,969 | 132,526 43,227 33,093 8,087 | 133,396 43,542 33,652 8,076 | 133,144 43,016 33,092 8,113 | 133,033 43,114 33,134 8,148 | 133,069 43,190 33,285 8,050 | 133,224 42,882 33,487 8,039 | 133,432 43,291 33,802 7,991 | 133,307 43,353 33,302 8,289 | 133,41° 43,398 33,458 8,357 |
| OCCUPATION | | | | | | | | | | | | | |
| Managerial and professional specialty Technical, sales, and administrative | 38,942 | 39,553 | 39,679 | 39,459 | 39,729 | 39,836 | 39,531 | 39,900 | 40,504 | 40,500 | 40,946 | 40,901 | 40,893 |
| support | 38,843 17,770 14,158 17,968 3,590 | 38,478 17,926 14,045 18,118 3,585 | 38,431 17,692 14,192 18,168 3,604 | 38,430 18,024 14,552 18,067 3,538 | 38,307 17,976 14,685 18,480 3,396 | 38,846 18,070 14,751 18,476 3,422 | 39,254 18,163 14,742 18,021 3,490 | 38,893 18,074 14,661 18,177 3,417 | 38,866 17,868 14,518 17,656 3,539 | 39,103 18,111 14,432 17,813 3,441 | 38,729 18,020 14,084 18,190 3,504 | 38,573 18,035 14,405 17,985 3,423 | 38,842 18,034 14,241 18,058 3,422 |
| CLASS OF WORKER | | | | | | | | | | | | | |
| Agriculture: Wage and salary workers Self-employed workers Unpaid family workers Nonagricultural industries: Wage and salary workers Private industries Private households | 1,342 31 118,840 100,508 871 | 100,700 918 | 2,247 1,282 33 119,275 100,728 946 | 2,005 1,304 40 119,718 101,111 969 | 1,912 1,304 34 120,380 101,694 943 | 1,987 1,298 30 121,115 102,202 881 | 1,895 1,381 44 121,066 102,283 849 | 1,893 1,376 39 121,005 102,306 917 | 1,908 1,439 31 120,785 102,076 941 | 1,919 1,348 33 121,168 102,496 910 | 1,911 1,369 37 121,005 101,895 1,001 | 1,938 1,300 47 121,157 102,089 943 | 1,900 1,262 48 121,163 101,920 |
| Other industries | 18,332 8,955 | 99,782 18,448 9,096 88 | 99,782 18,547 9,030 95 | 100,142 18,607 8,929 112 | 100,751 18,686 8,814 122 | 101,321 18,913 8,830 121 | 101,434 18,782 8,658 114 | 101,389 18,699 8,650 125 | 101,135 18,709 8,813 63 | 101,586 18,672 8,687 60 | 100,894 19,110 8,857 87 | 101,146 19,068 8,837 74 | 101,049 19,243 9,066 9 |
| PERSONS AT WORK PART TIME ¹ | | | | | | | | | | | | | |
| All industries: Part time for economic reasons Slack work or business conditions Could only find part-time work Part time for noneconomic reasons | 2,019 | 3,419 1,913 1,168 18,687 | 3,404 2,031 1,136 18,667 | 3,340 1,910 1,157 18,634 | 3,417 1,927 1,148 18,674 | 3,562 2,093 1,115 18,485 | 3,426 1,984 1,141 18,642 | 3,564 2,045 1,208 18,545 | 3,408 1,920 1,124 18,882 | 3,422 1,946 1,137 18,632 | 3,418 2,092 1,014 18,666 | 3,299 1,983 1,044 19,122 | 3,248 1,871 1,057 19,359 |
| Nonagricultural industries: Part time for economic reasons Slack work or business conditions Could only find part-time work Part time for noneconomic reasons | 3,339 1,926 1,155 18,031 | 3,191 1,800 1,132 18,161 | 3,253 1,927 1,110 18,107 | 3,191 1,824 1,130 18,110 | 3,257 1,841 1,116 18,155 | 3,413 1,989 1,094 17,921 | 3,298 1,906 1,108 18,061 | 3,374 1,955 1,159 17,944 | 3,224 1,831 1,092 18,320 | 3,247 1,838 1,111 18,098 | 3,232 1,944 1,010 18,016 | 3,130 1,846 1,028 18,618 | 3,10 1,79 1,04 18,78 |

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 1999, data reflect revised population controls used in the household survey.

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

(In thousands)

| | | | 1998 | | | | | | 19 | 99 | | | |
|--------------------------|---------|---------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Age and sex | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| Total, 16 years and over | 131,264 | 131,818 | 131,858 | 132,113 | 132,526 | 133,396 | 133,144 | 133,033 | 133,069 | 133,224 | 133,432 | 133,307 | 133,411 |
| 16 to 24 years | 19,490 | 19,676 | 19,757 | 19,705 | 19,859 | 19,891 | 20,081 | 20,063 | 19,940 | 20,087 | 19,896 | 20,081 | 20,037 |
| 16 to 19 years | 7,029 | 7,130 | 7,059 | 7,037 | 7,228 | 7,046 | 7,276 | 7,136 | 7,141 | 7,306 | 7,081 | 7,247 | 7,075 |
| 16 to 17 years | 2,730 | 2,788 | 2,721 | 2,709 | 2,808 | 2,751 | 2,841 | 2,786 | 2,818 | 2,815 | 2,726 | 2,878 | 2,752 |
| 18 to 19 years | 4,286 | 4,339 | 4,332 | 4,340 | 4,419 | 4,313 | 4,413 | 4,361 | 4,319 | 4,494 | 4,373 | 4,357 | 4,293 |
| 20 to 24 years | 12,461 | 12,546 | 12,698 | 12,668 | 12,631 | 12,846 | 12,804 | 12,926 | 12,799 | 12,781 | 12,816 | 12,834 | 12,962 |
| 25 years and over | 111,820 | 112,115 | 112,126 | 112,409 | 112,654 | 113,557 | 113,068 | 112,985 | 113,124 | 113,219 | 113,519 | 113,207 | 113,427 |
| 25 to 54 years | 95,212 | 95,364 | 95,309 | 95,623 | 95,822 | 96,713 | 96,146 | 95,968 | 95,967 | 96,047 | 96,161 | 95,882 | 96,018 |
| 55 years and over | 16,607 | 16,783 | 16,771 | 16,781 | 16,871 | 16,836 | 16,972 | 17,053 | 17,136 | 17,071 | 17,287 | 17,376 | 17,423 |
| Men, 16 years and over | 70,503 | 70,841 | 70,925 | 71,182 | 71,204 | 71,459 | 71,276 | 71,352 | 71,225 | 71,198 | 71,321 | 71,444 | 71,332 |
| 16 to 24 years | 10,141 | 10,206 | 10,246 | 10,332 | 10.347 | 10.320 | 10,435 | 10,425 | 10,158 | 10,427 | 10,291 | 10,411 | 10,412 |
| 16 to 19 years | 3,563 | 3,579 | 3,563 | 3,609 | 3,651 | 3,574 | 3,699 | 3,639 | 3,617 | 3,800 | 3,688 | 3,757 | 3,650 |
| 16 to 17 years | 1,377 | 1,393 | 1,348 | 1,380 | 1,405 | 1,427 | 1,453 | 1,404 | 1,398 | 1,461 | 1,433 | 1,487 | 1,434 |
| 18 to 19 years | 2,177 | 2,172 | 2,213 | 2,218 | 2,243 | 2,170 | 2,238 | 2,242 | 2,223 | 2,341 | 2,275 | 2,255 | 2,192 |
| 20 to 24 years | 6,578 | 6,627 | 6,683 | 6,723 | 6,696 | 6,745 | 6,736 | 6,786 | 6,541 | 6,627 | 6,603 | 6,654 | 6,762 |
| 25 years and over | 60,444 | 60,617 | 60,680 | 60,840 | 60,843 | 61,148 | 60,843 | 60,905 | 61,026 | 60,801 | 61,012 | 61,015 | 61,021 |
| 25 to 54 years | 51,167 | 51,232 | 51,299 | 51,606 | 51,502 | 51,811 | 51,430 | 51,435 | 51,446 | 51,356 | 51,381 | 51,455 | 51,366 |
| 55 years and over | 9,238 | 9,386 | 9,340 | 9,311 | 9,374 | 9,362 | 9,465 | 9,495 | 9,536 | 9,417 | 9,566 | 9,597 | 9,637 |
| Women, 16 years and over | 60,761 | 60,977 | 60,933 | 60,931 | 61,322 | 61,937 | 61,869 | 61,680 | 61,845 | 62,026 | 62,112 | 61,863 | 62,079 |
| 16 to 24 years | 9,349 | 9,470 | 9.51 1 | 9.373 | 9.512 | 9.572 | 9,646 | 9,637 | 9,782 | 9.661 | 9.606 | 9.670 | 9.625 |
| 16 to 19 years | 3,466 | 3,551 | 3,496 | 3,428 | 3,577 | 3,471 | 3,578 | 3,497 | 3,524 | 3,507 | 3,393 | 3,490 | 3,425 |
| 16 to 17 years | 1,353 | 1,395 | 1,373 | 1,329 | 1,403 | 1,324 | 1,388 | 1,382 | 1,420 | 1,355 | 1,294 | 1,390 | 1,317 |
| 18 to 19 years | 2,109 | 2,167 | 2,119 | 2,122 | 2,176 | 2,142 | 2,175 | 2,119 | 2,096 | 2,153 | 2,097 | 2,102 | 2,102 |
| 20 to 24 years | 5,883 | 5,919 | 6,015 | 5,945 | 5,935 | 6,101 | 6,068 | 6,140 | 6,258 | 6,154 | 6,213 | 6,180 | 6,200 |
| 25 years and over | 51,376 | 51,498 | 51,446 | 51,569 | 51,811 | 52,410 | 52,226 | 52,080 | 52,099 | 52,417 | 52,507 | 52,192 | 52,406 |
| 25 to 54 years | 44,045 | 44.132 | 44,010 | 44,017 | 44,320 | 44,902 | 44,715 | 44,534 | 44,521 | 44,690 | 44,781 | 44,427 | 44,652 |
| 55 years and over | 7,369 | 7,397 | 7,431 | 7,470 | 7,497 | 7,474 | 7,508 | 7,558 | 7,600 | 7,654 | 7,722 | 7,779 | 7,786 |

NOTE: Beginning in January 1999, data reflect revised population controls

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

| Ann and any | | | 1998 | | | | | | 19 | 99 | | | |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Age and sex | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| | | | | | - | | | | | | | | |
| Total, 16 years and over | 6,217 | 6,263 | 6,258 | 6,080 | 6,021 | 5,950 | 6,127 | 5,783 | 6,022 | 5,795 | 5,975 | 5,947 | 5,853 |
| 16 to 24 years | 2,366 | 2,400 | 2,320 | 2,171 | 2,153 | 2,240 | 2,274 | 2,223 | 2,217 | 2,092 | 2,181 | 2,128 | 2.126 |
| 16 to 19 years | 1,226 | 1,278 | 1,318 | 1,237 | 1,172 | 1,288 | 1,199 | 1,195 | 1,171 | 1,052 | 1,108 | 1,053 | 1,102 |
| 16 to 17 years | 565 | 596 | 607 | 595 | 573 | 619 | 520 | 554 | 572 | 531 | 524 | 493 | 517 |
| 18 to 19 years | 669 | 679 | 704 | 646 | 611 | 653 | 666 | 640 | 608 | 531 | 586 | 563 | 592 |
| 20 to 24 years | 1,140 | 1,122 | 1,002 | 934 | 981 | 952 | 1,075 | 1,028 | 1,046 | 1,040 | 1,073 | 1,075 | 1,023 |
| 25 years and over | 3,865 | 3,894 | 3,931 | 3,879 | 3,864 | 3,743 | 3,835 | 3,573 | 3,792 | 3,718 | 3,788 | 3,792 | 3,745 |
| 25 to 54 years | 3,419 | 3,416 | 3,475 | 3,377 | 3,340 | 3,257 | 3,359 | 3,087 | 3,271 | 3,218 | 3,242 | 3,242 | 3,272 |
| 55 years and over | 449 | 464 | 466 | 516 | 517 | 509 | 501 | 504 | 513 | 462 | 537 | 544 | 472 |
| Men, 16 years and over | 3,251 | 3,361 | 3,264 | 3,163 | 3,233 | 3,140 | 3,228 | 2,881 | 3,010 | 3,118 | 3,099 | 3,056 | 3,067 |
| 16 to 24 years | 1,286 | 1,374 | 1,255 | 1,190 | 1,247 | 1,241 | 1,179 | 1,151 | 1,192 | 1,180 | 1,231 | 1,180 | 1,126 |
| 16 to 19 years | 673 | 754 | 713 | 713 | 717 | 729 | 630 | 643 | 627 | 584 | 605 | 579 | 571 |
| 16 to 17 years | 320 | 352 | 357 | 344 | 349 | 349 | 262 | 286 | 332 | 313 | 282 | 271 | 270 |
| 18 to 19 years | 360 | 386 | 351 | 373 | 364 | 375 | 368 | 354 | 310 | 277 | 333 | 303 | 308 |
| 20 to 24 years | 613 | 620 | 542 | 477 | 530 | 512 | 548 | 508 | 565 | 597 | 626 | 601 | 555 |
| 25 years and over | 1,983 | 1,994 | 2,006 | 1,952 | 1,987 | 1,900 | 2,036 | 1,721 | 1,827 | 1,958 | 1,861 | 1,866 | 1,963 |
| 25 to 54 years | 1,739 | 1,711 | 1,739 | 1,652 | 1,688 | 1,646 | 1,750 | 1,481 | 1,562 | 1,662 | 1,601 | 1,559 | 1,680 |
| 55 years and over | 247 | 286 | 276 | 296 | 300 | 273 | 295 | 252 | 258 | 261 | 258 | 316 | 286 |
| Women, 16 years and over | 2,966 | 2,902 | 2,994 | 2,917 | 2,788 | 2,810 | 2,899 | 2,902 | 3,012 | 2,677 | 2,876 | 2,891 | 2,786 |
| 16 to 24 years | 1,080 | 1,026 | 1,065 | 981 | 906 | 999 | 1,095 | 1,071 | 1,025 | 912 | 950 | 948 | 1.000 |
| 16 to 19 years | 553 | 524 | 605 | 524 | 455 | 559 | 568 | 551 | 544 | 468 | 503 | 473 | 531 |
| 16 to 17 years | 245 | 244 | 250 | 251 | 224 | 270 | 259 | 267 | 240 | 217 | 241 | 222 | 248 |
| 18 to 19 years | 309 | 293 | 353 | 273 | 247 | 278 | 298 | 286 | 298 | 255 | 253 | 260 | 284 |
| 20 to 24 years | 527 | 502 | 460 | 457 | 451 | 440 | 527 | 520 | 481 | 444 | 447 | 475 | 469 |
| 25 years and over | 1,882 | 1,900 | 1,925 | 1,927 | 1,877 | 1,842 | 1,799 | 1,852 | 1,965 | 1,760 | 1,927 | 1,926 | 1,782 |
| 25 to 54 years | 1,680 | 1,705 | 1,736 | 1,725 | 1,652 | 1,611 | 1,609 | 1,606 | 1,709 | 1,556 | 1,641 | 1,683 | 1,593 |
| 55 years and over | 202 | 178 | 190 | 220 | 217 | 236 | 206 | 251 | 256 | 201 | 279 | 228 | 185 |

NOTE: Beginning in January 1999, data reflect revised population controls

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

(Percent)

| Ama and any | | | 1998 | | | | | | 19 | 99 | | | |
|--------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|
| Age and sex | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| | | | | | | · | | | | | | | |
| Total, 16 years and over | 4.5 | 4.5 | 4.5 | 4.4 | 4.3 | 4.3 | 4.4 | 4.2 | 4.3 | 4.2 | 4.3 | 4.3 | 4.2 |
| 16 to 24 years | 10.8 | 10.9 | 10.5 | 9.9 | 9.8 | 10.1 | 10.2 | 10.0 | 10.0 | 9.4 | 9.9 | 9.6 | 9.6 |
| 16 to 19 years | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 | 15.5 | 14.1 | 14.3 | 14.1 | 12.6 | 13.5 | 12.7 | 13.5 |
| 16 to 17 years | 17.1 | 17.6 | 18.2 | 18.0 | 16.9 | 18.4 | 15.5 | 16.6 | 16.9 | 15.9 | 16.1 | 14.6 | 15.8 |
| 18 to 19 years | 13.5 | 13.5 | 14.0 | 13.0 | 12.1 | 13.1 | 13.1 | 12.8 | 12.3 | 10.6 | 11.8 | 11.4 | 12.1 |
| 20 to 24 years | 8.4 | 8.2 | 7.3 | 6.9 | 7.2 | 6.9 | 7.7 | 7.4 | 7.6 | 7.5 | 7.7 | 7.7 | 7.3 |
| 25 years and over | 3.3 | 3.4 | 3.4 | 3.3 | 3.3 | 3.2 | 3.3 | 3.1 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 25 to 54 years | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.3 | 3.4 | 3.1 | 3.3 | 3.2 | 3.3 | 3.3 | 3.3 |
| 55 years and over | 2.6 | 2.7 | 2.7 | 3.0 | 3.0 | 2.9 | 2.9 | 2.9 | 2.9 | 2.6 | 3.0 | 3.0 | 2.6 |
| Men, 16 years and over | 4.4 | 4.5 | 4.4 | 4.3 | 4.3 | 4.2 | 4.3 | 3.9 | 4.1 | 4.2 | 4.2 | 4.1 | 4.1 |
| 16 to 24 years | 11.3 | 11.9 | 10.9 | 10.3 | 10.8 | 10.7 | 10.1 | 9.9 | 10.5 | 10.2 | 10.7 | 10.2 | 9.8 |
| 16 to 19 years | 15.9 | 17.4 | 16.7 | 16.5 | 16.4 | 16.9 | 14.6 | 15.0 | 14.8 | 13.3 | 14.1 | 13.4 | 13.5 |
| 16 to 17 years | 18.9 | 20.2 | 20.9 | 20.0 | 19.9 | 19.7 | 15.3 | 16.9 | 19.2 | 17.7 | 16.5 | 15.4 | 15.8 |
| 18 to 19 years | 14.2 | 15.1 | 13.7 | 14.4 | 14.0 | 14.7 | 14.1 | 13.6 | 12.2 | 10.6 | 12.8 | 11.8 | 12.3 |
| 20 to 24 years | 8.5 | 8.6 | 7.5 | 6.6 | 7.3 | 7.1 | 7.5 | 7.0 | 8.0 | 8.3 | 8.7 | 8.3 | 7.6 |
| 25 years and over | 3.2 | 3.2 | 3.2 | 3.1 | 3.2 | 3.0 | 3.2 | 2.7 | 2.9 | 3.1 | 3.0 | 3.0 | 3.1 |
| 25 to 54 years | 3.3 | 3.2 | 3.3 | 3.1 | 3.2 | 3.1 | 3.3 | 2.8 | 2.9 | 3.1 | 3.0 | 2.9 | 3.2 |
| 55 years and over | 2.6 | 3.0 | 2.9 | 3.1 | 3.1 | 2.8 | 3.0 | 2.6 | 2.6 | 2.7 | 2.6 | 3.2 | 2.9 |
| Women, 16 years and over | 4.7 | 4.5 | 4.7 | 4.6 | 4.3 | 4.3 | 4.5 | 4.5 | 4.6 | 4.1 | 4.4 | 4.5 | 4.3 |
| 16 to 24 years | 10.4 | 9.8 | 10.1 | 9.5 | 8.7 | 9.5 | 10.2 | 10.0 | 9.5 | 8.6 | 9.0 | 8.9 | 9.4 |
| 16 to 19 years | 13.8 | 12.9 | 14.8 | 13.3 | 11.3 | 13.9 | 13.7 | 13.6 | 13.4 | 11.8 | 12.9 | 11.9 | 13.4 |
| 16 to 17 years | 15.3 | 14.9 | 15.4 | 15.9 | 13.8 | 16.9 | 15.7 | 16.2 | 14.5 | 13.8 | 15.7 | 13.8 | 15.8 |
| 18 to 19 years | 12.8 | 11.9 | 14.3 | 11.4 | 10.2 | 11.5 | 12.1 | 11.9 | 12.5 | 10.6 | 10.7 | 11.0 | 11.9 |
| 20 to 24 years | 8.2 | 7.8 | 7.1 | 7.1 | 7.1 | 6.7 | 8.0 | 7.8 | 7.1 | 6.7 | 6.7 | 7.1 | 7.0 |
| 25 years and over | 3.5 | 3.6 | 3.6 | 3.6 | 3.5 | 3.4 | 3.3 | 3.4 | 3.6 | 3.2 | 3.5 | 3.6 | 3.3 |
| 25 to 54 years | 3.7 | 3.7 | 3.8 | 3.8 | 3.6 | 3.5 | 3.5 | 3.5 | 3.7 | 3.4 | 3.5 | 3.7 | 3.4 |
| 55 years and over | 2.7 | 2.3 | 2.5 | 2.9 | 2.8 | 3.1 | 2.7 | 3.2 | 3.3 | 2.6 | 3.5 | 2.9 | 2.3 |

NOTE: Beginning in January 1999, data reflect revised population controls

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(Percent)

| Catagony | | | 1998 | | | | | | 19 | 99 | | | |
|---|------------|------------|------------|------|------|------|------|------|------|------|------|------|------|
| Category | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug |
| CHARACTERISTIC | | | | | | | | | | | | | |
| Fotal | 4.5 | 4.5 | 4.5 | 4.4 | 4.3 | 4.3 | 4.4 | 4.2 | 4.3 | 4.2 | 4.3 | 4.3 | 4.2 |
| Men, 20 years and over | 3.7 | 3.7 | 3.6 | 3.5 | 3.6 | 3.4 | 3.7 | 3.2 | 3.4 | 3.6 | 3.6 | 3.5 | 3.6 |
| Women, 20 years and over | 4.0 | 4.0 | 4.0 | 4.0 | 3.9 | 3.7 | 3.8 | 3.9 | 4.1 | 3.6 | 3.9 | 4.0 | 3.7 |
| Both sexes, 16 to 19 years | 14.9 | 15.2 | 15.7 | 15.0 | 14.0 | 15.5 | 14.1 | 14.3 | 14.1 | 12.6 | 13.5 | 12.7 | 13.5 |
| White | 3.9 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.6 | 3.8 | 3.7 | 3.8 | 3.7 | 3.7 |
| Black and other | 7.6 | 7.9 | 7.6 | 7.5 | 7.0 | 6.9 | 7.4 | 7.2 | 6.9 | 6.7 | 6.6 | 7.3 | 6.8 |
| Black | 8.9 | 9.0 | 8.6 | 8.6 | 7.9 | 7.8 | 8.3 | 8.1 | 7.7 | 7.5 | 7.3 | 8.8 | 7.8 |
| Hispanic origin | 7.4 | 7.4 | 7.3 | 7.3 | 7.6 | 6.6 | 6.7 | 5.8 | 6.9 | 6.7 | 6.8 | 6.2 | 6.5 |
| Married men, spouse present | 2.3 | 2.3 | 2.3 | 2.2 | 2.3 | 2.3 | 2.4 | 2.1 | 2.3 | 2.4 | 2.2 | 2.3 | 2.3 |
| Married women, spouse present | 3.1 | 2.7 | 2.8 | 2.9 | 2.8 | 2.8 | 2.8 | 2.7 | 2.9 | 2.5 | 2.7 | 2.9 | 2. |
| Women who maintain families | 6.8 | 7.6 | 6.9 | 6.9 | 6.3 | 6.1 | 6.5 | 6.7 | 7.2 | 6.0 | 6.6 | 6.4 | 6.4 |
| OCCUPATION ¹ | | | | | | | | | | | | | |
| Managerial and professional specialty | 1.9 | 1.8 | 1.9 | 1.8 | 1.8 | 1.8 | 1.9 | 1.9 | 1.9 | 2.0 | 2.0 | 1.9 | 1.8 |
| Technical, sales, and administrative support | 3.7 | 3.9 | 3.9 | 3.7 | 3.7 | 3.8 | 3.9 | 3.8 | 3.9 | 3.3 | 3.6 | 4.0 | 3.0 |
| Precision production, craft, and repair | 4.5 | 4.3 | 4.0 | 3.8 | 3.2 | 3.5 | 4.4 | 3.6 | 3.8 | 4.1 | 4.9 | 3.8 | 4.0 |
| Operators, fabricators, and laborers | 6.6 | 7.0 | 6.8 | 6.7 | 6.7 | 5.9 | 6.0 | 5.9 | 6.5 | 6.5 | 6.0 | 6.3 | 6.: |
| Farming, forestry, and fishing | 5.9 | 7.0 | 5.4 | 6.3 | 7.5 | 7.7 | 7.8 | 6.9 | 7.3 | 8.0 | 7.5 | 6.4 | 6. |
| INDUSTRY | | | | | | | | | | | | | ł |
| Nonagricultural private wage and salary workers | 4.7 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3 | 4.3 | 4.2 | 4.4 | 4.2 | 4.4 | 4.4 | 4.3 |
| Goods-producing industries | 4.8 | 5.1 | 4.6 | 4.6 | 4.6 | 4.6 | 4.7 | 4.3 | 4.5 | 4.4 | 4.7 | 4.4 | 5.0 |
| Mining | 3.6 | 3.0 | 2.4 | 2.2 | 4.3 | 7.4 | 7.7 | 5.3 | 9.3 | 5.9 | 4.7 | 6.4 | 4.0 |
| Construction | 7.4 | 8.6 | 6.7 | 7.0 | 6.4 | 7.3 | 7.5 | 6.7 | 7.4 | 7.2 | 7.5 | 6.7 | 7.9 |
| Manufacturing | 3.9 | 4.0 | 3.9 | 3.8 | 4.0 | 3.5 | 3.7 | 3.4 | 3.3 | 3.4 | 3.8 | 3.5 | 3.9 |
| Durable goods | 3.5 | 3.7 | 3.2 | 3.2 | 3.4 | 3.4 | 3.3 | 2.9 | 3.1 | 3.3 | 3.6 | 3.8 | 3.7 |
| Nondurable goods | 4.5 | 4.6 | 5.1 | 4.8 | 4.9 | 3.8 | 4.3 | 4.1 | 3.7 | 3.6 | 4.0 | 3.0 | 4. |
| Service-producing industries | 4.7 | 4.6 | 4.7 | 4.5 | 4.4 | 4.2 | 4.2 | 4.2 | 4.3 | 4.1 | 4.3 | 4.4 | 4.0 |
| Transportation and public utilities | 3.5 | 3.5 | 3.5 | 3.2 | 3.2 | 2.5 | 3.2 | 2.9 | 2.8 | 3.3 | 2.8 | 3.6 | 3. |
| Wholesale and retail trade | 5.6 | 5.7 | 5.6 | 5.2 | 5.5 | 5.2 | 5.2 | 5.4 | 5.4 | 5.3 | 5.4 | 5.2 | 4.6 |
| Finance, insurance, and real estate | 2.7 | 2.4 | 2.5 | 2.8 | 2.8 | 2.4 | 2.4 | 1.9 | 3.2 | 2.1 | 2.3 | 2.3 | 2. |
| Services | 4.7 | 4.5 | 4.7 | 4.6 | 4.1 | 4.1 | 4.0 | 4.2 | 4.1 | 3.9 | 4.2 | 4.5 | 4.0 |
| Government workers | 2.2 7.4 | 2.2 7.9 | 2.2 6.7 | 2.1 | 2.0 | 2.2 | 2.3 | 2.1 | 2.5 | 2.6 | 2.4 | 2.3 | 2. |
| Agricultural wage and salary workers | 7.4 | 7.9 | 0.7 | 7.6 | 8.3 | 9.6 | 11.3 | 9.5 | 9.7 | 10.7 | 9.6 | 8.9 | 9. |

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 1999, data reflect revised population controls used in the household survey.

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

(Numbers in thousands)

| Reason | | | 1998 | | | | | | 19 | 99 | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| neasuri | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | July | Aug. |
| NUMBER OF UNEMPLOYED | | | | | , | | | | | | | | |
| Job losers and persons who completed temporary jobs On temporary layoff Not on temporary layoff Job leavers Reentrants New entrants | 2,834 937 1,897 734 2,124 507 | 2,865 909 1,956 727 2,161 501 | 2,813 857 1,956 730 2,142 577 | 2,758 850 1,908 677 2,130 534 | 2,754 841 1,913 709 2,031 504 | 2,696 864 1,832 699 1,993 537 | 2,738 849 1,889 751 2,110 509 | 2,563 812 1,751 780 1,988 431 | 2,700 838 1,862 841 2,044 469 | 2,663 821 1,842 789 2,040 415 | 2,683 892 1,791 864 2,057 349 | 2,740 850 1,890 755 2,011 402 | 2,662 929 1,734 797 1,896 483 |
| PERCENT DISTRIBUTION | | | | | | | | | | | | | |
| Job losers and persons who completed temporary jobs On temporary layoff | 45.7 15.1 30.6 11.8 34.3 8.2 | 45.8 14.5 31.3 11.6 34.6 8.0 | 44.9 13.7 31.2 11.7 34.2 9.2 | 45.2 13.9 31.3 11.1 34.9 8.8 | 45.9 14.0 31.9 11.8 33.9 8.4 | 45.5 14.6 30.9 11.8 33.6 9.1 | 44.8 13.9 30.9 12.3 34.5 8.3 | 44.5 14.1 30.4 13.5 34.5 7.5 | 44.6 13.9 30.8 13.9 33.8 7.7 | 45.1 13.9 31.2 13.4 34.5 7.0 | 45.1 15.0 30.1 14.5 34.6 5.9 | 46.4 14.4 32.0 12.8 34.0 6.8 | 45.6 15.9 29.7 13.6 32.5 8.3 |
| UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE | | | | | | | | | | | | | |
| Job losers and persons who completed temporary jobs Job leavers | 2.1 .5 1.5 .4 | 2.1 .5 1.6 .4 | 2.0 .5 1.6 .4 | 2.0 .5 1.5 .4 | 2.0 .5 1.5 .4 | 1.9 .5 1.4 .4 | 2.0 .5 1.5 .4 | 1.8 .6 1.4 .3 | 1.9 .6 1.5 .3 | 1.9 .6 1.5 .3 | 1.9 .6 1.5 .3 | 2.0 .5 1.4 .3 | 1.9 .6 1.4 .3 |

NOTE: Beginning in January 1999, data reflect revised population controls used

in the household survey.

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

(Numbers in thousands)

| Donation | | | 1998 | | | | | | 19 | 99 | | | |
|-----------------------------------|---------------------------------------|---|---|---|---|---------------------------------------|---|---|---|---|---|---|---|
| Duration | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. |
| NUMBER OF UNEMPLOYED | | | | | | | | | | | | | |
| Less than 5 weeks | 2,652 1,956 1,644 810 834 | 2,638 1,968 1,636 732 904 | 2,754 1,896 1,598 732 866 | 2,546 1,983 1,611 752 859 | 2,614 1,839 1,578 754 824 | 2,353 2,071 1,469 753 716 | 2,601 1,944 1,550 766 784 | 2,478 1,891 1,434 736 697 | 2,788 1,867 1,446 773 673 | 2,467 1,816 1,523 794 729 | 2,529 1,736 1,668 824 844 | 2,680 1,766 1,505 787 718 | 2,621 1,810 1,449 745 704 |
| Average (mean) duration, in weeks | 13.7 6.8 | 14.3 6.6 | 14.1 5.9 | 14.4 6.7 | 14.1 6.7 | 13.4 6.9 | 13.8 7.0 | 13.5 6.9 | 13.1 6.1 | 13.4 6.7 | 14.5 6.2 | 13.6 5.7 | 13.2 6.5 |
| Total unemployed | 100.0 42.4 31.3 26.3 13.0 | 100.0 42.3 31.5 26.2 11.7 14.5 | 100.0 44.1 30.3 25.6 11.7 13.9 | 100.0 41.5 32.3 26.2 12.2 14.0 | 100.0 43.3 30.5 26.2 12.5 13.7 | 100.0 39.9 35.1 24.9 12.8 | 100.0 42.7 31.9 25.4 12.6 12.9 | 100.0 42.7 32.6 24.7 12.7 12.0 | 100.0 45.7 30.6 23.7 12.7 11.0 | 100.0 42.5 31.3 26.2 13.7 12.6 | 100.0 42.6 29.3 28.1 13.9 14.2 | 100.0 45.0 29.7 25.3 13.2 12.1 | 100.0 44.6 30.8 24.6 12.7 12.0 |

NOTE: Beginning in January 1999, data reflect revised population controls used

A-14. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

| | | | | | August 1 | 999 | | | | |
|----------------------------------|-------------------------------------|------------------|-----------------------------|------------------|-----------------------------|------------------|------------------------------------|--------------|---------------------------------|-----------------------------|
| | | | | | Civi | lian labor for | ce | | | |
| Age, sex, and race | Civilian | | |] | Emp | loyed | | Unem | ployed | |
| , go, oo, and too | noninsti- tutional population | Total | Percent of population | Total | Percent of population | Agri- culture | Nonagri- cultural industries | Number | Percent of labor force | Not in labor force |
| TOTAL | | | | | | | | | | |
| 3 years and over | | 140,090 | 67.3 | 134,264 | 64.5 | 3,525 | 130,739 | 5,826 | 4.2 | 67,948 |
| 16 to 19 years | | 9,014 | 56.1 | 7,962 | 49.6 | 309 | 7,653 | 1,051 | 11.7 | 7,048 |
| 16 to 17 years | | 3,716 5,298 | 46.0 66.3 | 3,237 4,725 | 40.1 59.1 | 146 163 | 3,091 | 479 | 12.9 | 4,354 |
| 20 to 24 years | | 14,315 | 79.5 | 13,258 | 73.7 | 382 | 4,562 12,876 | 572 1,057 | 10.8 7.4 | 2,694 3,684 |
| 25 to 54 years | 118,369 | 99,082 | 83.7 | 95,855 | 81.0 | 2,123 | 93,732 | 3,227 | 3.3 | 19,287 |
| 25 to 34 years | | 31,879 | 84.3 | 30,625 | 81.0 | 679 | 29,947 | 1,253 | 3.9 | 5,931 |
| 25 to 29 years | | 15,377 | 84.2 | 14,704 | 80.5 | 346 | 14,358 | 673 | 4.4 | 2,886 |
| 30 to 34 years | | 16,502 37,842 | 84.4 84.5 | 15,921 36,611 | 81.4 81.7 | 333 | 15,588 | 581 | 3.5 | 3,046 |
| 35 to 39 years | | 18,867 | 84.0 | 18,223 | 81.1 | 838 423 | 35,773 17,800 | 1,231 644 | 3.3 3.4 | 6,952 3,597 |
| 40 to 44 years | | 18,975 | 85.0 | 18,388 | 82.3 | 416 | 17,972 | 587 | 3.1 | 3,354 |
| 45 to 54 years | | 29,361 | 82.1 | 28,619 | 80.0 | 606 | 28,013 | 742 | 2.5 | 6,404 |
| 45 to 49 years | | 16,308 | 84.1 | 15,867 | 81.9 | 361 | 15,506 | 441 | 2.7 | 3,075 |
| 50 to 54 years55 to 64 years | | 13,053 13,708 | 79.7 59.4 | 12,752 13,338 | 77.8 57.8 | 245 | 12,507 | 301 | 2.3 | 3,329 |
| 55 to 59 years | | 8,875 | 69.7 | 8,639 | 57.8 67.8 | 432 234 | 12,906 8,405 | 370 236 | 2.7 2.7 | 9,357 3,864 |
| 60 to 64 years | | 4,833 | 46.8 | 4,699 | 45.5 | 198 | 4,501 | 134 | 2.7 | 5,493 |
| 35 years and over | 32,545 | 3,972 | 12.2 | 3,851 | 11.8 | 280 | 3,571 | 121 | 3.1 | 28,573 |
| 65 to 69 years | | 2,079 | 22.4 | 2,016 | 21.7 | 98 | 1,917 | 64 | 3.1 | 7,195 |
| 70 to 74 years75 years and over | | 1,111 782 | 12.9 5.3 | 1,080 755 | 12.5 5.2 | 78 103 | 1,001 652 | 31 26 | 2.8 | 7,522 |
| | 14,007 | , ,,, | 3.3 | /33 | 5.2 | 103 | 652 | 26 | 3.3 | 13,856 |
| Men | 00.963 | 75,190 | 75.0 | 72.348 | 70.4 | 0.047 | 00.704 | 0.040 | | |
| 3 years and over16 to 19 years | | 4,681 | 75.3 57.3 | 4,138 | 72.4 50.6 | 2,617 240 | 69,731 3,898 | 2,842 543 | 3.8 11.6 | 24,674 3,490 |
| 16 to 17 years | | 1,954 | 47.2 | 1,708 | 41.3 | 114 | 1,594 | 246 | 12.6 | 2,188 |
| 18 to 19 years | | 2,727 | 67.7 | 2,430 | 60.3 | 126 | 2,304 | 297 | 10.9 | 1,303 |
| 20 to 24 years | | 7,572 | 84.9 | 7,035 | 78.9 | 309 | 6,726 | 537 | 7.1 | 1,348 |
| 25 to 54 years | | 53,119 17,255 | 91.6 93.4 | 51,622 16,647 | 89.0 90.1 | 1,542 487 | 50,080 16,160 | 1,497 608 | 2.8 3.5 | 4,858 |
| 25 to 29 years | | 8,216 | 92.7 | 7,898 | 89.1 | 257 | 7,641 | 318 | 3.9 | 1,215 645 |
| 30 to 34 years | | 9,039 | 94.1 | 8,749 | 91.0 | 231 | 8,519 | 290 | 3.2 | 570 |
| 35 to 44 years | | 20,444 | 92.7 | 19,910 | 90.3 | 627 | 19,283 | 535 | 2.6 | 1,613 |
| 35 to 39 years | | 10,303 | 93.0 | 10,040 | 90.6 | 330 | 9,710 | 263 | 2.6 | 78 |
| 40 to 44 years | | 10,141 15,419 | 92.4 88.4 | 9,870 15,065 | 89.9 86.3 | 296 427 | 9,573 14,637 | 271 354 | 2.7 2.3 | 833 |
| 45 to 49 years | | 8,557 | 90.2 | 8,352 | 88.0 | 268 | 8,084 | 206 | 2.3 | 2,030 |
| 50 to 54 years | | 6,862 | 86.2 | 6,713 | 84.3 | 160 | 6,553 | 148 | 2.2 | 1,10 |
| 55 to 64 years | | 7,478 | 68.1 | 7,292 | 66.4 | 314 | 6,978 | 187 | 2.5 | 3,50 |
| 55 to 59 years | | 4,790 2,689 | 78.4 55.2 | 4,672 2,619 | 76.5 53.7 | 168 145 | 4,504 | 117 | 2.4 | 1,32 |
| 55 years and over | | 2,340 | 16.9 | 2,261 | 16.4 | 213 | 2,474 2,049 | 70 79 | 2.6 3.4 | 2,18 11,47 |
| 65 to 69 years | 4,251 | 1,199 | 28.2 | 1,160 | 27.3 | 77 | 1,083 | 39 | 3.2 | 3,05 |
| 70 to 74 years | | 666 | 17.3 | 650 | 16.9 | 56 | 594 | 17 | 2.5 | 3,18 |
| 75 years and over | 5,706 | 475 | 8.3 | 451 | 7.9 | 80 | 372 | 23 | 4.9 | 5,23 |
| Women | | | | | | | | | | |
| S years and over | 7 000 | 64,900 | 60.0 | 61,917 | 57.2 | 908 | 61,008 | 2,984 | 4.6 | 43,27 |
| 16 to 17 years | | 1,762 | 54.9 44.9 | 1,528 | 48.5 38.9 | 69 32 | 3,755 1,497 | 508 234 | 11.7 | 3,55 |
| 18 to 19 years | | 2,571 | 64.9 | 2,296 | 58.0 | 32 | 2,259 | 234 275 | 13.3 10.7 | 2,160 1,39 |
| 20 to 24 years | 9,080 | 6,743 | 74.3 | 6,223 | 68.5 | 73 | 6,150 | 520 | 7.7 | 2,33 |
| 25 to 54 years | | 45,963 | 76.1 | 44,233 | 73.2 | 581 | 43,652 | 1,730 | 3.8 | 14,429 |
| 25 to 34 years | | 14,624 | 75.6 | 13,978 | 72.3 | 191 | 13,787 | 646 | 4.4 | 4,710 |
| 25 to 29 years | | 7,161 7,462 | 76.2 75.1 | 6,806 7,172 | 72.4 72.2 | 89 102 | 6,717 7,070 | 355 291 | 5.0 3.9 | 2,24 2,47 |
| 35 to 44 years | | 17,398 | 76.5 | 16,701 | 73.5 | 211 | 16,490 | 697 | 4.0 | 5,33 |
| 35 to 39 years | 11,380 | 8,563 | 75.2 | 8,183 | 71.9 | 92 | 8,090 | 381 | 4.4 | 2,81 |
| 40 to 44 years | 11,356 | 8,834 | 77.8 | 8,518 | 75.0 | 119 | 8,399 | 316 | 3.6 | 2,52 |
| 45 to 54 years | | 13,942 | 76.1 | 13,554 | 74.0 | 179 | 13,376 | 388 | 2.8 | 4,37 |
| 45 to 49 years 50 to 54 years | | 7,750 6,191 | 78.3 73.5 | 7,515 6,039 | 75.9 71.7 | 93 86 | 7,422 5,953 | 235 153 | 3.0 2.5 | 2,14 |
| 55 to 64 years | | 6,230 | 51.6 | 6,033 | 50.1 | 118 | 5,933 5,929 | 183 | 2.5 2.9 | 2,22 5,85 |
| 55 to 59 years | 6,629 | 4,086 | 61.6 | 3,967 | 59.8 | 66 | 3,901 | 119 | 2.9 | 2,54 |
| 60 to 64 years | 5,451 | 2,144 | 39.3 | 2,080 | 38.2 | 53 | 2,028 | 64 | 3.0 | 3,30 |
| 65 years and over | | 1,632 | 8.7 | 1,589 | 8.5 | 67 | 1,522 | 43 | 2.6 | 17,10 |
| 65 to 69 years | | 881 | 17.5 | 855 | 17.0 | 21 | 834 | 25 | 2.9 | 4,14 |
| 70 to 74 years | 4,779 | 445 | 9.3 | 430 | 9.0 | 23 | 408 | 14 | 3.3 | 4,33 |

See footnotes at end of table.

A-14. Employment status of the civilian noninstitutional population by age, sex, and race — Continued

(Numbers in thousands)

| | | | | | August 1 | 999 | | | | |
|------------------------------------|-------------------------------------|------------------|-----------------------------|------------------|-----------------------------|------------------|------------------------------------|------------|---------------------------------|-----------------------------|
| | | | | · · · · · · | Civil | lian labor for | ce | | | |
| . | Civilian | | | | Emp | loyed | | Unem | ployed | |
| Age, sex, and race | noninsti- tutional population | Total | Percent of population | Total | Percent of population | Agri- culture | Nonagri- cultural industries | Number | Percent of labor force | Not in labor force |
| WHITE | | | | | | | | | | |
| 6 years and over | | 117,093 | 67.6 | 112,846 | 65.1 | 3,340 | 109,507 | 4,246 | 3.6 | 56,182 |
| 16 to 19 years | | 7,620 | 59.8 | 6,890 | 54.1 | 306 | 6,585 | 730 | 9.6 | 5,116 |
| 16 to 17 years | | 3,171 4,449 | 49.8 69.8 | 2,809 4,081 | 44.2 64.0 | 145 160 | 2,663 3,921 | 362 368 | 11.4 8.3 | 3,191 1,925 |
| 18 to 19 years20 to 24 years | | 11,720 | 81.2 | 10,979 | 76.1 | 359 | 10,620 | 742 | 6.3 | 2,711 |
| 25 to 54 years | | 82,121 | 84.3 | 79,759 | 81.9 | 1,993 | 77,765 | 2,362 | 2.9 | 15,242 |
| 25 to 34 years | 30,428 | 25,782 | 84.7 | 24,939 | 82.0 | 650 | 24,289 | 843 | 3.3 | 4,646 |
| 25 to 29 years | | 12,397 | 85.0 | 11,945 | 81.9 | 337 | 11,608 | 452 | 3.6 | 2,196 |
| 30 to 34 years | | 13,386 | 84.5 | 12,994 | 82.1 | 313 779 | 12,681 | 391 | 2.9 | 2,450 |
| 35 to 44 years | | 31,288 15,502 | 85.1 84.4 | 30,362 15,025 | 82.6 81.8 | 403 | 29,583 14,622 | 925 476 | 3.0 3.1 | 5,487 2,874 |
| 40 to 44 years | | 15,786 | 85.8 | 15,337 | 83.4 | 375 | 14,961 | 449 | 2.8 | 2,613 |
| 45 to 54 years | 30,159 | 25,051 | 83.1 | 24,458 | 81.1 | 565 | 23,893 | 593 | 2.4 | 5,108 |
| 45 to 49 years | 16,217 | 13,791 | 85.0 | 13,456 | 83.0 | 336 | 13,119 | 336 | 2.4 | 2,426 |
| 50 to 54 years | | 11,260 12,031 | 80.8 60.5 | 11,002 11,721 | 78.9 58.9 | 229 417 | 10,773 11,304 | 258 310 | 2.3 2.6 | 2,683 7,862 |
| 55 to 64 years | | 7,775 | 70.7 | 7,579 | 69.0 | 224 | 7,355 | 196 | 2.5 | 3,215 |
| 60 to 64 years | | 4,256 | 47.8 | 4,142 | 46.5 | 192 | 3,950 | 114 | 2.7 | 4,647 |
| 65 years and over | 28,853 | 3,601 | 12.5 | 3,498 | 12.1 | 265 | 3,232 | 103 | 2.9 | 25,252 |
| 65 to 69 years | | 1,863 | 23.2 | 1,813 | 22.5 | 89 | 1,724 | 50 | 2.7 | 6,181 |
| 70 to 74 years | | 1,012 725 | 13.3 5.5 | 983 701 | 12.9 5.3 | 78 98 | 905 604 | 29 24 | 2.9 3.3 | 6,583 12,488 |
| · | 15,215 | ,25 | 3.3 | /01 | 3.5 | 90 | 004 | 24 | 3.3 | 12,400 |
| Men | | | 70.0 | 04.004 | 70.7 | 0.405 | 50 400 | | | 40.070 |
| 6 years and over 16 to 19 years | | 64,049 3,986 | 76.2 61.2 | 61,901 3,598 | 73.7 55.2 | 2,465 240 | 59,436 3,358 | 2,148 | 3.4 9.7 | 19,979 2,532 |
| 16 to 17 years | | 1,648 | 50.3 | 1,461 | 44.6 | 114 | 1,347 | 187 | 11.3 | 1,628 |
| 18 to 19 years | | 2,338 | 72.1 | 2,136 | 65.9 | 126 | 2,011 | 201 | 8.6 | 904 |
| 20 to 24 years | 7,261 | 6,368 | 87.7 | 5,967 | 82.2 | 286 | 5,680 | 401 | 6.3 | 893 |
| 25 to 54 years | | 44,899 | 92.9 94.5 | 43,775 | 90.5 91.6 | 1,439 | 42,336 13,373 | 1,124 | 2.5 3.0 | 3,445 |
| 25 to 34 years25 to 29 years | | 14,267 6,795 | 94.5 | 13,836 6,572 | 90.9 | 463 247 | 6,325 | 223 | 3.0 | 838 432 |
| 30 to 34 years | | 7,472 | 94.9 | 7,264 | 92.2 | 216 | 7,048 | 208 | 2.8 | 406 |
| 35 to 44 years | | 17,241 | 94.0 | 16,829 | 91.7 | 577 | 16,252 | 412 | 2.4 | 1,107 |
| 35 to 39 years | | 8,634 | 94.2 | 8,435 | 92.0 | 311 | 8,124 | 199 | 2.3 | 533 |
| 40 to 44 years | | 8,607 13,390 | 93.7 89.9 | 8,394 13,109 | 91.4 88.0 | 266 399. | 8,128 12,710 | 213 281 | 2.5 2.1 | 574 1,500 |
| 45 to 54 years | 1 | 7,375 | 91.7 | 7,223 | 89.9 | 254 | 6,969 | 152 | 2.1 | 664 |
| 50 to 54 years | | 6,015 | 87.8 | 5,886 | 85.9 | 145 | 5,742 | 129 | 2.1 | 836 |
| 55 to 64 years | 9,609 | 6,647 | 69.2 | 6,486 | 67.5 | 302 | 6,185 | 160 | 2.4 | 2,962 |
| 55 to 59 years | | 4,248 | 79.6 | 4,145 | 77.7 | 161 | 3,984 | 102 | 2.4 | 1,091 |
| 60 to 64 years | 4,271 12,296 | 2,399 2,149 | 56.2 17.5 | 2,341 2,075 | 54.8 16.9 | 141 198 | 2,201 1,878 | 58 74 | 2.4 3.4 | 1,872 10,147 |
| 65 to 69 years | | 1,095 | 29.3 | 1,057 | 28.3 | 68 | 989 | 39 | 3.5 | 2,638 |
| 70 to 74 years | 3,402 | 612 | 18.0 | 598 | 17.6 | 56 | 542 | 15 | 2.4 | 2,789 |
| 75 years and over | 5,162 | 442 | 8.6 | 421 | 8.2 | 74 | 347 | 21 | 4.8 | 4,720 |
| Women | | | | l | | | | | | |
| 6 years and over | | 53,044 | 59.4 | 50,945 | 57.1 | 875 | 50,071 | 2,099 | 4.0 | 36,204 |
| 16 to 19 years | | 3,634 | 58.4 | 3,293 | 53.0 | 66 | 3,227 | 342 | 9.4 | 2,584 |
| 16 to 17 years | | 1,523 2,112 | 49.3 67.4 | 1,348 1,945 | 43.7 62.1 | 31 34 | 1,316 1,911 | 175 167 | 11.5 7.9 | 1,563 1,021 |
| 20 to 24 years | | 5,352 | 74.6 | 5,012 | 69.9 | 73 | 4,939 | 340 | 6.4 | 1,818 |
| 25 to 54 years | 49,019 | 37,222 | 75.9 | 35,984 | 73.4 | 555 | 35,429 | 1,238 | 3.3 | 11,797 |
| 25 to 34 years | | 11,515 | 75.1 | 11,103 | 72.5 | 187 | 10,916 | 412 | 3.6 | 3,808 |
| 25 to 29 years | | 5,602 5,913 | 76.1 74.3 | 5,373 5,730 | 72.9 72.0 | 89 97 | 5,283 5,633 | 229 183 | 4.1 3.1 | 1,763 2,045 |
| 35 to 44 years | | 14,046 | 76.2 | 13,533 | 73.4 | 202 | 13,331 | 513 | 3.7 | 4,380 |
| 35 to 39 years | 9,208 | 6,867 | 74.6 | 6,590 | 71.6 | 92 | 6,498 | 277 | 4.0 | 2,341 |
| 40 to 44 years | 9,218 | 7,179 | 77.9 | 6,943 | 75.3 | 110 | 6,833 | 236 | 3.3 | 2,039 |
| 45 to 54 years | | 11,661 | 76.4 | 11,348 | 74.3 | 166 | 11,182 | 313 | 2.7 | 3,608 |
| 45 to 49 years 50 to 54 years | | 6,416 5,244 | 78.5 74.0 | 6,233 5,116 | 76.2 72.1 | 82 84 | 6,151 5,031 | 184 129 | 2.9 2.5 | 1,761 1,847 |
| 55 to 64 years55 | | 5,384 | 52.4 | 5,235 | 50.9 | 115 | 5,120 | 150 | 2.8 | 4,900 |
| 55 to 59 years | 1 | 3,528 | 62.4 | 3,434 | 60.7 | 63 | 3,371 | 94 | 2.7 | 2,125 |
| 60 to 64 years | 4,632 | 1,856 | 40.1 | 1,801 | 38.9 | 52 | 1,749 | 56 | 3.0 | 2,775 |
| 65 years and over | | 1,451 | 8.8 | 1,422 | 8.6 | 67 | 1,355 | 29 | 2.0 | 15,105 |
| 65 to 69 years 70 to 74 years | | 768 400 | 17.8 9.5 | 756 386 | 17.5 9.2 | 21 23 | 735 363 | 12 14 | 1.5 3.6 | 3,544 3,793 |
| | | | | | | | | | | |

See footnotes at end of table.

A-14. Employment status of the civilian noninstitutional population by age, sex, and race — Continued

(Numbers in thousands)

| | | | | | August 1 | 999 | | | | |
|----------------------------------|-------------------------------------|----------------|-----------------------------|----------------|-----------------------------|------------------|------------------------------------|------------|---------------------------------|-----------------------------|
| | | | | | Civil | ian labor for | - | | | |
| Age, sex, and race | Civilian | | | | Emp | loyed | | Unem | ployed | |
| , go, so, and so | noninsti- tutional population | Total | Percent of population | Total | Percent of population | Agri- culture | Nonagri- cultural industries | Number | Percent of labor force | Not in labor force |
| BLACK | , | | | | | | | | | |
| 16 years and over | 24,904 | 16,474 | 66.2 | 15,156 | 60.9 | 118 | 15,039 | 1,318 | 8.0 | 8,430 |
| 16 to 19 years | 2,484 | 1,052 | 42.3 | 770 | 31.0 | 3 | 767 | 282 | 26.8 | 1,432 |
| 16 to 17 years | 1,256 | 399 | 31.8 | 301 | 24.0 | - , | 301 | 98 | 24.5 | 856 |
| 18 to 19 years | 1,229 2,623 | 653 1,973 | 53.1 75.2 | 469 1,695 | 38.2 64.6 | 3 18 | 466 1,676 | 184 278 | 28.2 14.1 | 576 651 |
| 25 to 54 years | 14,746 | 12,003 | 81.4 | 11,303 | 76.6 | 73 | 11,230 | 700 | 5.8 | 2,743 |
| 25 to 34 years | 5,189 | 4,400 | 84.8 | 4,050 | 78.0 | 16 | 4,034 | 350 | 8.0 | 789 |
| 25 to 29 years | 2,554 | 2,161 | 84.6 | 1,964 | 76.9 | 6 | 1,959 | 197 | 9.1 | 393 |
| 30 to 34 years | 2,635 | 2,239 | 85.0 | 2,086 | 79.1 | 11 | 2,075 | 153 | 6.8 | 396 |
| 35 to 44 years | 5,620 2,867 | 4,625 2,363 | 82.3 82.4 | 4,390 2,241 | 78.1 78.2 | 35 | 4,354 | 236 | 5.1 | 995 |
| 35 to 39 years 40 to 44 years | 2,753 | 2,363 | 82.2 | 2,241 | 78.1 | 15 21 | 2,226 2,128 | 122 113 | 5.2 5.0 | 504 491 |
| 45 to 54 years | 3,937 | 2,978 | 75.6 | 2,863 | 72.7 | 21 | 2,842 | 115 | 3.9 | 959 |
| 45 to 49 years | 2,260 | 1,792 | 79.3 | 1,709 | 75.7 | 15 | 1,695 | 82 | 4.6 | 468 |
| 50 to 54 years | 1,677 | 1,186 | 70.7 | 1,154 | 68.8 | 6 | 1,148 | 33 | 2.8 | 491 |
| 55 to 64 years | 2,298 | 1,189 | 51.7 | 1,144 | 49.8 | 13 | 1,132 | 45 | 3.7 | 1,110 |
| 55 to 59 years | 1,253 1,045 | 771 418 | 61.5 40.0 | 740 404 | 59.0 | 10 | 730 | 31 | 4.0 | 482 |
| 65 years and over | 2,752 | 258 | 9.4 | 245 | 38.7 8.9 | 3 11 | 401 233 | 14 | 3.2 5.2 | 627 2,494 |
| 65 to 69 years | 927 | 145 | 15.7 | 137 | 14.7 | 6 | 131 |] '9 | 6.0 | 781 |
| 70 to 74 years | 758 | 64 | 8.4 | 61 | 8.1 | _ | 61 | 2 | (1) | 694 |
| 75 years and over | 1,068 | 49 | 4.6 | 47 | 4.4 | 5 | 42 | 2 | (1) | 1,018 |
| Men | | | | | | | | | | |
| 6 years and over | 11,167 | 7,688 | 68.8 | 7,124 | 63.8 | 106 | 7,018 | 564 | 7.3 | 3,479 |
| 16 to 19 years | 1,221 | 505 | 41.3 | 364 | 29.8 | - | 364 | 140 | 27.8 | 716 |
| 16 to 17 years | 630 | 218 | 34.6 | 168 | 26.7 | - | 168 | 50 | 22.9 | 413 |
| 18 to 19 years | 591 | 287 899 | 48.6 | 196 | 33.2 | | 196 | 91 | 31.6 | 304 |
| 20 to 24 years | 1,201 6,661 | 5,596 | 74.9 84.0 | 787 5,305 | 65.6 79.6 | 18 66 | 769 5,240 | 112 290 | 12.4 5.2 | 302 1,065 |
| 25 to 34 years | 2,317 | 2,058 | 88.8 | 1,911 | 82.5 | 16 | 1,895 | 147 | 7.1 | 259 |
| 25 to 29 years | 1,126 | 993 | 88.2 | 911 | 80.8 | 6 | 905 | 83 | 8.3 | 133 |
| 30 to 34 years | 1,191 | 1,064 | 89.4 | 1,000 | 84.0 | 11 | 990 | 64 | 6.1 | 126 |
| 35 to 44 years | 2,571 | 2,171 | 84.5 | 2,093 | 81.4 | 33 | 2,060 | 78 | 3.6 | 400 |
| 35 to 39 years | 1,305 | 1,104 | 84.6 | 1,070 | 82.0 | 15 | 1,055 | 35 | 3.1 | 201 |
| 40 to 44 years45 to 54 years | 1,266 1,773 | 1,067 1,367 | 84.3 77.1 | 1,023 1,302 | 80.8 73.4 | 18 17 | 1,005 1,285 | 44 65 | 4.1 4.8 | 199 406 |
| 45 to 49 years | 1,027 | 825 | 80.4 | 778 | 75.8 | 11 | 768 | 47 | 5.7 | 202 |
| 50 to 54 years | 746 | 542 | 72.6 | 524 | 70.2 | 33 | 518 | 18 | 3.3 | 205 |
| 55 to 64 years | 975 | 566 | 58.0 | 549 | 56.3 | 10 | 539 | 17 | 2.9 | 409 |
| 55 to 59 years | 540 | 359 | 66.5 | 349 | 64.6 | 7 | 342 | 10 | 2.9 | 181 |
| 65 years and over | 435 1,109 | 207 123 | 47.5 11.0 | 201 118 | 46.1 10.6 | 3 11 | 198 106 | 6 5 | 3.0 | 228 |
| 65 to 69 years | 395 | 64 | 16.3 | 64 | 16.3 | 6 | 58 |] _ " | 3.9 (1) | 987 331 |
| 70 to 74 years | 330 | 30 | 9.1 | 28 | 8.4 | | 28 | 2 | \1\f | 300 |
| 75 years and over | 384 | 28 | 7.3 | 26 | 6.7 | 5 | 20 | 2 | (1) | 356 |
| Women | | | | | | | | | | |
| 6 years and over | 13,738 | 8,787 | 64.0 | 8,033 | 58.5 | 12 | 8,020 | 754 | 8.6 | 4,951 |
| 16 to 19 years | 1,263 | 547 | 43.3 | 406 | 32.1 | 3 | 403 | 142 | 25.9 | 716 |
| 16 to 17 years | 625 | 181 | 29.0 | 133 | 21.3 | - | 133 | 48 | 26.6 | 444 |
| 18 to 19 years | 638 | 366 | 57.4 | 272 | 42.7 | 3 | 270 | 94 | 25.6 | 272 |
| 20 to 24 years | 1,422 8,085 | 1,074 6,407 | 75.5 79.2 | 908 5,997 | 63.8 74.2 | 7 | 908 | 166 | 15.5 | 349 |
| 25 to 34 years | 2,872 | 2,342 | 81.5 | 2,139 | 74.2 | _ ′ | 5,990 2,139 | 410 203 | 6.4 8.7 | 1,678 530 |
| 25 to 29 years | 1,428 | 1,168 | 81.8 | 1,054 | 73.8 | _ | 1,054 | 114 | 9.8 | 260 |
| 30 to 34 years | 1,444 | 1,174 | 81.3 | 1,086 | 75.2 | - 1 | 1,086 | 89 | 7.6 | 270 |
| 35 to 44 years | 3,050 | 2,454 | 80.5 | 2,297 | 75.3 | 3 | 2,294 | 157 | 6.4 | 595 |
| 35 to 39 years | 1,562 | 1,259 | 80.6 | 1,171 | 75.0 | | 1,171 | 88 | 7.0 | 303 |
| 40 to 44 years | 1,487 2,164 | 1,195 1,611 | 80.4 74.4 | 1,126 1,561 | 75.7 72.1 | 3 | 1,123 | 70 | 5.8 | 292 |
| 45 to 54 years | 1,233 | 966 | 74.4 78.4 | 931 | 72.1 75.6 | 4 | 1,557 927 | 50 35 | 3.1 3.6 | 553 266 |
| 50 to 54 years | 931 | 645 | 69.2 | 630 | 67.6 | 1 | 630 | 15 | 2.3 | 287 |
| 55 to 64 years | 1,324 | 623 | 47.1 | 595 | 45.0 | 3 | 592 | 28 | 4.5 | 701 |
| 55 to 59 years | 713 | 412 | 57.7 | 391 | 54.8 | 3 | 389 | 21 | 5.0 | 301 |
| 60 to 64 years | 610 | 211 | 34.6 | 204 | 33.4 | - | 204 | 7 | 3.4 | 399 |
| 65 years and over | 1,643 531 | 136 81 | 8.3 15.2 | 127 72 | 7.7 13.6 | _ | 127 72 | 9 | 6.4 10.7 | 1,507 |
| | | | | | | | | | | 450 |
| 65 to 69 years 70 to 74 years | 428 | 33 | 7.8 | 33 | 7.8 | | 33 | | (1) | 394 |

the household survey.

Data not shown where base is less than 75,000.
NOTE: Beginning in January 1999, data reflect revised population controls used in

A-15. Employment status of the civilian noninstitutional population by race, sex, and age

(Numbers in thousands)

| Employment status and | Тс | otal | | years and ver | | O years and /er | | s, 16 to 19 ars |
|---|---|---|---|---|---|--|--|--|
| race | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| TOTAL | | | | | | | | |
| Civilian noninstitutional population Civilian labor force Percent of population Employed Agriculture Nonagricultural industries Unemployed Unemployment rate Not in labor force | 205,479 138,379 67.3 132,206 3,818 128,388 6,173 4.5 67,100 | 208,038 140,090 67.3 134,264 3,525 130,739 5,826 4.2 67,948 | 90,889 69,823 76.8 67,464 2,556 64,908 2,359 3.4 21,066 | 91,692 70,509 76.9 68,210 2,377 65,833 2,299 3.3 21,183 | 98,901 59,426 60.1 56,786 883 55,903 2,639 4.4 39,476 | 100,285 60,568 60,4 58,093 840 57,253 2,475 4.1 39,717 | 15,689 9,130 58.2 7,955 379 7,577 1,175 12.9 6,559 | 16,061 9,014 56.1 7,962 309 7,653 1,051 11.7 7,048 |
| White | | | | | | | | |
| Civilian noninstitutional population Civilian labor force Percent of population Employed Agriculture Nonagricultural industries Unemployed Unemployment rate Not in labor force | 171,655 115,959 67.6 111,511 3,529 107,982 4,448 3.8 55,696 | 173,275 117,093 67.6 112,846 3,340 109,507 4,246 3.6 56,182 | 77,030 59,515 77.3 57,787 2,349 55,438 1,728 2.9 17,516 | 77,510 60,063 77.5 58,303 2,225 56,078 1,760 2.9 17,447 | 82,127 48,763 59.4 46,861 835 46,026 1,902 3.9 33,364 | 83,030 49,410 59.5 47,653 809 46,843 1,757 3.6 33,620 | 12,497 7,681 61.5 6,863 345 6,518 818 10.7 4,816 | 12,736 7,620 59.8 6,890 306 6,585 730 9.6 5,116 |
| Black | | | | | | | | |
| Civilian noninstitutional population Civilian labor force Percent of population Employed Agriculture Nonagricultural industries Unemployed Unemployment rate Not in labor force | 24,418 16,129 66.1 14,663 175 14,488 1,466 9.1 8,289 | 24,904 16,474 66.2 15,156 118 15,039 1,318 8.0 8,430 | 9,743 7,055 72.4 6,548 139 6,409 507 7.2 2,687 | 9,946 7,183 72.2 6,760 106 6,654 424 5.9 2,763 | 12,222 7,912 64.7 7,267 20 7,247 645 8.2 4,310 | 12,475 8,239 66.1 7,627 9 7,618 613 7.4 4,235 | 2,453 1,161 47.3 848 16 832 313 27.0 | 2,484 1,052 42.3 770 3 767 282 26.8 1,432 |

NOTE: Beginning in January 1999, data reflect revised population controls used

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

| | | | _ | | August | 1999 | | | | |
|---------------------------------------|-------------------------------------|----------------|-----------------------|----------------|--------------|----------------|------------|-------------------------------------|-------------------------------------|--------------------------------|
| | } | | | | Civi | ilian labor fo | огсе | | | |
| Enrollment status, educational | Civilian | | | | Employed | | | Unem | oloyed | |
| attainment, race, and Hispanic origin | noninsti- tutional population | Total | Percent of population | Total | Full time | Part time | Total | Looking for full-time work | Looking for part-time work | Percen of labor force |
| TOTAL ENROLLED | | | | | | | | | | |
| Total, 16 to 24 years | | 4,744 | 48.6 | 4,363 | 1,711 | 2,652 | 381 | 147 | 234 | 8.0 |
| 16 to 19 years | | 2,710 2,034 | 42.1 61.1 | 2,442 1,920 | 695 1,015 | 1,747 905 | 268 113 | 87 60 | 181 53 | 9.9 5.6 |
| High school | | 1,576 | 35.9 | 1,379 | 274 | 1,105 | 197 | 59 | 138 | 12.5 |
| College Full-time students | | 3,168 2,361 | 58.9 53.2 | 2,984 2,211 | 1,437 963 | 1,547 1,249 | 184 149 | 88 58 | 96 92 | 5.8 6.3 |
| Part-time students | 936 | 807 | 86.2 | 773 | 474 | 298 | 34 | 31 | 4 | 4.3 |
| Men, 16 to 24 years | | 2,274 | 47.6 | 2,067 | 854 | 1,213 | 207 | 90 | 117 | 9.1 |
| 16 to 19 years | | 1,371 903 | 42.1 59.1 | 1,217 849 | 390 463 | 827 386 | 154 53 | 58 32 | 95 22 | 11.2 5.9 |
| | 1 | | 1 | | 1 | | | } | ì | i |
| High school | | 890 1,384 | 37.9 56.9 | 767 1,300 | 171 682 | 596 617 | 123 84 | 47 43 | 76 41 | 13.8 |
| Full-time students Part-time students | | 1,048 336 | 51.2 86.7 | 976 324 | 477 206 | 499 118 | 72 12 | 33 10 | 38 3 | 6.8 3.7 |
| Women, 16 to 24 years | | 2,470 | 49.5 | 2,296 | 857 | 1,439 | 174 | 57 | 117 | 7.0 |
| 16 to 19 years | | 1,339 1,131 | 42.1 62.7 | 1,225 1,071 | 305 552 | 920 519 | 114 60 | 29 28 | 85 31 | 8.5 5.3 |
| High school | | 686 | 33.6 | 612 | 103 | 509 | 74 | 12 | 62 | 10.8 |
| College Full-time students | | 1,784 1,313 | 60.6 54.8 | 1,684 1,235 | 754 486 | 930 749 | 100 78 | 45 24 | 55 53 | 5.6 |
| Part-time students | | 471 | 85.9 | 449 | 268 | 181 | 22 | 21 | 1 | 4.7 |
| White | | | | | | | | | | |
| Total, 16 to 24 years | | 3,924 2,282 | 52.1 46.0 | 3,667 2,099 | 1,428 590 | 2,239 1,510 | 258 182 | 74 47 | 184 135 | 6.6 8.0 |
| 20 to 24 years | 2,568 | 1,642 | 64.0 | 1,567 | 838 | 729 | 75 | 27 | 48 | 4.6 |
| Men | | 1,876 2,048 | 50.4 53.8 | 1,743 1,923 | 715 713 | 1,029 1,210 | 133 124 | 47 27 | 86 98 | 7.1 6.1 |
| High school | | 1,322 | 39.5 | 1,186 | 239 | 946 | 137 | 25 | 111 | 10.3 |
| College | | 2,602 1,948 | 62.2 56.6 | 2,481 1,847 | 1,188 786 | 1,293 1,062 | 121 101 | 48 32 | 73 | 4.6 |
| Part-time students | | 654 | 87.9 | 634 | 403 | 231 | 20 | 17 | 70 3 | 3.0 |
| Black | | | | | | | | | | |
| Fotal, 16 to 24 years | 1,096 | 583 313 | 37.5 28.6 | 478 240 | 203 66 | 275 174 | 106 73 | 68 38 | 38 35 | 18.1 23.2 |
| 20 to 24 years | 462 | 270 | 58.6 | 237 | 137 | 101 | 33 | 30 | 3 | 12.2 |
| Men | | 281 302 | 38.5 36.5 | 210 267 | 102 101 | 109 166 | 71 35 | 40 28 | 31 7 | 25.1 11.7 |
| High school | 794 | 183 | 23.0 | 127 | 21 | 107 | 55 | 31 | 24 | 30.2 |
| College | | 401 294 | 52.5 46.1 | 350 257 | 182 130 | 168 127 | 51 37 | 36 23 | 14 14 | 12.6 |
| Part-time students | | 106 | 84.9 | 93 | 52 | 41 | 14 | 14 | - | 12.8 |
| Hispanic origin | | | | | | | | | | |
| Fotal, 16 to 24 years | | 484 278 | 38.7 30.1 | 433 236 | 143 48 | 291 188 | 51 42 | 13 13 | 38 30 | 10.5 |
| 20 to 24 years | | 206 | 63.5 | 198 | 95 | 103 | 8 | | 8 | 4.0 |
| Men | | 223 | 35.8 | 198 | 73 | 126 | 25 | 6 | 18 | 11.0 |
| Women | 1 1 | 261 | 41.6 | 235 | 70 | 165 | 26 | 7 | 19 | 10.0 |
| High school | | 179 304 | 24.0 60.7 | 150 283 | 24 119 | 126 164 | 29 21 | 5 8 | 25 13 | 16.4 7.0 |
| Full-time students | 391 | 224 | 57.2 | 206 | 78 | 128 | 18 | 7 | 11 | 8.0 |
| Part-time students | 110 | 81 | 73.1 | 77 | 41 | 36 | 3 | 2 | 1 | 4.0 |

See footnotes at end of table.

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)

| | | | | | August | 1999 | | | | |
|--|-------------------------------------|----------------------------------|------------------------------|----------------------------------|----------------------------------|--------------------------------|-------------------------|-------------------------------------|-------------------------------------|---|
| | | | | | Civi | lian labor fo | rce | | | |
| Enrollment status, educational | Civilian | | | | Employed | | | Unemp | oloyed | |
| attainment, race, and Hispanic origin | noninsti- tutional population | Total | Percent of population | Total | Full time | Part time | Total | Looking for full-time work | Looking for part-time work | Percent of labor force |
| TOTAL NOT ENROLLED | | | | | | | ı | | | |
| Total, 16 to 24 years 16 to 19 years 20 to 24 years | 9,624 | 18,585 6,304 12,281 | 76.5 65.5 83.7 | 16,857 5,520 11,338 | 12,348 2,868 9,481 | 4,509 2,652 1,857 | 1,727 784 943 | 1,394 518 876 | 334 266 68 | 9.3 12.4 7.7 |
| Less than a high school diploma High school graduates, no college Less than a bachelor's degree College graduates | 8,391 6,134 | 4,864 6,834 5,283 1,604 | 60.9 81.4 86.1 90.3 | 4,127 6,187 5,035 1,508 | 2,312 4,840 3,843 1,354 | 1,815 1,347 1,192 154 | 737 647 247 96 | 544 553 205 91 | 192 94 43 5 | 15.1 9.5 4.7 6.0 |
| Men, 16 to 24 years 16 to 19 years 20 to 24 years | 4,918 | 9,979 3,310 6,669 | 81.1 67.3 90.2 | 9,106 2,921 6,186 | 7,149 1,695 5,454 | 1,957 1,225 732 | 873 389 483 | 750 280 470 | 123 109 14 | 8.7 11.8 7.2 |
| Less than a high school diploma High school graduates, no college Less than a bachelor's degree College graduates | 4,356 3,002 | 2,935 3,751 2,644 649 | 69.0 86.1 88.1 93.0 | 2,536 3,424 2,530 616 | 1,594 2,909 2,064 582 | 942 515 466 34 | 399 327 114 33 | 320 289 109 33 | 79 39 5 – | 13.6 8.7 4.3 5.1 |
| Women, 16 to 24 years | 4,707 | 8,606 2,994 5,612 | 71.8 63.6 77.1 | 7,751 2,599 5,152 | 5,200 1,172 4,027 | 2,552 1,427 1,125 | 854 394 460 | 643 237 406 | 211 157 54 | 9.9 13.2 8.2 |
| Less than a high school diploma High school graduates, no college Less than a bachelor's degree College graduates | 4,035 3,132 | 1,929 3,083 2,638 955 | 51.6 76.4 84.2 88.6 | 1,591 2,763 2,505 892 | 718 1,931 1,779 772 | 873 832 726 121 | 338 320 134 63 | 224 265 96 59 | 113 55 38 5 | 17.5 10.4 5.1 6.6 |
| White | 19,639 | 15,416 | 78.5 | 14,202 | 10,375 | 3,827 | 1,214 | 958 | 256 | 7.9 |
| Total, 16 to 24 years | 7,776 | 5,338 10,078 | 68.6 85.0 | 4,791 9,411 | 2,493 7,883 | 2,298 1,529 | 547 667 | 354 604 | 193 62 | 10.3 |
| Men Women | | 8,477 6,939 | 84.3 72.4 | 7,821 6,381 | 6,194 4,181 | 1,627 2,201 | 656 557 | 555 403 | 101 154 | 7.7 8.0 |
| Less than a high school diploma | 6,674 5,028 | 4,107 5,540 4,382 1,387 | 64.0 83.0 87.2 91.1 | 3,571 5,108 4,215 1,309 | 2,012 3,966 3,229 1,169 | 1,558 1,142 986 140 | 536 432 167 79 | 392 364 127 74 | 144 68 40 5 | 13.1 7.8 3.8 5.7 |
| Black | | | | | | | | | | |
| Total, 16 to 24 years | 1,388 | 2,441 739 1,702 | 68.8 53.2 78.7 | 1,987 530 1,457 | 1,503 278 1,225 | 484 251 233 | 454 209 245 | 391 151 240 | 63 58 4 | 18.6 28.3 14.4 |
| Men Women | | 1,123 1,318 | 66.3 71.0 | 941 1,046 | 723 780 | 218 266 | 182 272 | 165 226 | 17 46 | 16.2 20.7 |
| Less than a high school diploma High school graduates, no college Less than a bachelor's degree College graduates | 1,406 811 | 579 1,079 675 108 | 47.8 76.7 83.2 89.9 | 403 880 604 100 | 215 727 465 97 | 188 153 140 3 | 176 198 71 8 | 138 175 70 8 | 39 24 - - | 30.5 18.4 10.5 7.8 |
| Hispanic origin | | | | | | | | | | |
| Total, 16 to 24 years | 1,394 | 2,707 851 1,857 | 71.3 61.1 77.3 | 2,404 726 1,677 | 1,873 441 1,432 | 531 286 245 | 304 125 179 | 263 92 171 | 41 32 8 | 11.2 14.7 9.6 |
| Men Women | | 1,686 1,021 | 85.5 56.0 | 1,511 893 | 1,234 639 | 277 254 | 176 128 | 154 109 | 22 19 | 10.4 12.6 |
| Less than a high school diploma High school graduates, no college Less than a bachelor's degree College graduates | 1,211 557 | 1,250 937 453 67 | 63.9 77.4 81.4 (1) | 1,090 831 424 58 | 868 629 326 50 | 223 202 98 8 | 160 106 29 9 | 143 82 29 9 | 17 24 - - | 12.8 11.3 6.4 (¹) |

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 1999, data reflect 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)

| | To | otal | М | en | Wor | men | W | nite | Bla | ack | Hispan | ic origin |
|--|--|---|--|--|--|--|---|---|--|--|--|--|
| Educational attainment | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug 1999 |
| TOTAL | | | | | | | | | | | | |
| Civilian noninstitutional population Civilian labor force | 115,317 67.0 111,484 | 173,978 116,762 67.1 113,044 65.0 3,718 3.2 | 82,072 62,383 76.0 60,611 73.9 1,771 2.8 | 82,773 62,937 76.0 61,175 73.9 1,762 2.8 | 90,133 52,934 58.7 50,873 56.4 2,061 3.9 | 91,205 53,825 59.0 51,870 56.9 1,955 3.6 | 145,006 96,766 66.7 93,926 64.8 2,841 2.9 | 146,108 97,752 66.9 94,977 65.0 2,775 2.8 | 19,417 13,129 67.6 12,307 63.4 822 6.3 | 19,797 13,450 67.9 12,692 64.1 758 5.6 | 16,153 11,219 69.5 10,579 65.5 640 5.7 | 16,708 11,652 69.7 11,035 66.0 617 5.3 |
| Less than a high school diploma | | | | | | l | | | | | | |
| Civilian noninstitutional population Civilian labor force | 11,602 39.7 800 | 28,568 12,299 43.1 11,507 40.3 793 6.4 | 13,914 7,697 55.3 7,282 52.3 414 5.4 | 13,622 7,557 55.5 7,157 52.5 400 5.3 | 15,291 4,705 30.8 4,320 28.2 386 8.2 | 14,946 4,742 31.7 4,350 29.1 392 8.3 | 23,382 10,084 43.1 9,486 40.6 598 5.9 | 23,094 10,119 43.8 9,549 41.3 570 5.6 | 4,333 1,661 38.3 1,500 34.6 161 9.7 | 4,109 1,603 39.0 1,416 34.5 187 11.6 | 7,259 4,331 59.7 4,023 55.4 308 7.1 | 7,362 4,436 60.3 4,099 55.7 337 7.6 |
| High school graduates, no college | | | | | | | | | | | | |
| Civilian noninstitutional population Civilian labor force | 37,305 64.6 | 57,195 36,797 64.3 35,550 62.2 1,247 3.4 | 26,490 20,046 75.7 19,373 73.1 673 3.4 | 25,927 19,588 75.6 19,007 73.3 581 3.0 | 31,239 17,259 55.3 16,525 52.9 734 4.3 | 31,268 17,209 55.0 16,543 52.9 666 3.9 | 48,825 31,072 63.6 30,096 61.6 976 3.1 | 48,155 30,569 63.5 29,667 61.6 902 2.9 | 7,029 4,984 70.9 4,600 65.4 384 7.7 | 7,106 4,968 69.9 4,682 65.9 285 5.7 | 4,151 3,049 73.5 2,892 69.7 158 5.2 | 4,369 3,211 73.5 3,066 70.2 145 4.5 |
| Less than a bachelor's degree ¹ | | | | i | | | | | | | | |
| Civilian noninstitutional population Civilian labor force | 41,842 31,106 74.3 30,227 72.2 879 2.8 | 43,130 31,751 73.6 30,765 71.3 986 3.1 | 19,024 15,585 81.9 15,211 80.0 374 2.4 | 19,956 16,192 81.1 15,751 78.9 441 2.7 | 22,817 15,521 68.0 15,016 65.8 505 3.3 | 23,174 15,559 67.1 15,014 64.8 546 3.5 | 35,269 26,017 73.8 25,366 71.9 651 2.5 | 36,090 26,298 72.9 25,576 70.9 722 2.7 | 5,014 3,875 77.3 3,695 73.7 180 4.7 | 5,377 4,192 78.0 3,969 73.8 223 5.3 | 3,051 2,438 79.9 2,344 76.8 94 3.9 | 3,089 2,446 79.2 2,351 76.1 95 3.9 |
| Some college, no degree | | | | | | | | | | | | |
| Civilian noninstitutional population Civilian labor force | 72.6 20,510 70.4 | 29,736 21,305 71.6 20,658 69.5 648 3.0 | 13,433 10,768 80.2 10,472 78.0 297 2.8 | 14,068 11,110 79.0 10,817 76.9 293 2.6 | 15,719 10,401 66.2 10,038 63.9 363 3.5 | 15,668 10,195 65.1 9,840 62.8 355 3.5 | 24,387 17,532 71.9 17,046 69.9 486 2.8 | 24,782 17,503 70.6 17,045 68.8 458 2.6 | 3,758 2,876 76.5 2,724 72.5 151 5.3 | 3,864 2,987 77.3 2,831 73.3 156 5.2 | 2,168 1,716 79.1 1,641 75.7 75 4.4 | 2,133 1,684 79.0 1,622 76.0 63 3.7 |
| Associate degree | | | | : | | | | | | ; | | |
| Civilian noninstitutional population Civilian labor force Percent of population Employed Employment-population ratio Unemployed Unemployed | 12,689 9,936 78.3 9,717 76.6 219 2.2 | 13,394 10,446 78.0 10,107 75.5 339 3.2 | 5,591 4,816 86.1 4,739 84.8 77 1.6 | 5,889 5,082 86.3 4,933 83.8 148 2.9 | 7,098 5,120 72.1 4,978 70.1 142 2.8 | 7,505 5,364 71.5 5,174 68.9 190 3.5 | 10,882 8,485 78.0 8,320 76.5 166 2.0 | 11,308 8,795 77.8 8,531 75.4 264 3.0 | 1,255 1,000 79.6 971 77.3 29 2.9 | 1,513 1,205 79.7 1,138 75.2 67 5.6 | 883 723 81.9 703 79.7 20 2.7 | 956 761 79.6 729 76.2 32 4.3 |
| College graduates | | | | | | | | | | | | |
| Civilian noninstitutional population Civilian labor force | 33,757 77.7 | 45,086 35,915 79.7 35,223 78.1 692 1.9 | 22,644 19,056 84.2 18,745 82.8 310 1.6 | 23,268 19,600 84.2 19,260 82.8 340 1.7 | 20,787 15,448 74.3 15,012 72.2 437 2.8 | 21,818 16,315 74.8 15,963 73.2 352 2.2 | 37,531 29,593 78.9 28,978 77.2 615 2.1 | 38,770 30,766 79.4 30,185 77.9 581 1.9 | 3,041 2,609 85.8 2,512 82.6 96 3.7 | 3,205 2,687 83.8 2,624 81.9 63 2.3 | 1,692 1,401 82.8 1,321 78.1 80 5.7 | 1,888 1,559 82.6 1,520 80.5 40 2.5 |

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 1999, data reflect 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)

| | | | Em | ployed ¹ | | | | l llnom | |
|------------|---|---|--|--|--|--|-------------------|---|--------------------------|
| | | | | | | | | Onem | ployed |
| ——— | Full-tir | ne workers | | | Part-time | workers | | | |
| | A | t work | | | At w | /ork ² | | Looking | Looking |
| Total | 35 hours or more | 1 to 34 hours for economic or noneconomic reasons | Not at work | Total | Part time for economic reasons | Part time for noneconomic reasons | Not at work | for full-time work | for part-time work |
| | | | | | | | | | |
| 112.552 | 95.449 | 9.483 | 7,620 | 21,712 | 2.057 | 17.249 | 2,407 | 4.768 | 1,057 |
| 3,563 | 2,994 | 439 | 130 | 4,399 | 312 | 3,822 | 266 | 604 | 447 |
| | | | 39 | | | | 152 | 178 | 301 |
| | | | | | | | | | 146 |
| | | | | | | | | | 610 121 |
| | | | | | | | | | 490 |
| 85,683 | 72,765 | 6,873 | 6,045 | 10,172 | 1,125 | 7,609 | 1,437 | 2,878 | 349 |
| 12,810 | 10,513 | 1,249 | 1,048 | 4,379 | 169 | 3,679 | 531 | 350 | 141 |
| | 57,220 | 4,635 | 3,465 | 7,028 | 909 | 5,596 | 523 | 2,474 | 368 |
| | 1,774 | 238 | 74 | 2,052 | 152 | 1,781 | 119 | 338 | 20 5 |
| | 55,446 | 4,397 | | | | 3,815 | 404 | | 164 |
| | | | | | | | | | 35 100 |
| 1 | | | | | | | | | 128 64 |
| | 6,496 | 676 | 535 | 1,846 | 94 | 1,565 | 187 | 201 | 65 |
| 47,233 | 38,229 | 4,848 | 4,155 | 14,684 | 1,148 | 11,653 | 1,883 | 2,294 | 689 |
| 1,477 | 1,220 | 201 | 56 | 2,347 | 159 | 2,041 | 146 | 266 | 242 |
| | | | | | | | | | 447 |
| | | | | | | | | | 85 |
| | | | | | | | | | 361 285 |
| 5,103 | 4,017 | 573 | 513 | 2,533 | 75 | 2,114 | 344 | 1,443 | 76 |
| | | ļ | | | [| | | | |
| 55,970 | 48,942 | 3,973 | 3,055 | 5,931 | 717 | 4,754 | 460 | 1,842 | 306 |
| | 1,586 | 189 | 64 | 1,759 | 125 | 1,520 | 114 | 236 | 152 |
| | | | | | | | | | 153 |
| | | | | | | | | | 35 |
| | | | | | | | | | 118 54 |
| | 5,825 | 593 | 484 | 1,660 | 78 | 1,418 | 164 | 170 | 65 |
| | | | | | | (| | ļ | |
| | | | | | | | | | 553 177 |
| | 29,388 | 3,887 | 3,465 | 10,913 | 752 | 8,573 | 1,589 | 1,381 | 376 |
| | 3,092 | 407 | | | | 1,099 | 91 | 265 | 75 |
| | | | | | | | | | 301 |
| 4,377 | 3,409 | 2,978 502 | 2,846 466 | 2,279 | 525 | 1,899 | 325 | 1,003 | 235 66 |
| | |] | | | | | | | |
| | 5,626 | 496 | 295 | 707 | 143 | 529 | 36 | 511 | 53 |
| | | | 5 | | | | 4 | 93 | 48 |
| | | | | | | | | | 5 |
| | | | | | | | | | 5 |
| 1 | | | | | | | | | 5 |
| | 441 | 65 | 37 | 124 | 12 | 98 | 14 | 21 | - |
| | 5,757 | 558 | 487 | 1,231 | 231 | 866 | 134 | 659 | 95 |
| I | | | | | | | | | 46 |
| | | | | | | | | | 49 |
| | | | | | | | | | 7 |
| | | | | | | | | | 42 39 |
| | | | | | | | | | 2 |
| | 112,552 3,563 759 2,805 108,989 10,496 98,493 85,683 12,810 65,320 2,086 63,234 5,917 57,317 49,610 7,707 47,233 1,477 45,755 4,579 41,176 36,073 5,103 55,970 1,839 54,131 5,070 49,061 42,159 6,902 37,983 1,243 36,740 3,651 33,089 28,712 4,377 | 112,552 95,449 3,563 2,994 759 2,805 2,399 108,989 92,455 10,496 9,177 98,493 85,683 72,765 12,810 10,513 65,320 57,220 2,086 1,774 63,234 55,446 5,917 5,307 57,317 50,140 49,610 43,644 7,707 6,496 47,233 38,229 1,477 1,220 45,755 37,009 41,176 33,138 36,073 29,121 5,103 4,017 55,970 4,579 3,870 41,176 33,138 36,073 29,121 5,103 4,017 55,970 4,536 49,061 42,820 42,159 36,995 5,902 5,825 37,983 30,418 1,243 1,030 42,159 36,995 6,902 5,825 37,983 30,418 1,243 1,030 36,740 29,388 3,651 3,092 33,089 26,296 42,159 36,995 6,902 5,825 37,983 30,418 1,243 1,030 36,740 29,388 3,651 3,092 33,089 26,296 42,159 36,995 5,902 5,825 37,983 30,418 1,243 1,030 36,740 29,388 3,651 3,092 33,089 26,296 42,159 36,995 5,902 5,905 5,592 4,901 5,386 4,563 | Total 35 hours for economic or more noneconomic reasons 112,552 95,449 9,483 3,563 2,994 439 759 595 124 2,805 2,399 315 108,989 92,455 9,044 110,496 9,177 922 98,493 83,278 8,122 85,683 72,765 6,873 112,810 10,513 1,249 65,320 57,220 4,635 2,086 1,774 238 63,234 55,446 4,397 5,917 5,307 421 57,317 50,140 3,975 49,610 43,644 3,299 7,707 6,496 676 47,233 38,229 4,848 1,477 1,220 201 4,674 4,579 3,870 4,1176 33,138 4,147 36,073 29,121 3,574 5,103 4,017 573 55,970 4,596 33,784 5,009 4,647 4,579 3,870 4,1176 33,138 4,147 36,073 29,121 3,574 5,103 4,017 573 55,970 4,596 33,784 5,009 4,647 4,596 372 49,061 42,820 3,413 47,356 5,070 4,596 372 49,061 42,820 3,413 42,159 36,995 5,825 593 30,418 4,048 1,243 1,030 161 36,740 29,388 3,887 37,983 30,418 4,048 1,243 1,030 161 36,740 29,388 3,887 33,651 3,092 4,07 33,089 26,296 3,481 28,712 22,887 2,978 4,377 3,409 502 | Total hours or economic or more more economic reasons 112,552 95,449 9,483 7,620 3,563 2,994 439 130 759 595 124 39 108,989 92,455 9,044 7,490 10,496 9,177 922 397 98,493 85,683 72,765 6,873 6,045 12,810 10,513 1,249 1,048 63,234 55,446 4,397 3,391 5,917 5,307 421 189 57,317 50,140 3,975 3,202 49,610 43,644 3,299 2,667 7,707 6,496 676 535 4,467 4,099 4,4579 3,870 501 208 41,176 33,138 4,147 3,891 3,6073 29,121 3,574 3,378 5,103 4,017 573 513 1,249 1,348 1,249 1,586 1,89 64 1,176 33,138 4,147 3,891 3,6073 29,121 3,574 3,378 5,103 4,017 573 513 1,249 1,349 1,586 1,89 64 1,243 1,356 3,651 3,092 4,617 5,307 4,536 3,784 2,991 1,586 1,89 64 1,243 1,356 3,651 3,092 4,017 573 513 1,249 1,356 1,361 1,243 1,030 1,561 53 3,651 3,092 4,071 5,303 3,055 1,243 1,243 1,030 1,586 1,89 64 1,243 1,243 1,030 1,586 1,89 64 1,243 1,243 1,030 1,586 1,89 64 1,243 1,243 1,030 1,586 1,89 64 1,243 1,243 1,030 1,586 1,89 64 1,245 1,243 1,030 1,586 1,89 64 1,245 1,243 1,030 1,586 1,89 64 1,245 1,245 1,245 1,356 3,365 1,3092 4,077 5,307 4,536 3,651 3,092 4,077 5,537 5,58 484 4,377 3,409 502 407 1,53 33,089 26,296 3,481 3,312 2,828 4,377 3,409 502 407 1,53 33,089 26,296 3,481 3,312 2,828 4,377 3,409 502 406 466 466 477 4,41 41 30 44 6,627 5,646 528 483 6,543 441 65 595 39 20 5,592 5,049 4,460 357 232 5,592 5,049 4,460 357 232 6,586 4,563 416 407 5,586 4, | Total hours for economic or more economic or neasons 112,552 95,449 9,483 7,620 21,712 3,563 2,994 439 130 4,399 2,478 2,805 2,399 315 91 1,921 108,989 92,455 9,044 7,490 17,313 10,496 9,177 922 397 2,762 98,493 83,278 8,122 7,093 14,551 12,810 10,513 1,249 1,048 4,379 65,320 57,220 4,635 3,465 7,028 2,086 1,774 238 74 2,052 2,086 1,774 238 74 2,052 6,324 55,446 4,397 3,391 4,976 5,917 5,307 421 189 1,118 7,707 6,496 676 535 1,846 47,233 38,229 4,848 4,155 14,684 1,477 1,220 201 56 2,347 4,579 3,870 501 208 1,644 1,176 33,138 4,147 3,891 10,693 3,138 4,147 3,891 10,693 36,073 29,121 3,574 3,378 8,160 5,103 4,017 573 513 2,533 484 1,660 42,820 4,135 1,846 1,759 4,9061 42,820 3,413 2,828 3,275 4,9061 42,820 3,413 3,312 9,551 4,9061 42,820 3,413 3,312 9,551 4,9061 42,820 3,413 3,312 9,551 4,9061 42,820 42,120 42,120 42,1 | Total | Total S5 | Total Nours Nour Nour | Total 35 |

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

² Includes some persons at work 35 hours or more classified by their reason

for working part time.

NOTE: Beginning in January 1999, data reflect revised population controls used in the household survey.

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

A-19. Employed persons by occupation, sex, and age

(In thousands)

| | To | tal | | М | en | | | Wor | men | |
|--|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Occupation | | ears over | 16 y and | | 20 y and | | 16 y and | | | ears over |
| | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| Total | 132,206 | 134,264 | 71,537 | 72,348 | 67,464 | 68,210 | 60,669 | 61,917 | 56,786 | 58,093 |
| Managerial and professional specialty | 38,558 | 40,504 | 19,969 | 20,695 | 19,783 | 20,472 | 18,589 | 19,809 | 18,341 | 19,634 |
| Executive, administrative, and managerial | 19,235 | 19,508 | 10,808 | 10,879 | 10,738 | 10,805 | 8,427 | 8,629 | 8,339 | 8,557 |
| Officials and administrators, public administration | 672 | 643 | 324 | 295 | 324 | 295 | 348 | 348 | 348 | 346 |
| Other executive, administrative, and managerial | 13,882 4,681 | 13,995 4,871 | 8,417 2,068 | 8,511 2,073 | 8,363 2,051 | 8,442 2,068 | 5,465 2,614 | 5,484 2,797 | 5,391 2,601 | 5,434 2,778 |
| Management-related occupations Professional specialty | 19,323 | 20,995 | 9,161 | 9,816 | 9,046 | 9,667 | 10,162 | 11,180 | 10,002 | 11,077 |
| Engineers | | 2,070 | 1,802 | 1,861 | 1,795 | 1,859 | 209 | 208 | 209 | 208 |
| Mathematical and computer scientists | | 1,908 | 1,337 | 1,286 | 1,319 | 1,273 | 581 | 621 | 570 | 620 |
| Natural scientists | | 591 | 399 | 401 | 398 | 401 | 155 | 190 | 155 | 190 |
| Health diagnosing occupations | | 1,110 | 826 | 843 | 826 | 843 | 341 | 267 | 341 | 267 |
| Health assessment and treating occupations | | 3,147 | 402 | 420 | 402 | 418 | 2,362 | 2,727 | 2,351 | 2,722 |
| Teachers, college and university | 815 4,450 | 851 4,924 | 483 1,075 | 512 1,265 | 479 1,058 | 512 1,240 | 332 3,375 | 339 3,659 | 328 3,301 | 339 3,622 |
| Teachers, except college and university Lawyers and judges | | 1,003 | 724 | 711 | 715 | 711 | 274 | 293 | 274 | 293 |
| Other professional specialty occupations | | 5,391 | 2,113 | 2,516 | 2,053 | 2,411 | 2,531 | 2,875 | 2,472 | 2,816 |
| Fechnical, sales, and administrative support | | 38,998 | 14,136 | 14,058 | 13,211 | 13,019 | 24,909 | 24,939 | 23,015 | 22,994 |
| Technicians and related support | | 4,412 | 2,076 | 2,118 | 2,041 | 2,064 | 2,250 | 2,294 | 2,216 | 2,239 |
| Health technologists and technicians | | 1,727 1,251 | 313 971 | 316 977 | 310 954 | 310 954 | 1,404 307 | 1,411 274 | 1,382 301 | 1,37° 264 |
| Engineering and science technicians | | 1,435 | 792 | 826 | 777 | 800 | 539 | 609 | 532 | 604 |
| Sales occupations | | 16,226 | 7,995 | 8,016 | 7,377 | 7,324 | 8,084 | 8,210 | 6,869 | 7,01 |
| Supervisors and proprietors | | 4,866 | 2,851 | 2,805 | 2,822 | 2,769 | 1,930 | 2,061 | 1,901 | 2,023 |
| Sales representatives, finance and business services | | 2,758 | 1,583 | 1,543 | 1,534 | 1,525 | 1,157 | 1,215 | 1,110 | 1,174 |
| Sales representatives, commodities, except retail | | 1,557 | 1,228 | 1,142 | 1,215 | 1,137 | 466 | 415 | 460 | 404 |
| Sales workers, retail and personal services | | 6,953 | 2,303 | 2,496 | 1,778 | 1,863 | 4,478 | 4,457 | 3,344 | 3,35 |
| Sales-related occupations | 18,640 | 91 18,359 | 30 4,065 | 30 3,924 | 28 3,793 | 30 3,631 | 54 14,575 | 61 14,435 | 53 13,930 | 13,743 |
| Administrative support, including clerical | | 659 | 243 | 292 | 239 | 290 | 437 | 367 | 437 | 367 |
| Computer equipment operators | l | 393 | 162 | 173 | 156 | 167 | 204 | 220 | 200 | 213 |
| Secretaries, stenographers, and typists | | 3,449 | 71 | 80 | 69 | 73 | 3,607 | 3,369 | 3,505 | 3,293 |
| Financial records processing | | 2,231 | 199 | 217 | 192 | 202 | 2,075 | 2,014 | 2,048 | 1,983 |
| Mail and message distributing Other administrative support, including clerical | | 1,039 10,588 | 659 2,731 | 595 2,568 | 649 2,488 | 566 2,333 | 350 7,902 | 445 8,020 | 340 7,402 | 7,46 |
| Service occupations | 18,081 | 18,341 | 7,311 | 7,490 | 6,274 | 6,430 | 10,770 | 10,851 | 9,396 | 9,483 |
| Private household | 808 | 832 | 44 | 39 | 35 | 30 | 764 | 793 | 622 | 67 |
| Protective service | | 2,644 | 2,078 | 2,141 | 2,010 | 2,055 | 9,529 | 502 | 374 | 395 |
| Service, except private household and protective | | 14,866 | 5,189 2,642 | 5,310 2,639 | 4,229 1,966 | 4,345 1,952 | 3,449 | 9,556 3,494 | 8,400 2,689 | 8,418 2,710 |
| Health service | | 2,586 | 283 | 281 | 265 | 269 | 2,383 | 2,306 | 2,266 | 2,19 |
| Cleaning and building service | | 3,155 | 1,678 | 1,767 | 1,519 | 1,646 | 1,463 | 1,388 | 1,390 | 1,32 |
| Personal service | | 2,991 | 586 | 622 | 478 | 479 | 2,234 | 2,369 | 2,055 | 2,186 |
| Precision production, craft, and repair | 14,360 | 14,355 | 13,177 | 13,113 | 12,807 | 12,780 | 1,183 | 1,241 | 1,160 | 1,20 |
| Mechanics and repairers Construction trades | 4,710 5,686 | 4,759 5,799 | 4,485 5,591 | 4,545 5,655 | 4,386 5,374 | 4,452 5,466 | 225 | 215 144 | 223 | 134 |
| Other precision production, craft, and repair | | 3,797 | 3,101 | 2,914 | 3,048 | 2,862 | 863 | 882 | 843 | 855 |
| Operators, fabricators, and laborers | 18,138 | 18,231 | 13,707 | 13,925 | 12,556 | 12,786 | 4,431 | 4,306 | 4,176 | 4,08 |
| Machine operators, assemblers, and inspectors | 7,769 | 7,245 | 4,892 | 4,509 | 4,687 | 4,326 | 2,876 | 2,736 | 2,781 | 2,66 |
| Transportation and material moving occupations | 5,185 | 5,537 | 4,699 | 5,027 | 4,561 | 4,916 | 487 | 509 | 474 | 49 |
| Motor vehicle operators | | 1,387 | 3,506 | 3,715 | 3,402 1,159 | 3,626 1,290 | 395 92 | 435 75 | 383 | 41 |
| Other transportation and material moving occupations | | 5,449 | 4,117 | 4,389 | 3,308 | 3,544 | 1,068 | 1,061 | 922 | 93 |
| Construction laborers | | 989 | 855 | 960 | 737 | 844 | 40 | 28 | 34 | 2 |
| Other handlers, equipment cleaners, helpers, and laborers | | 4,461 | 3,261 | 3,429 | 2,572 | 2,700 | 1,028 | 1,032 | 888 | 90 |
| Farming, forestry, and fishing | 4,023 | 3,836 | 3,236 | 3,066 | 2,832 | 2,723 | 786 | 771 | 698 | 693 |
| Farm operators and managers | . 1,243 | 1,185 | 958 | 890 | 947 | 881 | 285 | 295 | 280 | 293 |
| Other farming, forestry, and fishing occupations | 2,780 | 2,652 | 2,278 | 2,176 | 1,885 | 1,842 | 501 | 476 | 417 | 399 |

NOTE: Beginning in January 1999, data reflect revised population controls

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

(Percent distribution)

| | To | otal | M | en | Wor | nen |
|--|--------------|------------------|-----------------|-----------------|-----------------|-----------------|
| Occupation and race | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| TOTAL | <u> </u> | | | | | |
| Total, 16 years and over (thousands) | | 134,264 100.0 | 71,537 100.0 | 72,348 100.0 | 60,669 100.0 | 61,917 100.0 |
| Managerial and professional specialty | 29.2 | 30.2 | 27.9 | 28.6 | 30.6 | 32.0 |
| Executive, administrative, and managerial | 14.5 | 14.5 | 15.1 | 15.0 | 13.9 | 13.9 |
| Professional specialty | | 15.6 | 12.8 | 13.6 | 16.7 | 18.1 |
| echnical, sales, and administrative support | | 29.0 3.3 | 19.8 2.9 | 19.4 2.9 | 41.1 3.7 | 40.3 3.7 |
| Technicians and related support | | 12.1 | 11.2 | 11.1 | 13.3 | 13.3 |
| Administrative support, including clerical | | 13.7 | 5.7 | 5.4 | 24.0 | 23.3 |
| ervice occupations | | 13.7 | 10.2 | 10.4 | 17.8 | 17.5 |
| Private household | | .6 | .1 | .1 | 1.3 | 1.3 |
| Protective service | | 2.0 | 2.9 | 3.0 | 8 | .8 |
| Service, except private household and protective | | 11.1 | 7.3 | 7.3 | 15.7 | 15.4 |
| recision production, craft, and repair | | 10.7 13.6 | 18.4 19.2 | 18.1 19.2 | 2.0 7.3 | 2.0 7.0 |
| Operators, fabricators, and laborers | | 5.4 | 6.8 | 6.2 | 4.7 | 4.4 |
| Transportation and material moving occupations | | 4.1 | 6.6 | 6.9 | .8 | 3. |
| Handlers, equipment cleaners, helpers, and laborers | | 4.1 | 5.8 | 6.1 | 1.8 | 1.7 |
| arming, forestry, and fishing | | 2.9 | 4.5 | 4.2 | 1.3 | 1.2 |
| White | | | | | | |
| Total, 16 years and over (thousands) | 111,511 | 112,846 100.0 | 61,328 100.0 | 61,901 100.0 | 50,183 100.0 | 50,945 100.0 |
| Managerial and professional specialty | 30.3 | 31.1 | 29.0 | 29.5 | 32.0 | 33.1 |
| Executive, administrative, and managerial | | 15.3 | 16.0 | 15.9 | 14.5 | 14.5 |
| Professional specialty | | 15.9 29.1 | 13.0 19.8 | 13.6 19.6 | 17.4 41.5 | 18.6 40.6 |
| echnical, sales, and administrative support | | 3.3 | 2.8 | 2.9 | 3.7 | 3,7 |
| Technicians and related support | | 12.5 | 11.7 | 11.6 | 13.4 | 13.5 |
| Administrative support, including clerical | | 13.3 | 5.3 | 5.0 | 24.4 | 23.4 |
| Service occupations | . 12.4 | 12.5 | 9.0 | 9.2 | 16.5 | 16.6 |
| Private household | | .6 | .1 | .1 | 1.3 | 1.3 |
| Protective service | | 1.8 | 2.7 6.3 | 2.7 6.4 | .7 14.5 | 14.6 |
| Service, except private household and protective Precision production, craft, and repair | | 11.3 | 19.1 | 18.9 | 1.9 | 2.0 |
| Operators, fabricators, and laborers | | 12.9 | 18.3 | 18.3 | 6.7 | 6.3 |
| Machine operators, assemblers, and inspectors | | 5.0 | 6.6 | 6.0 | 4.2 | 3.9 |
| Transportation and material moving occupations | . 3.8 | 3.9 | 6.3 | 6.6 | .7 | 3. |
| Handlers, equipment cleaners, helpers, and laborersarming, forestry, and fishing | | 3.9 | 5.5 4.8 | 5.7 4.6 | 1.7 1.5 | 1.0 |
| Black | | 5 | | | | |
| Total, 16 years and over (thousands) | 14,663 | 15,156 | 6,950 | 7,124 | 7,713 | 8,033 |
| Percent | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Managerial and professional specialty | | 21.3 9.4 | 15.8 8.5 | 17.8 8.0 | 22.3 10.6 | 24.4 10.5 |
| Executive, administrative, and managerial | | 11.9 | 7.3 | 9.7 | 11.7 | 13. |
| Fechnical, sales, and administrative support | | 29.6 | 18.3 | 18.4 | 39.3 | 39. |
| Technicians and related support | | 3.1 | 3.1 | 2.4 | 3.5 | 3. |
| Sales occupations | .\ 9.8 | 9.2 | 7.1 | 7.2 | 12.3 | 10.9 |
| Administrative support, including clerical | . 16.1 | 17.2 | 8.0 | 8.7 | 23.4 | 24.8 |
| Service occupations | | 21.4 | 19.7 | 18.6 | 25.9 | 23.9 |
| Private household Protective service | | 3.6 | 1.1 5.8 | 5.6 | .9 1.6 | 1.3 |
| Service, except private household and protective | | 17.2 | 13.8 | 12.9 | 23.3 | 20.9 |
| Precision production, craft, and repair | | 7.3 | 14.7 | 13.3 | 1.8 | 1.9 |
| Operators, fabricators, and laborers | . 19.1 | 19.2 | 28.7 | 29.5 | 10.5 | 10.0 |
| Machine operators, assemblers, and inspectors | . 7.9 | 7.8 | 9.0 | 8.8 | 6.8 | 6.8 |
| | | | 1 107 | . 440 | | |
| Transportation and material moving occupations | | 6.0 5.4 | 10.7 8.9 | 11.3 | 1.5 2.1 | 1.3 |

NOTE: Beginning in January 1999, data reflect revised population controls

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

A-21. Employed persons by industry and occupation

(In thousands)

| | | | | | | | August | 1999 | | ···· | | | |
|---|------------------------|--|--------------------------------|---------------------------------|---------------------------------|--|---------------------------|-------------------------------|---|--|--|--|---|
| | | Manager profess speci | ional | | ical, sal ministra suppor | | | rvice pations | Preci- | | Operators, fabricators, and laborers | | |
| Industry | Total em- ployed | Executive, adminis- trative, and mana- gerial | Profes- sional specialty | Technicians and related support | Sales | Adminis- trative support, including clerical | Private house- hold | Other service ¹ | sion produc- tion, craft, and repair | Machine oper- ators, assem- blers, and inspec- tors | Transpor- tation and material moving | Handlers, equipment cleaners, helpers, and laborers | Farming, forestry, and fishing |
| Agriculture | 3,525 | 143 | 96 | 47 | 5 | 143 | _ | 12 | 31 | 2 | 60 | 19 | 2,967 |
| Mining | | 87 | 96 | 30 | 13 | 35 | _ | 6 | 177 | 28 | 108 | 21 | - |
| Construction | 9,186 | 1,372 | 155 | 51 | 64 | 435 | - | 37 | 5,281 | 88 | 619 | 1,049 | 35 |
| Manufacturing | | 3,026 | 1,992 | 614 | 688 | 1,824 | - | 240 | 3,750 | 5,710 | 750 | 1,075 | 105 |
| Durable goods | 12,003 | 1,824 | 1,249 | 414 | 333 | 1,041 | - | 135 | 2,571 | 3,409 | 384 | 545 | 97 |
| Nondurable goods | 7,772 | 1,202 | 743 | 200 | 355 | 782 | - | 105 | 1,179 | 2,302 | 366 | 530 | 7 |
| Transportation and public | | | | | | | | | | | | | |
| utilities | 9,797 | 1,428 | 550 | 363 | 262 | 2,450 | - | 305 | 1,357 | 147 | 2,289 | 629 | 18 |
| Wholesale and retail trade | 27,781 | 2,566 | 597 | 261 | 11575 | 2,410 | - | 5,355 | 1,382 | 375 | 1,117 | 2,038 | 105 |
| Wholesale trade | 5,276 | 608 | 158 | 45 | 2,066 | 846 | - | 81 | 343 | 133 | 516 | 416 | 66 |
| Retail trade | 22,504 | 1,958 | 440 | 216 | 9,509 | 1,564 | - | 5,275 | 1,039 | 242 | 601 | 1,622 | 39 |
| Finance, insurance, and | | | | | | | | | | | | | |
| real estate | 8,910 | 2,746 | 377 | 210 | 2,285 | 2,720 | - | 325 | 148 | 5 | 12 | _24 | 59 |
| Services | 48,596 | 6,812 | 16,101 | 2,575 | 1,298 | 7,068 | 832 | 9,407 | 2,031 | 872 | 54 5 | 549 | 506 |
| Private households | 933 47.663 | 6 | 5 | 5 | 4 000 | 7.000 | 832 | 57 | 0.004 | | | 14 | 13 |
| Other service industries Professional services | 31,528 | 6,806 4,081 | 16,095 13,651 | 2,570 2,095 | 1,298 · 209 | 7,068 5,127 | ~ | 9,350 5,327 | 2,031 | 872 | 545 | 535 | 493 |
| Public administration | 6,095 | 1,328 | 1,032 | 2,095 261 | 209 | 1,275 | _ | 1,822 | 431 198 | 164 17 | 271 37 | 73 46 | 99 41 |
| T GDIIC GOTTIITIS((BUOT) | 0,095 | 1,320 | 1,002 | 201 | 3 | 1,275 | - | 1,022 | 196 | i '' | 3/ | 46 | 41 |

¹ Includes protective service, not shown separately. NOTE: Beginning in January 1999, data reflect revised population controls

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

(In thousands)

| | | | | | Aug | just 1999 | | | | |
|--------------------------|-------------------|---------------------|-------------------|----------------|----------------|---------------------------------|--------------------------|------------|---------------------|-------------------|
| | | Agriculture | | | | Nona | gricultural ind | lustries | | |
| | | | | | Wag | ge and salary v | vorkers | | | |
| Age and sex | Wage and | Self- | Unpaid | | F | rivate industrie | es | | Self- | Unpaid |
| | salary workers | employed workers | family workers | Total | Total | Private household workers | Other private industries | Government | employed workers | family workers |
| Total, 16 years and over | 2,088 262 | 1,379 23 | 58 24 | 121,595 | 102,949 | 923 | 102,026 | 18,646 | 9,057 | 87 |
| 16 to 19 years | 118 | 18 | 10 | 7,562 3,046 | 7,141 2,881 | 147 83 | 6,994 2,798 | 421 | 80 | 11 |
| 16 to 17 years | 145 | 4 | 14 | 4,516 | 4,260 | 65 | 4,196 | 165 256 | 39 41 | 6 5 |
| 20 to 24 years | | 49 | 5 | 12,576 | 11,626 | 109 | 11,517 | 950 | 292 | 8 |
| 25 to 34 years | | 144 | 5 | 28,413 | 24,768 | 137 | 24,631 | 3.645 | 1,520 | 14 |
| 35 to 44 years | | 307 | 18 | 33,080 | 27,748 | 186 | 27,561 | 5,332 | 2,672 | 21 |
| 45 to 54 years | 260 | 345 | 1 | 25,574 | 19.817 | 177 | 19,640 | 5,756 | 2,421 | 18 |
| 55 to 64 years | 144 | 285 | 4 | 11,455 | 9,333 | 101 | 9,231 | 2,122 | 1,450 | 2 |
| 65 years and over | 52 | 226 | 2 | 2,935 | 2,516 | 64 | 2,452 | 420 | 622 | 13 |
| Men, 16 years and over | 1,567 | 1,019 | 30 | 64,210 | 55,791 | 64 | 55,726 | 8,420 | 5,494 | 26 |
| 16 to 19 years | 204 | 18 | 18 | 3,844 | 3,657 | 21 | 3,636 | 186 | 46 | 8 |
| 16 to 17 years | 95 | 15 | 4 | 1,569 | 1,497 | 17 | 1,481 | 72 | 23 | 3 |
| 18 to 19 years | 109 | 3 | 14 | 2,275 | 2,160 | 4 | 2,156 | 115 | 24 | 5 |
| 20 to 24 years | 262 | 45 | 2 | 6,541 | 6,101 | 17 | 6,084 | 440 | 179 | 6 |
| 25 to 34 years | 387 | 100 | 1 | 15,304 | 13,594 | 1 | 13,593 | 1,710 | 854 | 2 |
| 35 to 44 years | 373 | 247 | 6 | 17,680 | 15,350 | 12 | 15,338 | 2,330 | 1,602 | _ |
| 45 to 54 years | 191 | 236 | _ | 13,171 | 10,611 | 7 | 10,605 | 2,559 | 1,464 | 3 |
| 55 to 64 years | 108 | 203 | 3 | 6,049 | 5,079 | 2 | 5,077 | 970 | 929 | - |
| 65 years and over | 42 | 171 | - ' | 1,622 | 1,397 | 4 | 1,393 | 225 | 419 | 7 |
| Women, 16 years and over | 521 | 359 | 28 | 57,384 | 47,158 | 858 | 46,300 | 10,226 | 3,563 | 61 |
| 16 to 19 years | 58 | 5 | 6 | 3,719 | 3,484 | 126 | 3,358 | 235 | 34 | 3 |
| 16 to 17 years | 23 | 3 | 6 | 1,477 | 1,384 | 66 | 1,318 | 94 | 16 | 3 |
| 18 to 19 years | 35 | 2 | - _ | 2,241 | 2,100 | 60 | 2,040 | 141 | 17 | _ |
| 20 to 24 years | 66 | 4 | 3 | 6,035 | 5,525 | 93 | 5,432 | 510 | 113 | 2 |
| 25 to 34 years | 144 | 44 | 4 | 13,109 | 11,174 | 136 | 11,038 | 1,935 | 666 | 12 |
| 35 to 44 years | 140 | 60 | 11 | 15,400 | 12,398 | 174 | 12,224 | 3,002 | 1,069 | 21 |
| 45 to 54 years | 68 | 109 | . 1 | 12,403 | 9,206 | 171 | 9,035 | 3,197 | 957 | 16 |
| 55 to 64 years | 35 | 82 | 1 | 5,406 | 4,253 | 99 | 4,154 | 1,152 | 521 | 2 |
| 65 years and over | 10 | 55 | 2 | 1,313 | 1,118 | 60 | 1,059 | 195 | 203 | 6 |

NOTE: Beginning in January 1999, data reflect revised population controls

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

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

| | | | Augus | st 1999 | | |
|---|-------------------|-----------------|-------------------------------|-------------------|-----------------|----------------------------|
| Hours of work | | Thousands of pe | ersons | | Percent distrib | ution |
| | All industries | Agriculture | Nonagricultural industries | All industries | Agriculture | Nonagricultural industries |
| Total, 16 years and over | 124,238 | 3,373 | 120,864 | 100.0 | 100.0 | 100.0 |
| 1 to 34 hours | 27,837 | 905 | 26,932 | 22.4 | 26.8 | 22.3 |
| 1 to 4 hours | 1,287 | 85 | 1,202 | 1.0 | 2.5 | 1.0 |
| 5 to 14 hours | 4,091 | 176 | 3,915 | 3.3 | 5.2 | 3.2 |
| 15 to 29 hours | 13,953 | 393 | 13,560 | 11.2 | 11.7 | 11.2 |
| 30 to 34 nours | 8,505 | 250 | 8,255 | 6.8 | 7.4 | 6.8 |
| 35 hours and over | 96,401 | 2,469 | 93,932 | 77.6 | 73.2 | 77.7 |
| 35 to 39 hours | 8,300 | 196 | 8,104 | 6.7 | 5.8 | 6.7 |
| 40 hours | 48,859 | 937 | 47,922 | 39.3 | 27.8 | 39.6 |
| 41 hours and over | 39,242 | 1,336 | 37,906 | 31.6 | 39.6 | 31.4 |
| 41 to 48 hours | 14,324 | 246 | 14,078 | 11.5 | 7.3 | 11.6 |
| 49 to 59 hours | 14,283 | 361 | 13,921 | 11.5 | 10.7 | 11.5 |
| 60 hours and over | 10,636 | 729 | 9,906 | 8.6 | 21.6 | 8.2 |
| Average hours, total at work | 39.9 | 42.9 | 39.9 | _ | _ | _ |
| Average hours, persons who usually work full time | 43.3 | 48.8 | 43.2 | - | - | - |

NOTE: Beginning in January 1999, data reflect 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 35 hours and usual full- or part-time status

(Numbers in thousands)

| | | | Augus | t 1999 | | |
|---|---------------------|------------------------------|------------------------------|-------------------------|------------------------------|------------------------------|
| 5 () | | All industries | | Nona | agricultural indu | stries |
| Reason for working less than 35 hours | Total | Usually work full time | Usually work part time | Total | Usually work full time | Usually work part time |
| Total, 16 years and over | 27,837 | 9,483 | 18,354 | 26,932 | 9,231 | 17,701 |
| Economic reasons | 3,238 1,759 | 1,340 984 | 1,898 775 | 3,102 1,677 | 1,271 940 | 1,831 736 |
| Could only find part-time work | 1,068 145 267 | 90 267 | 1,068 55 - | 1,046 120 259 | 72 259 | 1,046 48 – |
| loneconomic reasons | 24,598 745 | 8,143 73 | 16,455 671 | 23,830 729 | 7,960 73 | 15,870 656 |
| Other family or personal obligations | 5,011 652 | 684 - | 4,327 652 | 4,874 615 | 671 - | 4,202 615 |
| In school or training | 4,827 1,911 | 133 - 4,701 | 4,694 1,911 | 4,690 1,766 4,619 | 122 - 4.619 | 4,568 1,766 |
| Vacation or personal dayHoliday, legal or religious | 4,701 63 146 | 63 | | 63 117 | 63 | - |
| All other reasons | 6,543 | 2,343 | 4,199 | 6,358 | 2,295 | 4,063 |
| Average hours: Economic reasons Other reasons | 22.9 21.6 | 23.4 24.0 | 22.5 20.4 | 22.8 21.7 | 23.3 24.1 | 22.5 20.5 |

NOTE: Beginning in January 1999, data reflect revised population controls

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

(Numbers in thousands)

| | | | | Augu | ıst 1999 | | | |
|--|----------------------------------|-------------------------------|----------------------------|---------------------------------|---------------------------------|----------------------------------|------------------------------|------------------------------------|
| | | | Worked 1 t | o 34 hours | | | Avera | age hours |
| Industry and class of worker | Total | | | | economic sons | Worked | | |
| | at work | Total | For economic reasons | Usually work full time | Usually work part time | 35 hours or more | Total at work | Persons who usually work full time |
| Total, 16 years and over | 120,864 | 26,932 | 3,102 | 7,960 | 15,870 | 93,932 | 39.9 | 43.2 |
| Wage and salary workers | 112,439 | 24,288 | 2,805 | 7,383 | 14,100 | 88,151 | 39.9 | 42.9 |
| Mining | 535 | 37 | 5 | 23 | 9 | 498 | 47.7 | 48.3 |
| Construction | 7,305 | 981 | 201 | 433 | 347 | 6,324 | 42.1 | 43.4 |
| Manufacturing Durable goods Nondurable goods | 18,432 11,223 7,209 | 2,133 1,230 902 | 254 138 116 | 1,200 771 429 | 678 321 357 | 16,299 9,992 6,307 | 42.7 43.1 42.2 | 43.6 43.7 43.4 |
| Transportation and public utilities | 8,770 24,706 7,768 | 1,254 7,431 1,476 | 185 930 92 | 561 1,128 622 | 509 5,373 762 | 7,516 17,276 6,292 | 42.6 38.0 40.1 | 44.2 43.4 42.1 |
| Service industries | 39,233 863 38,370 5,689 | 10,200 463 9,737 777 | 1,111 58 1,053 28 | 2,938 39 2,899 480 | 6,152 366 5,785 269 | 29,033 400 28,633 4,912 | 38.3 30.1 38.5 41.0 | 42.1 41.9 42.1 42.1 |
| Self-employed workers | 8,338 87 | 2,592 52 | 294 3 | 569 8 | 1,729 41 | 5,746 35 | 40.1 30.3 | 46.6 37.8 |

NOTE: Beginning in January 1999, data reflect revised population controls

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)

| | | | | Aug | just 1999 | | _ | |
|---|-------------|----------------|---------------------|---------------------------------|---------------------------------|--------------------|--------------|---------------------------|
| · | ! | | Worked 1 t | o 34 hours | · | | Aver | age hours |
| Age, sex, race, and marital status | Total at | | For | | economic sons | Worked 35 hours | Total | Persons who |
| | work | Total | economic reasons | Usually work full time | Usually work part time | or more | at work | usually work full time |
| TOTAL | } | | | | | | | |
| Total, 16 years and over | 120,864 | 26,932 | 3,102 | 7,960 | 15,870 | 93,932 | 39.9 | 43.2 |
| 6 to 19 years | | 4,212 | 396 | 300 | 3,516 | 3,065 | 29.5 | 39.9 |
| 16 to 17 years | | 2,252 | 134 | 74 | 2,044 | 658 | 24.2 | 38.4 |
| 18 to 19 years | | 1,960 | 262 | 225 | 1,472 | 2,407 | 33.0 | 40.2 |
| 0 years and over | | 22,720 | 2,706 | 7,660 | 12,354 | 90,868 | 40.5 | 43.3 |
| 20 to 24 years | | 3,316 | 561 | 729 | 2,025 | 9,011 | 37.8 | 41.5 |
| 25 years and over | 1 | 19,404 | 2,144 | 6,931 | 10,329 | 81,856 | 40.9 | 43.5 |
| 25 to 54 years | 86,311 | 14,748 | 1,844 | 5,905 | 6,998 | 71,563 | 41.5 | 43.6 |
| 55 years and over | 14,950 | 4,657 | 300 | 1,026 | 3,331 | 10,293 | 37.3 | 42.9 |
| Men, 16 years and over | | 10,322 | 1,434 | 3,837 | 5,051 | 55,514 | 42.6 | 44.7 |
| 6 to 19 years | | 1,967 | 199 | 161 | 1,607 | 1,751 | 31.0 | 40.4 |
| 16 to 17 years | | 1,119 | 83 | 38 | 998 | 376 | 25.5 | 39.0 |
| 18 to 19 years | | 848 | 116 | 123 | 609 | 1,375 | 34.7 | 40.8 |
| 0 years and over | | 8,355 | 1,235 | 3,676 | 3,445 | 53,763 | 43.3 | 44.9 |
| 20 to 24 years | | 1,379 | 274 | 333 | 773 | 5,108 | 39.6 | 42.6 |
| 25 years and over | | 6,976 | 961 | 3,343 | 2,672 | 48,655 | 43.7 | 45.1 |
| 25 to 54 years | | 4,901 2,075 | 813 148 | 2,794 549 | 1,294 1,378 | 42,395 6,260 | 44.4 39.8 | 45.2 44.3 |
| , | \ | | | | | | | ļ |
| Women, 16 years and over | | 16,610 | 1,668 | 4,123 | 10,819 | 38,418 | 36.6 | 41.0 39.1 |
| 6 to 19 years | | 2,245 | 197 51 | 138 36 | 1,910 1,046 | 1,314 282 | 28.0 22.9 | 37.4 |
| 16 to 17 years | | 1,111 | 146 | 102 | 863 | 1,032 | 31.3 | 39.5 |
| 18 to 19 years | | 14,365 | 1,471 | 3,985 | 8,909 | 37,105 | 37.2 | 41.0 |
| 20 years and over | | 1,936 | 288 | 396 | 1,252 | 3,904 | 35.7 | 40.2 |
| 25 years and over | | 12,428 | 1,183 | 3,588 | 7,657 | 33,201 | 37.4 | 41.1 |
| 25 to 54 years | | 9,847 | 1,031 | 3,111 | 5,704 | 29,168 | 37.9 | 41.2 |
| 55 years and over | | 2,582 | 152 | 477 | 1,953 | 4,033 | 34.2 | 40.8 |
| Race | | | | | | | | |
| White, 16 years and over | | 23,068 | 2,416 | 6,771 | 13,881 | 77,835 | 39.9 | 43.3 |
| Men | | 8,729 | 1,132 | 3,323 | 4,275 | 47,282 | 42.8 | 44.9 |
| Nomen | 44,891 | 14,338 | 1,284 | 3,449 | 9,606 | 30,553 | 36.2 | 41.0 |
| Black, 16 years and over | | 2,705 | 544 | 845 | 1,315 | 11,385 | 39.6 | 42.0 |
| Men | | 1,104 | 239 306 | 374 472 | 492 823 | 5,586 5,798 | 41.1 38.2 | 43.2 40.9 |
| Marital status | | | 1 | | | | | : |
| Mon. 16 years and over | | | | | | | |] |
| Men, 16 years and over: Married, spouse present | 39.234 | 4,713 | 552 | 2,396 | 1,765 | 34,521 | 44.1 | 45.4 |
| Widowed, divorced, or separated | | 1,118 | 196 | 451 | 471 | 6,572 | 42.8 | 44.6 |
| Single (never married) | | 4,491 | 686 | 990 | 2,815 | 14,421 | 39.3 | 43.1 |
| Nomen, 16 years and over: | | 1 | | 1 | | | | |
| Married, spouse present | 28,461 | 8,792 | 661 | 2,262 | 5,869 | 19,669 | 36.2 | 40.7 |
| Widowed, divorced, or separated | 11,123 | 2,697 | 352 | 897 | 1,447 | 8,426 | 38.6 | 41.6 |
| Single (never married) | | 5,121 | 655 | 964 | 3,502 | 10,323 | 35.9 | 41.0 |

NOTE: Beginning in January 1999, data reflect revised population controls

A-27. Persons at work in nonfarm occupations by sex and usual full- or part-time status

(Numbers in thousands)

| | August 1999 | | | | | | | | |
|--|---------------------|----------------------|----------------------------|---------------------------------|---------------------------------|--------------------|------------------|---------------------------|--|
| Occupation and sex | Total at work | Worked 1 to 34 hours | | | | | Average hours | | |
| | | Total | For economic reasons | For noneconomic reasons | | Worked 35 hours | Total | Persons who | |
| | | | | Usually work full time | Usually work part time | or more | at work | usually work full time | |
| Total, 16 years and over ¹ | 120,572 | 26,861 | 3,080 | 7,925 | 15,856 | 93,711 | 39.9 | 43.2 | |
| Managerial and professional specialty | 35,993 | 6,569 | 441 | 2,845 | 3,283 | 29,424 | 41.9 | 44.3 | |
| Executive, administrative, and managerial | 18,394 | 2,643 | 114 | 1,372 | 1,157 | 15,751 | 43.7 | 45.3 | |
| Professional specialty | | 3,926 | 327 | 1,472 | 2,126 | 13,673 | 40.1 | 43.1 | |
| Technical, sales, and administrative support | | 9,541 | 860 | 2,368 | 6,312 | 27,059 | 38.1 | 42.1 | |
| Technicians and related support | | 830 | 67 481 | 323 803 | 440 3,058 | 3,342 11,015 | 39.5 39.2 | 41.8 44.3 | |
| Sales occupations Administrative support, including clerical | | 4,342 4,369 | 312 | 1,242 | 2,814 | 12,703 | 36.8 | 40.3 | |
| Service occupations | l' | 5,940 | 857 | 894 | 4,189 | 11,157 | 36.1 | 42.1 | |
| Private household | | 410 | 49 | 32 | 329 | 371 | 30.2 | 41.5 | |
| Protective service | 2,460 | 358 | 45 | 129 | 184 | 2,102 | 42.9 | 45.1 | |
| Service, except private household and protective | | 5,172 | 763 | 733 | 3,676 | 8,685 | 35.2 | 41.5 | |
| Precision production, craft, and repair | 13,592 | 1,665 | 306 | 800 | 560 | 11,927 | 42.7 | 43.8 | |
| Operators, fabricators, and laborers | 17,290 | 3,147 | 616 | 1,018 | 1,512 | 14,144 | 40.9 | 43.2 | |
| Machine operators, assemblers, and inspectors | | 1,000 | 208 | 471 | 320 | 5,922 | 40.9 | 42.1 | |
| Transportation and material moving occupations Handlers, equipment cleaners, helpers, and laborers | | 714 1,433 | 134 274 | 225 322 | 355 837 | 4,435 3,787 | 44.3 37.6 | 46.4 41.5 | |
| Men, 16 years and over ¹ | 65,411 | 10,195 | 1,420 | 3,790 | 4,985 | 55,217 | 42.6 | 44.8 | |
| Managerial and professional specialty | 19,143 | 2,445 | 181 | 1,287 | 977 | 16,698 | 44.7 | 46.1 | |
| Executive, administrative, and managerial | 1 | 1,069 | 45 | 616 | 408 | 9,246 | 46.0 | 47.2 | |
| Professional specialty | | 1,376 | 136 | 671 | 569 | 7,451 | 43.1 | 44.9 | |
| Technical, sales, and administrative support | | 2,378 | 236 | 711 | 1,430 | 11,045 | 42.1 | 44.9 | |
| Technicians and related support | | 284 | 32 | 146 | 106 | 1,728 | 41.9 | 43.3 | |
| Sales occupations | | 1,448 | 132 | 368 | 948 | 6,215 | 43.2 | 46.7 | |
| Administrative support, including clerical | | 646 1,763 | 72 324 | 197 331 | 377 1,109 | 3,102 | 39.7 39.3 | 42.2 43.6 | |
| Service occupations | | 26 | 4 | 331 | 22 | 5,353 13 | (²) | (²) | |
| Protective service | | 248 | 36 | 102 | 110 | 1,760 | 43.8 | 45.6 | |
| Service, except private household and protective | 1 | 1,488 | 283 | 228 | 977 | 3,580 | 37.6 | 42.6 | |
| Precision production, craft, and repair | | 1,443 | 262 | 741 | 440 | 11,005 | 43.0 | 43.9 | |
| Operators, fabricators, and laborers | | 2,167 | 417 | 720 | 1,029 | 11,116 | 41.8 | 44.0 | |
| Machine operators, assemblers, and inspectors | | 511 | 91 | 285 | 135 | 3,817 | 41.9 | 42.8 | |
| Transportation and material moving occupations | | 589 | 113 | 199 | 276 | 4,152 | 45.0 | 46.8 | |
| Handlers, equipment cleaners, helpers, and laborers | 1 | 1,067 | 213 | 235 | 618 | 3,147 | 38.2 | 41.9 | |
| Women, 16 years and over ¹ | | 16,667 | 1,660 | 4,135 | 10,871 | 38,494 | 36.6 | 41.0 | |
| Managerial and professional specialty | 16,850 | 4,124 | 260 | 1,557 | 2,306 | 12,726 | 38.8 | 41.9 | |
| Executive, administrative, and managerial | | 1,575 | 69 191 | 756 801 | 1 557 | 6,504 | 40.7 37.0 | 42.8 | |
| Professional specialty Technical, sales, and administrative support | l - ' | 2,549 7,163 | 624 | 1,657 | 1,557 4,882 | 6,222 16,014 | 37.0 35.8 | 41.0 40.3 | |
| Technicians and related support | | 546 | 36 | 1,037 | 334 | 1,614 | 37.2 | 40.2 | |
| Sales occupations | | 2,894 | 349 | 435 | 2,110 | 4,800 | 35.1 | 41.4 | |
| Administrative support, including clerical | | 3,723 | 240 | 1,046 | 2,438 | 9,601 | 36.0 | 39.7 | |
| Service occupations | 9,982 | 4,177 | 533 | 564 | 3,080 | 5,805 | 33.8 | 40.8 | |
| Private household | | 384 | 44 | 32 | 307 | 358 | 30.5 | 41.2 | |
| Protective service | | 110 | 9 | 27 | 74 | 342 | 38.7 | 42.3 | |
| Service, except private household and protective | | 3,684 | 480 | 505 | 2,699 | 5,105 | 33.9 | 40.7 | |
| Precision production, craft, and repair | | 222 | 100 | 59 | 120 | 922 | 39.8 | 42.5 | |
| Operators, fabricators, and laborers | 4,008 2,593 | 980 488 | 199 117 | 298 186 | 483 185 | 3,027 2,105 | 37.9 39.1 | 40.6 40.8 | |
| Transportation and material moving occupations | | 125 | 21 | 26 | 78 | 2,105 | 36.2 | 41.3 | |
| Handlers, equipment cleaners, helpers, and laborers | | 367 | 61 | 87 | 219 | 640 | 35.2 | 39.8 | |
| Handiers, equipment deaners, helpers, and laborers | 1,007 | 30, | 1 | l <i>"</i> | -'' | 070 | 33.2 | 33.0 | |

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

NOTE: Beginning in January 1999, data reflect revised population controls used in the household survey.

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

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

| Marital status, race, and age | | М | en | | Women | | | | |
|---------------------------------|----------------------|--------------|--------------|----------------|----------------------|--------------|--------------------|--------------|--|
| | Thousands of persons | | | loyment tes | Thousands of persons | | Unemployment rates | | |
| | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | |
| Total, 16 years and over | 3,003 | 2.842 | 4.0 | 3.8 | 3,170 | 2.984 | 5.0 | 4.6 | |
| Married, spouse present | 915 | 911 | 2.1 | 2.1 | 1,167 | 1.017 | 3.5 | 3.0 | |
| Widowed, divorced, or separated | 378 | 383 | 4.3 | 4.4 | 589 | 633 | 4.6 | 4.9 | |
| Single (never married) | 1,711 | 1,548 | 7.8 | 7.0 | 1,414 | 1,333 | 8.0 | 7.4 | |
| White, 16 years and over | 2,182 | 2,148 | 3.4 | 3.4 | 2,266 | 2.099 | 4.3 | 4.0 | |
| Married, spouse present | 746 | 759 | 1.9 | 2.0 | 983 | 835 | 3.4 | 2.8 | |
| Widowed, divorced, or separated | 278 | 289 | 3.9 | 4.0 | 426 | 463 | 4.2 | 4.5 | |
| Single (never married) | 1,157 | 1,100 | 6.5 | 6.1 | 856 | 801 | 6.5 | 6.0 | |
| Black, 16 years and over | 670 | 564 | 8.8 | 7.3 | 796 | 754 | 9.4 | 8.6 | |
| Married, spouse present | 125 | 116 | 3.8 | 3.4 | 132 | 123 | 5.0 | 4.4 | |
| Widowed, divorced, or separated | 78 | 87 | 6.3 | 7.2 | 153 | 149 | 6.8 | 6.6 | |
| Single (never married) | 466 | 361 | 15.3 | 11.8 | 512 | 483 | 14.0 | 12.9 | |
| Total, 25 years and over | 1,771 | 1,762 | 2.8 | 2.8 | 2,061 | 1,955 | 3.9 | 3.6 | |
| Married, spouse present | 879 | 855 | 2.1 | 2.0 | 1,038 | 897 | 3.3 | 2.8 | |
| Widowed, divorced, or separated | 352 | 362 | 4.1 | 4.3 | 542 | 593 | 4.4 | 4.7 | |
| Single (never married) | 540 | 546 | 4.8 | 4.8 | 480 | 465 | 5.5 | 5.3 | |
| White, 25 years and over | 1,334 | 1.358 | 2.5 | 2.5 | 1,507 | 1,417 | 3.5 | 3.2 | |
| Married, spouse present | 718 | 720 | 1.9 | 1.9 | 867 | 731 | 3.1 | 2.6 | |
| Widowed, divorced, or separated | 257 | 271 | 3.7 | 3.9 | 388 | 433 | 4.0 | 4.4 | |
| Single (never married) | 359 | 367 | 4.1 | 4.1 | 252 | 252 | 4.2 | 4.2 | |
| Black, 25 years and over | 345 | 312 | 5.6 | 5.0 | 477 | 447 | 6.9 | 6.2 | |
| Married, spouse present | 119 | 98 | 3.7 | 2.9 | 124 | 112 | 4.9 | 4.2 | |
| Widowed, divorced, or separated | 75 | 83 | 6.1 | 7.0 | 144 | 138 | 6.6 | 6.3 | |
| Single (never married) | 151 | 131 | 8.7 | 7.4 | 209 | 196 | 9.4 | 8.6 | |

NOTE: Beginning in 1999, data reflect revised population controls used in

the household survey.

A-29. Unemployed persons by occupation and sex

| | | ands of sons | | | Unemploy | ment rates | | |
|--|------------------------|------------------------|-------------|-------------|------------------|------------------|------------------|------------------|
| Occupation | То | ital | То | tal | М | en | Wor | men |
| | Aug. | Aug. | Aug. | Aug. | Aug. | Aug. | Aug. | Aug. |
| | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 | 1998 | 1999 |
| Total, 16 years and over ¹ | 6,173 | 5,826 | 4.5 | 4.2 | 4.0 | 3.8 | 5.0 | 4.6 |
| Managerial and professional specialty | 858 | 860 | 2.2 | 2.1 | 1.6 | 1.9 | 2.8 | 2.2 |
| | 356 | 396 | 1.8 | 2.0 | 1.5 | 1.8 | 2.3 | 2.2 |
| | 503 | 464 | 2.5 | 2.2 | 1.7 | 2.1 | 3.3 | 2.2 |
| Technical, sales, and administrative support | 1,509 | 1,443 | 3.7 | 3.6 | 2.9 | 2.7 | 4.2 | 4.0 |
| | 76 | 97 | 1.7 | 2.2 | 1.2 | 2.7 | 2.2 | 1.7 |
| | 748 | 663 | 4.4 | 3.9 | 3.1 | 2.4 | 5.8 | 5.3 |
| | 684 | 682 | 3.5 | 3.6 | 3.5 | 3.4 | 3.5 | 3.6 |
| Service occupations | 1,306 | 1,094 | 6.7 | 5.6 | 5.8 | 5.0 | 7.4 | 6.1 |
| | 89 | 83 | 10.0 | 9.1 | (²) | (²) | 10.5 | 8.9 |
| | 60 | 90 | 2.3 | 3.3 | 1.4 | 2.8 | 5.8 | 5.4 |
| | 1,157 | 921 | 7.3 | 5.8 | 7.5 | 5.8 | 7.2 | 5.9 |
| Precision production, craft, and repair Mechanics and repairers Construction trades Other precision production, craft, and repair | 606 | 628 | 4.1 | 4.2 | 3.9 | 3.8 | 5.6 | 7.7 |
| | 159 | 155 | 3.3 | 3.2 | 3.2 | 2.6 | 5.3 | 13.1 |
| | 268 | 327 | 4.5 | 5.3 | 4.4 | 5.2 | 10.1 | 10.3 |
| | 178 | 146 | 4.3 | 3.7 | 4.1 | 3.1 | 5.1 | 5.8 |
| Operators, fabricators, and laborers | 1,215 | 1,134 | 6.3 | 5.9 | 6.0 | 5.3 | 7.1 | 7.7 |
| | 415 | 421 | 5.1 | 5.5 | 4.5 | 4.3 | 6.0 | 7.4 |
| | 269 | 231 | 4.9 | 4.0 | 4.4 | 3.9 | 9.8 | 4.7 |
| | 531 | 481 | 9.3 | 8.1 | 9.5 | 7.7 | 8.5 | 9.9 |
| | 139 | 88 | 13.5 | 8.2 | 13.6 | 7.7 | (²) | (²) |
| | 392 | 393 | 8.4 | 8.1 | 8.3 | 7.7 | 8.4 | 9.6 |
| Farming, forestry, and fishing | 162 | 163 | 3.9 | 4.1 | 4.0 | 3.7 | 3.4 | 5.5 |
| No previous work experience | 506 340 81 85 | 477 331 76 70 | - - - | ~ - - | - - - | - - - - | - - - - | - - - |

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 1999, data reflect revised population controls used in the household survey.

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

A-30. Unemployed persons by industry and sex

| | | ands of sons | | | Unemploy | ment rates | _ | |
|--|--------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Industry | To | tal | То | tal | M | en | Wor | nen |
| | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| Total, 16 years and over | 6,173 | 5,826 | 4.5 | 4.2 | 4.0 | 3.8 | 5.0 | 4.6 |
| Nonagricultural private wage and salary workers | 4,851 | 4,448 | 4.6 | 4.1 | 4.2 | 3.8 | 5.0 | 4.6 |
| Mining | 23 | 26 | 3.7 | 4.2 | 3.9 | 3.8 | 2.7 | 7.3 |
| Construction | 407 | 453 | 5.6 | 6.0 | 5.8 | 5.8 | 4.3 | 7.7 |
| Manufacturing | 797 | 756 | 3.7 | 3.8 | 3.4 | 3.3 | 4.4 | 4.9 |
| Durable goods | 453 | 455 | 3.5 | 3.7 | 3.5 | 3.3 | 3.5 | 5.0 |
| Lumber and wood products | 46 | 50 | 5.7 | 6.2 | 6.2 | 6.4 | 3.0 | 5.5 |
| Furniture and fixtures | 36 | 32 | 4.8 | 4.9 | 4.5 | 4.2 | 5.6 | 6.5 |
| Stone, clay, and glass products | 17 | 23 | 2.7 | 3.7 | 2.7 | 3.5 | 2.5 | 4.1 |
| Primary metal industries | 46 | 19 | 5.7 | 2.5 | 6.4 | 2.6 | 2.5 | 2.0 |
| Fabricated metal products | 52 | 44 | 3.4 | 3.3 | 3.9 | 3.0 | 2.2 | 4.2 |
| Machinery and computing equipment | 78 | 86 | 3.1 | 3.6 | 3.3 | 3.6 | 2.4 | 3.4 |
| Electrical machinery, equipment, and supplies | 63 | 58 | 3.3 | 3.2 | 2.8 | 1.5 | 4.2 | 6.1 |
| Transportation equipment | 62 | 93 | 2.6 | 4.0 | 2.3 | 2.8 | 3.5 | 7.9 |
| Automobiles | 32 | 51 | 2.5 | 3.8 | 2.5 | 2.3 | 2.3 | 8.4 |
| Other transportation equipment | 30 | 42 | 2.7 | 4.3 | 2.1 | 3.4 | 4.9 | 7.1 |
| Professional and photographic equipment | 15 | 19 | 1.9 | 2.6 | .8 | 3.0 | 3.5 | 2.0 |
| Other durable goods industries | 38 | 30 | 5.1 | 4.2 | 5.0 | 4.1 | 5.2 | 4.3 |
| Nondurable goods | 344 | 301 | 4.1 | 3.8 | 3.2 | 3.2 | 5.4 | 4.7 |
| Food and kindred products | 87 | 75 | 5.0 | 4.3 | 4.7 | 3.3 | 5.8 | 6.0 |
| Textile mill products | 18 | 27 | 2.6 | 5.2 | 1.6 | 5.3 | 4.0 | 5.1 |
| Apparel and other textile products | 70 | 69 | 9.0 | 9.4 | 6.1 | 10.1 | 10.4 | 9.1 |
| Paper and allied products | 16 | 17 | 2.3 | 2.9 | 1.5 | 3.4 | 4.4 | 1.4 |
| Printing and publishing | 60 | 52 | 3.5 | 3.1 | 3.4 | 3.5 | 3.5 | 2.7 |
| Chemicals and allied products | 17 | 14 | 1.2 | 1.0 | 1.8 | .8 | .1 | 1.3 |
| Rubber and miscellaneous plastics products | 54 | 29 | 5.2 | 3.0 | 2.5 | 2.1 | 10.6 | 5.0 |
| Other nondurable goods industries | 21 | 19 | 5.7 | 5.7 | 5.4 | 4.5 | 6.3 | 8.5 |
| Transportation and public utilities | 274 | 261 | 3.7 | 3.3 | 3.5 | 3.2 | 4.3 | 3.5 |
| Transportation | 196 | 190 | 4.3 | 3.9 | 3.9 | 3.9 | 5.4 | 4.2 |
| Communications and other public utilities | 77 | 71 | 2.8 | 2.3 | 2.6 | 2.0 | 3.1 | 2.8 |
| Wholesale and retail trade | 1,483 | 1,271 | 5.5 | 4.7 | 4.7 | 4.0 | 6.3 | 5.4 |
| Wholesale trade | 188 | 168 | 3.6 | 3.3 | 3.0 | 2.6 | 4.9 | 4.5 |
| Retail trade | 1,296 | 1,104 | 5.9 | 5.0 | 5.3 | 4.4 | 6.5 | 5.6 |
| Finance, insurance, and real estate | 210 | 198 | 2.6 | 2.4 | 2.2 | 2.0 | 3.0 | 2.7 |
| Service industries | 1,658 | 1,482 | 4.8 | 4.1 | 4.3 | 3.8 | 5.0 | 4.3 |
| Professional services | 667 | 588 | 3.3 | 2.8 | 2.5 | 2.5 | 3.6 | 3.0 |
| Other service industries | 991 | 894 | 6.9 | 5.9 | 5.8 | 4.8 | 8.0 | 7.1 |
| Agricultural wage and salary workers | 120 | 148 | 4.9 | 6.6 | 4.4 | 6.0 | 6.3 | 8.4 |
| Government, self-employed, and unpaid family workers | 696 | 753 | 2.4 | 2.5 | 1.9 | 2.2 | 3.0 | 2.8 |
| No previous work experience | 506 | 477 | - | _ | - ' | - | - | _ |

NOTE: Beginning in January 1999, data reflect revised population controls

A-31. Unemployed persons by reason for unemployment, sex, age, and race

(Numbers in thousands)

| Reason | To 16 y and | ears | Me 20 y and | ears | Wor 20 y and | ears | Both sexes, 16 to 19 years | | White | | Bla | ack |
|--|---|---|--|--|--|---|--|--|---|---|---|---|
| | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| NUMBER OF UNEMPLOYED | | | | | | | | | | | | |
| Total unemployed | 6,173 2,715 782 1,932 1,342 590 795 2,157 506 | 5,826 2,559 784 1,775 1,250 525 866 1,925 477 | 2,359 1,399 320 1,079 776 303 292 588 80 | 2,299 1,314 346 968 691 277 361 584 41 | 2,639 1,135 421 714 514 199 383 1,036 86 | 2,475 1,112 404 707 507 200 339 919 105 | 1,175 181 42 140 51 88 120 534 340 | 1,051 133 34 100 52 48 167 421 331 | 4,448 2,026 622 1,404 988 417 617 1,487 318 | 4,246 1,922 633 1,289 935 354 701 1,310 314 | 1,466 586 135 452 293 159 144 585 151 | 523 118 405 258 147 141 513 |
| Job losers and persons who completed temporary jobs On temporary layoff Not on temporary layoff Job leavers Reentrants New entrants UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE | 44.0 12.7 31.3 12.9 34.9 8.2 | 43.9 13.5 30.5 14.9 33.0 8.2 | 59.3 13.6 45.8 12.4 24.9 3.4 | 57.1 15.0 42.1 15.7 25.4 1.8 | 43.0 16.0 27.0 14.5 39.3 3.3 | 44.9 16.3 28.6 13.7 37.1 4.3 | 15.4 3.5 11.9 10.2 45.4 29.0 | 12.7 3.2 9.5 15.9 40.0 31.4 | 45.6 14.0 31.6 13.9 33.4 7.1 | 45.3 14.9 30.3 16.5 30.8 7.4 | 40.0 9.2 30.8 9.8 39.9 10.3 | 39.7 8.9 30.8 10.7 38.9 10.7 |
| Job losers and persons who completed temporary jobs Job leavers | 2.0 .6 1.6 .4 | 1.8 .6 1.4 .3 | 2.0 .4 .8 .1 | 1.9 .5 .8 .1 | 1.9 .6 1.7 | 1.8 .6 1.5 .2 | 2.0 1.3 5.8 3.7 | 1.5 1.8 4.7 3.7 | 1.7 .5 1.3 .3 | 1.6 .6 1.1 .3 | 3.6 .9 3.6 .9 | 3.2 .9 3.1 .9 |

NOTE: Beginning in January 1999, data reflect revised population controls

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

(Percent distribution)

| | August 1999 | | | | | | | | | | | |
|--|---|---|--|--|--|--|--|--|--|--|--|--|
| | Total une | employed | | Duratio | on of unemplo | yment | | | | | | |
| Reason, sex, and age | Theysands | | Loss than | E to 14 | 15 | weeks and o | ver | | | | | |
| | Thousands of persons | Percent | Less than 5 weeks | 5 to 14 weeks | Total | reeks and ov 15 to 26 weeks 10.9 13.0 5.7 16.3 17.4 13.5 8.0 9.2 11.1 10.9 11.3 5.3 13.5 14.5 11.0 12.9 (1) 12.2 16.2 6.5 21.8 23.2 18.2 8.8 8.9 9.3 | 27 weeks and over | | | | | |
| Total, 16 years and over Job losers and persons who completed temporary jobs On temporary layoff Not on temporary layoff Permanent job losers Persons who completed temporary jobs Job leavers Reentrants New entrants | 2,559 784 1,775 1,250 525 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 | 42.9 43.3 49.4 40.6 37.7 47.6 55.5 41.0 25.1 | 33.9 31.7 39.2 28.3 30.8 22.3 29.6 34.9 50.0 | 23.2 25.0 11.4 31.1 31.5 30.1 14.9 24.1 24.9 | 13.0 5.7 16.3 17.4 13.5 8.0 9.2 | 12.3 12.0 5.7 14.8 14.1 16.5 7.0 14.9 13.8 | | | | | |
| Men, 20 years and over Job losers and persons who completed temporary jobs On temporary layoff Not on temporary layoff Permanent job losers Persons who completed temporary jobs Job leavers Reentrants New entrants | 1,314 346 968 691 277 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 | 42.4 44.0 57.3 39.2 35.2 49.2 55.9 32.0 | 29.3 29.5 31.3 28.8 31.7 21.6 28.0 29.4 | 28.4 26.5 11.4 31.9 33.1 29.2 16.1 38.6 | 11.3 5.3 13.5 14.5 11.0 7.1 12.9 | 17.5 15.2 6.1 18.5 18.6 18.2 9.0 25.6 | | | | | |
| Women, 20 years and over Job losers and persons who completed temporary jobs On temporary layoff Not on temporary layoff Permanent job losers Persons who completed temporary jobs Job leavers Reentrants New entrants | 1,112 404 707 507 200 339 919 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 | 41.4 38.8 40.1 38.1 37.0 41.0 48.8 43.7 24.6 | 35.3 35.5 47.7 28.6 30.3 24.0 34.2 35.0 40.2 | 23.3 25.7 12.3 33.3 32.7 34.9 17.0 21.4 35.2 | 16.2 6.5 21.8 23.2 18.2 8.8 8.9 | 11.1 9.4 5.8 11.5 9.4 16.8 8.2 12.5 25.8 | | | | | |
| Both sexes, 16 to 19 years Job losers and persons who completed temporary jobs On temporary layoff Not on temporary layoff Permanent job losers Persons who completed temporary jobs Job leavers Reentrants New entrants | 133 34 100 52 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 | 47.5 73.6 (1) 71.5 (1) (1) 68.3 47.8 26.1 | 40.8 21.2 (1) 21.4 (1) (1) 23.5 42.4 55.3 | 11.7 5.3 (1) 7.1 (1) (1) (1) 8.2 9.8 18.7 | 7.7 3.1 (1) 4.2 (1) (1) (1) 8.2 4.7 13.0 | 4.1 2.1 (1) 2.9 (1) (1) (1) - 5.1 5.6 | | | | | |

¹ Data not shown where base is less than 75,000.
NOTE: Beginning in January 1999, data reflect revised population controls

used in the household survey.

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

| | | То | tal | | | Full-time | workers | | |
|----------------------------------|----------------|----------------|---------------|---------------|----------------|----------------|----------------------|--------------|--|
| Duration of unemployment | Thousands | of persons | Percent d | istribution | Thousands | of persons | Percent distribution | | |
| | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | |
| Total, 16 years and over | 6,173 | 5,826 | 100.0 40.6 | 100.0 42.9 | 4,932 | 4,768 | 100.0 37.5 | 100.0 | |
| ess than 5 weeksto 14 weeks | 2,509 2,150 | 2,498 1,976 | 34.8 | 33.9 | 1,849 1,751 | 1,918 1.623 | 37.5 35.5 | 40.2 34.0 | |
| 5 to 10 weeks | 1,477 | 1,424 | 23.9 | 24.4 | 1,180 | 1,144 | 23.9 | 24.0 | |
| 11 to 14 weeks | 673 | 552 | 10.9 | 9.5 | 571 | 479 | 11.6 | 10.0 | |
| 5 weeks and over | 1,514 | 1,352 | 24.5 | 23.2 | 1,331 | 1,227 | 27.0 | 25.7 | |
| 15 to 26 weeks | 679 | 633 | 11.0 | 10.9 | 582 | 566 | 11.8 | 11.9 | |
| 27 weeks and over | 835 | 719 | 13.5 | 12.3 | 749 | 662 | 15.2 | 13.9 | |
| 27 to 51 weeks | 397 | 352 | 6.4 | 6.0 | 374 | 340 | 7.6 | 7.1 | |
| 52 weeks and over | 438 | 367 | 7.1 | 6.3 | 375 | 321 | 7.6 | 6.7 | |
| verage (mean) duration, in weeks | 13.7 | 13.1 | _ | _ | 14.6 | 14.2 | _ | _ | |
| ledian duration, in weeks | 7.0 | 6.7 | _ | _ | 7.7 | 7.4 | _ | - | |

NOTE: Beginning in January 1999, data reflect revised population controls

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

| | | | | Augus | st 1999 | | | _ |
|------------------------------------|-------|-----------------|-----------|------------|-------------------|----------------------|--------------------|----------|
| _ | | | Thousands | of persons | | | We | eks |
| Sex, age, race, and marital status | | Less | 5 to 14 | 15 | weeks and o | ver | Average | Median |
| | Total | than 5 weeks | weeks | Total | 15 to 26 weeks | 27 weeks and over | (mean) duration | duration |
| TOTAL | | | | | | | | |
| Total, 16 years and over | 5,826 | 2,498 | 1,976 | 1,352 | 633 | 719 | 13.1 | 6.7 |
| 16 to 19 years | 1,051 | 499 | 429 | 123 | 81 | 43 | 8.1 | 5.1 |
| 20 to 24 years | 1,057 | 526 | 350 | 180 | 91 | 89 | 10.6 | 4.6 |
| 25 to 34 years | 1,253 | 532 | 403 | 318 | 163 | 155 | 13.3 | 7.2 |
| 35 to 44 years | 1,231 | 507 | 396 | 327 | 144 | 183 | 14.8 | 7.3 |
| 45 to 54 years | 742 | 276 | 225 | 242 | 93 | 149 | 17.4 | 7.9 |
| 55 to 64 years | 370 | 117 | 130 | 123 | 51 | 71 ' | 18.2 | 8.9 |
| 65 years and over | 121 | 40 | 43 | 39 | 10 | 29 | 19.4 | 8.6 |
| Men, 16 years and over | 2,842 | 1,223 | 899 | 720 | 301 | 419 | 14.6 | 6.9 |
| 16 to 19 years | 543 | 249 | 226 | 68 | 50 | 17 | 8.1 | 5.6 |
| 20 to 24 years | 537 | 282 | 162 | 92 | 38 | 54 | 11.3 | 4.3 |
| 25 to 34 years | 608 | 271 | 168 | 169 | 81 | 88 | 13.9 | 6.6 |
| , | 535 | 209 | 170 | 156 | 54 | 102 | 18.4 | 7.9 |
| 35 to 44 years | 354 | 124 | 95 | 135 | 41 | 94 | 20.6 | 9.0 |
| 45 to 54 years | 187 | 63 | 53 | 70 | 28 | | | |
| 55 to 64 years | - | | | | | 42 | 20.2 | 9.3 |
| 65 years and over | 79 | 24 | 25 | 30 | 9 | 22 | 20.0 | 10.5 |
| Women, 16 years and over | 2,984 | 1,275 | 1,077 | 632 | 332 | 300 | 11.8 | 6.6 |
| 16 to 19 years | 508 | 250 | 202 | 56 | 30 | 26 | 8.1 | 4.7 |
| 20 to 24 years | 520 | 244 | 188 | .88 | 52 | 35 | 9.8 | 5.3 |
| 25 to 34 years | 646 | 261 | 235 | 149 | 83 | 67 | 12.7 | 7.7 |
| 35 to 44 years | 697 | 298 | 227 | 172 | 91 | 81 | 12.0 | 6.8 |
| 45 to 54 years | 388 | 151 | 130 | 107 | 52 | 55 | 14.5 | 7.2 |
| 55 to 64 years | 183 | 54 | 76 | 53 | 23 | 29 | 16.1 | 8.5 |
| 65 years and over | 43 | 16 | 18 | 8 | 1 | 7 | (1) | (1) |
| Race | | | | | | | | |
| White, 16 years and over | 4,246 | 1,930 | 1,397 | 920 | 408 | 512 | 12.4 | 5.9 |
| Men | 2,148 | 955 | 674 | 520 | 198 | 321 | 13.9 | 6.5 |
| Women | 2,099 | 975 | 723 | 400 | 210 | 191 | 10.8 | 5.4 |
| Black, 16 years and over | 1,318 | 467 | 475 | 376 | 188 | 188 | 16.1 | 8.6 |
| Men | 564 | 214 | 187 | 162 | 79 | 83 | 17.6 | 8.0 |
| Women | 754 | 253 | 287 | 214 | 109 | 105 | 15.0 | 9.0 |
| Marital status | | | | | | | | |
| Men, 16 years and over: | | | | | | | | |
| Married, spouse present | 911 | 391 | 261 | 260 | 105 | 154 | 15.6 | 7.0 |
| Widowed, divorced, or separated | 383 | 150 | 97 | 136 | 49 | 88 | 18.6 | 8.6 |
| Single (never married) | 1,548 | 683 | 541 | 324 | 147 | 177 | 12.9 | 6.5 |
| Women, 16 years and over: | | | | | | | | |
| Married, spouse present | 1,017 | 415 | 399 | 203 | 125 | 77 | 10.7 | 6.7 |
| Widowed, divorced, or separated | 633 | 279 | 196 | 158 | 66 | 91 | 14.1 | 6.2 |
| Single (never married) | 1,333 | 580 | 481 | 272 | 140 | 131 | 11.5 | 6.6 |
| 5 (| .,500 | | , | | '70 | ''' | 11.5 | 0.0 |

¹ Data not shown where base is less than 75,000. NOTE: Beginning in January 1999, data reflect revised population controls

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

| | | | | Augus | t 1999 | | | |
|---|--|--|---|---|---|---|---|--|
| | | | Thousands | of persons | | | We | eks |
| Occupation and industry | | Less | | 15 | weeks and o | ver | Average | |
| | Total | than 5 weeks | 5 to 14 weeks | Total | 15 to 26 weeks | 27 weeks and over | (mean) duration | Median duration |
| OCCUPATION | | | | | | | | 1 |
| Managerial and professional specialty Technical, sales, and administrative support Service occupations | 860 1,443 1,094 | 329 624 466 | 330 494 385 | 201 324 243 | 80 178 109 | 122 146 134 | 13.7 11.7 12.5 | 7.4 6.7 6.8 |
| Precision production, craft, and repair Operators, fabricators, and laborers Farming, forestry, and fishing | 628 1,134 163 | 310 553 77 | 174 304 46 | 144 277 39 | 77 124 10 | 66 153 29 | 12.6 14.2 14.4 | 4.8 5.0 5.1 |
| INDUSTRY ¹ | | | | | • | 1 | | |
| Agriculture Construction Manufacturing Durable goods Nondurable goods Transportation and public utilities Wholesale and retail trade Finance, insurance, and real estate Services Public administration | 148 458 758 455 303 282 1,285 199 1,783 129 | 70 220 347 216 132 130 559 104 765 41 | 49 136 204 109 95 82 464 54 633 45 | 29 101 207 130 76 70 262 40 385 43 | 9 47 99 69 30 33 132 26 191 | 19 54 108 61 47 36 130 14 194 | 11.6 12.2 15.0 14.9 15.2 12.1 11.7 8.9 12.4 19.4 | 5.5 5.5 6.6 6.1 6.9 5.9 6.1 4.3 6.7 9.0 |
| No previous work experience | 477 | 120 | 238 | 119 | 53 | 66 | 16.2 | 8.4 |

¹ Includes wage and salary workers only. NOTE: Beginning in January 1999, data reflect revised population controls

used in the household survey.

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

(In thousands)

| | То | tal | | | Ą | је | | | | Se | €X | |
|---|--|---|---|--|---|------------------------|---------------------|---|-----------------------|---|---|---|
| Category | Aug. | Aug. | 16 to | | 25 to | | 55 y and | ears over | М | en | Wor | men |
| | 1998 | 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| Total not in the labor force | 61,920 5,180 3,274 1,907 655 1,251 280 | 67,948 63,206 4,742 3,040 1,702 568 1,134 265 869 | 10,211 8,447 1,765 1,039 725 259 466 99 368 | 10,732 9,047 1,685 977 708 240 468 122 346 | 19,033 16,512 2,521 1,547 974 355 619 130 489 | | | 37,929 37,045 884 713 172 37 134 26 108 | | 24,674 22,810 1,863 1,146 717 192 525 153 372 | 42,748 39,560 3,188 2,058 1,130 459 671 112 559 | 43,275 40,396 2,879 1,894 985 377 609 112 497 |
| Family responsibilities In school or training III health or disability Other ⁴ | 166 147 | 140 143 77 510 | 42 115 20 191 | 27 | 114 32 54 289 | 107 37 44 226 | 11 - 21 82 | 5 - 28 70 | 22 59 52 280 | 25 66 44 236 | 145 88 43 283 | 114 77 32 273 |

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 1999, data reflect revised population controls used in the household survey.

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

(Numbers in thousands)

| | | Both | sexes | | } | M | en | | | Woi | men | |
|--|--------------|--------------|--------------|-----------------|--------------|--------------|--------------|-----------------|--------------|--------------|--------------|------------------|
| Characteristic | Nun | nber | Ra | te ¹ | Nun | nber | Ra | te ¹ | Nun | nber | Ra | ıte ¹ |
| • | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 |
| AGE | | | | | | | | | | | | |
| Total, 16 years and over ² | 7,462 | 7,298 | 5.6 | 5.4 | 4,015 | 3,909 | 5.6 | 5.4 | 3,447 | 3,389 | 5.7 | 5.5 |
| 16 to 19 years | 431 | 488 | 5.4 | 6.1 | 173 | 239 | 4.2 | 5.8 | 258 | 250 | 6.6 | 6.5 |
| 20 years and over | 7,031 | 6,810 | 5.7 | 5.4 | 3,842 | 3,671 | 5.7 | 5.4 | 3,189 | 3,139 | 5.6 | 5.4 |
| 20 to 24 years | 756 | 718 | 5.9 | 5.4 | 378 | 316 | 5.5 | 4.5 | 378 | 402 | 6.4 | 6.5 |
| 25 years and over | | 6,092 | 5.6 | 5.4 | 3,464 | 3,355 | 5.7 | 5.5 | 2,812 | 2,737 | 5.5 | 5.3 |
| 25 to 54 years | 5,537 | 5,352 | 5.8 | 5.6 | 3,043 | 2,915 | 5.9 | 5.6 | 2,494 | 2,437 | 5.7 | 5.5 |
| 55 years and over | 738 | 740 | 4.5 | 4.3 | 421 | 439 | 4.6 | 4.6 | 317 | 301 | 4.4 | 3.9 |
| 55 to 64 years | 648 | 604 | 5.1 | 4.5 | 359 | 361 | 5.1 | 5.0 | 290 | 243 | 5.0 | 4.0 |
| 65 years and over | 90 | 136 | 2.5 | 3.5 | 63 | 78 | 3.0 | 3.5 | 27 | 58 | 1.8 | 3.6 |
| RACE AND HISPANIC ORIGIN | | | | | | | | | | | | |
| White | 6.386 | 6,184 | 5.7 | 5.5 | 3,484 | 3.339 | 5.7 | 5.4 | 2.903 | 2.845 | 5.8 | 5.6 |
| Black | 783 | 802 | 5.3 | 5.3 | 380 | 390 | 5.5 | 5.5 | 403 | 413 | 5.2 | 5.1 |
| Hispanic origin | 451 | 456 | 3.4 | 3.3 | 269 | 264 | 3.3 | 3.2 | 181 | 191 | 3.4 | 3.4 |
| MARITAL STATUS | | | | | | | | | | | | |
| Married, spouse present | 3,945 | 3,879 | 5.3 | 5.1 | 2,444 | 2,382 | 5.7 | 5.5 | 1,501 | 1,497 | 4.7 | 4.5 |
| Widowed, divorced, or separated | | 1,252 | 6.5 | 6.1 | 495 | 472 | 5.9 | 5.6 | 837 | 780 | 6.9 | 6.4 |
| Single (never married) | 2,184 | 2,167 | 6.0 | 5.8 | 1.076 | 1.056 | 5.3 | 5.1 | 1,109 | 1,112 | 6.8 | 6.7 |
| Oligio (Novo: Marrios) | 2,.0. | _,,,,,, | 0.0 | 0.0 | 1,010 | ',,,,, | 0.0 | 0., | ','' | ','.'- | 0.0 | " |
| FULL- OR PART-TIME STATUS | | | | | | | | | | | | |
| Primary job full time, secondary job part time | 4,344 | 3,992 | - | _ | 2,541 | 2,350 | _ | _ | 1,803 | 1,641 | - | - |
| Primary and secondary jobs both part time | 1,408 | 1,514 | - | - | 469 | 499 | - | - | 939 | 1,014 | - | - |
| Primary and secondary jobs both full time | 271 | 332 | - | - | 184 | 260 | - | - | 87 | 72 | - | - |
| Hours vary on primary or secondary job | 1,384 | 1,418 | - | _ | 796 | 777 | - | - | 588 | 641 | - | - |

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

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 1999, data reflect revised population controls used in the household survey.

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

HOUSEHOLD DATA NOT SEASONALLY ADJUSTED

A-38. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

| | Civi noninst popu | | Civilian labor force | | | | | | | | | | |
|--------------------------|--|--|--|--|--|--|------------------------------------|------------------------------------|--|----------------------------------|--|--|--|
| Veteran status | | | То | tal | Employed | | Unemployed | | | | | | |
| and age | Aug. 1998 | Aug. 1999 | | Aug. | Aug. | Aug. | Num | nber | Percent of labor force | | | | |
| | | | 1998 | 1999 | 1998 | 1999 | Aug. 1998 | Aug. 1999 | Aug. 1998 | Aug. 1999 | | | |
| VIETNAM-ERA VETERANS | | | | | | | | | | | | | |
| Total, 40 years and over | 7,804 5,924 700 2,175 3,049 1,880 | 7,754 5,435 486 1,826 3,123 2,319 | 6,537 5,301 632 1,940 2,729 1,236 | 6,331 4,742 415 1,594 2,733 1,589 | 6,366 5,152 607 1,877 2,667 1,215 | 6,175 4,616 403 1,543 2,670 1,559 | 171 149 25 63 61 22 | 156 126 12 52 62 30 | 2.6 2.8 4.0 3.2 2.3 1.8 | 2. 2. 3. 3. 2. 1. | | | |
| NONVETERANS | | | | | | | | | | | | | |
| Total, 40 to 54 years | 20,343 9,217 6,923 4,203 | 21,468 9,464 7,398 4,606 | 18,373 8,484 6,281 3,609 | 19,411 8,769 6,713 3,929 | 17,935 8,258 6,164 3,512 | 18,947 8,535 6,564 3,848 | 439 226 117 96 | 464 234 149 81 | 2.4 2.7 1.9 2.7 | 2. 2. 2. 2. | | | |

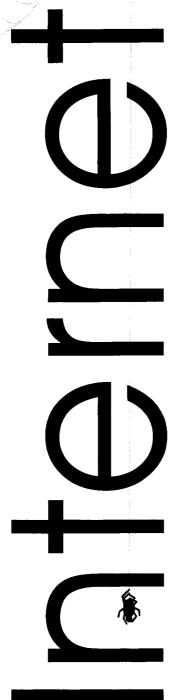
NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who

have never served in the Armed Forces. Beginning in January 1999, data reflect revised population controls 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.gov |
|--|------------------------------------|
| Division of Information Services | http://stats.bls.gov/opbinfo.htm |
| BLS Regional Offices | http://stats.bls.gov/regnhome.htm |
| From the contract and the complex manner. | |
| Employment and Unemployment: | |
| Employment, hours, and earnings by industry | http://utata.hla.gov/govhama.htm |
| National | http://stats.bls.gov/ceshome.htm |
| State and area | http://stats.bls.gov/790home.htm |
| National labor force statistics | http://stats.bls.gov/cpshome.htm |
| Region, State, and metropolitan area | 1 |
| labor force data | http://stats.bls.gov/lauhome.htm |
| Longitudinal research | http://stats.bls.gov/nlshome.htm |
| Covered employment and wages | http://stats.bls.gov/cewhome.htm |
| Occupational employment statistics | http://stats.bls.gov/oeshome.htm |
| Mass layoff statistics | http://stats.bls.gov/lauhome.htm |
| Prices and Living Conditions: | |
| Consumer price indexes | http://stats.bls.gov/cpihome.htm |
| Producer price indexes | http://stats.bls.gov/ppihome.htm |
| Consumer Expenditure Survey | http://stats.bls.gov/csxhome.htm |
| Compensation and Working Conditions: | |
| National Compensation Survey | http://stats.bls.gov/comhome.htm |
| Collective bargaining | http://stats.bls.gov/cbahome.htm |
| Employment cost trends | http://stats.bls.gov/ecthome.htm |
| Employee Benefits Survey | http://stats.bls.gov/ebshome.htm |
| Occupational Compensation Survey | http://stats.bls.gov/ocshome.htm |
| | http://stats.bls.gov/ocshome.htm |
| Safety and health | http://stats.bis.gov/osnnome.htm |
| Productivity: | |
| Quarterly labor productivity | http://stats.bls.gov/lprhome.htm |
| Industry productivity | http://stats.bls.gov/iprhome.htm |
| Multifactor productivity | http://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 |
| ons, import and export price indexes minimum | mp., states on go wippinone intili |



ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

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

(in thousands)

| | | | | Goods-p | oroducing | | | | | Se | rvice-produc | ing | | | |
|---|---|---|--|--|---|--|---|---|---|--|---|--|---|---|--|
| Year and month | Total | Total private | Total | Mining | Construc- tion | Manufac- turing | Total | Transpor- tation and public utilities | Whole- sale trade | Retail trade | Finance, insurance, and real estate | Services | Federal | Governmen State | t Local |
| | | | | | L | | A | nnual avera | ıges | | esiale | <u> </u> | | | |
| 1947 | 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) |
| 1948 | 44,866 | 39,216 | 18,774 | 994 | 2,198 | 15,582 | 26,092 | 4,189 | 2,612 | 6,659 | 1,800 | 5,181 | 1,863 | (1) | (1) |
| 1949 | 43,754 | 37,897 | 17,565 | 930 | 2,194 | 14,441 | 26,189 | 4,001 | 2,610 | 6,654 | 1,828 | 5,239 | 1,908 | (1) | (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) |
| | 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) |
| | 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) |
| | 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) |
| | 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) |
| | 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 |
| | 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 |
| | 52,855 | 45,239 | 20,967 | 828 | 2,962 | 17,176 | 31,889 | 4,241 | 3,037 | 7,848 | 2,438 | 6,708 | 2,217 | 1,328 | 4,071 |
| | 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 |
| | 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 | 712 | 2,926 | 16,796 | 33,755 | 4,004 | 3,153 | 8,238 | 2,628 | 7,378 | 2,270 | 1,536 | 4,547 |
| | 53,999 | 45,404 | 19,857 | 672 | 2,859 | 16,326 | 34,142 | 3,903 | 3,142 | 8,195 | 2,688 | 7,619 | 2,279 | 1,607 | 4,708 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 | 70,880 | 58,325 | 23,578 | 623 | 3,588 | 19,367 | 47,302 | 4,515 | 4,006 | 11,034 | 3,645 | 11,548 | 2,731 | 2,664 | 7,158 |
| 1971 | 71,211 | 58,331 | 22,935 | 609 | 3,704 | 18,623 | 48,276 | 4,476 | 4,014 | 11,338 | 3,772 | 11,797 | 2,696 | 2,747 | 7,437 |
| 1972 | 73,675 | 60,341 | 23,668 | 628 | 3,889 | 19,151 | 50,007 | 4,541 | 4,127 | 11,822 | 3,908 | 12,276 | 2,684 | 2,859 | 7,790 |
| 1973 | 76,790 | 63,058 | 24,893 | 642 | 4,097 | 20,154 | 51,897 | 4,656 | 4,291 | 12,315 | 4,046 | 12,857 | 2,663 | 2,923 | 8,146 |
| 1974 | 78,265 | 64,095 | 24,794 | 697 | 4,020 | 20,077 | 53,471 | 4,725 | 4,447 | 12,539 | 4,148 | 13,441 | 2,724 | 3,039 | 8,407 |
| 1975 | 76,945 | 62,259 | 22,600 | 752 | 3,525 | 18,323 | 54,345 | 4,542 | 4,430 | 12,630 | 4,165 | 13,892 | 2,748 | 3,179 | 8,758 |
| 1976 | 79,382 | 64,511 | 23,352 | 779 | 3,576 | 18,997 | 56,030 | 4,582 | 4,562 | 13,193 | 4,271 | 14,551 | 2,733 | 3,273 | 8,865 |
| 1977 | 82,471 | 67,344 | 24,346 | 813 | 3,851 | 19,682 | 58,125 | 4,713 | 4,723 | 13,792 | 4,467 | 15,302 | 2,727 | 3,377 | 9,023 |
| 1978 | 86,697 | 71,026 | 25,585 | 851 | 4,229 | 20,505 | 61,113 | 4,923 | 4,985 | 14,556 | 4,724 | 16,252 | 2,753 | 3,474 | 9,446 |
| 1979 | 89,823 | 73,876 | 26,461 | 958 | 4,463 | 21,040 | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 | 3,832 | 9,901 |
| | 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 |
| | 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 |
| | 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 | 109,403 108,249 108,601 110,713 114,163 117,191 119,608 122,690 125,826 | 91,098 89,847 89,956 91,872 95,036 97,885 100,189 103,133 106,007 | 24,905 23,745 23,231 23,352 23,908 24,265 24,493 24,962 25,347 | 709 689 635 610 601 581 580 596 | 5,120 4,650 4,492 4,668 4,986 5,160 5,418 5,691 5,985 | 19,076 18,406 18,104 18,075 18,321 18,524 18,495 18,675 18,772 | 84,497 84,504 85,370 87,361 90,256 92,925 95,115 97,727 100,480 | 5,777 5,755 5,718 5,811 5,984 6,132 6,253 6,408 6,600 | 6,173 6,081 5,997 5,981 6,162 6,378 6,482 6,648 6,831 | 19,601 19,284 19,356 19,773 20,507 21,187 21,597 21,966 22,296 | 6,709 6,646 6,602 6,757 6,896 6,806 6,911 7,109 7,407 | 27,934 28,336 29,052 30,197 31,579 33,117 34,454 36,040 37,526 | 3,085 2,966 2,969 2,915 2,870 2,822 2,757 2,699 2,686 | 4,305 4,355 4,408 4,488 4,576 4,635 4,606 4,582 4,612 | 10,914 11,081 11,267 11,438 11,682 11,849 12,056 12,276 12,521 |
| | | | | | | | Monthly d | ata, season | ally adjuste | d | T | r | | | |
| 1998: August September October November December | 126,170 | 106,301 | 25,344 | 585 | 6,005 | 18,754 | 100,826 | 6,625 | 6,846 | 22,353 | 7,445 | 37,688 | 2,688 | 4,633 | 12,548 |
| | 126,361 | 106,470 | 25,333 | 583 | 6,009 | 18,741 | 101,028 | 6,637 | 6,871 | 22,382 | 7,467 | 37,780 | 2,689 | 4,647 | 12,555 |
| | 126,567 | 106,654 | 25,306 | 578 | 6,042 | 18,686 | 101,261 | 6,657 | 6,876 | 22,392 | 7,494 | 37,929 | 2,711 | 4,633 | 12,569 |
| | 126,841 | 106,893 | 25,298 | 574 | 6,085 | 18,639 | 101,543 | 6,671 | 6,891 | 22,443 | 7,520 | 38,070 | 2,723 | 4,637 | 12,588 |
| | 127,186 | 107,213 | 25,354 | 570 | 6,173 | 18,611 | 101,832 | 6,684 | 6,901 | 22,525 | 7,542 | 38,207 | 2,701 | 4,652 | 12,620 |
| January February March April May June July ^p August ^p | 127,378 | 107,386 | 25,315 | 560 | 6,170 | 18,585 | 102,063 | 6,708 | 6,924 | 22,556 | 7,570 | 38,313 | 2,702 | 4,644 | 12,646 |
| | 127,730 | 107,676 | 25,329 | 553 | 6,238 | 18,538 | 102,401 | 6,723 | 6,937 | 22,648 | 7,581 | 38,458 | 2,713 | 4,670 | 12,671 |
| | 127,813 | 107,726 | 25,285 | 550 | 6,232 | 18,503 | 102,528 | 6,732 | 6,947 | 22,611 | 7,595 | 38,556 | 2,710 | 4,680 | 12,697 |
| | 128,134 | 108,035 | 25,288 | 538 | 6,277 | 18,473 | 102,846 | 6,750 | 6,965 | 22,724 | 7,611 | 38,697 | 2,688 | 4,688 | 12,723 |
| | 128,162 | 108,085 | 25,199 | 531 | 6,239 | 18,429 | 102,963 | 6,758 | 6,977 | 22,748 | 7,621 | 38,782 | 2,666 | 4,677 | 12,734 |
| | 128,443 | 108,338 | 25,180 | 526 | 6,258 | 18,396 | 103,263 | 6,781 | 6,993 | 22,796 | 7,636 | 38,952 | 2,664 | 4,675 | 12,766 |
| | 128,781 | 108,625 | 25,248 | 529 | 6,272 | 18,447 | 103,533 | 6,797 | 7,011 | 22,895 | 7,644 | 39,030 | 2,657 | 4,683 | 12,816 |
| | 128,905 | 108,702 | 25,153 | 526 | 6,243 | 18,384 | 103,752 | 6,809 | 7,031 | 22,892 | 7,655 | 39,162 | 2,659 | 4,701 | 12,843 |

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1998) and all seasonally adjusted data (beginning January 1995) are subject to revision.

 $^{^1}$ 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.

p = preliminary.

B-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date

| ., [| | Total private ¹ | | | Mining | | | Construction | l |
|--------------------|-----------------|----------------------------|--------------------|-----------------|--------------------|--------------------|-----------------|--------------------|--------------------|
| Year and month | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings |
| | | | | | Annual averag | jes | | | |
| 964 | 38.7 | \$2.36 | \$91.33 | 41.9 | \$2.81 | \$117.74 | 37.2 | \$3.55 | \$132.06 |
| 965 | 38.8 | 2.46 | 95.45 | 42.3 | 2.92 | 123.52 | 37.4 | 3.70 | 138.38 |
| 066 | 38.6 | 2.56 | 98.82 | 42.7 | 3.05 | 130.24 | 37.6 | 3.89 | 146.26 |
| 67 | 38.0 | 2.68 | 101.84 | 42.6 | 3.19 | 135.89 | 37.7 | 4.11 | 154.95 |
| 68 | 37.8 | 2.85 | 107.73 | 42.6 | 3.35 | 142.71 | 37.3 | 4.41 | 164.49 |
| 69 | 37.7 | 3.04 | 114.61 | 43.0 | 3.60 | 154.80 | 37.9 | 4.79 | 181.54 |
| 70 | 37.1 | 3.23 | 119.83 | 42.7 | 3.85 | 164.40 | 37.3 | 5.24 | 195.45 |
| 71 | 36.9 | 3.45 | 127.31 | 42.4 | 4.06 | 172.14 | 37.2 | 5.69 | 211.67 |
| 72 | 37.0 | 3.70 | 136.90 | 42.6 | 4.44 | 189.14 | 36.5 | 6.06 | 221.19 |
| 73 | 36.9 | 3.94 | 145.39 | 42.4 | 4.75 | 201.40 | 36.8 | 6.41 | 235.89 |
| 74 | 36.5 | 4.24 | 154.76 | 41.9 | 5.23 | 219.14 | 36.6 | 6.81 | 249.25 |
| 75 | 36.1 | 4.53 | 163.53 | 41.9 | 5.95 | 249.31 | 36.4 | 7,31 | 266.08 |
| | 36.1 | 4.86 | 175.45 | 42.4 | 6.46 | 273.90 | 36.8 | 7.71 | 283.73 |
| 76 | | 1 | 189.00 | 43.4 | 6.94 | 301.20 | 36.5 | 8.10 | 295.65 |
| 77 | 36.0 | 5.25 | | | | | | | 1 |
| 78 | 35.8 | 5.69 | 203.70 | 43.4 43.0 | 7.67 8.49 | 332.88 365.07 | 36.8 37.0 | 8.66 9.27 | 318.69 342.99 |
| 79 | 35.7 | 6.16 | 219.91 | 43.0 | 8.49 | 305.07 | 37.0 | 9.27 | 342.99 |
| 80 | 35.3 | 6.66 | 235.10 | 43.3 | 9.17 | 397.06 | 37.0 | 9.94 | 367.78 |
| 81 | 35.2 | 7.25 | 255.20 | 43.7 | 10.04 | 438.75 | 36.9 | 10.82 | 399.26 |
| 32 | 34.8 | 7.68 | 267.26 | 42.7 | 10.77 | 459.88 | 36.7 | 11.63 | 426.82 |
| 33 | 35.0 | 8.02 | 280.70 | 42.5 | 11,28 | 479.40 | 37.1 | 11.94 | 442.97 |
| 34 | 35.2 | 8.32 | 292.86 | 43.3 | 11.63 | 503.58 | 37.8 | 12.13 | 458.51 |
| 35 | 34.9 | 8.57 | 299.09 | 43.4 | 11.98 | 519.93 | 37.7 | 12.32 | 464.46 |
| 36 | 34.8 | 8.76 | 304.85 | 42.2 | 12.46 | 525.81 | 37.4 | 12.48 | 466.75 |
| 37 | 34.8 | 8.98 | 312.50 | 42.4 | 12.54 | 531.70 | 37.8 | 12.71 | 480.44 |
| | | 1 | 322.02 | 42.4 | 12.80 | 541.44 | 37.9 | 13.08 | 495.73 |
| 39 | 34.7 34.6 | 9.28 9.66 | 334.24 | 43.0 | 13.26 | 570.18 | 37.9 | 13.54 | 513.17 |
| | 04.5 | 10.04 | 045.05 | 44.4 | 10.00 | 602.20 | 38.2 | 13.77 | 526.01 |
| 90 | 34.5 | 10.01 | 345.35 | 44.1 | 13.68 | 603.29 | | 1 | 1 |
| 91 | 34.3 | 10.32 | 353.98 | 44.4 | 14.19 | 630.04 | 38.1 | 14.00 | 533.40 |
| 92 | 34.4 | 10.57 | 363.61 | 43.9 | 14.54 | 638.31 | 38.0 | 14.15 | 537.70 |
| 93 | 34.5 | 10.83 | 373.64 | 44.3 | 14.60 | 6 46 .78 | 38.5 | 14.38 | 553.63 |
| 94 | 34.7 | 11.12 | 385.86 | 44.8 | 14.88 | 666.62 | 38.9 | 14.73 | 573.00 |
| 95 | 34.5 | 11.43 | 394.34 | 44.7 | 15.30 | 683.91 | 38.9 | 15.09 | 587.00 |
| 96 | 34.4 | 11.82 | 406.61 | 45.3 | 15.62 | 707.59 | 39.0 | 15.47 | 603.33 |
| 97 | 34.6 | 12.28 | 424.89 | 45.4 | 16.15 | 733.21 | 39.0 | 16.04 | 625.56 |
| 98 | 34.6 | 12.78 | 442.19 | 43.9 | 16.90 | 741.91 | 38.8 | 16.59 | 643.69 |
| | | <u> </u> | J | Monthly da | ta, not seasor | nally adjusted | | | |
| 98: | | | | | | | | | |
| ugust | 35.2 | \$12.76 | \$449.15 | 44.0 | \$16.88 | \$742.72 | 40.2 | \$16. 7 7 | \$674.15 |
| eptember | 34.3 | 12.90 | 442.47 | 42.9 | 17.11 | 734.02 | 37.5 | 16.79 | 629.63 |
| ctober | 34.6 | 12.93 | 447.38 | 44.0 | 17.07 | 751.08 | 40.0 | 16.89 | 675.60 |
| ovember | 34.7 | 13.00 | 451.10 | 43.8 | 17.29 | 757.30 | 38.6 | 16.82 | 649.25 |
| ecember | 34.7 | 13.00 | 451.10 | 43.7 | 17.29 | 755.57 | 39.1 | 16.87 | 659.62 |
| 99: | | | | 46.5 | 47.00 | 700.00 | 07.0 | 10-1 | 004.4- |
| anuary | 34.0 | 13.11 | 445.74 | 42.3 | 17.23 | 728.83 | 37.9 | 16.74 | 634.45 |
| ebruary | 34.3 | 13.10 | 449.33 | 42.7 | 17.08 | 729.32 | 38.0 | 16.66 | 633.08 |
| arch | 34.2 | 13.12 | 448.70 | 42.2 | 17.01 | 717.82 | 37.7 | 16.79 | 632.98 |
| pril | 34.3 | 13.16 | 451.39 | 43.3 | 16.93 | 733.07 | 38.6 | 16.85 | 650.41 |
| ay | 34.6 | 13.19 | 456.37 | 44.2 | 17.00 | 751.40 | 39.3 | 17.02 | 668.89 |
| ne | 34.6 | 13.14 | 454.64 | 44.2 | 16.93 | 748.31 | 39.8 | 17.08 | 679.78 |
| Jlyp | 34.7 | 13.16 | 456.65 | 44.6 | 17.14 | 764.44 | 39.9 | 17.23 | 687.48 |
| ugust ^p | 35.1 | 13.21 | 463.67 | 44.5 | 17.08 | 760.06 | 40.0 | 17.27 | 690.80 |
| uguar | 00.1 | 1 , 5.2 | 1 700.07 | | 1 | | .5.0 | ···. - / | 1 555.50 |

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

B-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date—Continued

| | | Manufa | acturing | | Trans | sportation and utilities | public | \\ | Wholesale trac | de |
|---------------------|-----------------|--------------------|--|--------------------|-----------------|-----------------------------|--------------------|-----------------|--------------------|-------------------|
| Year and month | Weekly hours | Hourly earnings | Hourly earnings, excluding overtime | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earning |
| | | | r | T | Annual | averages | | | · | |
| 964 | 40.7 | \$2.53 | \$2.43 | \$102.97 | 41.1 | \$2.89 | \$118.78 | 40.7 | \$2.52 | \$102.56 |
| 965 | 41.2 | 2.61 | 2.50 | 107.53 | 41.3 | 3.03 | 125.14 | 40.8 | 2.60 | 106.08 |
| 966 | 41.4 | 2.71 | 2.59 | 112.19 | 41.2 | 3.11 | 128.13 | 40.7 | 2.73 | 111.11 |
| 067 | 40.6 | 2.82 | 2.71 | 114.49 | 40.5 | 3.23 | 130.82 | 40.3 | 2.87 | 115.66 |
| 968 | 40.7 | 3.01 | 2.88 | 122.51 | 40.6 | 3.42 | 138.85 | 40.1 | 3.04 | 121.90 |
| 969 | 40.6 | 3.19 | 3.05 | 129.51 | 40.7 | 3.63 | 147.74 | 40.2 | 3.23 | 129.85 |
| 70 | 39.8 | 3.35 | 3.23 | 133.33 | 40.5 | 3.85 | 155.93 | 39.9 | 3.43 | 136.86 |
| 971 | 39.9 | 3.57 | 3.45 | 142.44 | 40.1 | 4.21 | 168.82 | 39.4 | 3.64 | 143.42 |
| 972 | 40.5 | 3.82 | 3.66 | 154.71 | 40.4 | 4.65 | 187.86 | 39.4 | 3.85 | 151.69 |
| 073 | 40.7 | 4.09 | 3.91 | 166.46 | 40.5 | 5.02 | 203.31 | 39.2 | 4.07 | 159.54 |
| 974 | 40.0 | 4.42 | 4.25 | 176.80 | 40.2 | 5.41 | 217.48 | 38.8 | 4.38 | 169.94 |
| 975 | 39.5 | 4.83 | 4.67 | 190.79 | 39.7 | 5.88 | 233.44 | 38.6 | 4.72 | 182.19 |
| 976 | 40.1 | 5.22 | 5.02 | 209.32 | 39.8 | 6.45 | 256.71 | 38.7 | 5.02 | 194.27 |
| 977 | 40.3 | 5.68 | 5.44 | 228.90 | 39.9 | 6.99 | 278.90 | 38.8 | 5.39 | 209.13 |
| 978 | 40.4 | 6.17 | 5.91 | 249.27 | 40.0 | 7.57 | 302.80 | 38.8 | 5.88 | 228.14 |
| 979 | 40.2 | 6.70 | 6.43 | 269.34 | 39.9 | 8.16 | 325.58 | 38.8 | 6.39 | 247.93 |
| 980 | 39.7 | 7.27 | 7.02 | 288.62 | 39.6 | 8.87 | 351.25 | 38.4 | 6.95 | 266.88 |
| 981 | 39.8 | 7.99 | 7.72 | 318.00 | 39.4 | 9.70 | 382.18 | 38.5 | 7.55 | 290.68 |
| 982 | 38.9 | 8.49 | 8.25 | 330.26 | 39.0 | 10.32 | 402.48 | 38.3 | 8.08 | 309.46 |
| 983 | 40.1 | 8.83 | 8.52 | 354.08 | 39.0 | 10.79 | 420.81 | 38.5 | 8.54 | 328.79 |
| 984 | 40.7 | 9.19 | 8.82 | 374.03 | 39.4 | 11.12 | 438.13 | 38.5 | 8.88 | 341.88 |
| 985 | 40.5 | 9.54 | 9.16 | 386.37 | 39.5 | 11.40 | 450.30 | 38.4 | 9.15 | 351.36 |
| 986 | 40.7 | 9.73 | 9.34 | 396.01 | 39.2 | 11.70 | 458.64 | 38.3 | 9.34 | 357.72 |
| 987 | 41.0 | 9.91 | 9.48 | 406.31 | 39.2 | 12.03 | 471.58 | 38.1 | 9.59 | 365.38 |
| 988 | 41.1 41.0 | 10.19 10.48 | 9.73 10.02 | 418.81 429.68 | 38.2 38.3 | 12.24 12.57 | 467.57 481.43 | 38.1 38.0 | 9.98 10.39 | 380.24 394.82 |
| | | 10.40 | | | | ļ | 1 | | 10.00 | |
| 990 | 40.8 | 10.83 | 10.37 | 441.86 | 38.4 | 12.92 | 496.13 | 38.1 | 10.79 | 411.10 |
| 991 | 40.7 | 11.18 | 10.71 | 455.03 | 38.1 | 13.20 | 502.92 | 38.1 | 11.15 | 424.82 |
| 992 | 41.0 | 11.46 | 10.95 | 469.86 | 38.3 | 13.43 | 514.37 | 38.2 | 11.39 | 435.10 |
| 993 | 41.4 | 11.74 | 11.18 | 486.04 | 39.3 | 13.55 | 532.52 | 38.2 | 11.74 | 448.47 |
| 994 | 42.0 | 12.07 | 11.43 | 506.94 | 39.7 | 13.78 | 547.07 | 38.4 | 12.06 | 463.10 |
| 995 | 41.6 | 12.37 | 11.74 | 514.59 | 39.4 | 14.13 | 556.72 | 38.3 | 12.43 | 476.07 |
| 996 | 41.6 | 12.77 | 12.12 | 531.23 | 39.6 | 14.45 | 572.22 | 38.3 | 12.87 | 492.92 |
| 997 | 42.0 | 13.17 | 12.45 | 553.14 | 39.7 | 14.92 | 592.32 | 38.4 | 13.45 | 516.48 |
| 998 | 41.7 | 13.49 | 12.79 | 562.53 | 39.5 | 15.31 | 604.75 | 38.4 | 14.06 | 539.90 |
| ļ | | | | Mon | thly data, not | seasonally ad | justed | | 1 | 1 |
| 98: | 44 - | 040.45 | 010.71 | AFCO 07 | 00.0 | 045.00 | #010.17 | 2007 | 614.40 | 0540.77 |
| August | 41.7 | \$13.45 | \$12.74 | \$560.87 | 39.9 | \$15.30 | \$610.47 | 38.7 | \$14.18 | \$548.77 |
| September | 41.5 | 13.60 | 12.88 | 564.40 | 39.3 | 15.41 | 605.61 | 38.1 | 14.16 | 539.50 |
| October | 41.9 | 13.55 | 12.83 | 567.75 | 39.3 | 15.39 | 604.83 | 38.3 | 14.19 | 543.48 |
| November | 42.2 | 13.60 | 12.87 | 573.92 | 39.7 | 15.48 | 614.56 | 38.7 | 14.34 | 554.96 |
| December | 42.6 | 13.69 | 12.94 | 583.19 | 39.1 | 15.50 | 606.05 | 38.4 | 14.32 | 549.89 |
| 999: | 44.5 | 40.00 | 40.00 | 504.10 | 00.7 | 1 45 55 | 000.50 | 00.0 | 44.40 | |
| lanuary | 41.3 | 13.66 | 12.98 | 564.16 | 38.7 | 15.57 | 602.56 | 38.0 | 14.42 | 547.96 |
| ebruary | 41.3 | 13.66 | 13.00 | 564.16 | 39.0 | 15.56 | 606.84 | 38.3 | 14.38 | 550.75 |
| March | 41.4 | 13.73 | 13.04 | 568.42 | 38.8 | 15.51 | 601.79 | 38.2 | 14.34 | 547.79 |
| April | 41.6 | 13.80 | 13.10 | 574.08 | 38.6 | 15.57 | 601.00 | 38.3 | 14.48 | 554.58 |
| /lay | 41.7 | 13.85 | 13.14 | 577.55 | 38.8 | 15.55 | 603.34 | 38.6 | 14.53 | 560.86 |
| lune | 41.8 | 13.91 | 13.17 | 581.44 | 39.0 | 15.56 | 606.84 | 38.4 | 14.44 | 554.50 |
| July ^p | 41.2 | 13.92 | 13.21 | 573.50 | 39.0 | 15.73 | 613.47 | 38.4 | 14.54 | 558.34 |
| August ^p | 41.7 | 13.93 | 13.19 | 580.88 | 39.7 | 15.66 | 621.70 | 38.8 | 14.64 | 568.03 |

B-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date—Continued

| Year and | | Retail trade | | | nance, insurar and real estat | | | Services | |
|----------------------|-----------------|--------------------|--------------------|-----------------|----------------------------------|--------------------|-----------------|--------------------|--------------------|
| month | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings | Weekly hours | Hourly earnings | Weekly earnings |
| | | | | , | Annual averag | jes | | | |
| 1964 | 37.0 | \$1.75 | \$64.75 | 37.3 | \$2.30 | \$85.79 | 36.1 | \$1.94 | \$70.03 |
| 965 | 36.6 | 1.82 | 66.61 | 37.2 | 2.39 | 88.91 | 35.9 | 2.05 | 73.60 |
| 966 | 35.9 | 1.91 | 68.57 | 37.3 | 2.47 | 92.13 | 35.5 | 2.17 | 77.04 |
| 967 | 35.3 | 2.01 | 70.95 | 37.1 | 2.58 | 95.72 | 35.1 | 2.29 | 80.38 |
| 968 | 34.7 | 2.16 | 74.95 | 37.0 | 2.75 | 101.75 | 34.7 | 2.42 | 83.97 |
| 969 | 34.2 | 2.30 | 78.66 | 37.1 | 2.93 | 108.70 | 34.7 | 2.61 | 90.57 |
| 970 | 33.8 | 2.44 | 82.47 | 36.7 | 3.07 | 112.67 | 34.4 | 2.81 | 96.66 |
| 971 | 33.7 | 2.60 | 87.62 | 36.6 | 3.22 | 117.85 | 33.9 | 3.04 | 103.06 |
| 972 | 33.4 | 2.75 | 91.85 | 36.6 | 3.36 | 122.98 | 33.9 | 3.27 | 110.85 |
| 973 | 33.1 | 2.91 | 96.32 | 36.6 | 3.53 | 129.20 | 33.8 | 3.47 | 117.29 |
| 974 | 32.7 | 3.14 | 102.68 | 36.5 | 3.77 | 137.61 | 33.6 | 3.75 | 126.00 |
| 975 | 32.4 | 3.36 | 108.86 | 36.5 | 4.06 | 148.19 | 33.5 | 4.02 | 134.67 |
| 976 | 32.4 | 3.57 | 114.60 | 36.4 | 4.27 | 155.43 | 33.3 | 4.31 | 143.52 |
| 977 | 31.6 | 3.85 | 121.66 | 36.4 | 4,54 | 165.26 | 33.0 | 4.65 | 153.45 |
| 978 | 31.0 | 4.20 | 130.20 | 36.4 | 4.89 | 178.00 | 32.8 | 4.99 | 163.67 |
| 979 | 30.6 | 4.53 | 138.62 | 36.2 | 5.27 | 190.77 | 32.7 | 5.36 | 175.27 |
| 980 | 30.2 | 4.88 | 147.38 | 36.2 | 5.79 | 209.60 | 32.6 | 5.85 | 190.71 |
| 981 | 30.2 | 5.25 | 158.03 | 36.3 | 6.31 | 229.05 | 32.6 | 6.41 | 208.97 |
| 982 | 29.9 | 5.48 | 163.85 | 36.2 | 6.78 | 245.44 | 32.6 | 6.92 | 225.59 |
| 983 | 29.8 | 5.74 | 171.05 | 36.2 | 7.29 | 263.90 | 32.7 | 7.31 | 239.04 |
| 984 | 29.8 | 5.85 | 174.33 | 36.5 | 7.63 | 278.50 | 32.6 | 7.59 | 247.43 |
| 985 | 29.4 | 5.94 | 174.64 | 36.4 | 7.94 | 289.02 | 32.5 | 7.90 | 256.75 |
| 986 | 29.2 | 6.03 | 176.08 | 36.4 | 8.36 | 304.30 | 32.5 | 8.18 | 265.85 |
| 987 | 29.2 | 6.12 | 178.70 | 36.3 | 8.73 | 316.90 | 32.5 | 8.49 | 275.93 |
| 1 | 29.1 | 6.31 | 183.62 | 35.9 | 9.06 | 325.25 | 32.6 | 8.88 | 289.49 |
| 988 989 | 28.9 | 6.53 | 188.72 | 35.8 | 9.53 | 341.17 | 32.6 | 9.38 | 305.79 |
| 000 | 00.0 | 6.75 | 194.40 | 35.8 | 9.97 | 356.93 | 32.5 | 9.83 | 319.48 |
| 990 | 28.8 | 6.75 | 1 | 35.7 | 10.39 | 370.92 | 32.3 | 10.23 | 331.45 |
| 991 | 28.6 | 6.94 | 198.48 205.06 | 1 | 1 | | , | 10.23 | 342.55 |
| 992 | 28.8 | 7.12 7.29 | 209.95 | 35.8 35.8 | 10.82 11.35 | 387.36 406.33 | 32.5 32.5 | 10.78 | 350.35 |
| 993 | 28.8 28.9 | 7.49 | 216.46 | 35.8 | 11.83 | 423.51 | 32.5 | 11.04 | 358.80 |
| 994 | 28.8 | 7.49 | 221.47 | 35.9 | 12.32 | 442.29 | 32.4 | 11.39 | 369.04 |
| 995 996 | 28.8 | 7.09 | 230.11 | 35.9 | 12.80 | 459.52 | 32.4 | 11.79 | 382.00 |
| | 28.9 | 8.33 | 240.74 | 36.1 | 13.34 | 481.57 | 32.4 | 12.28 | 400.33 |
| 997 998 | 29.0 | 8.73 | 253.17 | 36.4 | 14.06 | 511.78 | 32.6 | 12.85 | 418.91 |
| | | L | | Monthly da | ta, not seasor | nally adjusted | <u> </u> | | |
| 000. | | T | | , | | | | T | |
| 998: August | 29.9 | \$8.72 | \$260.73 | 36.9 | \$14.12 | \$521.03 | 33.2 | \$12.75 | \$423.30 |
| August | 29.9 29.1 | 8.88 | 258.41 | 35.9 | 14.10 | 506.19 | 32.3 | 12.75 | 418.93 |
| September October | 28.9 | 8.84 | 255.48 | 36.1 | 14.10 | 512.62 | 32.5 | 13.01 | 424.13 |
| | 28.9 | 8.86 | 256.05 | 36.9 | 14.43 | 532.47 | 32.8 | 13.15 | 431.32 |
| November December | 29.2 | 8.88 | 259.30 | 36.2 | 14.40 | 521.28 | 32.6 32.6 | 13.18 | 429.67 |
| 999: | 23.2 | 0.00 | 239.30 | 30.2 | 14.40 | 321.20 | 32.0 | 13.16 | 425.07 |
| January | 28.1 | 9.00 | 252.90 | 36.0 | 14,48 | 521.28 | 32.3 | 13.30 | 429.59 |
| ebruary | 28.6 | 8.98 | 256.83 | 36.3 | 14.55 | 528.17 | 32.5 | 13.32 | 432.90 |
| March | 28.6 | 9.00 | 257.40 | 36.0 | 14.53 | 523.08 | 32.4 | 13.33 | 431.89 |
| April | 28.7 | 9.03 | 259.16 | 35.9 | 14.61 | 524.50 | 32.4 | 13.32 | 431.57 |
| Viay | 29.1 | 9.03 | 262.77 | 36.4 | 14.72 | 535.81 | 32.7 | 13.34 | 436.22 |
| June | 29.4 | 9.02 | 265.19 | 35.9 | 14.50 | 520.55 | 32.6 | 13.23 | 431.30 |
| Julyp | 29.4 | 9.02 | 268.80 | 36.1 | 14.53 | 524.53 | 32.8 | 13.20 | 432.96 |
| August ^p | 30.0 | 9.03 | 270.90 | 36.8 | 14.66 | 539.49 | 33.2 | 13.28 | 440.90 |
| nuguair | 50.0 | 9.00 | 270.50 | 1 55.5 | 1 7.00 | 303.43 | JJ.2 | 19.20 | 7-0.30 |

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.

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1998 forward are subject to revision.

p = preliminary.

ESTABLISHMENT DATA EMPLOYMENT SEASONALLY ADJUSTED

B-3. Employees on nonfarm payrolls by major industry and selected component groups, seasonally adjusted

(In thousands)

| | | | 1998 | | | | | | 19 | 99 | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------------|-------------------|
| Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | July ^p | Aug. ^p |
| Total | 126,170 | 126,361 | 126,567 | 126,841 | 127,186 | 127,378 | 127,730 | 127,813 | 128,134 | 128,162 | 128,443 | 128,781 | 128,905 |
| Total private | 106,301 | 106,470 | 106,654 | 106,893 | 107,213 | 107,386 | 107,676 | 107,726 | 108,035 | 108,085 | 108,338 | 108,625 | 108,702 |
| Goods-producing | 25,344 | 25,333 | 25,306 | 25,298 | 25,354 | 25,315 | 25,329 | 25,285 | 25,288 | 25,199 | 25,180 | 25,248 | 25,153 |
| Mining | | 583 | 578 | 574 | 570 | 560 | 553 | 550 | 538 | 531 | 526 | 529 | 526 |
| Metal mining | | 50 90 | 50 90 | 50 90 | 50 90 | 50 89 | 50 88 | 50 87 | 49 | 49 | 48 84 | 48 | 46 |
| Coal mining Oil and gas extraction | | 334 | 329 | 325 | 320 | 312 | 306 | 305 | 86 294 | 86 287 | 285 | 85 286 | 84 287 |
| Nonmetallic minerals, except fuels | 109 | 109 | 109 | 109 | 110 | 109 | 109 | 108 | 109 | 109 | 109 | 110 | 109 |
| Construction | | 6,009 | 6,042 | 6,085 | 6,173 | 6,170 | 6,238 | 6,232 | 6,277 | 6,239 | 6,258 | 6,272 | 6,243 |
| General building contractors | 1,381 | 1,382 | 1,389 | 1,394 | 1,404 | 1,410 | 1,426 | 1,429 | 1,428 | 1,427 | 1,430 | 1,434 | 1,426 |
| Heavy construction, except building Special trade contractors | 842 3,782 | 837 3,790 | 843 3,810 | 850 3,841 | 876 3,893 | 871 3,889 | 869 3,943 | 864 3,939 | 874 3,975 | 854 3,958 | 857 3,971 | 857 3,981 | 851 3,966 |
| Manufacturing | 18,754 | 18,741 | 18,686 | 18,639 | 18,611 | 18,585 | 18,538 | 18,503 | 18,473 | 18,429 | 18,396 | 18,447 | 18,384 |
| Durable goods | | 11,159 | 11,128 | 11,092 | 11,074 | 11,050 | 11,027 | 11,014 | 10,993 | 10,971 | 10,960 | 11,013 | 10,975 |
| Lumber and wood products Furniture and fixtures | | 815 532 | 817 532 | 820 532 | 823 534 | 826 534 | 827 535 | 827 535 | 824 536 | 824 537 | 824 538 | 826 546 | 827 542 |
| Stone, clay, and glass products | 1 | 565 | 566 | 568 | 570 | 569 | 571 | 569 | 570 | 569 | 568 | 570 | 567 |
| Primary metal industries | 713 | 712 | 705 | 700 | 699 | 696 | 695 | 693 | 691 | 689 | 687 | 692 | 689 |
| Fabricated metal products | | 1,500 | 1,498 | 1,494 | 1,493 | 1,495 | 1,491 | 1,490 | 1,489 | 1,487 | 1,485 | 1,493 | 1,484 |
| Industrial machinery and equipment Computer and office equipment | 2,203 378 | 2,197 377 | 2,188 374 | 2,177 373 | 2,167 370 | 2,148 362 | 2,146 362 | 2,139 360 | 2,132 361 | 2,129 362 | 2,128 364 | 2,130 361 | 2,117 359 |
| Electronic and other electrical equipment Electronic components and | 1,698 | 1,692 | 1,683 | 1,673 | 1,669 | 1,663 | 1,659 | 1,659 | 1,658 | 1,658 | 1,657 | 1,667 | 1,665 |
| accessories | 655 | 651 | 647 | 643 | 640 | 637 | 636 | 636 | 635 | 635 | 637 | 639 | 642 |
| Transportation equipment | | 1,891 | 1,892 | 1,887 | 1,882 | 1,884 | 1,871 | 1,873 | 1,864 | 1,853 | 1,849 | 1,863 | 1,861 |
| Motor vehicles and equipment | 997 526 | 996 525 | 998 523 | 996 | 994 518 | 996 517 | 989 510 | 992 | 996 503 | 996 498 | 998 491 | 1,015 | 1,012 484 |
| Aircraft and parts Instruments and related products | | 863 | 859 | 520 855 | 851 | 849 | 847 | 511 844 | 842 | 839 | 837 | 488 840 | 835 |
| Miscellaneous manufacturing | | 392 | 388 | 386 | 386 | 386 | 385 | 385 | 387 | 386 | 387 | 386 | 388 |
| Nondurable goods | | 7,582 | 7,558 | 7,547 | 7,537 | 7,535 | 7,511 | 7,489 | 7,480 | 7,458 | 7,436 | 7,434 | 7,409 |
| Food and kindred products | | 1,687 | 1,685 | 1,690 | 1,693 | 1,699 | 1,695 | 1,693 | 1,689 | 1,688 | 1,680 | 1,682 | 1,673 |
| Tobacco products Textile mill products | | 40 593 | 40 590 | 40 586 | 40 582 | 40 579 | 40 575 | 39 571 | 38 567 | 38 563 | 39 560 | 39 559 | 36 557 |
| Apparel and other textile products | | 751 | 738 | 729 | 724 | 718 | 707 | 702 | 698 | 691 | 686 | 680 | 670 |
| Paper and allied products | 673 | 672 | 669 | 666 | 666 | 664 | 664 | 662 | 662 | 661 | 659 | 659 | 659 |
| Printing and publishing | | 1,565 | 1,565 | 1,564 | 1,560 | 1,561 | 1,559 | 1,557 | 1,555 | 1,551 | 1,552 | 1,553 | 1,552 |
| Chemicals and allied products Petroleum and coal products | 1,044 | 1,043 | 1,042 | 1,043 140 | 1,042 | 1,041 139 | 1,041 139 | 1,037 139 | 1,038 | 1,036 138 | 1,033 | 1,031 138 | 1,032 137 |
| Rubber and misc. plastics products | | 1,010 | 1,009 | 1,010 | 1,012 | 1,016 | 1,015 | 1,014 | 1,019 | 1,018 | 1,016 | 1,021 | 1,021 |
| Leather and leather products | | 81 | 80 | 79 | 78 | 78 | 76 | 75 | 75 | 74 | 74 | 72 | 72 |
| Service-producing | 100,826 | 101,028 | 101,261 | 101,543 | 101,832 | 102,063 | 102,401 | 102,528 | 102,846 | 102,963 | 103,263 | 103,533 | 103,752 |
| Transportation and public utilities | 6,625 | 6,637 | 6,657 | 6,671 | 6,684 | 6,708 | 6,723 | 6,732 | 6,750 | 6,758 | 6,781 | 6,797 | 6,809 |
| Transportation | 4,305 232 | 4,313 233 | 4,327 232 | 4,335 230 | 4,340 231 | 4,356 233 | 4,367 233 | 4,378 235 | 4,397 234 | 4,402 233 | 4,423 233 | 4,439 230 | 4,445 231 |
| Local and interurban passenger | 475 | 471 | 473 | 474 | 474 | 474 | 475 | 476 | 483 | 480 | 483 | 484 | 482 |
| transit Trucking and warehousing | 1,755 | 1,759 | 1,766 | 1,770 | 1,769 | 1,786 | 1,789 | 1,796 | 1,800 | 1,802 | 1,810 | 1,817 | 1,818 |
| Water transportation | | 183 | 183 | 184 | 183 | 182 | 181 | 177 | 180 | 180 | 181 | 183 | 186 |
| Transportation by air | 1,190 | 1,196 | 1,199 | 1,201 | 1,205 | 1,204 | 1,213 | 1,218 | 1,220 | 1,226 | 1,234 | 1,241 | 1,243 |
| Pipelines, except natural gas | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 13 | 13 |
| Transportation services Communications and public utilities | 455 2,320 | 457 2,324 | 2,330 | 462 2,336 | 464 2,344 | 463 2,352 | 462 2,356 | 462 2,354 | 2,353 | 468 2,356 | 469 2,358 | 471 2,358 | 472 2,364 |
| Communications | 1,467 | 1,472 | 1,480 | 1,484 | 1,492 | 1,502 | 1,507 | 1,506 | 1,508 | 1,513 | 1,513 | 1,518 | 1,524 |
| Electric, gas, and sanitary services | | 852 | 850 | 852 | 852 | 850 | 849 | 848 | 845 | 843 | 845 | 840 | 840 |
| Wholesale trade | 6,846 | 6,871 | 6,876 | 6,891 | 6,901 | 6,924 | 6,937 | 6,947 | 6,965 | 6,977 | 6,993 | 7,011 | 7,031 |
| Durable goods | 4,055 | 4,066 | 4,068 | 4,074 | 4,077 | 4,088 | 4,100 | 4,103 | 4,113 | 4,124 | 4,139 | 4,154 | 4,169 |
| Nondurable goods | 2,791 | 2,805 | 2,808 | 2,817 | 2,824 | 2,836 | 2,837 | 2,844 | 2,852 | 2,853 | 2,854 | 2,857 | 2,862 |

B-3. Employees on nonfarm payrolls by major industry and selected component groups, seasonally adjusted--Continued

(In thousands)

| landureta : | | | 1998 | | | | | | 19 | 99 | | , | , |
|--|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp | Aug.p |
| Retail trade | 22,353 | 22,382 | 22,392 | 22,443 | 22,525 | 22,556 | 22,648 | 22,611 | 22,724 | 22,748 | 22,796 | 22,895 | 22,892 |
| Building materials and garden supplies | 950 | 954 | 957 | 961 | 967 | 972 | 979 | 982 | 982 | 979 | 982 | 986 | 990 |
| General merchandise stores | 2,733 | 2,745 | 2,744 | 2,750 | 2,758 | 2,773 | 2,781 | 2,794 | 2,799 | 2,784 | 2,782 | 2,781 | 2,791 |
| Department stores | 2,429 | 2,437 | 2,441 | 2,447 | 2,456 | 2,470 | 2,475 | 2,489 | 2,499 | 2,486 | 2,482 | 2,478 | 2,484 |
| Food stores | 3,483 | 3,486 | 3,485 | 3,488 | 3,487 | 3,481 | 3,492 | 3,490 | 3,492 | 3,487 | 3,479 | 3,475 | 3,486 |
| Automotive dealers and service | 0.04= | 0.040 | 0.050 | 0.004 | 0.070 | 0.077 | | 0 000 | 0.000 | 0.400 | 0.400 | 0.400 | 0.440 |
| stations | 2,345 | 2,349 | 2,356 | 2,361 | 2,370 | 2,377 | 2,390 | 2,392 | 2,399 | 2,400 | 2,403 1,080 | 2,408 1,085 | 2,416 |
| New and used car dealers | 1,048 1,149 | 1,050 1,150 | 1,052 1,144 | 1,055 1,148 | 1,059 1,147 | 1,061 1,152 | 1,065 1,167 | 1,069 1,167 | 1,074 1,163 | 1,077 1,172 | 1,178 | 1,187 | 1,090 |
| Apparel and accessory stores Furniture and home furnishings stores | 1,031 | 1,130 | 1,038 | 1,042 | 1,048 | 1,055 | 1,064 | 1,107 | 1,081 | 1,084 | 1,091 | 1.089 | 1,097 |
| Eating and drinking places | 7,779 | 7,782 | 7,787 | 7,808 | 7,857 | 7,843 | 7,855 | 7,785 | 7,863 | 7,880 | 7,911 | 7,985 | 7,947 |
| Miscellaneous retail establishments | 2,883 | 2,883 | 2,881 | 2,885 | 2,891 | 2,903 | 2,920 | 2,931 | 2,945 | 2,962 | 2,970 | 2,984 | 2,983 |
| Finance, insurance, and real estate | 7,445 | 7,467 | 7,494 | 7,520 | 7,542 | 7,570 | 7,581 | 7,595 | 7,611 | 7,621 | 7,636 | 7,644 | 7,655 |
| Finance | 3,616 | 3,623 | 3,642 | 3,651 | 3,663 | 3,675 | 3,681 | 3,690 | 3,697 | 3,706 | 3,709 | 3,713 | 3,721 |
| Depository institutions | 2,043 | 2,040 | 2,044 | 2,044 | 2,047 | 2,049 | 2,051 | 2,051 | 2,050 | 2,047 | 2,045 | 2,042 | 2,043 |
| Commercial banks | 1,467 | 1,465 | 1,466 | 1,466 | 1,467 | 1,469 | 1,470 | 1,469 | 1,467 | 1,465 | 1,463 | 1,461 | 1,461 |
| Savings institutions | 258 | 258 | 258 | 258 | 257 | 258 | 258 | 258 | 257 | 256 | 256 | 256 | 256 |
| Nondepository institutions | 669 337 | 673 342 | 684 350 | 693 355 | 698 360 | 705 362 | 708 365 | 712 368 | 716 370 | 720 374 | 721 372 | 721 370 | 722 368 |
| Mortgage bankers and brokers Security and commodity brokers | 653 | 656 | 660 | 658 | 661 | 663 | 661 | 664 | 668 | 672 | 676 | 682 | 686 |
| Holding and other investment offices | 251 | 254 | 254 | 256 | 257 | 258 | 261 | 263 | 263 | 267 | 267 | 268 | 270 |
| Insurance | 2,355 | 2,362 | 2,367 | 2,375 | 2,379 | 2,383 | 2.386 | 2,392 | 2,395 | 2,399 | 2,402 | 2,404 | 2,406 |
| Insurance carriers | 1,607 | 1,611 | 1,614 | 1,619 | 1,624 | 1,627 | 1,628 | 1,632 | 1,631 | 1,635 | 1,638 | 1,634 | 1,634 |
| Insurance agents, brokers, and service | 748 | 751 | 753 | 756 | 755 | 756 | 758 | 760 | 764 | 764 | 764 | 770 | 772 |
| Real estate | 1,474 | 1,482 | 1,485 | 1,494 | 1,500 | 1,512 | 1,514 | 1,513 | 1,519 | 1,516 | 1,525 | 1,527 | 1,528 |
| Services ¹ | 37,688 | 37,780 | 37,929 | 38,070 | 38,207 | 38,313 | 38,458 | 38,556 | 38,697 | 38,782 | 38,952 | 39,030 | 39,162 |
| Agricultrual services | 709 | 712 | 716 | 726 | 739 | 747 | 751 | 747 | 755 | 751 | 757 | 757 | 755 |
| Hotels and other lodging places | 1,784 | 1,785 | 1,784 | 1,782 | 1,783 | 1,785 | 1,786 | 1,789 | 1,791 | 1,786 | 1,797 | 1,808 | 1,810 |
| Personal services | 1,197 | 1,195 | 1,194 | 1,198 | 1,202 | 1,205 | 1,201 | 1,200 | 1,204 | 1,189 | 1,200 | 1,206 | 1,205 |
| Business services | 8,649 | 8,654 | 8,729 | 8,779 | 8,829 | 8,869 | 8,922 | 8,963 | 9,010 | 9,047 | 9,088 | 9,139 | 9,185 |
| Services to buildings | 952 3,249 | 956 3,230 | 959 3,254 | 962 3,267 | 964 3,292 | 971 3,308 | 971 3,331 | 973 3,343 | 978 3,350 | 979 3,366 | 984 3,387 | 3,416 | 996 3,419 |
| Personnel supply services Help supply services | 2,887 | 2,874 | 2,891 | 2,903 | 2,922 | 2,933 | 2,954 | 2,967 | 2,975 | 2,986 | 3,000 | 3,021 | 3,030 |
| Computer and data processing | 2,007 | 2,074 | 2,001 | 2,500 | 2,022 | 2,000 | 2,554 | 2,007 | 2,070 | 2,000 | 0,000 | 0,021 | 0,000 |
| services | 1,626 | 1,639 | 1,658 | 1,675 | 1,691 | 1,708 | 1,724 | 1,734 | 1,749 | 1,765 | 1,781 | 1,793 | 1,808 |
| Auto repair, services, and parking | 1,150 | 1,153 | 1,155 | 1,160 | 1,163 | 1,168 | 1,175 | 1,176 | 1,178 | 1,182 | 1,184 | 1,185 | 1,186 |
| Miscellaneous repair services | 382 | 384 | 386 | 388 | 390 | 392 | 392 | 393 | 396 | 398 | 395 | 394 | 397 |
| Motion pictures | 575 | 577 | 577 | 575 | 577 | 573 | 582 | 580 | 587 | 604 | 611 | 597 | 599 |
| Amusement and recreation services | 1,608 | 1,622 | 1,626 | 1,641 | 1,647 | 1,653 | 1,656 | 1,660 | 1,668 | 1,675 | 1,695 | 1,694 | 1,711 |
| Health services | 9,859 | 9,873 | 9,883 | 9,892 | 9,899 | 9,905 1,840 | 9,919 1,844 | 9,932 1,850 | 9,951 1,856 | 9,954 1,860 | 9,964 1,864 | 9,976 1,870 | 9,995 1,875 |
| Offices and clinics of medical doctors Nursing and personal care facilities | 1,811 1,760 | 1,818 1,761 | 1,825 1,759 | 1,831 1,757 | 1,833 1,756 | 1,756 | 1,755 | 1,754 | 1,753 | 1,755 | 1,755 | 1,753 | 1,755 |
| Hospitals | 3,937 | 3,943 | 3,948 | 3,950 | 3,952 | 3,954 | 3,959 | 3,963 | 3,966 | 3,966 | 3,969 | 3,968 | 3,974 |
| Home health care services | 661 | 658 | 654 | 651 | 651 | 645 | 651 | 653 | 656 | 653 | 653 | 655 | 658 |
| Legal services | 977 | 980 | 985 | 986 | 988 | 989 | 992 | 995 | 998 | 999 | 1,002 | 1,000 | 1,004 |
| Educational services | 2,176 | 2,189 | 2,206 | 2,214 | 2,223 | 2,218 | 2,237 | 2,243 | 2,254 | 2,265 | 2,272 | 2,274 | 2,271 |
| Social services | 2,660 | 2,672 | 2,682 | 2,695 | 2,708 | 2,721 | 2,734 | 2,744 | 2,755 | 2,760 | 2,778 | 2,765 | 2,799 |
| Child day care services | 610 | 610 | 612 | 615 | 618 | 621 | 625 | 627 | 628 | 629 | 633 | 631 | 627 |
| Residential care | 749 | 753 | 757 | 760 | 762 | 765 | 768 | 769 | 772 | 775 | 777 | 780 | 784 |
| Museums and botanical and zoological gardens | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 95 | 94 | 93 | 94 | 94 | 94 |
| Membership organizations | 2,365 | 2,369 | 2,374 | 2,375 | 2,380 | 2,385 | 2,389 | 2,392 | 2,392 | 2,394 | 2,409 | 2,404 | 2,406 |
| Engineering and management services | 3,214 | 3,231 | 3,248 | 3,273 | 3,292 | 3,316 | 3,335 | 3,354 | 3,370 | 3,391 | 3,411 | 3,441 | 3,451 |
| Engineering and architectural services | 912 | 913 | 915 | 919 | 922 | 926 | 930 | 933 | 939 | 940 | 942 | 949 | 949 |
| Management and public relations | 1,046 | 1,058 | 1,068 | 1,081 | 1,090 | 1,103 | 1,111 | 1,123 | 1,133 | 1,143 | 1,153 | 1,163 | 1,175 |
| Government | 19,869 | 19,891 | 19,913 | 19,948 | 19,973 | 19,992 | 20,054 | 20,087 | 20,099 | 20,077 | 20,105 | 20,156 | 20,203 |
| Federal Postal Service | 2,688 | 2,689 | 2,711 | 2,723 | 2,701 | 2,702 | 2,713 | 2,710 | 2,688 1,809 | 2,666 | 2,664 1,789 | 2,657 1,777 | 2,659 |
| Federal, except Postal Service | 1,818 4,633 | 1,815 4,647 | 1,833 4,633 | 1,843 4,637 | 1,819 4,652 | 1,822 4,644 | 1,834 4,670 | 1,831 4,680 | 1,809 4,688 | 1,788 4,677 | 1,789 4,675 | 1,777 4,683 | 1,778 4,701 |
| State Education | 1,931 | 1,939 | 1,923 | 1,923 | 1,932 | 1,920 | 1,941 | 1,948 | 1,955 | 1,941 | 1,934 | 1,948 | 1,961 |
| Other State government | 2,702 | 2,708 | 2,710 | 2,714 | 2,720 | 2,724 | 2,729 | 2,732 | 2,733 | 2,736 | 2,741 | 2,735 | 2,740 |
| Sinoi State governinont | | 12,555 | 12,569 | 12,588 | 12,620 | 12,646 | 12,671 | 12,697 | 12,723 | 12,734 | 12,766 | 12,816 | 12,843 |
| Local | 12,040 | 2,555 | | | | | | | | | | | |
| Local Education | 12,548 7,109 | 7,103 | 7,108 | 7,132 | 7,148 | 7,165 | 7,181 | 7,200 | 7,206 | 7,225 | 7,239 | 7,268 | 7,293 |

1 Includes other industries, not shown separately.
 P = preliminary.
 NOTE: Establishment survey estimates are currently projected from March 1998

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1995 forward are subject to revision.

ESTABLISHMENT DATA WOMEN EMPLOYEES SEASONALLY ADJUSTED

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

(In thousands)

| | [| | _ | 1998 | | | | | | 19 | 99 | | |
|---|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Industry | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June |
| Total | 60,781 | 60,848 | 60,990 | 61,146 | 61,221 | 61,315 | 61,464 | 61,599 | 61,767 | 61,852 | 62,008 | 62,035 | 62,227 |
| Total private | 49,731 | 49,819 | 49,910 | 50,006 | 50,074 | 50,160 | 50,275 | 50,394 | 50,524 | 50,591 | 50,734 | 50,771 | 50,916 |
| Goods-producing | 6,760 | 6,720 | 6,734 | 6,731 | 6,700 | 6,680 | 6,675 | 6,674 | 6,658 | 6,647 | 6,643 | 6,630 | 6,632 |
| Mining | 84 | 84 | 84 | 83 | 83 | 82 | 82 | 82 | 82 | 82 | 79 | 78 | 78 |
| Construction | 663 | 667 | 670 | 673 | 674 | 677 | 679 | 682 | 687 | 689 | 695 | 695 | 700 |
| Manufacturing | 6,013 | 5,969 | 5,980 | 5,975 | 5,943 | 5,921 | 5,914 | 5,910 | 5,889 | 5,876 | 5,869 | 5,857 | 5,854 |
| Durable goodsLumber and wood products | 2,987 143 | 2,956 144 | 2,974 144 | 2,969 145 | 2,956 145 | 2,943 146 | 2,939 147 | 2,936 147 | 2,930 148 | 2,924 149 | 2,926 148 | 2,922 149 | 2,927 149 |
| Furniture and fixtures | 1 | 169 | 169 | 169 | 168 | 168 | 169 | 169 | 170 | 169 | 170 | 171 | 171 |
| Stone, clay, and glass products | | 105 | 105 | 105 | 105 | 105 | 103 | 103 | 104 | 103 | 103 | 102 | 103 |
| Primary metal industries | | 102 | 105 | 105 | 105 | 104 | 103 | 103 | 102 | 102 | 101 | 101 | 101 |
| Fabricated metal products | | 338 | 338 | 339 | 338 | 337 | 337 | 338 | 338 | 336 | 339 | 339 | 339 |
| Industrial machinery and equipment | | 481 | 480 | 477 | 475 | 472 | 472 | 467 | 466 | 464 | 464 | 464 | 466 |
| Electronic and other electrical equipment | | 704 | 700 | 696 | 689 | 684 | 682 | 679 | 677 | 675 | 676 | 675 | 675 |
| Transportation equipment | 407 | 384 | 405 | 406 | 408 | 406 | 405 | 408 | 405 | 407 | 405 | 404 | 404 |
| Instruments and related products | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) |
| Miscellaneous manufacturing | 172 | 172 | 172 | 171 | 169 | 169 | 169 | 169 | 168 | 168 | 169 | 168 | 169 |
| Nondurable goods | | 3,013 | 3,006 | 3,006 | 2,987 | 2,978 | 2,975 | 2,974 | 2,959 | 2,952 | 2,943 | 2,935 | 2,927 |
| Food and kindred products | | 554 | 553 | 555 | 551 | 555 | 558 | 560 | 557 | 557 | 554 | 556 | 555 |
| Tobacco products | | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 12 | 12 |
| Textile mill products | 1 | 277 | 275 | 276 | 274 | 271 | 270 | 269 | 267 | 266 | 263 | 261 | 259 |
| Apparel and other textile products | | 558 | 550 | 548 | 536 | 529 | 525 | 521 | 513 | 508 | 503 | 498 | 494 |
| Paper and allied products | | 163 | 163 | 162 | 162 | 161 | 161 | 161 | 161 | 161 | 161 | 160 | 160 |
| Printing and publishing | | 706 | 705 | 705 | 705 | 703 | 702 | 702 | 701 | 701 | 700 | 698 | 699 |
| Chemicals and allied products | 1 | 335 | 335 | 336 | 335 | 335 | 335 | 335 | 335 | 336 | 336 | 337 | 336 |
| Petroleum and coal products | | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 25 | 25 | 25 | 25 | 24 348 |
| Rubber and misc. plastics products | | 340 | 345 | 345 | 345 | 345 42 | 345 42 | 348 41 | 346 41 | 346 40 | 349 | 349 39 | 40 |
| Leather and leather products | 44 | 43 | 43 | 42 | 42 | | | | ' | | | | |
| Service-producing | 54,021 | 54,128 | 54,256 | 54,415 | 54,521 | 54,635 | 54,789 | 54,925 | 55,109 | 55,205 | 55,365 | 55,405 | 55,595 |
| Transportation and public utilities | 1,976 | 1,983 | 1,993 | 2,004 | 2,016 | 2,015 | 2,025 | 2,032 | 2,048 | 2,049 | 2,054 | 2,059 | 2,073 |
| Wholesale trade | 2,099 | 2,102 | 2,105 | 2,106 | 2,110 | 2,115 | 2,118 | 2,121 | 2,127 | 2,132 | 2,140 | 2,140 | 2,148 |
| Retail trade | 11,739 | 11,777 | 11,786 | 11,806 | 11,804 | 11,813 | 11,842 | 11,874 | 11,923 | 11,937 | 11,974 | 11,998 | 12,008 |
| Finance, insurance, and real estate | 4,647 | 4,662 | 4,670 | 4,678 | 4,697 | 4,712 | 4,726 | 4,743 | 4,751 | 4,753 | 4,752 | 4,753 | 4,769 |
| Services | 22,510 | 22,575 | 22,622 | 22,681 | 22,747 | 22,825 | 22,889 | 22,950 | 23,017 | 23,073 | 23,171 | 23,191 | 23,286 |
| Government | 11,050 | 11,029 | 11,080 | 11,140 | 11,147 | 11,155 | 11,189 | 11,205 | 11,243 | 11,261 | 11,274 | 11,264 | 11,311 |
| Federal | 1 1 1 1 1 1 1 | 1,128 | 1,132 | 1,138 | 1,148 | 1,151 | 1,141 | 1,141 | 1,148 | 1,149 | 1,133 | 1,124 | 1,126 |
| State | | 2,365 | 2,372 | 2,384 | 2,382 | 2,385 | 2,394 | 2,390 | 2,403 | 2,407 | 2,414 | 2,413 | 2,415 |
| Local | 7,549 | 7,536 | 7,576 | 7,618 | 7,617 | 7,619 | 7,654 | 7,674 | 7,692 | 7,705 | 7,727 | 7,727 | 7,770 |
| | l | l | l | L | | | | | l | | | | |

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 1998 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1995 forward are subject to revision.

B-5. Production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

| had about | | | 1998 | | | | | _ | 19 | 99 | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp | Aug.p |
| Total private | 86,973 | 87,106 | 87,253 | 87,448 | 87,702 | 87,855 | 88,077 | 88,170 | 88,358 | 88,428 | 88,613 | 88,862 | 88,879 |
| Goods-producing | 17,982 | 17.976 | 17,962 | 17,959 | 18,014 | 17,988 | 17,976 | 17,963 | 17,926 | 17,872 | 17.849 | 17,925 | 17,841 |
| Mining | 444 | 442 | 438 | 435 | 432 | 423 | 416 | 413 | 403 | 398 | 396 | 397 | 397 |
| Construction | 4.647 | 4,641 | 4,675 | 4,716 | 4,787 | 4,792 | 4,830 | 4,836 | 4,827 | 4,812 | 4,830 | 4,834 | 4,805 |
| | , | · | | ' | | , | | , | , | | | ' | ' |
| Manufacturing | 12,891 | 12,893 | 12,849 | 12,808 | 12,795 | 12,773 | 12,730 | 12,714 | 12,696 | 12,662 | 12,623 | 12,694 | 12,639 |
| Durable goodsLumber and wood products | 7,634 668 | 7,628 669 | 7,605 670 | 7,577 673 | 7,568 675 | 7,548 678 | 7,529 679 | 7,527 679 | 7,519 677 | 7,504 676 | 7,487 676 | 7,549 677 | 7,518 678 |
| Furniture and fixtures | | 424 | 423 | 424 | 426 | 426 445 | 426 | 427 445 | 427 | 428 | 429 | 435 447 | 432 |
| Stone, clay, and glass products Primary metal industries | 1 | 441 557 | 442 552 | 443 547 | 446 546 | 543 | 446 542 | 541 | 446 539 | 446 538 | 445 535 | 540 | 444 537 |
| Fabricated metal products | 1,129 | 1,130 | 1,127 | 1,125 | 1,123 | 1,126 | 1,121 | 1,119 | 1,119 | 1,118 | 1,115 | 1,125 | 1,115 |
| Industrial machinery and equipment | 1.391 | 1,389 | 1,383 | 1,376 | 1,369 | 1.357 | 1.355 | 1.351 | 1,347 | 1,346 | 1,343 | 1.345 | 1.332 |
| Electronic and other electrical equipment | 1,061 | 1,059 | 1,051 | 1,042 | 1,040 | 1,037 | 1,031 | 1,035 | 1,037 | 1,033 | 1,030 | 1,047 | 1,042 |
| Transportation equipment | 1,257 | 1,255 | 1,258 | 1,250 | 1,247 | 1,243 | 1,236 | 1,239 | 1,232 | 1,226 | 1,222 | 1,240 | 1,247 |
| Motor vehicles and equipment | 758 | 759 | 760 | 757 | 755 | 753 | 749 | 754 | 757 | 758 | 757 | 778 | 782 |
| Instruments and related products | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Miscellaneous manufacturing | 274 | 273 | 269 | 269 | 269 | 267 | 267 | 267 | 269 | 268 | 268 | 268 | 269 |
| Nondurable goods | 5,257 | 5,265 | 5,244 | 5,231 | 5,227 | 5,225 | 5,201 | 5,187 | 5,177 | 5,158 | 5,136 | 5,145 | 5,121 |
| Food and kindred products | 1,240 | 1,253 | 1,252 | 1,257 | 1,261 | 1,266 | 1,264 | 1,264 | 1,259 | 1,258 | 1,252 | 1,259 | 1,247 |
| Tobacco products | 31 | 31 | 31 | 31 | 31 | 31 | 30 | 29 | 29 | 28 | 29 | 29 | 26 |
| Textile mill products | 503 | 502 | 499 | 495 | 492 | 490 | 486 | 483 | 479 | 476 | 473 | 474 | 470 |
| Apparel and other textile products | | 603 | 591 | 581 | 579 | 574 505 | 564 | 560 | 558 | 553 501 | 546 500 | 541 499 | 534 499 |
| Paper and allied products Printing and publishing | 512 844 | 511 844 | 509 843 | 507 840 | 506 836 | 837 | 503 835 | 502 833 | 502 829 | 827 | 827 | 826 | 827 |
| Chemicals and allied products | 586 | 586 | 585 | 585 | 586 | 584 | 583 | 582 | 583 | 582 | 580 | 581 | 581 |
| Petroleum and coal products | 92 | 92 | 92 | 93 | 94 | 93 | 93 | 92 | 92 | 90 | 89 | 91 | 91 |
| Rubber and misc. plastics products | 782 | 783 | 782 | 783 | 784 | 788 | 786 | 786 | 790 | 788 | 785 | 792 | 793 |
| Leather and leather products | 61 | 60 | 60 | 59 | 58 | 57 | 57 | 56 | 56 | 55 | 55 | 53 | 53 |
| · | | | - | | | | | | | | - | | |
| Service-producing | 68,991 | 69,130 | 69,291 | 69,489 | 69,688 | 69,867 | 70,101 | 70,207 | 70,432 | 70,556 | 70,764 | 70,937 | 71,038 |
| Transportation and public utilities | 5,502 | 5,509 | 5,527 | 5,540 | 5,561 | 5,579 | 5,592 | 5,595 | 5,600 | 5,602 | 5,620 | 5,629 | 5,649 |
| Wholesale trade | 5,488 | 5,507 | 5,510 | 5,523 | 5,534 | 5,551 | 5,565 | 5,579 | 5,592 | 5,600 | 5,610 | 5,620 | 5,621 |
| Retail trade | 19,633 | 19,651 | 19,657 | 19,699 | 19,750 | 19,798 | 19,888 | 19,888 | 19,976 | 20,009 | 20,055 | 20,158 | 20,139 |
| Finance, insurance, and real estate | 5,473 | 5,484 | 5,508 | 5,528 | 5,542 | 5,565 | 5,569 | 5,571 | 5,580 | 5,583 | 5,591 | 5,597 | 5,600 |
| Services | 32,895 | 32,979 | 33,089 | 33,199 | 33,301 | 33,374 | 33,487 | 33,574 | 33,684 | 33,762 | 33,888 | 33,933 | 34,029 |

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 sufficient precision.

P = preliminary.
 NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1995 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. | Мау | Jun. | Jul. | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| | | | , | | Private no | onfarm pay | yrolls, 356 | industries | ;1 | , | | |
| Over 1-month span: 1995 | 63.8 49.6 56.2 63.8 54.4 | 58.0 64.9 61.0 57.9 58.3 | 54.6 59.4 61.9 58.8 52.1 | 56.5 55.1 62.8 60.5 58.8 | 47.5 61.9 58.8 55.9 51.5 | 54.8 60.8 56.3 57.9 57.0 | 55.6 57.0 60.7 58.0 P57.9 | 59.1 62.5 61.0 55.8 P50.1 | 57.9 57.3 59.4 54.6 | 56.9 63.5 65.4 52.9 | 55.2 59.7 63.6 59.1 | 57.7 61.2 62.1 58.6 |
| Over 3-month span: 1995 1996 1997 1998 1999 | 63.8 62.6 63.8 66.7 60.7 | 62.9 62.5 63.6 66.2 55.9 | 58.0 63.3 67.7 64.5 59.6 | 53.5 63.1 67.3 63.9 54.6 | 53.9 63.1 62.6 61.4 56.3 | 52.7 64.3 61.7 58.7 P56.3 | 59.3 64.3 61.4 60.0 P55.5 | 61.0 62.2 66.2 58.4 | 59.4 64.6 67.3 57.6 | 58.6 64.2 69.9 57.6 | 57.3 66.2 70.8 59.0 | 55.3 63.2 71.2 60.4 |
| Over 6-month span: 1995 | 66.7 62.6 67.4 70.6 61.1 | 59.7 65.2 68.3 66.9 58.8 | 58.6 64.5 65.6 65.9 57.3 | 56.5 65.2 67.0 62.4 P59.4 | 59.0 64.7 65.6 62.6 P55.6 | 60.0 64.6 64.9 61.1 | 57.7 67.0 66.3 58.0 | 61.0 65.4 68.4 59.8 | 60.5 65.9 69.7 60.0 | 59.3 66.7 71.3 60.8 | 61.7 66.9 71.3 60.8 | 63.2 66.7 71.9 58.0 |
| Over 12-month span: 1995 | 63.6 64.5 69.0 70.4 P59.7 | 62.4 66.7 67.3 68.3 P56.7 | 62.6 64.5 68.3 67.1 | 63.3 65.6 69.7 64.0 | 61.7 68.5 69.5 62.1 | 61.9 67.3 70.1 61.7 | 58.7 67.7 70.1 61.8 | 62.2 66.4 70.4 63.8 | 62.2 68.0 70.5 59.8 | 61.5 69.9 69.7 59.0 | 63.5 68.7 69.8 59.3 | 65.4 66.9 71.3 58.6 |
| | | | | | Manufac | turing pay | rolls, 139 i | industries ¹ | | _ | | |
| Over 1-month span: 1995 | 57.2 42.4 50.0 58.6 40.3 | 50.4 55.4 52.9 51.8 42.4 | 47.1 46.8 53.6 50.4 39.6 | 52.9 41.0 56.1 50.4 44.6 | 41.4 55.8 52.2 40.6 36.3 | 45.3 51.4 53.2 46.8 45.3 | 45.0 47.1 51.1 40.3 P57.9 | 51.1 56.5 55.4 45.3 P39.2 | 48.6 48.9 53.6 42.1 | 51.1 55.0 62.2 36.3 | 45.3 50.7 61.2 39.9 | 48.2 54.0 55.4 45.0 |
| Over 3-month span: 1995 | 55.4 46.8 51.8 59.4 37.4 | 51.4 46.0 51.4 57.9 31.7 | 44.2 43.5 57.6 51.8 37.1 | 41.7 46.0 56.8 44.2 30.2 | 43.5 48.2 54.3 41.7 33.8 | 37.4 51.1 51.8 34.9 P43.9 | 42.1 51.8 53.6 37.4 P44.6 | 43.9 49.6 55.4 37.1 | 48.2 53.2 59.7 38.1 | 46.8 52.5 68.3 34.2 | 44.6 55.0 65.8 35.6 | 41.4 50.7 64.4 35.3 |
| Over 6-month span: 1995 1996 1997 1998 1999 | 55.4 41.4 54.7 59.7 33.1 | 45.7 46.0 54.0 49.3 29.1 | 43.2 45.7 51.4 48.2 28.1 | 38.1 47.1 54.3 36.7 P36.3 | 41.7 46.0 52.5 36.7 P31.7 | 42.8 48.6 52.2 36.7 | 41.0 52.9 55.4 28.4 | 42.1 50.4 61.2 31.3 | 43.5 51.8 61.5 33.5 | 43.2 51.4 64.7 35.3 | 44.2 52.5 66.2 32.7 | 45.0 51.8 65.1 28.1 |
| Over 12-month span: 1995 | 46.0 43.5 54.7 54.0 P31.7 | 44.2 47.5 52.5 49.3 P25.9 | 46.0 45.3 54.0 46.0 | 47.8 45.3 54.0 40.6 | 41.0 50.4 55.4 35.6 | 41.7 49.6 56.8 33.8 | 38.5 50.4 57.2 30.9 | 38.8 48.6 57.9 32.0 | 36.3 51.1 58.3 26.6 | 38.5 55.0 56.5 26.6 | 39.9 54.3 55.4 25.5 | 44.6 50.7 57.2 26.3 |

 $^{^{\}rm 1}$ 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.

where 50 percent indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1998) and all seasonally adjusted data (beginning January 1995) are subject to revision.

p = preliminary.

NOTE: Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment,

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted

(In thousands)

| Ctat- | | | 1998 | 3 | | | | | | 1999 | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|---|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Арг. | Мау | June | JulyP |
| | | | | | | | Total [†] | | | | | | <u>, </u> |
| Alabama | 1,916.6 275.2 | 1,918.8 275.5 | 1,917.3 276.3 | 1,916.4 276.8 | 1,916.8 276.6 | 1,923.0 276.1 | 1,927.3 277.8 | 1,929.8 277.5 | 1,929.4 278.0 | 1,932.0 277.5 | 1,933.7 277.3 | 1,933.8 276.3 | 276 |
| Arizona Arkansas California | 2,084.8 1,124.3 13,606.4 | 2,091.0 1,124.7 13,648.4 | 2,099.6 1,125.4 13.679.8 | 2,101.3 1,129.8 13.717.2 | 2,113.4 1,132.0 13.748.8 | | 2,114.4 1,131.4 13.827.9 | 2,117.3 1,131.9 13,833.8 | 2,125.0 1,133.2 13,852.4 | 2,133.6 1,133.2 13,881.7 | 1,133.9 | 2,153.5 1,134.4 13,967.1 | 1,140 |
| Colorado | 2,063.1 | 2,064.8 | 2,070.0 | 2,073.7 | 2,074.6 | 2,076.2 | 2,085.1 | 2,084.8 | 2,086.3 | 2,072.5 | 2,089.6 | 2,092.4 | 2,107 |
| Connecticut | 1,649.3 398.5 610.8 6,698.5 | 1,651.3 401.3 618.7 6,723.1 | 1,645.8 401.7 617.8 6,751.8 | 1,651.4 401.8 615.3 6,757.8 | 1,652.5 403.9 616.4 6,773.0 | 1,660.3 406.1 615.4 6,791.4 | 1,660.5 408.1 615.1 6,809.6 | 1,663.4 408.8 615.3 6,825.1 | 1,663.9 408.7 614.8 6,839.6 | 1,665.4 409.4 615.1 6,867.3 | 1,663.3 411.4 615.6 6,888.7 | 1,665.2 411.4 616.4 6,916.7 | 410 612 |
| Georgia Hawaii daho | 3,741.5 529.3 521.1 | 3,761.4 531.2 523.2 | 3,774.8 536.2 522.8 | 3,772.9 530.7 525.9 | 3,782.9 528.3 527.1 | 3,796.3 527.2 532.8 | 3,800.7 526.5 536.8 | 3,813.7 527.5 537.2 | 3,831.6 527.6 536.5 | 3,834.6 528.9 536.4 | 3,842.5 529.9 533.2 | 3,858.8 530.8 534.1 | 3,857 529 530 |
| llinois ndiana | 5,918.1 2,906.5 | 5,921.4 2,926.6 | 5,921.4 2,937.6 | 5,929.0 2,933.8 | 5,937.5 2,931.5 | 5,947.1 2,940.7 | 5,943.9 2,940.5 | 5,942.8 2,954.5 | 5,944.1 2,956.8 | 5,967.9 2,960.9 | 5,971.0 2,945.9 | 5,977.6 2,955.7 | 5,980 2,950 |
| owa (ansas (entucky .ouisiana | 1,457.3 1,312.0 1,757.5 1,904.9 | 1,454.2 1,316.8 1,761.8 1,905.1 | 1,457.1 1,316.3 1,760.6 1,907.9 | 1,460.1 1,322.4 1,763.7 1,908.2 | 1,460.8 1,328.4 1,763.3 1,913.3 | 1,466.9 1,330.6 1,765.6 1,918.3 | 1,459.7 1,333.8 1,772.8 1,910.8 | 1,467.2 1,334.7 1,773.8 1,909.7 | 1,466.7 1,334.5 1,775.7 1,908.1 | 1,475.3 1,341.8 1,783.0 1,914.3 | 1,479.6 1,340.3 1,788.7 1,914.9 | 1,485.2 1,343.9 1,790.1 1,919.6 | 1,487 1,343 1,795 1,915 |
| Aaine | 570.0 | 570.2 | 573.0 | 574.7 | 576.1 | 577.1 | 578.6 | 579.9 | 580.8 | 581.4 | 581.6 | 583.8 | 583 |
| Maryland Massachusetts Michigan Minnesota | 2,329.5 3,183.5 4,466.8 2,563.2 | 2,334.2 3,185.8 4,525.6 2,568.8 | 2,339.7 3,187.9 4,535.3 2,559.4 | 2,342.5 3,189.9 4,540.1 2,578.4 | 2,346.6 3,191.6 4,543.9 2,584.8 | 2,346.3 3,198.5 4,547.1 2,592.3 | 2,355.3 3,193.9 4,541.7 2,593.2 | 2,361.3 3,203.9 4,537.4 2,589.9 | 2,359.3 3,209.9 4,551.7 2,590.7 | 2,364.1 3,217.5 4,557.2 2,603.1 | 2,365.1 3,217.7 4,557.9 2,604.2 | 2,372.3 3,220.4 4,569.2 2,609.3 | 2,378 3,226 4,584 2,611 |
| Aississippi | 1,141.4 | 1,134.5 | 1,133.2 | 1,134.5 | 1,133.8 | 1,134.9 | 1,135.9 | 1,135.5 | 1,135.4 | 1,133.3 | 1.133.2 | 1,130.8 | 1,139 |
| Aissouri Aontana Jebraska Jevada | 2,688.4 374.4 882.8 927.7 | 2,693.0 374.6 880.1 931.9 | 2,698.6 375.1 881.3 934.0 | 2,702.8 375.3 882.7 943.3 | 2,708.5 376.4 882.6 943.9 | 2,717.6 376.8 886.7 946.7 | 2,711.8 378.2 880.5 949.9 | 2,706.4 378.2 879.6 949.9 | 2,704.0 379.4 875.9 952.4 | 2,704.0 380.2 876.9 955.5 | 2,704.5 379.7 876.7 960.6 | 2,707.8 378.0 879.9 963.3 | 2,720 381 883 969 |
| New Hampshire | 586.5 | 586.7 | 587.8 | 590.7 | 591.2 | 591.5 | 593.7 | 595.7 | 597.5 | 597.8 | 596.5 | 598.3 | 600 |
| lew Jersey lew Mexico Jew York ² lorth Carolina | 3,800.9 721.5 8,235.8 3,795.8 | 3,808.71 722.6 8,257.2 3,816.9 | 3,821.0 722.2 8,263.3 3.806.3 | 3,817.3 723.9 8,280.9 3,811.0 | 3,821.1. 725.3 8,293.1 3,814.5 | 3,833.2. 725.8 8,312.9 3,823.2 | 3,832.7 726.4 8,305.4 3,831.5 | 3,840.3 726.7 8,328.0 3.830.3 | 3.846.7 729.1 8.334.5 3.824.8 | 3,854.8 729.3 8,341.9 3,834.9 | 3,861.1 729.7 8,350.6 3,820.2 | 3,864.7 730.0 8,353.1 3,817.9 | 3,870 730 8,386 3,838 |
| North Dakota | 316.1 | 314.9 | 317.0 | 317.1 | 317.5 | 319.3 | 319.9 | 319.4 | 319.7 | 321.4 | 320.7 | 318.0 | 317 |
| Dhio Dklahoma Dregon Pennsylvania | 5,445.0 1,440.8 1,557.4 5,503.2 | 5,485.3 1,447.0 1,559.5 5,508.2 | 5,489.0 1,447.0 1,561.1 5,516.8 | 5,497.2 1,449.7 1,565.7 5,508.7 | 5,498.2 1,451.6 1,571.2 5,515.5 | 5,501.3 1,454.2 1,573.6 5,526.4 | 5,489.4 1,455.8 1,578.7 5,518.8 | 5,499.2 1,459.9 1,580.1 5,532.1 | 5,498.4 1,465.0 1,584.2 5,528.1 | 5,510.5 1,470.9 1,587.0 5,541.1 | 5,510.5 1,473.4 1,583.6 5,533.4 | 5,521.1 1,477.7 1,582.3 5,533.0 | 5,532 1,473 1,587 5,535 |
| Rhode Island | 459.9 | 459.9 | 462.1 | 461.5 | 460.9 | 461.0 | 458.3 | 459.9 | 461.1 | 464.2 | 461.3 | 462.8 | 465 |
| South Carolina Couth Dakota ennessee | 1,789.2 361.7 2,646.5 | 1,793.6 361.2 2,657.0 | 1,800.0 362.1 2,644.4 | 1,803.2 363.6 2,650.5 | 1,806.0 363.7 2,653.9 | 1,812.0 364.9 2,655.8 | 1,818.8 365.2 2,652.4 | 1,821.1 366.4 2,652.7 | 1,822.6 366.2 2,650.7 | 1,825.1 367.7 2,657.3 | 1,829.3 366.3 2,663.5 | 1,838.2 365.5 2,674.7 | 1,835 366 2,678 |
| Jtah | 8,955.4 1,024.9 | 8,978.9 1,027.9 | 9,001.5 1,032.3 | 9,026.8 1,030.6 | 9,046.6 1,034.2 | 9,063.9 1,036.9 | 9,077.0 1,037.7 | 9,099.4 1,040.1 | 9,118.6 1,042.4 | 9.137.7 1,046.0 | 9,155.9 1,046.5 | 9,181.4 1,048.5 | 9,198 1,051 |
| /ermont /irginia Vashington | 286.0 3,309.3 2,606.3 | 286.8 3,321.3 2,612.5 | 287.0 3,329.0 2,608.7 | 286.1 3,337.8 2,613.7 | 287.1 3,341.7 2,619.0 | 288.6 3,348.8 2,625.6 | 288.9 3,347.2 2,628.6 | 288.8 3,358.3 2,631.6 | 290.1 3,363.9 2,639.9 | 291.1 3,363.1 2,643.9 | 291.2 3,368.9 2,645.0 | 291.2 3,378.9 2,643.6 | 291 3,383 2,656 |
| Vest Virginia Visconsin Vyoming | 2,808.3 717.4 2,712.1 228.6 | 718.9 2,722.8 227.5 | 721.3 2,718.3 226.6 | 722.6 2,720.0 227.3 | 722.6 2,725.1 227.4 | 724.3 2,731.5 228.0 | 726.5 2,727.9 229.1 | 728.9 2.730.9 230.3 | 725.8 2.734.6 229.6 | 723.0 2,740.7 231.8 | 721.2 721.2 2,745.4 231.9 | 2,643.6 724.4 2,738.6 229.4 | 725 2.739 2.30 |

ESTABLISHMENT DATA STATE EMPLOYMENT SEASONALLY ADJUSTED

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(in thousands)

| C 1-7 | | | 1998 | l | | | | | | 1999 | | | |
|----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan, | Feb. | Mar. | Apr. | Мау | June | JulyP |
| | | | | | | Со | nstruction | | | | | | |
| Alabama | 102.8 | 103.7 | 103.0 | 103.7 | 104.6 | 106.2 | 107.1 | 106.9 | 106.6 | 106.7 | 106.4 | 107.2 | 108. |
| Naska | 13.2 | 13.1 | 13.1 | 13.2 | 13.4 | 13.4 | 14.1 | 13.9 | 14.4 | 14.4 | 13.3 | 13.2 | 13. |
| Arizona | 144.5 | 145.21 | 147.0 | 147.3 | 148.9 | 150.1 | 153.5 | 154.0 | 154.9 | 154.9 | 155.1 | 156.5 | 157. |
| Arkansas | 47.7 | 47.6 | 47.6 | 48.1 | 48.4 | 48.4 | 49.3 | 49.5 | 49.4 | 49.4 | 49.7 | 49.6 | 49. |
| California | 608.7 | 612.0 | 614.3 | 621.5 | 625.2 | 627.1 | 641.7 | 632.1 | 631.5 | 636.6 | | 656.2 | 664. |
| Colorado | 133.4 | 134.1 | 136.2 | 137.3 | 136.7 | 135.9 | 138.8 | 137.4 | 138.5 | 136.9 | 138.5 | 137.7 | 139. |
| Connecticut | 57.6 | 57.8 | 58.3 | 58.4 | 58.8 | 60.5 | 61.0 | 61.1 | 61.0 | 61.2 | 60.6 | 59.9 | 60 |
| Delaware | 22.2 | 22.3 | 22.3 | 21.9 | 22.3 | 22.9 | 23.9 | 24.8 | 24.3 | 24.3 | 23.9 | 23.9 | 24. |
| District of Columbia | 9.0 | 9.0 | 9.0 | 8.8 | 8.8 | 8.7 | 8.9 | 8.9 | 8.9 | 9.2 | 9.2 | 9.0 | 9 |
| Florida | 352.6 | 355.1 | 356.3 | 357.9 | 358.4 | 359.7 | 361.6 | 360.9 | 364.7 | 365.8 | 367.0 | 369.0 | 369 |
| Georgia | 183.7 | 185.5 | 186.1 | 187.8 | 189.0 | 192.1 | 192.6 | 191.0 | 191.6 | 192.8 | 193.2 | 196.4 | 195. |
| ławaii ³ | 21.4 | 21.3 | 21.0 | 20.5 | 20.1 | 20.2 | 20.7 | 20.7 | 20.6 | 20.6 | 20.7 | 20.1 | 20. |
| daho | 32.7 | 32.8 | 32.9 | 33.4 | 33.8 | 34.1 | 35.3 | 34.1 | 34.1 | 33.9 | 33.6 | 33 3 | 33. |
| llinois | 240.0 | 239.4 | 239.3 | 240.2 | 240.7 | 241.8 | 243.1 | 243.2 | 241.2 | 247.5 | 246.6 | 247.3 | 247. |
| ndiana | 145.2 | 144.7 | 144.4 | 144.9 | 145.3 | 145.9 | 144.4 | 145.5 | 144.1 | 145.0 | 144.3 | 144.9 | 144. |
| owa | 63.0 | 62.8 | 62.8 | 62.6 | 62.1 | 62.9 | 63.4 | 64.2 | 62.5 | 62.9 | 64.1 | 64.5 | 64. |
| Kansas | 62.3 | 62.2 | 62.0 | 62.6 | 62.5 | 63.8 | 64.8 | 65.1 | 64.1 | 66.2 | 66.1 | 67.1 | 67. |
| Centucky | 84.4 | 84.6 | 84.7 | 85.5 | 84.9 | 85.3 | 86.2 | 87.1 | 84.2 | 87.1 | 87.4 | 88.0 | 87. |
| ouisiana | 130.3 | 129.4 | 128.8 | 129.9 | 130.7 | 130.6 | 131.5 | 131.7 | 132.7 | 133.2 | 133.2 | 133.5 | 132. |
| Maine | 24.9 | 25.0 | 25.1 | 25.1 | 25.0 | 25.1 | 26.2 | 26.6 | 26.7 | 27.4 | 27.3 | 26.9 | 26. |
| Maryland | 142.2 | 143.0 | 143.4 | 143.9 | 143.7 | 143.8 | 144.9 | 146.2 | 144.9 | 144.5 | 144.3 | 144.6 | 144. |
| /lassachusetts | 108.0 | 108.3 | 108.5 | 109.0 | 109.2 | 110.6 | 113.1 | 114.7 | 116.1 | 114.9 | 113.9 | 114.3 | 114. |
| Michigan | 184.7 | 183.6 | 184.7 | 186.8 | 188.3 | 189.6 | 184.1 | 190.4 | 190.6 | 192.3 | 192.2 | 193.4 | 195. |
| /linnesota | 101.0 | 101.3 | 101.9 | 103.3 | 104.5 | 106.5 | 107.7 | 109.0 | 109.2 | 111.5 | 110.3 | 108.5 | 109, |
| MississippiiqqissiseiM | 54.4 | 55.1 | 55.4 | 56.0 | 56.7 | 56.8 | 58.1 | 58.5 | 58.2 | 57.3 | 55.9 | 55.7 | 55. |
| fissouri | 133.5 | 128.7 | 128.8 | 129.4 | 132.0 | 134.7 | 130.0 | 132.9 | 131.7 | 133.7 | 134.1 | 135.5 | 138. |
| Montana | 18.8 | 18.7 | 18.5 | 18.5 | 18.6 | 18.9 | 18.9 | 19.3 | 19.4 | 19.6 | 19.8 | 19.6 | 19.0 |
| lebraska | 41.7 | 42.0 | 42.0 | 42.0 | 41.0 | 42.7 | 41.8 | 42.1 | 40.7 | 40.9 | 40.8 | 41.8 | 41. |
| levada | 85.8 | 86.6 | 86.1 | 86.3 | 86.6 | 87.0 | 88.6 | 87.1 | 86.6 | 86.8 | 86.1 | 86.7 | 88. |
| New Hampshire | 22.6 | 22.8 | 22.9 | 23.5 | 23.7 | 24.0 | 23.6 | 24.2 | 24.2 | 24.5 | 23.8 | 24.0 | 23. |
| lew Jersey | 135.1 | 135.2 | 136.0 | 135.4 | 135.6 | 136.7 | 137.4 | 138.2 | 137.9 | 137.1 | 136.8 | 136.5 | 136. |
| New Mexico | 43.7 | 43.6 | 43.4 | 43.6 | 43.6 | 43.9 | 44.2 | 44.4 | 43.5 | 43.5 | 43.3 | 43.1 | 43. |
| lew York | 281.1 | 283.0 | 283.6 | 285.0 | 287.9 | 290.1 | 292.0 | 296.8 | 296.5 | 297.3 | 298.2 | 299.8 | 302 |
| North Carolina | 216.2 | 216.1 | 215.5 | 217.5 | 218.4 | 219.3 | 220.5 | 220.9 | 218.7 | 219.7 | 217.4 | 216.9 | 215. |
| North Dakota | 15.1 | 14.9 | 15.0 | 14.9 | 14.9 | 15.3 | 14.5 | 15.6 | 15.2 | 15.1 | 15.4 | 15.4 | 15. |
| Dhio | 227.7 | 226.8 | 226.3 | 226.5 | 226.8 | 227.6 | 228.7 | 231.5 | 227.4 | 228.4 | 229.1 | 230.0 | 232. |
| Oklahoma | 54.4 | 54.4 | 54.7 | 54.7 | 55.1 | 55.5 | 55.6 | 54.8 | 55.3 | 55.4 | 55.5 | 56.3 | 56. |
| Oregon | 82.5 | 82.5 | 81.6 | 83.7 | 83.3 | 84.3 | 85.6 | 85.1 | 85.5 | 85.7 | 85.3 | 84.1 | . 83. |
| Pennsylvania | 219.8 15.3 | 220.6 15.7 | 220.6 15.8 | 220.6 15.9 | 222.3 15.6 | 224.5 15.8 | 222.3 15.2 | 230.7 15.3 | 228.8 15.8 | 230.2 16.4 | 228.3 15.8 | 226.3 16.0 | 226. 16. |
| 1 | | | 1 | | | | | | | | | | |
| South CarolinaSouth Dakota | 106.3 16.1 | 106.8 16.0 | 107.9 15.9 | 108.6 16.2 | 108.8 16.2 | 109.6 16.4 | 109.8 16.4 | 110.2 16.6 | 111.0 16.7 | 111.6 16.7 | 111.6 16.8 | 112.3 16.6 | 112. 16. |
| ennessee | 123.9 | 124.6 | 124.9 | 125.7 | 126.0 | 126.8 | 128.8 | 128.0 | 126.2 | 128.1 | 128.0 | 128.6 | 131. |
| Texas | 501.6 | 503.1 | 503.0 | 507.1 | 508.2 | 508.8 | 512.5 | 518.0 | 518.7 | 523.1 | 523.5 | 523.9 | 528. |
| Jtah | 68.0 | 68.7 | 69.3 | 70.1 | 70.7 | 71.5 | 71.6 | 71.2 | 70.9 | 71.6 | | 72.9 | 73. |
| Vermont | 14.3 | 14.1 | 14.0 | 13.9 | 13.9 | 14.4 | 15,1 | 15.0 | 15.1 | 15.7 | 14.9 | 14.5 | 14. |
| /irginia | 188.8 | 189.7 | 190.4 | 192.1 | 192.4 | 192.9 | 193.0 | 194.7 | 194.9 | 196.8 | 196.4 | 196.6 | 196 |
| Vashington | 142.9 | 143.0 | 142.7 | 143.5 | 144.0 | 145.0 | 146.3 | 146.6 | 147.3 | 147.8 | 148.4 | 149.4 | 151. |
| Vest Virginia | 34.3 | 33.9 | 34.3 | 34.9 | 35.0 | 35.7 | 35.5 | 36.9 | 34.6 | 34.5 | 33.9 | 34.2 | 34. |
| Visconsin | 112.5 | 112.9 | 112.8 | 113.5 | 114.9 | 116.7 | 116.2 | 117.7 | 118.5 | 121.3 | 118.3 | 116.3 | 116. |
| Vyoming | 15.9 | 15.7 | 15.5 | 15.6 | 15.7 | 15.9 | 16.6 | 16.7 | 16.5 | 17.0 | 17.0 | 16.3 | 16. |
| Tyoning | 10.9 | 13.7 | 19.9 | 10.0 | 13.7 | 10.9 | 10.0 | 10.7 | 10.5 | 17.0 | 17.0 | 10.3 | (6. |

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

| Comme | | | 1998 | 3 | | | | | | 1999 | | | |
|--------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | JulyP |
| | | | | | | Ma | nufacturin | 9 | | | | | |
| Alabama | 380.6 | 379.6 | 379.6 | 377.6 | 374.4 | 374.9 | 375.5 | 373.1 | 372.6 | 370.9 | 371.6 | 369.7 | 371.4 |
| Alaska | | 14.4 | 14.7 | 15.1 | 15.1 | 13.4 | 15.7 | 15.4 | 14.3 | 13.2 | 14.1 | 13.9 | 14.4 |
| Arizona Arkansas | 217.0 253.6 | 217.4 253.7 | 217.8 254.1 | 218.1 254.0 | 218.2 253.8 | 218.6 254.1 | 217.4 254.5 | 217.5 254.2 | 218.0 253.7 | 218.4 252.8 | 218.4 253.0 | 219.0 251.8 | 217.8 253.0 |
| California | | 1,964.6 | 1,965.6 | 1,965.7 | 1,960.6 | 1,959.5 | | | 1,948.9 | 1,950.0 | 1,950.9 | 1,950.4 | 1,943.3 |
| Colorado | 208.3 | 207.3 | 206.3 | 206.3 | 206.0 | 205.6 | 206.0 | 206.3 | 206.5 | 206.2 | 206.4 | 206.0 | 205.6 |
| Connecticut | | 279.3 | 278.0 | 277.4 | 276.4 | 275.6 | 276.3 | 276.0 | 276.7 | 276.3 | 275.8 | 274.1 | 273.3 |
| Delaware | | 59.9 | 59.8 | 60.1 | 60.5 | 60.6 | 59.8 | 59.7 | 59.7 | 59.1 | 59.8 | 59.9 | 57.7 |
| District of Columbia | | 12.6 | 12.5 | 12.5 | 12.5 | 12.6 | 12.1 | 12.2 | 12.1 | 12.1 | 12.1 | 12.0 | 12.1 |
| -lorida | 498.9 | 499.1 | 499.6 | 497.8 | 498.0 | 498.5 | 497.5 | 498.0 | 496.9 | 498.6 | 498.1 | 497.8 | 497.8 |
| Georgia | | 595.1 | 594.4 | 595.2 | 595.7 | 597.0 | 596.3 | 596.2 | 596.0 | 594.8 | 593.1 | 593.8 | 590.9 |
| ławaii | | 16.2 | 16.5 | 16.2 | 16.2 | 16.2 | 16.2 | 16.2 | 16.1 | 16.2 | 16.2 | 16.1 | 16.1 |
| daho | | 75.9 | 76.0 | 75.9 | 76.2 | 76.1 | 75.9 | 76.4 | 76.3 | 76.7 | 75.7 | 75.9 | 76.2 |
| llinois | 979.6 675.1 | 978.0 685.1 | 978.4 684.1 | 975.8 685.1 | 973.2 684.6 | 973.1 684.9 | 973.1 686.5 | 974.4 686.9 | 972.0 685.4 | 972.0 686.9 | 969.4 683.5 | 971.6 685.0 | 968.5 688.4 |
| ndiana | 1 1 | | | | | | | | | | | | 088.4 |
| owa | | 263.3 | 262.9 | 263.3 | 263.4 | 263.6 | 262.4 | 265.0 | 264.8 | 265.4 | 266.6 | 267.6 | 267.3 |
| Kansas | | 213.7 | 213.9 | 214.1 | 214.2 | 214.4 | 214.8 | 214.9 | 213.8 | 213.3 | 213.1 | 213.2 | 212.2 |
| Kentucky _ouisiana | | 321.6 192.4 | 321.4 191.8 | 322.8 191.2 | 321.9 191.9 | 321.4 192.0 | 321.2 191.5 | 320.3 191.5 | 320.2 191.1 | 319.2 190.6 | 317.6 190.0 | 315.9 191.1 | 320.3 191.0 |
| Maine | 86.5 | 86.2 | 86.9 | 85.9 | 85.9 | 85.4 | 86.6 | 86.4 | 85.7 | 84.6 | 84.7 | 84.9 | 84.7 |
| wallo | 0.5 | ۵.2 | 00.9 | 00.5 | 05.5 | 00.4 | 00.0 | 80.4 | 00.7 | 04.0 | 04.7 | G4.5 | 84.7 |
| Maryland | 176.4 | 176.1 | 176.7 | 177.2 | 176.6 | 176.7 | 176.5 | 177.0 | 177.0 | 177.5 | 176.8 | 176.8 | 178.7 |
| Massachusetts | 450.1 915.3 | 447.1 972.2 | 445.3 971.5 | 443.4 970.6 | 441.5 966.9 | 440.2 966.7 | 438.4 962.8 | 436.4 957.9 | 436.0 963.4 | 435.6 961.7 | 435.0 963.2 | 434.7 963.9 | 435.4 969.6 |
| Michigan Minnesota | | 444.6 | 444.2 | 445.1 | 966.9 445.1 | 900.7 445.0 | 443.9 | 957.9 443.7 | 441.0 | 961.7 441.9 | 963.2 442.7 | 963.9 441.7 | 969.6 441.9 |
| Mississippi | | 243.7 | 244.4 | 244.9 | 244.3 | 244.9 | 244.3 | 241.4 | 240.6 | 240.1 | 239.3 | 240.0 | 241.0 |
| Missouri | 415.5 | 423.3 | 423.4 | 421.6 | 419.6 | 420.0 | 420.6 | 417.0 | 416.8 | 414.7 | 413.6 | 413.7 | 417.9 |
| Montana | 24.5 | 24.5 | 24.6 | 24.8 | 25.0 | 25.0 | 24.8 | 24.9 | 24.8 | 24.6 | 24.6 | 24.4 | 24.5 |
| Nebraska | 119.4 | 118.7 | 118.6 | 118.3 | 117.8 | 118.0 | 118.3 | 117.9 | 117.7 | 117.6 | 116.9 | 116.8 | 118.0 |
| levada | 42.5 | 42.4 | 42.5 | 42.5 | 42.5 | 42.4 | 42.1 | 41.9 | 42.3 | 42.3 | 42.6 | 43.0 | 43.1 |
| New Hampshire | 107.7 | 107.2 | 107.3 | 107.3 | 107.3 | 107.3 | 107.1 | 106.8 | 106.8 | 106.2 | 105.8 | 105.9 | 106.7 |
| New Jersey | | 476.9 | 476.2 | 474.5 | 473.7 | 473.6 | 474.4 | 470.7 | 469.0 | 469.1 | 467.5 | 466.3 | 466.7 |
| New Mexico | | 44.6 | 44.4 | 44.1 | 44.1 | 44.1 | 44.3 | 44.3 | 44.1 | 44.1 | 44.1 | 43.6 | 43.4 |
| New York | | 918.8 | 917.7 | 916.8 | 914.6 | 915.0 | 915.0 | 912.5 | 909.3 | 906.6 | 905.2 | 905.8 | 904.7 |
| North Carolina North Dakota | 826.0 24.0 | 825.3 24.1 | 823.8 24.1 | 821.7 23.8 | 820.4 24.2 | 818.4 24.3 | 817.7 23.9 | 815.7 23.7 | 811.6 23.7 | 811.0 23.8 | 809.3 24.0 | 808.0 23.9 | 808.2 23.5 |
| Noni Dakota | 24.0 | 24.1 | 24.1 | 23.8 | 24.2 | 24.3 | 23.9 | 23.7 | 23.7 | 23.8 | 24.0 | 23.9 | 23.5 |
| Ohio | 1.059.4 | 1,095.8 | 1.096.0 | 1.097.7 | 1,093.8 | 1,091.8 | 1,093.6 | 1.088.9 | 1,086.1 | 1,086.8 | 1,085.0 | 1.086.6 | 1.087.5 |
| Oklahoma | | 186.3 | 185.9 | 186.2 | 186.3 | 186.1 | 186.7 | 186.2 | 186.5 | 186.2 | 186.2 | 186.9 | 186.4 |
| Oregon | 244.3 | 243.2 | 242.0 | 241.5 | 241.7 | 241.9 | 242.8 | 242.2 | 242.0 | 241.7 | 240.9 | 238.9 | 237.8 |
| Pennsylvania Rhode Island | | 945.5 78.5 | 942.9 78.6 | 939.8° 78.4 | 939.7 78.1 | 938.1 77.9 | 935.3 77.9 | 935.2 78.4 | 934.2 78.3 | 933.5 78.6 | 930.6 77.5 | 931.0 77.8 | 933.7 78.8 |
| | <u> </u> | | | | | | | | | | | | |
| South Carolina | | 362.6 49.7 | 364.5 49.8 | 363.1 49.8 | 363.1 49.8 | 363.2 50.0 | 363.7 | 362.7 | 361.9 49.9 | 362.0 | 361.4 | 361.4 | 361.0 |
| South Dakota Tennessee | 515.3 | 514.0 | 512.3 | 511.2 | 510.0 | 509.7 | 50.2 509.8 | 50.1 508.1 | 505.8 | 49.7 505.5 | 49.3 507.1 | 48.6 505.3 | 48.8 509.1 |
| Texas | 1,107.5 | 1,108.5 | 1,107.7 | 1,107.2 | 1,106.5 | 1.106.7 | 1,104.5 | 1,102.1 | 1,100.3 | 1,099.4 | 1,098.5 | 1,098.9 | 1,103.0 |
| Utah | | 133.6 | 133.6 | 133.2 | 134.1 | 134.1 | 133.6 | 133.6 | 134.2 | 134.1 | 133.6 | 133.8 | 134.2 |
| Vermont | 48.4 | 48.5 | 48.5 | 48.5 | 48.5 | 48.8 | 48.5 | 48.3 | 48.5 | 48.7 | 48.9 | 48.7 | 49.1 |
| Virginia | 403.4 | 404.7 | 404.6 | 403.3 | 402.5 | 401.9 | 401.8 | 402.3 | 401.0 | 392.1 | 392.3 | 395.2 | 395.3 |
| Washington | | 380.4 | 378.7 | 376.4 | 375.4 | 374.6 | 373.4 | 371.8 | 371.9 | 369.5 | 368.2 | 366.0 | 363.8 |
| West Virginia | 82.7 | 82.2 | 82.0 | 82.2 | 82.2 | 82.1 | 80.5 | 80.9 | 81.8 | 81.7 | 82.0 | 81.5 | 82.5 |
| Wisconsin | 611.3 | 618.4 | 616.5 10.9 | 615.4 | 616.1 | 615.8 | 616.5 | 615.0 | 614.7 | 613.1 | 613.2 | 610.1 | 607.3 |
| Wyoming | 10.9 | 11.0 | 10.9 | 10.8 | 10.8 | 10.9 | 10.9 | 11.1 | 10.8 | 11.0 | 11.4 | 11.3 | 11.3 |

ESTABLISHMENT DATA STATE EMPLOYMENT SEASONALLY ADJUSTED

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

| C+-: | | | 1998 | <u> </u> | | | | | | 1999 | | | |
|------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | JulyP |
| | | | | | Tra | ansportatio | n and pub | olic utilities | | | r | | |
| Nabama | 92.7 | 92.7 | 92.6 | 92.5 | 92.6 | 92.7 | 93.6 | 93.9 | 93.4 | 93.9 | 93.8 | 93.9 | 94 |
| Naska | | 25.9 | 25.7 | 25.8 | 25.8 | 25.9 | 25.8 | 25.8 | 25.8 | 25.8 | 25.5 | 26.2 | 26 |
| Arizona | 101.0 | 101.4 | 102.8 | 102.8 | 103.2 | 104.0 | 105.0 | 104.6 | 105.3 | 105.8 | 106.0 | 106.0 | 106 |
| Arkansas | 68.0 | 68.2 | 68.3 | 69.0 | 69.1 | 69.2 | 68.4 | 68.6 | 68.5 | 68.7 | 68.9 | 69.3 | 69 |
| California | 695.0 | 695.0 | 696.2 | 697.3 | 699.2 | 701.8 | 705.6 | 706.9 | 707.5 | 710.2 | 711.8 | 715.0 | 716 |
| Colorado | 129.6 | 130.4 | 131.1 | 131.4 | 132.0 | 132.2 | 132.1 | 132.5 | 133.0 | 133.1 | 133.2 | 132.8 | 133 |
| Connecticut | | 76.8 | 70.5 | 76.4 | 76.2 | 76.2 | 76.2 | 76.6 | 76.5 | 75.9 | 75.6 | 74.9 | 7€ |
|)elaware | | 16.3 | 16.5 | 16.5 | 16.8 | 16.9 | 17.3 | 17.3 | 17.3 | 17.4 | 17.7 | 17.8 | 17 |
| District of Columbia | | 16.1 | 15.8 | 15.8 | 15.8 | 15.8 | 16.1 | 16.0 | 15.8 | 15.8 | 15.8 | 15.5 | 18 |
| lorida | 336.5 | 339.2 | 341.4 | 341.8 | 343.0 | 344.6 | 347.4 | 347.3 | 347.2 | 348.9 | 350.8 | 351.0 | 351 |
| eorgia | | 243.6 | 244.3 | 245.2 | 246.2 | 247.2 | 247.7 | 249.8 | 251.4 | 252.9 | 254.5 | 255.9 | 256 |
| ławaii | 41.4 | 41.1 25.9 | 41.2 | 40.7 | 40.4 25.8 | 40.1 | 40.2 | 40.2 | 40.1 | 40.4 | 40.4 | 40.4 | 40 |
| daho | | | 25.9 348.0 | 26.0 349.4 | | 25.9 | 26.4 | 26.3 350.4 | 26.4 | 26.3 | 26.2 | 26.3 | 26 |
| llinoisndiana | | 347.6 144.8 | 144.8 | 145.2 | 350.4 145.5 | 352.0 145.8 | 350.8 146.4 | 146.3 | 352.0 146.4 | 351.8 145.9 | 351.9 144.6 | 352.5 144.9 | 352 146 |
| | 1 | | | | | | | | | | | | |
| owa | 69.8 | 69.8 | 70.0 | 70.4 | 70.5 | 70.8 | 70.3 | 70.6 | 71.0 | 71.7 | 71.9 | 72.4 | 72 |
| (ansas | | 74.8 | 75.2 | 76.2 | 76.5 | 77.2 | 76.9 | 77.0 | 76.7 | 76.6 | 76.5 | 76.3 | 76 |
| Centucky | 101.8 114.0 | 102.3 114.4 | 102.6 114.6 | 102.5 115.0 | 102.2 | 102.8 | 103.3 | 103.9 | 104.2 | 104.9 | 104.8 | 105.0 | 105 |
| ouisiana Maine | 23.6 | 23.6 | 23.6 | 23.9 | 115.6 23.9 | 116.3 24.0 | 115.2 24.2 | 115.6 24.2 | 115.0 24.2 | 115.2 24.1 | 115.7 24.4 | 115.8 24.3 | 115 |
| Manie | 23.0 | 23.0 | 23.6 | 23.9 | 23.9 | 24.9 | 24.2 | 24.2 | 24.2 | 24.1. | 24.4 | 24.3 | 24 |
| faryland | 108.8 | 109.7 | 109.5 | 109.8 | 109.9 | 110.0 | 110.8 | 110.6 | 111.3 | 113.2 | 113.1 | 112.4 | 113 |
| fassachusetts | 137.0 | 136.2 | 136.2 | 135.6 | 135.4 | 135.4 | 137.4 | 137.7 | 137.2 | 138.1 | 137.7 | 138.2 | 137 |
| flichigan | 178.1 | 178.1 128.9 | 177.8 | 178.4 | 178.5 | 178.2 | 180.4 | 179.1 | 180.1 | 180.4 | 178.8 | 179.7 | 179 |
| finnesotafinnesota | 128.9 53.8 | 53.9 | 116.3 53.7 | 129.2 53.8 | 129.6 53.0 | 130.3 53.5 | 130.5 54.1 | 130.4 54.3 | 130.5 54.4 | 131.6 54.3 | 131.5 54.0 | 131.0 54.7 | 130 54 |
| wildersalppi | 1 1 | 30.9 | 30.7 | 33.0 | 33.0 | 33.3 | 34.1 | 34.3 | 34.4 | 54.5 | 34.0 | 34 .7 | , ,,, |
| Missouri | | 164.9 | 165.4 | 165.7 | 166.1 | 166.9 | 167.3 | 166.9 | 165.5 | 165.9 | 165.7 | 165.0 | 166 |
| Montana | 21.6 | 21.4 | 21.4 | 21.7 | 21.7 | 21.8 | 22.0 | 22.0 | 22.1 | 22.0 | 22.0 | 21.9 | 21 |
| Nebraska | | 56.6 | 57.1 | 57.4 | 57.8 | 58.2 | 58.1 | 58.7 | 58.6 | 58.8 | 58.8 | 59.3 | 59 |
| levada | 47.8 | 47.9 | 48.0 | 48.2 | 48.2 | 48.3 | 48.7 | 48.7 | 48.7 | 48.7 | 49.2 | 49.6 | 50 |
| New Hampshire | 20.6 | 20.9 | 20.8 | 21.0 | 21.1 | 21.1 | 21.3 | 21.0 | 20.9 | 21.2 | 21.2 | 21.4 | 21 |
| lew Jersey | 261.2 | 261.7 | 262.9 | 262.0 | 261.5 | 261.6 | 262.6 | 263.4 | 263.4 | 263.6 | 262.8 | 263.4 | 262 |
| New Mexico | 33.6 | 33.8 | 33.7 | 33.7 | 33.9 | 33.9 | 34.1 | 34.0 415.8 | 34.3 | 34.0 | 33.9 | 34.1 416.1 | 34 416 |
| New York | | 412.5 | 413.5 | 413.1 | 412.9 | 412.7 | 415.5 175.2 | 174.9 | 415.0 174.9 | 417.0 175.4 | 416.3 174.7 | 174.6 | 175 |
| North Carolina | | 172.6 17.5 | 172.8 17.6 | 172.8 17.7 | 173.7 17.6 | 173.3 17.7 | 17.8 | 174.9 | 174.9 | 175.4 | 174.7 | 174.6 | 173 |
| North Dakota | | | | (7.7 | | | | | | | i ' | | |
| Ohio | | 242.4 | 242.9 | 243.2 | 243.0 | 242.7 | 242.7 | 242.4 | 242.7 | 243.8 | 243.5 | 243.7 | 244 |
| Oklahoma | | 82.9 | 82.9 | 83.2 | 83.5 | 83.5 | 84.0 | 84.5 | 83.9 | 83.9 | 83.9 | 84.3 | 84 |
| Oregon | | 76.1 | 77.0 | 76.7 | 76.8 | 77.0 | 77.6 | 77.9 | 78.4 | 78.3 | 78.9 | 79.6 | 79 |
| Pennsylvania Rhode Island | | 286.4 16.1 | 286.8 16.2 | 287.1 16.1 | 287.5 16.1 | 287.3 16.0 | 288.2 16.2 | 288.8 16.0 | 288.8 16.2 | 289.7 16.3 | 288.9 16.1 | 288.6 16.1 | 289 15 |
| THOUGH ISIANG | l i | | | | | | | | | | | 1 | |
| South Carolina | 76.8 16.7 | 76.8 16.7 | 77.3 16.9 | 77.5 16.7 | 77.6 16.8 | 78.0 16.9 | 79.0 16.6 | 79.6 16.8 | 79.1 17.0 | 79.6 16.9 | 80.0 16.9 | 80.1 16.6 | 79 16 |
| South Dakota | | 158.3 | 158.6 | 158.6 | 158.2 | 158 2 | 159.9 | 159.7 | 159.9 | 160.4 | 161.6 | 162.2 | 162 |
| Texas | 1 - 1 - 1 | 545.9 | 547.5 | 549.1 | 550.5 | 551.6 | 556.2 | 557.4 | 557.5 | 559.3 | 560.3 | 561.4 | 562 |
| Jtah | | 59.1 | 59.2 | 59.3 | 59.3 | 59.5 | 59.5 | 59.8 | 59.8 | 59.8 | 60.2 | 59.9 | 59 |
| /ermont | 12.5 | 12.5 | 12.7 | 12.6 | 12.6 | 12.5 | 12.5 | 12.6 | 12.5 | 12.5 | 12.3 | 12.4 | 12 |
| /irginia | 1 1 | 173.7 | 173.8 | 174.7 | 174.9 | 175.6 | 176.2 | 176.2 | 176.3 | 178.2 | 179.1 | 180.7 | 181 |
| Vashington | | 137.1 | 137.4 | 137.6 | 138.4 | 138.8 | 138.6 | 139.4 | 139.3 | 139.7 | 139.6 | 139.5 | 140 |
| West Virginia | | 38.9 | 39.3 | 39.4 | 39.3 | 39.2 | 39.4 | 39.6 | 39.5 | 39.0 | 39.1 | 39.3 | 39 |
| Nisconsin | | 128.0 | 128.2 | 128.2 | 128.4 | 128.9 | 128.8 | 128.4 | 128.6 | 128.6 | 127.6 | 127.5 | 128 |
| Nyoming | | 13.9 | 13.9 | 14.0 | 13.9 | 14.0 | 13.8 | 14.0 | 14.2 | 14.0 | 14.0 | 14.1 | 14 |

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(in thousands)

| | | | 1998 | 3 | | | | | | 1999 | | | |
|----------------------|---------|---------------|---------------|---------------|---------------|---------|---------|----------|---------|---------------|---------|---------------|-------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | JulyP |
| | | | | | | | Trade | | | | | | |
| Alabama | 444.1 | 444.0 | 442.8 | 443.4 | 443.3 | 444.9 | 446.4 | 448.5 | 450.7 | 450.9 | 451.9 | 452.8 | 452. |
| Naska | 56.9 | 57.0 | 57.4 | 57.0 | 56.6 | 57.3 | 56.9 | 57.2 | 57.7 | 57.9 | 57.6 | 58.0 | 57. |
| Arizona | 500.0 | 502.5 | 503.6 | 504.0 | 504.5 | 506.1 | 509.7 | 510.6 | 513.5 | 514.2 | 514.9 | 516.5 | 516. |
| Arkansas | 256.2 | 256.6 | 257.3 | 257.9 | 258.2 | 258.3 | 258.4 | 258.0 | 259.9 | 259.4 | 259.2 | 259.9 | 261. |
| California | 3,127.6 | 3,135.5 | 3,138.4 | 3,141.4 | 3,148.8 | 3,158.5 | 3,154.9 | 3,153.5 | 3,157.4 | 3,154.4 | 3,158.4 | 3,166.0 | 3,168. |
| Colorado | 495.7 | 497.2 | 498.9 | 499.3 | 500.1 | 500.8 | 503.4 | 504.3 | 504.5 | 507.2 | 507.2 | 510.1 | 511. |
| Connecticut | 355.1 | 355.4 | 354.5 | 355.4 | 356.9 | 358.9 | 357.8 | 359.5 | 359.1 | 358.4 | 358.3 | 358.7 | 358. |
| Delaware | 86.7 | 87.1 | 87.8 | 87.8 | 88.0 | 88.4 | 88.6 | 88.8 | 89.0 | 89.3 | 89.6 | 89.9 | 90. |
| District of Columbia | 48.9 | 48.7 | 49.3 | 48.5 | 48.5 | 48.5 | 47.4 | 48.0 | 47.8 | 48.3 | 48.6 | 48.8 | 49 |
| Florida | 1,687.0 | 1,693.5 | 1,697.2 | 1,699.1 | 1,700.5 | 1,702.9 | 1,709.0 | 1,707.1 | 1,714.4 | 1,719.7 | 1,720.5 | 1,729.0 | 1,731. |
| Georgia | 931.5 | 932.7 | 935.4 | 934.5 | 935.3 | 936.4 | 935.6 | 940.1 | 947.8 | 948.1 | 949.1 | 954.3 | 953. |
| Hawaii | 131.0 | 131.8 | 131.7 | 131.7 | 131.1 | 130.7 | 130.7 | 130.6 | 130.7 | 130.7 | 130.7 | 130.8 | 130. |
| daho | 132.2 | 132.9 | 132.9 | 133.5 | 134.2 | 134.3 | 135.4 | 135.8 | 135.1 | 134.9 | 133.9 | 133.9 | 133. |
| llinois | 1,338.1 | 1,337.2 | 1,337.9 | 1,342.3 | 1,345.4 | 1,347.4 | 1,352.9 | 1,354.3 | 1,355.4 | 1,358.2 | 1,355.2 | 1,353.1 | 1,353. |
| ndiana | 691.5 | 690.5 | 690.5 | 689.9 | 686.2 | 688.7 | 698.9 | 699.5 | 699.9 | 696.3 | 691.5 | 693.2 | 692. |
| lowa | 355.0 | 355.1 | 355.7 | 356.1 | 357.0 | 358.2 | 358.7 | 360.8 | 360.5 | 362.7 | 362.8 | 362.4 | 362. |
| Kansas | 319.0 | 319.1 | 319.1 | 319.0 | 321.0 | 322.3 | 322.9 | 323.9 | 325.2 | 325.8 | 326.6 | 327.8 | 328. |
| Kentucky | 417.7 | 418.2 | 417.6 | 418.7 | 418.8 | 419.8 | 421.2 | 420.7 | 424.6 | 425.9 | 427.7 | 427.9 | 428. |
| Louisiana | 443.9 | 445.6 | 446.0 | 445.B | 447.5 | 448.8 | 446.2 | 444.6 | 444.7 | 446.8 | 448.4 | 448.3 | 447. |
| Maine | 142.2 | 143.0 | 143.9 | 145.2 | 146.2 | 146.1 | 145.2 | 144.9 | 145.8 | 145.5 | 145.9 | 146.2 | 145. |
| Maryland | 540.2 | 539.1 | 538.7 | 538.4 | 539.3 | 537.4 | 540.7 | 540.5 | 541.1 | 542.5 | 544.0 | 544.6 | 545. |
| Massachusetts | 723.7 | 724.8 | 726.2 | 725.8 | 726.7 | 727.2 | 722.1 | 728.0 | 730.3 | 733.4 | 733.0 | 733.5 | 739. |
| Michigan | 1.066.5 | 1,067.7 | 1,071.2 | 1,072.3 | 1,075.0 | 1,076.1 | 1,079.3 | 1.078.4 | 1,082.8 | 1,086.7 | 1,083.1 | 1,083.3 | 1,085. |
| Minnesota | 617.5 | 617.6 | 617.9 | 618.8 | 620.1 | 621.3 | 622.7 | 620.5 | 620.5 | 621.9 | 623.8 | 628.7 | 629 |
| Mississippi | 246.0 | 244.9 | 244.4 | 244.9 | 244.0 | 243.6 | 244.0 | 247.3 | 248.3 | 246.8 | 247.0 | 244.8 | 244. |
| Missouri | 634.5 | 635.4 | 636.4 | 636.1 | 635.7 | 638.3 | 637.2 | 640.2 | 640.1 | 639.8 | 638.6 | 637.6 | 640. |
| Montana | 100.6 | 100.9 | 100.7 | 100.4 | 100.6 | 100.8 | 101.2 | 101.4 | 101.5 | 101.6 | 101.8 | 102.2 | 101. |
| Nebraska | 213.6 | 213.3 | 214.3 | 214.6 | 214.9 | 214.4 | 212.7 | 211.8 | 211.6 | 212.5 | 213.2 | 212.1 | 214. |
| Nevada | 190.2 | 190.5 | 191.1 | 192.1 | 192.3 | 193.6 | 194.5 | 194.7 | 195.6 | 196.9 | 197.4 | 199.0 | 200. |
| New Hampshire | 152.4 | 152.5 | 152.7 | 154.3 | 153.9 | 154.9 | 154.2 | 155.0 | 155.8 | 154.2 | 154.6 | 154.7 | 156. |
| New Jersey | 883.9 | 885.2 | 889.0 | 888.4 | 890.5 | 895.5 | 896.2 | 898.2 | 900.0 | 901.9 | 903.6 | 904.8 | 907. |
| New Mexico | 170.8 | 170.6 | 171.2 | 171.8 | 172.0 | 172.2 | 171.5 | 172.4 | 173.0 | 172.9 | 172.6 | 172.9 | 173. |
| New York | 1,664.5 | 1,665.5 | 1,668.9 | 1,671.2 | 1,675.3 | 1,678.4 | 1,675.8 | 1,676.7 | 1,678.2 | 1,673.7 | 1,678.1 | 1,680.0 | 1,684. |
| North Carolina | 858.2 | 859.9 | 862.1 | 864.8 | 863.6 | 867.2 | 873.0 | 873.9 | 875.5 | 878.6 | 873.5 | 875.4 | 875. |
| North Dakota | 81.0 | 81.0 | 81.1 | 81.0 | 80.6 | 80.7 | 81.3 | 81.2 | 81.5 | 82.1 | 81.3 | 81.2 | 81. |
| Ohio | 1,326.5 | 1,328.0 | 1,328.4 | 1,328.6 | 1,332.1 | 1,334.8 | 1,332.0 | 1.333.9 | 1,336.7 | 1,334.8 | 1.335.2 | 1,337.1 | 1,337. |
| Oklahoma | 331.2 | 331.8 | 331.7 | 332.6 | 333.9 | 334.8 | 334.2 | 335.7 | 337.2 | 338.6 | | 339.6 | 337. |
| Oregon | 385.0 | 384.2 | 384.7 | 385.6 | 386.5 | 387.7 | 386.6 | 386.5 | 387.8 | 389.9 | 387.7 | 388.9 | 387. |
| Pennsylvania | 1,233.5 | 1.235.5 | 1.235.5 | 1.234.5 | 1,235.8 | 1.238.7 | 1.235.3 | 1.239.3 | 1,242.9 | 1.241.2 | 1.242.5 | 1,244.4 | 1.244 |
| Rhode Island | 99.5 | 99.7 | 100.1 | 99.7 | 99.9 | 100.2 | 99.8 | 99.8 | 99.6 | 100.5 | 100.6 | 101.0 | 101. |
| South Conding | 430.4 | 401.0 | 433.1 | 405.1 | 437.4 | 440,2 | 438.0 | 440.4 | 440.0 | 441.0 | 442.5 | 442.0 | 444. |
| South Carolina | 89.3 | 431.6 89.1 | 433.1 89.2 | 435.1 89.1 | 437.4 89.3 | 89.8 | 91.1 | 90.6 | 89.8 | 441.0 91.1 | 90.9 | 443.2 90.5 | 444. 89. |
| Tennessee | 626.1 | 626.0 | 626.8 | 627.8 | 629.4 | 629.8 | 627.0 | 627.7 | 628.7 | 633.7 | 637.4 | 637.3 | 640. |
| Texas | 2.108.5 | 2.112.4 | 2.117.9 | 2.121.3 | 2.124.7 | 2.128.4 | 2.126.3 | | 2.142.1 | 2,145.0 | | 2,153.9 | 2.151 |
| Jtah | 242.9 | 243.4 | 243.3 | 243.2 | 242.6 | 242.8 | 245.4 | 244.9 | 246.6 | 247.0 | 247.2 | 247.7 | 248. |
| Vermont | 65.7 | 65.7 | 65.8 | 65.8 | 66.0 | 66.0 | 64.9 | 65.5 | 65.7 | 65.5 | 65.0 | 66.2 | 65. |
| Virginia | 731.7 | 734.8 | 735.3 | 739.5 | 739.1 | 739.9 | 739.9 | 742.4 | 744.8 | 743.8 | 745.1 | 744.2 | 742 |
| Washington | 625.7 | 627.8 | 629.4 | 631.4 | 633.4 | 635.7 | 635.5 | 636.3 | 639.5 | 641.3 | 641.6 | 641.6 | 642 |
| West Virginia | 163.1 | 163.4 | 164.2 | 164.6 | 164.5 | 164.4 | 165.6 | 166.8 | 166.9 | 166.7 | 166.1 | 167.1 | 167. |
| | | | 609.6 | 610.5 | 609.6 | 612.1 | 609.6 | 611.5 | 613.2 | 614.4 | | | 613 |
| Wisconsin | 610.2 | 610.7 | 0.09.0 | 010.5 | 003.01 | VIE. 11 | 003.01 | וט.ווט ן | 013.21 | 014.4 | 615.6 | 614.7 |) DIJ. |

ESTABLISHMENT DATA STATE EMPLOYMENT SEASONALLY ADJUSTED

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(in thousands)

| G | | | 1998 | 3 | | | L | | | 1999 | | | |
|----------------------|-------|-------|-------|-------|-------|------------|-----------|--------------|-------|-------|-------|-------|-------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | July¤ |
| | | | | | Fina | nce, insur | ance, and | l real estat | е | | | | |
| Alabama | 87.3 | 87.6 | 87.7 | 87.8 | 87.9 | 88.1 | 88.4 | 88.5 | 88.5 | 88.8 | 88.9 | 89.1 | 89. |
| Naska | 12.5 | 12.6 | 12.5 | 12.5 | 12.6 | 12.6 | 12.7 | 12.7 | 12.8 | 12.7 | 12.7 | 12.8 | 12. |
| Arizona | 140.9 | 141.4 | 141.5 | 142.1 | 142.6 | 143.4 | 142.8 | 143.5 | 144.1 | 144.3 | 144.8 | 145.0 | 145. |
| Arkansas | 45.0 | 45.0 | 45.0 | 44.9 | 45.0 | 45.0 | 45.1 | 45.2 | 45.6 | 45.5 | 45.4 | 45.4 | 45. |
| California | 802.0 | 803.6 | 806.0 | 808.3 | 807.6 | 808.2 | 809.1 | 808.7 | 808.0 | 811.2 | 811.5 | 812.7 | 813. |
| Colorado | 136.5 | 137.0 | 137.1 | 137.1 | 137.1 | 137.8 | 138.3 | 138.3 | 138.4 | 138.6 | 138.9 | 138.6 | 139 |
| Connecticut | 137.2 | 137.5 | 137.5 | 137.6 | 137.8 | 138.5 | 138.8 | 138.8 | 139.1 | 138.7 | 138.7 | 139.3 | 139 |
| Delaware | 48.8 | 48.9 | 49.1 | 48.9 | 49.2 | 49.6 | 50.1 | 50.0 | 50.2 | 49.9 | 50.1 | 50.6 | 50 |
| District of Columbia | 29.1 | 29.2 | 28.9 | 28.9 | 29.0 | 29.1 | 29.0 | 29.0 | 28.9 | 28.9 | 28.8 | 29.0 | 28 |
| florida | 431.5 | 433.6 | 435.2 | 436.4 | 437.7 | 438.9 | 439.2 | 439.0 | 441.8 | 442.9 | 444.5 | 446.4 | 446 |
| Georgia | 200.6 | 201.5 | 202.1 | 202.4 | 203.0 | 203.9 | 204.9 | 206.0 | 206.7 | 207.2 | 207.7 | 209.3 | 210 |
| ławaii | 35.6 | 35.5 | 35.5 | 35.6 | 35.3 | 35.2 | 35.3 | 35.2 | 34.9 | 35.2 | 35.0 | 35.1 | 34 |
| daho | 22.9 | 23.0 | 23.1 | 23.2 | 23.2 | 23.3 | 23.7 | 23.5 | 23.8 | 23.9 | 23.8 | 23.8 | 23 |
| linois | 404.9 | 406.5 | 406.6 | 406.7 | 406.6 | 408.0 | 408.8 | 407.9 | 408.6 | 409.7 | 410.1 | 411.6 | 412 |
| ndiana | 141.2 | 141.8 | 142.4 | 143.3 | 143.6 | 144.0 | 146.2 | 146.5 | 146.9 | 146.6 | 146.3 | 146.7 | 147 |
| owa | 83.5 | 83.6 | 83.9 | 84.3 | 84.2 | 84.1 | 83.5 | 83.9 | 83.9 | 84.3 | 84.3 | 85.0 | 85 |
| Cansas | 62.2 | 62.2 | 62.3 | 62.4 | 62.6 | 62.7 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 | 62.9 | 63 |
| Centucky | 70.1 | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.9 | 71.0 | 70.9 | 70.9 | 71.3 | 71.5 | 71 |
| ouisiana | 87.1 | 87.1 | 87.1 | 86.8 | 86.8 | 87.0 | 86.5 | 86.6 | 86.5 | 86.8 | 87.0 | 87.5 | 87 |
| Maine | 30.0 | 29.7 | 29.7 | 30.0 | 30.2 | 30.3 | 30.7 | 30.8 | 30.7 | 31.0 | 31.1 | 31.1 | 30 |
| ianie | 30.0 | 23.7 | 23.7 | 30.0 | 30.2 | 30.5 | 30.7 | 30.0 | 30.7 | 31.0 | 31.1 | 31.1 | 30 |
| Maryland | 135.0 | 135.3 | 135.5 | 133.3 | 134.5 | 134.9 | 136.3 | 137.1 | 137.1 | 137.4 | 137.9 | 137.2 | 138 |
| Assachusetts | 217.4 | 217.6 | 218.3 | 218.6 | 219.2 | 220.0 | 219.3 | 220.2 | 220.6 | 221.5 | 221.6 | 221.6 | 222 |
| Michigan | 209.3 | 208.7 | 209.2 | 209.3 | 209.5 | 209.1 | 210.0 | 209.0 | 209.9 | 209.2 | 209.1 | 209.4 | 209. |
| Minnesota | 157.3 | 157.9 | 158.2 | 158.7 | 159.5 | 160.0 | 159.3 | 159.3 | 159.5 | 159.4 | 159.4 | 159.2 | 159. |
| fississippi | 42.2 | 42.3 | 42.3 | 42.3 | 42.3 | 42.2 | 42.7 | 42.6 | 42.1 | 42.2 | 42.3 | 42.0 | 42. |
| Missouri | 161.3 | 162.0 | 163.1 | 163.8 | 164.4 | 164.9 | 165.1 | 165.4 | 165.1 | 165.2 | 165.7 | 165.9 | 166. |
| Montana | 17.0 | 17.1 | 17.3 | 17.2 | 17.3 | 17.3 | 17.4 | 17.4 | 17.3 | 17.5 | 17.5 | 17.5 | 17 |
| Vebraska | 57.9 | 58.1 | 58.1 | 58.2 | 58.5 | 58.6 | 58.7 | 58.8 | 58.6 | 58.4 | 58.9 | 59.0 | 59 |
| levada | 43.5 | 43.6 | 44.0 | 44.2 | 44.7 | 44.8 | 44.9 | 45.1 | 45.0 | 45.1 | 45.3 | 45.4 | 45 |
| New Hampshire | 31.3 | 31.3 | 31.4 | 31.3 | 31.5 | 31.5 | 31.4 | 31.5 | 31.5 | 31.6 | 31.5 | 31.8 | 31. |
| lew Jersey | 247.4 | 248.5 | 249.2 | 249.9 | 249.8 | 250.7 | 253.1 | 254.1 | 254.9 | 256.6 | 256.5 | 256.6 | 257 |
| lew Mexico | 31.9 | 31.8 | 32.0 | 32.1 | 32.1 | 32.2 | 32.1 | 32.3 | 32.1 | 32.3 | 32.5 | 32.6 | 32 |
| lew York | 735.9 | 737.3 | 737.7 | 739.2 | 739.7 | 742.0 | 740.8 | 740.1 | 739.2 | 739.8 | 740.2 | 740.6 | 742 |
| lorth Carolina | 178.8 | 180.2 | 181 6 | 181.8 | 182.6 | 183.1 | 182.8 | 183.4 | 183.5 | 184.5 | 184.0 | 183.4 | 183 |
| North Dakota | 15.6 | 15.6 | 15.5 | 15.8 | 15.9 | 16.0 | 16.1 | 15.9 | 15.8 | 15.9 | 16.0 | 16.0 | 15 |
|)hio | 299.1 | 299.9 | 300.1 | 301.4 | 301.7 | 301.9 | 303.0 | 302.9 | 303.2 | 302.8 | 303.5 | 304.3 | 305 |
| Oklahoma | 73.2 | 73.6 | 74.0 | 74.5 | 74.6 | 74.8 | 75.4 | 75.5 | 75.3 | 75.4 | 75.8 | 75.9 | 76 |
| regon | 95.4 | 95.5 | 95.7 | 95.6 | 95.4 | 95.5 | 96.1 | 96.6 | 96.9 | 97.1 | 96.9 | 96.9 | 97 |
| ennsylvania | 318.6 | 319.3 | 319.2 | 3194 | 319.7 | 320.0 | 320.0 | 321.1 | 321.4 | 322.3 | 323.7 | 324.4 | 325 |
| Rhode Island | 28.7 | 28.9 | 29.0 | 29.3 | 29.4 | 29.3 | 29.0 | 29.1 | 29.5 | 29.5 | 29.3 | 29.5 | 29 |
| South Carolina | 80.0 | 80.5 | 80.8 | 81.1 | 81.2 | 81.7 | 82.1 | 82.3 | 82.6 | 83.0 | 83.5 | 83.8 | 83 |
| South Dakota | 22.4 | 22.5 | 23.0 | 23.0 | 23.2 | 23.3 | 23.3 | 23.3 | 23.3 | 23.4 | 23.3 | 23.6 | 23 |
| Tennessee | 125.9 | 126.1 | 126.9 | 127.1 | 127.3 | 127.1 | 127.4 | 127.4 | 126.3 | 126.7 | 127.1 | 127.3 | 127 |
| Texas | 497.5 | 499.3 | 500.8 | 502.9 | 504.6 | 507.1 | 509.3 | 510.2 | 510.6 | 512.2 | 512.2 | 513.4 | 516 |
| Jtah | 55.6 | 56.2 | 56.3 | 56.6 | 56.5 | 56.3 | 56.4 | 56.8 | 57.0 | 57.2 | 57.7 | 58.2 | 58. |
| /ermont | 12.2 | 12.3 | 12.3 | 12.4 | 12.5 | 12.6 | 12.7 | 12.7 | 12.7 | 12.9 | 12.9 | 13.0 | 13 |
| /irginia | 175.8 | 176.2 | 176.8 | 177.4 | 177.6 | 177.1 | 177.7 | 179.0 | 179.2 | 179.1 | 179.5 | 180.1 | 181 |
| Vashington | 135.7 | 136.6 | 136.7 | 137.2 | 137.5 | 138.2 | 139.3 | 139.0 | 139.6 | 140.3 | 141.5 | 140.9 | 141 |
| West Virginia | 28.6 | 28.6 | 28.7 | 28.9 | 28.9 | 29.0 | 29.7 | 29.7 | 29.5 | 29.2 | 29.2 | 29.5 | 29 |
| Visconsin | 144.0 | 144.3 | 144 5 | 144.9 | 145.4 | 145.8 | 146.3 | 146.6 | 146,9 | 147.0 | 147.7 | 147.7 | 148 |
| Wyoming | 8.6 | 8.6 | 8.7 | 8.6 | 8.7 | 8.6 | 8.7 | 8.7 | 8.7 | 8.8 | 8.9 | 8.7 | 148 |
| vyuning | 0.0 | 0.0 | 0./ | 0.0 | 8./ | 0.0 | 0./ | 0./ | 0./ | 8.8 | 8.9 | 8./ | 8 |

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

| a | | | 1998 | 3 | | | | | | 1999 | | | |
|------------------------------|------------------|------------------|---------------------------------------|------------------|------------------|------------------|-------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July |
| | | | · · · · · · · · · · · · · · · · · · · | | | | Services | | ,, | | | | |
| Alabama | 452.2 | 453.7 | 453.0 | 452.6 | 454.7 | 456.2 | 457.0 | 458.5 | 456.8 | 460.1 | 461.6 | 463.2 | 461.3 |
| Naska | 68.7 630.9 | 68.8 | 68.8 | 69.4 637.5 | 69.3 640.7 | 69.4 643.4 | 69.5 632.0 | 69.2 633.3 | 69.2 636.2 | 70.1 640.8 | 69.6 644.8 | 70.1 648.1 | 70.3 650.3 |
| Arizona | 263.8 | 634.5 264.0 | 637.1 263.8 | 265.7 | 266.4 | 267.0 | 266.3 | 267.1 | 266.8 | 267.9 | 268.4 | 268.9 | 271. |
| California | 4,228.5 | 4,245.7 | 4,260.7 | 4,273.4 | 4,289.9 | 4,304.2 | 4.334.1 | 4,352.0 | 4,366.3 | 4,379.9 | 4,411.3 | 4,417.6 | 4,425. |
| Colorado | 621.9 | 623.0 | 623.5 | 625.4 | 625.5 | 626.9 | 629.1 | 627.5 | 626.5 | 611.4 | 626.8 | 629.9 | 636. |
| Connecticut | 514.7 | 515.4 | 515.7 | 516.3 | 517.0 | 520.1 | 520.0 | 521.4 | 520.5 | 523.8 | 523.1 | 526.3 | 528.0 |
| Delaware | 112.2 | 112.6 | 112.1 | 112.5 | 112.9 | 113.2 | 113.4 | 113.4 | 113.0 | 114.1 | 115.0 | 115.0 | 115. |
| District of Columbia | 274.4 2,428.2 | 274.8 2,440.2 | 275.5 2,455.5 | 275.0 2,457.5 | 275.8 2,464.6 | 275.6 2,475.3 | 275.6 2,484.8 | 275.4 2,498.7 | 275.8 2,499.1 | 275.4 2,514.3 | 275.6 2,527.5 | 277.3 2,542.7 | 279.0 2,556.1 |
| Georgia | 1,000.6 | 1,006.2 | 1,007.8 | 1,011.8 | 1,017.6 | 1,022.1 | 1,024.4 | 1,031.1 | 1,037.1 | 1,039.2 | 1,044.4 | 1,048 1 | 1,047. |
| ławaii | 171.9 | 172.7 | 172.5 | 173.4 | 173.1 | 172.9 | 172.6 | 173.6 | 174.1 | 174.4 | 176.2 | 176.5 | 175. |
| daho | 125.5 | 126.9 | 126.4 | 127.4 | 127.3 | 131.8 | 133.7 | 133.4 | 133.1 | 132.9 | 131.6 | 132.0 | 129. |
| linois | 1.775.9 | 1,777.7 | 1,778.1 | 1,787.3 | 1,794.1 | 1,801.4 | 1,790.9 | 1,793.9 | 1,794.4 | 1,808.5 | 1,818.5 | 1,820.1 | 1,820. |
| ndiana | 714.2 | 714.6 | 718.8 | 715.6 | 715.6 | 718.6 | 708.9 | 714.9 | 718.5 | 725.6 | 725.6 | 727.2 | 729.8 |
| owa | 384.4 | 382.3 | 382.0 | 384.2 | 385.0 | 386.7 | 381.3 | 383.1 | 385.1 | 388.4 | 390.1 | 392.9 | 393.0 |
| (ansas | 335.2 | 335.3 | 336.0 | 337.4 | 340.3 | 340.8 | 342.0 | 341.9 | 342.2 | 343.8 | 342.8 | 343.8 | 343. |
| Centucky | 444.5 | 445.1 | 445.3 | 445.8 | 447.1 | 447.7 | 450.7 | 452.2 | 452.6 | 455.4 | 456.7 | 459.4 | 459.3 |
| ouisiana | 513.7 | 512.1 | 514.0 | 514.4 | 516.4 | 519.2 | 517.2 | 517.9 | 517.2 | 521.3 | 521.0 | 522.6 | 523. |
| Maine | 169.0 | 169.1 | 170.4 | 171.4 | 171.9 | 172.5 | 172.1 | 172.7 | 173.2 | 174.5 | 174.5 | 176.1 | 176. |
| faryland | 790.4 | 792.7 | 794.1 | 798.5 | 800.4 | 802.9 | 804.0 | 808.3 | 807.1 | 808.4 | 806.7 | 812.4 | 815.6 |
| fassachusetts | 1,134.5 | 1,137.1 | 1,138.4 | 1,141.7 | 1,143.5 | 1,147.2 | 1,146.0 | 1,149.2 | 1,151.7 | 1,157.5 | 1,159.6 | 1,160.8 | 1,162. |
| lichigan | 1,243.1 | 1,247.8 | 1,250.5 | 1,254.9 | 1,257.4 | 1,259.6 | 1,258.2 | 1,256.7 | 1,259.0 | 1,259.5 | 1,264.1 | 1,269.1 | 1,269.0 750.2 |
| linnesota | 729.9 263.8 | 731.4 | 731.7 262.5 | 732.9 261.1 | 735.0 261.9 | 736.3 262.2 | 736.3 261.4 | 733.5 259.9 | 735.2 260.0 | 741.5 260.4 | 743.1 263.2 | 748.0 262.6 | 264.6 |
| dississippi | | 264.0 | | | | | | · | | | | | |
| lissouri | 759.7 | 759.5 | 758.5 | 763.4 | 767.0 | 766.9 | 767.5 | 761.0 | 758.5 | 759.5 | 759.2 | 760.5 | 762. |
| Montana | 107.6 | 108.1 | 108.3 | 108.2 | 108.5 241.6 | 108.6 | 109.2 240.0 | 109.4 239.3 | 109.7 238.1 | 110.5 | 110.6 237.3 | 110.9 238.8 | 111.4 239.0 |
| lebraska | 240.6 392.7 | 240.6 394.6 | 239.5 395.7 | 240.7 403.6 | 403.1 | 243.2 403.6 | 403.0 | 404.1 | 404.7 | 237.8 405.7 | 409.0 | 411.1 | 413. |
| levada lew Hampshire | 172.1 | 172.6 | 172.9 | 173.2 | 173.7 | 173.4 | 176.2 | 176.9 | 178.0 | 180.1 | 178.6 | 180.1 | 179. |
| Į. | _ | | | | | | | | | | | | |
| lew Jersey | 1,227.6 203.3 | 1,231.2 204.6 | 1,233.2 205.6 | 1,234.7 206.6 | 1,238.1 207.7 | 1,242.3 207.9 | 1,236.7 207.1 | 1,244.4 207.8 | 1,249.9 208.5 | 1,254.4 209.4 | 1,261.2 210.2 | 1,265.2 210.5 | 1,268.5 211.5 |
| New Mexico | 2.806.8 | 2.814.0 | 2.817.5 | 2.828.1 | 2.837.2 | 2.848.5 | 2.848.4 | 2.857.3 | 2.867.5 | 2.879.0 | 2,884.9 | 2.890.1 | 2,902.4 |
| lorth Carolina | 939.9 | 938.6 | 944.6 | 946.9 | 951.1 | 956.7 | 960.9 | 960.5 | 959.2 | 964.4 | 962.1 | 961.3 | 960.4 |
| lorth Dakota | 89.6 | 89.5 | 89.7 | 89.9 | 89.9 | 90.6 | 90.6 | 90.4 | 90.7 | 91.1 | 91.2 | 90.3 | 90.4 |
| Ohio | 1,512.3 | 1,513.7 | 1,516.1 | 1,521.6 | 1,521.9 | 1,522.5 | 1,518.6 | 1,520.2 | 1,521.2 | 1,531.4 | 1,533.6 | 1,537.6 | 1,537.8 |
| Oklahoma | 406.0 | 406.9 | 407.2 | 407.4 | 408.1 | 409.1 | 411.1 | 413.6 | 415.4 | 419.6 | 421.8 | 422.0 | 421. |
| Oregon | 416.7 | 420.2 | 421.3 | 423.2 | 424.8 | 425.9 | 428.4 | 430.0 | 431.3 | 431.2 | 431.7 | 431.2 | 435.0 |
| Pennsylvania Rhode Island | 1,782.3 157.7 | 1,784.4 157.7 | 1,784.5 158.3 | 1,784.4 158.4 | 1,785.2 158.0 | 1,789.9 157.9 | 1,787.2° 156.2 | 1,788.4 158.1 | 1,785.3 158.0 | 1,796.5 159.1 | 1,793.1 158.0 | 1,796.5 157.9 | 1,796.8 159.3 |
| South Carolina | 420.5 | 422.2 | 423.4 | 424.3 | 426.0 | 427.2 | 431.6 | 431.9 | 434.1 | 434.5 | 435.8 | 437.9 | 437. |
| South Dakota | 94.4 | 94.5 | 94.3 | 95.8 | 95.6 | 95.9 | 94.9 | 95.9 | 96.7 | 97.5 | 96.4 | 96.2 | 96.4 |
| ennessee | 707.7 | 708.3 | 707.1 | 711.9 | 714.2 | 715.9 | 712.9 | 713.7 | 715.8 | 715.8 | 715.8 | 718.6 | 717 |
| exas | 2,523.9 | 2,532.8 | 2,540.6 | 2,549.7 | 2,559.7 | 2,569.3 | 2,577.0 | 2,583.3 | 2,592.9 | 2.604.7 | 2,615.3 | 2,636.1 | 2,644. |
| Jtah | 280.4 | 281.4 | 281.8 | 282.6 | 284.2 | 285.2 | 287.3 | 288.9 | 288.8 | 290.9 | 290.3 | 290.7 | 291. |
| ermont | 86.6 1,023.1 | 86.9 1,028.7 | 86.7 1.033.3 | 85.9 1.036.7 | 86.6 1,042.1 | 87.2 1,045.7 | 87.9 1.045.2 | 87.8 1,048.3 | 88.4 1,050.7 | 88.6 1.053.7 | 89.4 1,057.4 | 88.8 1,062.4 | 88.1 1,062.1 |
| Vashington | 711.3 | 714.7 | 715.3 | 718.2 | 720.7 | 723.2 | 721.1 | 725.4 | 727.5 | 728.9 | 730.6 | 732.3 | 736. |
| Vest Virginia | 208.5 | 208.5 | 208.9 | 209.8 | 210.2 | 211.1 | 212.1 | 212.5 | 211.4 | 210.2 | 209.9 | 211.0 | 213. |
| Visconsin | 709.7 | 711.2 | 711.0 | 711.3 | 712.5 | 713.2 | 710.3 | 712.7 | 714.5 | 717.5 | 722.8 | 723.3 | 726 |
| | | | | 50.7 | | 51.2 | | | | | | | |

ESTABLISHMENT DATA STATE EMPLOYMENT **SEASONALLY ADJUSTED**

B-7. Employees on nonfarm payrolls by State and major industry, seasonally adjusted — Continued

(In thousands)

| <u> </u> | | | 1998 | 3 | | | | | | 1999 | | | |
|-----------------------|---------|---|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | JulyP |
| | | , | | | | Go | vernment | ! | | | | | |
| Alabama | 346.5 | 346.7 | 347.8 | 348.0 | 348.6 | 349.4 | 348.7 | 349.8 | 350.5 | 350.4 | 349.3 | 347.5 | 346.7 |
| Alaska | 73.7 | 73.3 | 73.8 | 73.3 | 73.3 | 73.5 | 73.4 | 73.6 | 73.9 | 74.0 | 75.4 | 73.0 | 73.4 |
| Arizona | 337.6 | 335.8 | 337.1 | 336.8 | 342.7 | 339.6 | 341.5 | 341.3 | 340.6 | 342.6 | 341.8 | 349.8 | 356.0 |
| Arkansas | 186.7 | 186.3 | 186.1 | 187.0 | 187.9 | 186.2 | 186.2 | 186.2 | 186.1 | 186.2 | 186.1 | 186.3 | 186.8 |
| California | 2.155.6 | 2,166.8 | 2,173.6 | 2,184.7 | 2.192.9 | 2.199.0 | 2.198.8 | 2,203.6 | 2.209.1 | 2,215.6 | 2,221.4 | 2,226.0 | 2.226.2 |
| Colorado | 323.4 | 321.7 | 322.8 | 322.8 | 323.3 | 323.2 | 323.9 | 325.0 | 325.4 | 326.0 | 325.6 | 324.4 | 328.3 |
| Connecticut | 227.8 | 228.4 | 230.5 | 229.1 | 228.6 | 229.7 | 229.6 | 229.2 | 230.2 | 230.2 | 230.3 | 231.1 | 232.7 |
| Delaware | 54.4 | 54.1 | 54.0 | 54.0 | 54.1 | 54.4 | 54.9 | 54.7 | 55.1 | 55.2 | 55.2 | 54.2 | 55.3 |
| District of Columbia | 220.8 | 228.2 | 226.7 | 225.7 | 225.9 | 225.0 | 225.9 | 225.7 | 225.4 | 225.3 | 225.4 | 224.7 | 218.8 |
| Florida | 957.0 | 955.7 | 959.9 | 960.5 | 964.0 | 964.6 | 963.3 | 967.3 | 968.6 | 970.2 | 973.4 | 973.8 | 975.7 |
| Georgia | 584.9 | 589.0 | 596.9 | 588.1 | 588.2 | 589.7 | 591.3 | 591.5 | 593.2 | 591.6 | 592.5 | 593.1 | 595.1 |
| Hawaii | 111.7 | 112.6 | 117.8 | 112.6 | 112.1 | 111.9 | 110.8 | 111.0 | 111.1 | 111.4 | 110.7 | 111.8 | 112.4 |
| Idaho | 102.5 | 102.8 | 102.6 | 103.5 | 103.6 | 104.3 | 103.5 | 104.7 | 104.8 | 104.9 | 105.6 | 106.0 | 105.7 |
| Illinois | 822.4 | 824.2 | 822.3 | 816.6 | 816.5 | 812.8 | 813.7 | 808.2 | 809.9 | 809.5 | 808.7 | 810.6 | 814.1 |
| Indiana | 387.4 | 398.2 | 405.8 | 403.0 | 403.8 | 406.0 | 402.1 | 407.6 | 408.5 | 407.7 | 403.0 | 406.8 | 395.2 |
| lowa | 235.9 | 235.0 | 237.5 | 236.9 | 236.3 | 238.2 | 237.9 | 237.3 | 236.8 | 237.7 | 237.5 | 238.1 | 239.9 |
| Kansas | 240.4 | 242.3 | 240.8 | 243.8 | 244.4 | 242.4 | 242.5 | 242.0 | 242.5 | 246.0 | 244.9 | 245.9 | 245.8 |
| Kentucky | 294.3 | 296.5 | 295.6 | 294.9 | 294.8 | 294.7 | 296.6 | 296.1 | 296.0 | 296.6 | 300.3 | 299.3 | 299.7 |
| Louisiana | 367.0 | 366.5 | 368.4 | 368.3 | 368.0 | 368.1 | 367.0 | 366.8 | 366.2 | 366.2 | 366.0 | 367.8 | 366.1 |
| Maine | 93.7 | 93.5 | 93.3 | 93.1 | 92.9 | 93.6 | 93.5 | 94.2 | 94.4 | 94.2 | 93.6 | 94.2 | 94.8 |
| Maryland | 435.3 | 437.0 | 440.5 | 440.1 | 440.9 | 439.3 | 440.8 | 440.2 | 439.4 | 439.2 | 440.9 | 442.9 | 441.6 |
| Massachusetts | 411.5 | 413.4 | 413.7 | 414.5 | 414.8 | 416.6 | 416.3 | 416.3 | 416.7 | 415.2 | 415.5 | 416.0 | 413.9 |
| Michigan | 662.0 | 659.7 | 662.5 | 660.0 | 660.5 | 660.0 | 659.2 | 658.3 | 658.2 | 660.0 | 659.9 | 662.9 | 667.5 |
| Minnesota | 377.0 | 379.0 | 381.1 | 382.4 | 382.9 | 384.8 | 384.6 | 385.2 | 386.9 | 387.2 | 385.3 | 384.4 | 382.4 |
| Mississippi | 229.3 | 224.0 | 224.1 | 225.1 | 225.2 | 225.5 | 225.1 | 225.3 | 225.6 | 226.1 | 225.6 | 224.9 | 231.6 |
| Missouri | 414.0 | 414.4 | 418.1 | 417.9 | 418.8 | 420.9 | 419.0 | 418.0 | 421.3 | 420.0 | 422.6 | 424.6 | 424.6 |
| Montana | 79.3 | 78.9 | 79.2 | 79.3 | 79.5 | 79.4 | 79.4 | 78.4 | 79.5 | 79.2 | 78.1 | 76.4 | 79.8 |
| Nebraska | 152.2 | 149.7 | 150.5 | 150.3 | 149.8 | 150.4 | 149.8 | 149.8 | 149.5 | 149.8 | 149.6 | 151.0 | 151.0 |
| Nevada | 112.0 | 113.1 | 113.5 | 113.2 | 113.5 | 113.9 | 114.9 | 115.0 | 116.2 | 116.8 | 117.9 | 115.7 | 117.2 |
| New Hampshire | 79.3 | 78.9 | 79.3 | 79.6 | 79.5 | 78.9 | 79.5 | 79.9 | 79.9 | 79.6 | 80.5 | 79.9 | 80.3 |
| New Jersey | 568.0 | 568.0 | 572.4 | 570.3 | 569.9 | 570.8 | 570.3 | 569.2 | 569.5 | 570.1 | 570.6, | 569.9 | 569.6 |
| New Mexico | 178.4 | 178.7 | 177.2 | 177.4 | 177.5 | 177.5 | 179.1 | 177.6 | 179.7 | 179.2 | 179.4 | 179.6 | 178.7 |
| New York ² | 1,424.0 | 1,421.6 | 1,419.9 | 1,422.9 | 1,421.0 | 1,421.8 | 1,413.3 | 1,424.2 | 1,424.4 | 1,424.0 | 1,423.3 | 1,416.3 | 1,428.7 |
| North Carolina | 600.5 | 620.2 | 601.8 | 601.5 | 600.7 | 601.2 | 597.5 | 597.1 | 597.4 | 597.3 | 595.1 | 594.2 | 616.0 |
| North Dakota | 69.0 | 68.3 | 70.1 | 70.0 | 70.4 | 70.6 | 71.7 | 71.1 | 71.3 | 71.5 | 71.0 | 69.6 | 68.9 |
| Ohio | 765.2 | 765.6 | 766.1 | 765.0 | 765.8 | 766.9 | 757.7 | 766.2 | 768.1 | 769.5 | 767.7 | 768.8 | 775.1 |
| Oklahoma | 278.0 | 279.4 | 278.8 | 279.5 | 278.9 | 279.3 | 278.0 | 279.1 | 280.9 | 282.0 | 281.2 | 282.9 | 281.6 |
| Oregon | 255.3 | 256.0 | 257.0 | 257.6 | 260.9 | 259.5 | 259.8 | 260.0 | 260.5 | 261.2 | 260.3 | 260.7 | 264.9 |
| Pennsylvania | 694.9 | 695.7 | 706.4 | 701.9 | 704.3 | 707.0 | 709.8 | 707.6 | 706.1 | 707.4 | 706.1 | 701.6 | 698.9 |
| Rhode Island | 63.7 | 63.1 | 63.9 | 63.5 | 63.6 | 63.7 | 63.9 | 63.1 | 63.5 | 63.6 | 63.8 | 64.3 | 64.8 |
| South Carolina | 309.0 | 311.3 | 311.2 | 311.7 | 310.1 | 310.3 | 312.8 | 312.2 | 312.1 | 311.6 | 312.7 | 317.6 | 315.0 |
| South Dakota | 71.5 | 71.1 | 71.4 | 71.3 | 71.2 | 71.0 | 71.1 | 71.5 | 71.1 | 70.8 | 71.1 | 71.9 | 73.8 |
| Tennessee | 384.5 | 395.4 | 383.6 | 383.9 | 384.6 | 384.1 | 382.4 | 383.9 | 383.8 | 383.0 | 382.5 | 391.3 | 386.4 |
| Texas | 1.506.5 | 1.510.9 | 1,519.0 | 1,525.8 | 1,529.9 | 1,529.9 | 1,531.6 | 1,534.7 | 1,538.2 | 1,539.2 | 1,542.8 | 1,541.6 | 1.540.8 |
| Utah | 177.4 | 177.5 | 180.9 | 177.9 | 179.1 | 179.9 | 176.2 | 177.1 | 177.4 | 177.7 | 177.4 | 177.7 | 177.9 |
| Vermont | 45.7 | 46.2 | 46.4 | 46.5 | 46.4 | 46.5 | 46.9 | 46.5 | 46.9 | 46.6 | 47.3 | 47.0 | 47.2 |
| Virginia | 602.5 | 603.0 | 604.2 | 603.5 | 602.5 | 605.0 | 602.9 | 605.2 | 606.8 | 609.2 | 609.1 | 609.9 | 613.9 |
| Washington | 469.0 | 469.5 | 465.2 | 466.0 | 466.2 | 466.8 | 470.9 | 469.6 | 471.4 | 473.1 | 471.7 | 470.6 | 476.7 |
| West Virginia | 138.3 | 140.7 | 141.2 | 140.0 | 139.7 | 140.0 | 141.2 | 140.1 | 140.1 | 140.5 | 139.9 | 141.0 | 138.6 |
| Wisconsin | 393.7 | 394.6 | 393.1 | 393.5 | 395.5 | 396.3 | 397.6 | 396.3 | 395.5 | 396.1 | 397.7 | 396.5 | 397.4 |
| Wyoming | 59.4 | 58.7 | 58.4 | 58.6 | 58.3 | 58.2 | 58.0 | 58.1 | 58.1 | 58.5 | 58.7 | 57.7 | 59.4 |

¹ Includes mining, not shown separately.
² Total nonfarm and government employment data have been revised from July 1998 through June 1999 as a result of a correction in local education employment for July and August 1998.

 $[\]frac{3}{2}$ Mining is combined with construction.

P = preliminary.

NOTE: All data have been adjusted to March 1998 benchmarks and incorporate updated seasonal adjustment factors.

B-8. Average weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

| | | | 1998 | | | | | | 19 | 99 | | | |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------------|-------------|
| Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | July ^p | Aug.p |
| Total private | 34.6 | 34.5 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.5 | 34.4 | 34.4 | 34.5 | 34.5 | 34.6 |
| Goods-producing | 41.1 | 40.9 | 41.1 | 41.0 | 41.1 | 41.1 | 41.0 | 40.8 | 40.9 | 41.0 | 41.2 | 41.2 | 41.1 |
| Mining | 43.7 | 43.3 | 43.7 | 43.3 | 43.3 | 42.9 | 43.0 | 42.9 | 43.8 | 44.1 | 44.0 | 45.0 | 44.2 |
| Construction | 39.2 | 38.6 | 39.2 | 39.1 | 39.4 | 39.5 | 39.2 | 38.5 | 38.6 | 38.9 | 39.4 | 38.9 | 39.0 |
| Manufacturing Overtime hours | 41.7 4.5 | 41.6 4.5 | 41.7 4.5 | 41.7 4.5 | 41.7 4.5 | 41.6 4.5 | 41.6 4.5 | 41.5 4.5 | 41.6 4.3 | 41.7 4.6 | 41.7 4.7 | 41.9 4.7 | 41.7 4.6 |
| Durable goods | 42.3 | 42.2 | 42.3 | 42.3 | 42.2 | 42.2 | 42.2 | 42.0 | 42.1 | 42.2 | 42.3 | 42.5 | 42.3 |
| Overtime hours | 4.7 | 4.7 | 4.7 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.3 | 4.7 | 4.8 | 4.9 | 4.7 |
| Lumber and wood products | 41.2 | 40.7 | 41.1 | 41.2 | 41.5 | 41.7 | 41.1 | 41.2 | 41.2 | 41.2 | 41.1 | 41.2 | 41.1 |
| Furniture and fixtures | | 40.2 | 40.5 | 40.3 | 40.2 | 40.4 | 40.3 | 40.3 | 40.4 | 40.4 | 40.4 | 40.6 | 40.3 |
| Stone, clay, and glass products | 43.6 | 43.4 | 43.6 | 43.6 | 43.8 | 43.8 | 43.4 | 42.9 | 43.1 | 43.4 | 43.4 | 43.5 | 43.7 |
| Primary metal industries | 44.1 | 43.9 | 43.7 | 43.8 | 43.7 | 43.7 | 43.8 | 43.9 | 44.0 | 44.3 | 44.3 | 44.5 | 44.4 |
| Blast furnaces and basic steel products | 44.4 | 44.2 | 43.7 | 43.7 | 43.3 | 43.8 | 43.8 | 43.9 | 44.5 | 44.8 | 45.2 | 45.1 | 44.9 |
| Fabricated metal products | 42.3 | 42.2 | 42.3 | 42.2 | 42.2 | 42.1 | 42.1 | 42.1 | 41.8 | 42.1 | 42.1 | 42.3 | 42.4 |
| Industrial machinery and equipment | 42.9 | 42.6 | 42.6 | 42.4 | 42.1 | 42.1 | 42.1 | 41.9 | 41.9 | 42.1 | 42.0 | 42.4 | 42.5 |
| Electronic and other electrical equipment | 41.5 | 41.4 | 41.5 | 41.4 | 41.1 | 41.2 | 41.2 | 41.0 | 41.1 | 41.5 | 41.5 | 41.6 | 41.3 |
| Transportation equipment | 43.0 | 43.8 | 43.9 | 44.1 | 44.1 | 43.5 | 44.0 | 43.7 | 44.0 | 43.5 | 44.2 | 44.3 | 43.7 |
| Motor vehicles and equipment | 43.0 | 44.3 | 44.1 | 44.6 | 44.9 | 44.3 | 45.0 | 44.7 | 45.1 | 44.4 | 45.4 | 45.7 | 44.8 |
| Instruments and related products | 41.3 | 41.1 | 41.2 | 41.1 | 41.1 | 41.2 | 41.3 | 41.2 | 41.6 | 41.6 | 41.5 | 41.7 | 41.4 |
| Miscellaneous manfacturing | 40.0 | 39.5 | 39.7 | 39.4 | 39.6 | 39.6 | 39.7 | 39.8 | 39.6 | 40.2 | 40.0 | 40.0 | 40.2 |
| Nondurable goods | 40.9 | 40.8 | 40.9 | 40.8 | 40.9 | 40.8 | 40.8 | 40.8 | 40.9 | 41.0 | 41.0 | 41.0 | 40.9 |
| Overtime hours | 4.3 | 4.3 | 4.3 | 4.3 | 4.3 | 4.4 | 4.3 | 4.4 | 4.2 | 4.4 | 4.5 | 4.5 | 4.4 |
| Food and kindred products | 41.7 | 41.7 | 41.6 | 41.7 | 42.0 | 41.8 | 41.7 | 41.7 | 41.9 | 41.8 | 41.8 | 42.0 | 41.6 |
| Tobacco products | 39.2 | 37.7 | 38.5 | 38.5 | 36.6 | 38.1 | 38.5 | 38.8 | 38.6 | 39.9 | 39.1 | 41.0 | 38.4 |
| Textile mill products | 41.0 | 40.4 | 41.1 | 40.8 | 40.8 | 40.8 | 40.6 | 40.4 | 41.0 | 41.0 | 40.6 | 41.3 | 40.9 |
| Apparel and other textile products | 37.4 | 37.2 | 37.3 | 37.3 | 37.3 | 37.0 | 37.5 | 37.4 | 37.5 | 37.8 | 37.7 | 37.4 | 37.2 |
| Paper and allied products | 43.3 | 43.6 | 43.5 | 43.5 | 43.4 | 43.5 | 43.5 | 43.7 | 43.6 | 43.5 | 43.5 | 43.5 | 43.7 |
| Printing and publishing | 38.5 | 38.2 | 38.2 | 38.1 | 38.1 | 38.2 | 38.1 | 37.9 | 38.1 | 38.3 | 38.3 | 38.3 | 38.3 |
| Chemicals and allied products | 43.2 | 43.2 | 43.2 | 42.9 | 42.7 | 42.9 | 42.8 | 42.8 | 43.0 | 43.0 | 43.0 | 43.0 | 43.3 |
| Petroleum and coal products | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Rubber and misc. plastics products | 41.7 | 41.7 | 41.8 | 41.6 | 41.7 | 41.4 | 41.7 | 41.8 | 41.5 | 41.9 | 41.8 | 41.7 | 41.6 |
| Leather and leather products | 37.9 | 37.4 | 37.4 | 37.4 | 37.5 | 37.3 | 37.7 | 37.7 | 38.1 | 38.4 | 37.9 | 37.1 | 37.8 |
| Service-producing | 32.9 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 33.0 | 32.8 | 32.8 | 32.8 | 32.8 | 32.9 | 32.9 |
| Transportation and public utilities | 39.4 | 39.3 | 39.3 | 39.2 | 39.1 | 39.3 | 39.2 | 39.1 | 39.0 | 38.8 | 38.9 | 38.8 | 39.2 |
| Wholesale trade | 38.4 | 38.3 | 38.3 | 38.4 | 38.4 | 38.4 | 38.5 | 38.4 | 38.4 | 38.3 | 38.4 | 38.4 | 38.5 |
| Retail trade | 29.0 | 29.0 | 29.1 | 29.0 | 29.0 | 29.0 | 29.2 | 29.0 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 |
| Finance, insurance, and real estate | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) | (2) |
| Services | 32.7 | 32.5 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.6 | 32.5 | 32.5 | 32.6 | 32.6 | 32.7 |

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 These series are not published seasonally adjusted because the seasonal

components, which are small relative to the trend-cycle and irregular

components, cannot be separated with sufficient precision.

P = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1995 forward are subject to revision.

ESTABLISHMENT DATA HOURS SEASONALLY ADJUSTED

B-9. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(1982=100)

| | | | 1998 | | | | | | 19 | 99 | | | |
|--|---|--|---|---|--|---|--|--|--|--|--|---|---|
| · Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | Julyp | Aug.p |
| Total private | 145.5 | 145.1 | 146.0 | 146.1 | 146.6 | 146.8 | 147.3 | 146.8 | 147.0 | 147.2 | 147.8 | 148.3 | 148.5 |
| Goods-producing | 115.4 | 114.7 | 115.2 | 115.0 | 115.5 | 115.2 | 115.0 | 114.2 | 114.2 | 114.4 | 114.6 | 115.1 | 114.3 |
| Mining | 55.3 | 54.6 | 54.6 | 53.7 | 53.4 | 51.8 | 51.0 | 50.5 | 50.4 | 50.1 | 49.7 | 51.0 | 50.1 |
| Construction | 165.4 | 162.7 | 166.4 | 167.5 | 171.3 | 171.9 | 171.9 | 169.1 | 169.2 | 170.0 | 172.8 | 170.8 | 170.2 |
| Manufacturing | 108.5 | 108.3 | 108.1 | 107.7 | 107.5 | 107.1 | 106.8 | 106.5 | 106.5 | 106.5 | 106.3 | 107.2 | 106.4 |
| Durable goods Lumber and wood products Furniture and fixtures Stone, clay, and glass products Primary metal industries Blast furnaces and basic steel products Fabricated metal products Industrial machinery and equipment Electronic and other electrical equipment Transportation equipment Motor vehicles and equipment Instruments and related products Miscellaneous manfacturing Nondurable goods Food and kindred products Textile mill products Apparel and other textile products Paper and allied products Printing and publishing Chemicals and allied products Rubber and misc. plastics products Leather and leather products | 145.5 135.3 116.0 93.3 71.3 118.6 110.0 | 112.4 144.0 134.0 115.7 70.6 118.4 109.1 108.6 127.2 162.3 75.7 101.5 102.7 117.7 57.9 84.3 65.8 108.6 124.5 103.4 76.3 147.9 34.5 | 112.3 145.6 134.6 116.5 91.4 69.0 118.4 108.6 108.1 127.8 75.7 100.5 102.4 117.4 59.1 85.2 64.7 103.3 76.3 148.1 34.5 | 111.8 146.6 134.3 116.8 90.8 68.3 117.9 107.6 106.9 127.6 163.0 75.2 99.8 102.0 118.1 59.1 83.9 63.6 107.5 123.5 102.5 77.3 147.5 33.9 | 111.5 148.1 134.6 118.1 90.4 68.0 117.7 106.3 105.9 127.3 163.6 75.0 100.3 102.1 119.3 56.2 83.4 63.4 107.1 123.0 102.2 79.4 148.1 33.4 | 111.0 149.5 135.3 117.8 89.9 68.0 117.7 105.4 105.9 125.1 161.0 75.0 99.5 101.8 119.3 58.5 83.1 62.3 107.1 123.4 102.4 76.2 147.8 32.7 | 110.8 147.6 134.9 117.0 90.0 68.0 117.2 105.2 125.9 162.7 75.2 99.8 101.5 118.8 57.2 82.0 62.1 106.7 122.8 102.0 77.4 148.5 33.0 | 110.4 147.9 135.2 115.4 90.0 68.2 117.0 104.4 105.1 125.3 162.7 74.7 100.0 101.2 118.8 55.7 81.1 61.5 107.0 121.9 101.8 76.4 148.8 32.4 | 110.4 147.5 135.6 116.2 89.9 69.1 116.2 104.1 105.6 125.5 164.8 75.8 100.3 101.2 118.9 55.4 81.6 61.4 7121.9 102.4 74.5 148.5 32.8 | 110.5 147.3 135.9 117.0 90.3 69.2 116.9 104.5 106.2 123.4 75.6 101.4 101.1 118.5 55.3 81.1 61.4 106.3 102.3 73.9 149.5 32.4 | 110.4 146.9 136.2 116.8 89.8 69.4 116.6 104.0 105.9 125.0 165.9 75.2 100.9 100.5 117.9 56.2 79.8 60.4 106.0 122.3 101.9 72.9 148.6 32.0 | 111.8 147.5 138.8 117.5 91.1 69.6 118.2 105.2 107.9 127.1 171.6 75.8 100.9 100.9 81.3 59.4 105.2 105.2 107.9 119.2 107.9 119.2 107.9 | 111.0 147.3 136.8 117.3 90.4 69.3 117.4 104.4 106.6 126.1 74.7 101.8 100.1 116.9 49.4 79.9 58.3 102.8 73.3 149.4 30.8 |
| Service-producing | 159.0 | 158.8 | 159.8 | 160.1 | 160.5 | 161.0 | 161.8 | 161.5 | 161.6 | 161.9 | 162.7 | 163.2 | 163.8 |
| Transportation and public utilities | 132.6 | 132.5 | 132.9 | 132.9 | 133.0 | 134.1 | 134.1 | 133.8 | 133.6 | 133.0 | 133.7 | 133.6 | 135.5 |
| Wholesale trade | 129.2 | 129.3 | 129.3 | 130.0 | 130.2 | 130.6 | 131.3 | 131.3 | 131.6 | 131.5 | 132.0 | 132.3 | 132.6 |
| Retail trade | 140.1 | 140.2 | 140.8 | 140.6 | 140.9 | 141.3 | 142.9 | 141.9 | 142.6 | 143.3 | 143.6 | 144.4 | 144.2 |
| Finance, insurance, and real estate | 137.2 | 137.5 | 138.1 | 138.6 | 138.9 | 139.1 | 139.6 | 139.3 | 139.1 | 138.8 | 139.4 | 140.7 | 140.4 |
| Services | 195.4 | 194.7 | 196.6 | 197.2 | 197.8 | 198.3 | 198.9 | 198.8 | 198.9 | 199.3 | 200.7 | 201.0 | 202.2 |

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.

 $^{^{}p}$ = preliminary. NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1995 forward are subject to revision.

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

| | Millions | of hours (annual i | rate) ¹ | | Percent change | |
|-------------------------------------|---------------------------|---------------------------|---------------------------|---|---|---|
| Industry | June 1999 ^r | July 1999 ^r | Aug. 1999 ^p | Aug. 1998 to Aug. 1999 ^p | June 1999 to July 1999 ^r | July 1999 To Aug. 1999 ^p |
| Total | 236,002 | 235,638 | 236,114 | 2.0 | -0.2 | 0.2 |
| Private sector | 197,341 | 197,930 | 198,143 | 2.1 | .3 | .1 |
| Mining | 1,196 | 1,234 | 1,206 | -9.1 | 3.2 | -2.3 |
| Construction | 12,821 | 12,687 | 12,661 | 3.4 | -1.0 | 2 |
| Manufacturing | 39,940 | 40,146 | 39,919 | -1.9 | .5 | 6 |
| Durable goods | 24,052 | 24,241 | 24,104 | -1.7 | .8 | 6 |
| Nondurable goods | 15,888 | 15,905 | 15,815 | -2.3 | .1 | 6 |
| Transportation and public utilities | 13,771 | 13,764 | 13,879 | 2.4 | .0 | .8 |
| Wholesale trade | 13,964 | 14,000 | 14,076 | 3.0 | .3 | .5 |
| Retail trade | 34,495 | 34,645 | 34,640 | 2.8 | .4 | .0 |
| Finance, insurance, and real estate | 14,393 | 14,486 | 14,438 | 2.5 | .6 | 3 |
| Services | 66,761 | 66,968 | 67,324 | 4.0 | .3 | .5 |
| Government | 38,662 | 37,708 | 37,971 | 1.2 | -2.5 | .7 |

 $^{^{\}rm 1}$ Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

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 Bulletin 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:

ftp://ftp.bls.gov/pub/special.requests/opt/tableb10.txt

p = preliminary.

r = revised.

ESTABLISHMENT DATA EARNINGS SEASONALLY ADJUSTED

B-11. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, seasonally adjusted

| In decades | | | 1998 | | | | | | 19 | 999 | | | |
|---|---------|---------|---------|---------|---------|---------|----------|----------|---------|---------|---------|---------|---------|
| Industry | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar | Apr. | May | June | Julyp | Aug.p |
| | | _ | | | | Averag | e hourly | earnings | | | | | |
| Total private (in current dollars) | \$12.85 | \$12.88 | \$12.91 | \$12.94 | \$12.98 | \$13.04 | \$13.06 | \$13.11 | \$13.14 | \$13.18 | \$13.24 | \$13.28 | \$13.30 |
| Goods-producing | 14.39 | 14.41 | 14.44 | 14.47 | 14.51 | 14.53 | 14.56 | 14.61 | 14.67 | 14.75 | 14.85 | 14.91 | 14.89 |
| Mining | 17.00 | 17.06 | 17.15 | 17.27 | 17.18 | 17.07 | 16.97 | 17.00 | 16.87 | 17.05 | 16.96 | 17.25 | 17.20 |
| Construction | 16.67 | 16.60 | 16.72 | 16.76 | 16.80 | 16.80 | 16.83 | 16.92 | 16.97 | 17.08 | 17.16 | 17.19 | 17.16 |
| Manufacturing | 13.53 | 13.58 | 13.57 | 13.58 | 13.60 | 13.64 | 13.67 | 13.71 | 13.79 | 13.85 | 13.95 | 14.02 | 14.01 |
| Excluding overtime ² | 12.82 | 12.86 | 12.87 | 12.88 | 12.90 | 12.93 | 12.97 | 13.00 | 13.09 | 13.13 | 13.20 | 13.27 | 13.27 |
| Service-producing | 12.35 | 12.38 | 12.41 | 12.45 | 12.49 | 12.56 | 12.58 | 12.63 | 12.65 | 12.68 | 12.73 | 12.77 | 12.80 |
| Transportation and public utilities | | 15.37 | 15.38 | 15.41 | 15.47 | 15.49 | 15.51 | 15.53 | 15.60 | 15.65 | 15.65 | 15.77 | 15.69 |
| Wholesale trade | 14.17 | 14.18 | 14.23 | 14.27 | 14.30 | 14.36 | 14.36 | 14.42 | 14.44 | 14.48 | 14.56 | 14.60 | 14.62 |
| Retail trade | | 8.84 | 8.83 | 8.85 | 8.89 | 8.93 | 8.95 | 8.98 | 9.03 | 9.04 | 9.06 | 9.10 | 9.12 |
| Finance, insurance, and real estate | 14.14 | 14.16 | 14.23 | 14.32 | 14.40 | 14.46 | 14.49 | 14.51 | 14.58 | 14.60 | 14.62 | 14.68 | 14.68 |
| Services | 12.94 | 12.98 | 13.02 | 13.05 | 13.08 | 13.17 | 13.22 | 13.27 | 13.28 | 13.33 | 13.38 | 13.42 | 13.47 |
| Total private (in constant (1982) dollars)3 | 7.78 | 7.80 | 7.80 | 7.80 | 7.81 | 7.83 | 7.84 | 7.86 | 7.83 | 7.85 | 7.89 | 7.88 | (4) |
| Goods-producing | 8.72 | 8.72 | 8.73 | 8.73 | 8.74 | 8.73 | 8.74 | 8.76 | 8.74 | 8.78 | 8.84 | 8.85 | (4) |
| Service-producing | 7.48 | 7.49 | 7.50 | 7.51 | 7.52 | 7.54 | 7.56 | 7.58 | 7.53 | 7.55 | 7.58 | 7.58 | (4) |
| | | | | | | Averag | e weekly | earnings | 3 | | | | |
| Total private (in current dollars) | 444.61 | 444.36 | 446.69 | 447.72 | 449.11 | 451.18 | 451.88 | 452.30 | 452.02 | 453.39 | 456.78 | 458.16 | 460.18 |
| Goods-producing | 591.43 | 589.37 | 593.48 | 593.27 | 596.36 | 597.18 | 596.96 | 596.09 | 600.00 | 604.75 | 611.82 | 614.29 | 611.98 |
| Mining | 742.90 | 738.70 | 749.46 | 747.79 | 743.89 | 732.30 | 729.71 | 729.30 | 738.91 | 751.91 | 746.24 | 776.25 | 760.24 |
| Construction | 653.46 | 640.76 | 655.42 | _ | 661.92 | 663.60 | 659.74 | 651.42 | 655.04 | | 676.10 | 668.69 | |
| Manufacturing | | 564.93 | | 566.29 | 567.12 | | 568.67 | 568.97 | 573.66 | | 581.72 | | |
| Service-producing | 406.32 | 406.06 | 408.29 | 409.61 | 410.92 | 413.22 | 415.14 | 414.26 | 414.92 | 415.90 | 417.54 | 420.13 | 421.12 |
| Transportation and public utilities | 604.00 | 604.04 | 604.43 | 604.07 | 604.88 | 608.76 | 607.99 | 607.22 | 608.40 | 607.22 | 608.79 | 611.88 | 615.0 |
| Wholesale trade | 544.13 | 543.09 | 1 | ŀ | 549.12 | 551.42 | 552.86 | 553.73 | 554.50 | 554.58 | 559.10 | 560.64 | 562.8 |
| Retail trade | 255.20 | 256.36 | 256.95 | | 257.81 | 258.97 | 261.34 | 260.42 | 261.87 | 263.06 | 263.65 | 264.81 | 265.39 |
| Finance, insurance, and real estate | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) | (5) |
| Services | 423.14 | 421.85 | 425.75 | 426.74 | 427.72 | 430.66 | 432.29 | 432.60 | 431.60 | 433.23 | 436.19 | 437.49 | 440.4 |
| Total private (in constant (1982) dollars)3 | 269.30 | 268.98 | 269.90 | 270.04 | 270.39 | 270.98 | 271.40 | 271.33 | 269.22 | 270.04 | 272.05 | 271,91 | (4) |
| Goods-producing | 358.23 | 356.76 | 358.60 | 357.82 | 359.04 | 358.67 | 358.53 | 357.58 | 357.36 | 360.18 | 364.40 | 364.56 | (4) |
| Service-producing | 246.11 | 245.80 | 246.70 | 247.05 | 247.39 | 248.18 | 249.33 | 248.51 | 247.12 | 247.71 | 248.68 | 249.34 | (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

and real estate; and services.

² Derived by assuming that overtime hours are paid at the rate of time and one-half.

one-half.

The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

⁴ Not available.

This series is not computed because the average weekly hours' component is not available on a seasonally adjusted basis.

p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1995 forward are subject to revision.

B-12. Employees on nonfarm payrolls by detailed industry

(In thousands)

| | 1987 | Ĺ | A | Il employe | es | | | Prod | uction wor | kers ¹ | |
|--|-------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|----------------|-------------------|---------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P |
| Total | | 125,762 | 125,966 | 129,593 | 128,768 | 128,721 | - | - | - | - | - |
| Total private | | 107,010 | 107,290 | 109,415 | 109,675 | 109,724 | 87,679 | 87,910 | 89,625 | 89,833 | 89,838 |
| Mining | | 598 | 597 | 533 | 538 | 536 | 456 | 454 | 401 | 405 | 406 |
| Metal mining | 10 | 51.1 | 50.9 | 49.3 | 49.0 | 47.4 | 39.1 | 38.8 | 37.6 | 37.3 | _ |
| Iron ores | 101 | 8.6 | 8.6 | 8.2 | 8.2 | - | 7.1 | 7.1 | 6.9 | 6.9 | - |
| Copper ores | 102 | 15.1 | 14.9 | 14.6 | 14.2 | _ | 11.3 | 11.1 | 11.0 | 10.7 | _ |
| Coal mining | 12 | 90.0 | 90.9 | 84.8 | 84.4 | 84.2 | 74.1 | 74.7 | 70.5 | 69.7 | _ |
| Bituminous coal and lignite mining | 122 | 83.8 | 84.7 | 78.8 | 78.3 | - | 68.7 | 69.4 | 65.2 | 64.4 | - |
| Oil and gas extraction | 13 | 344.3 | 342.1 | 286.3 | 290.5 | 291.7 | 256.3 | 254.6 | 206.5 | 211.4 | - |
| Crude petroleum and natural gas | 131 | 140.2 | 139.0 | 124.8 | 128.5 | - | 82.8 | 82.4 | 74.2 | 78.1 | |
| Oil and gas field services | 138 | 199.3 | 198.2 | 158.0 | 158.7 | - | 169.2 | 168.0 | 129.2 | 130.4 | _ |
| Nonmetallic minerals, except fuels | 14 | 112.7 | 113.3 | 112.9 | 113.7 | 113.0 | 86.1 | 86.3 | 86.2 | 86.8 | _ |
| Crushed and broken stone | 142 | 43.5 | 43.8 | 44.6 | 44.6 | - | 34.1 | 34.2 | 35.1 | 35.1 | - |
| Sand and gravel | 144 | 38.3 | 38.4 | 37.9 | 38.7 | - | - | - | - | _ | _ |
| Chemical and fertilizer minerals | 147 | 11.7 | 11.7 | 11.7 | 11.7 | _ | _ | - | - | - | _ |
| Construction | | 6,326 | 6,363 | 6,499 | 6,622 | 6,617 | 4,958 | 4,989 | 5,059 | 5,168 | 5,162 |
| General building contractors | 15 | 1,444.8 | 1,447.6 | 1,475.8 | 1,506.5 | 1,497.1 | 1,026.4 | 1,027.9 | 1,038.2 | 1,063.2 | - |
| Residential building construction | 152 | 737.8 | 740.0 | 771.3 | 785.4 | - | 506.6 | 507.0 | 529.1 | 540.0 | - |
| Operative builders | 153 | 28.5 | 28.0 | 28.9 | 29.5 | - | 11.5 | 11.2 | 11.6 | 11.7 | _ |
| Nonresidential building construction | 154 | 678.5 | 679.6 | 675.6 | 691.6 | _ | 508.3 | 509.7 | 497.5 | 511.5 | - |
| Heavy construction, except building | 16 | 911.9 | 921.8 | 917.1 | 928.1 | 931.2 | 772.4 | 782.6 | 771.7 | 783.1 | - |
| Highway and street construction | 161 | 301.1 | 303.7 | 302.3 | 308.4 | _ | 253.2 | 255.7 | 252.7 | 259.0 | - |
| Heavy construction, except highway | 162 | 610.8 | 618.1 | 614.8 | 619.7 | - | 519.2 | 526.9 | 519.0 | 524.1 | - |
| Special trade contractors | 17 | 3,969.1 | 3,993.2 | 4,106.1 | 4,187.5 | 4,189.1 | 3,159.6 | 3,178.4 | 3,248.8 | 3,321.4 | - |
| Plumbing, heating, and air conditioning | 171 | 851.6 | 853.7 | 879.6 | 892.3 | _ | 630.9 | 633.2 | 649.3 | 660.2 | - |
| | 172 | 222.5 | 224.5 | 227.1 | 233.8 | _ | 187.2 | 189.3 | 189.6 | 196.4 | - |
| Electrical work | | 744.7 | 748.7 | 771.9 | 788.6 | - | 592.1 | 595.0 459.4 | 607.5 476.3 | 622.1 483.0 | |
| Masonry, stonework, and plastering | 175 | 519.9 286.7 | 527.2 289.7 | 547.4 292.9 | 555.1 299.3 | _ | 452.5 220.1 | 221.1 | 220.3 | 225.3 | |
| Carpentry and floor work | | 271.2 | 273.1 | 273.9 | 283.2 | _ | 218.9 | 220.1 | 217.2 | 225.9 | _ |
| Manufacturing | | 18,620 | 18,852 | 18,498 | 18,409 | 18,481 | 12,725 | 12,959 | 12,702 | 12,620 | 12,704 |
| manuracturing | | 10,020 | 10,032 | | | | | - | | 1 | |
| Durable goods | | 11,017 | 11,188 | 11,030 | 10,965 | 10,987 | 7,456 | 7,625 | 7,547 | 7,483 | 7,509 |
| Lumber and wood products | 24 | 824.1 | 826.7 | 833.6 | 838.4 | 840.7 | 678.2 | 680.8 | 684.5 | 687.4 | 690.5 |
| Logging | | 82.0 | 82.9 | 77.3 | 79.3 | - | 65.0 | 65.9 | 61.8 | 63.4 | - |
| Sawmills and planing mills | 242 | 183.7 | 184.7 | 181.6 | 181.8 | _ | 160.4 | 161.4 | 158.1 | 158.3 | - |
| Sawmills and planing mills, general | | 144.9 | 144.3 | 140.9 | 141.2 | - | 126.0 | 125.6 33.7 | 122.2 33.5 | 122.4 33.6 | [_ |
| Hardwood dimension and flooring mills Millwork, plywood, and structural members | | 36.5 | 37.9 | 37.7 | 37.6 |] _ | 32.4 252.4 | 252.6 | 263.4 | 265.1 | _ |
| Millwork | 2431 | 126.6 | 126.0 | 131.2 | 132.9 | _ | 98.5 | 97.8 | 103.1 | 104.6 | _ |
| Wood kitchen cabinets | | 87.8 | 88.6 | 94.1 | 95.2 | [_ | 71.4 | 72.0 | 76.1 | 76.0 | - |
| Hardwood veneer and plywood | 2435 | 27.6 | 27.9 | 28.9 | 28.7 | - | 23.3 | 23.7 | 24.6 | 24.3 | - |
| Softwood veneer and plywood | 2436 | 27.9 | 27.9 | 28.0 | 28.2 | - | 25.6 | 25.5 | 24.7 | 24.7 | - |
| Wood containers | 244 | 55.5 | 54.7 | 55.3 | 55.2 | - | 47.4 | 46.7 | 47.4 | 47.2 | - |
| Wood buildings and mobile homes | 245 | 101.1 | 101.4 | 102.9 78.2 | 102.8 | - | 81.2 64.9 | 81.3 65.2 | 81.2 64.9 | 81.1 64.0 | |
| Mobile homes | | 77.2 88.4 | 89.2 | 89.0 | 88.4 | _ | 71.8 | 72.9 | 72.6 | 72.3 | _ |
| , | | 506.7 | E21.2 | 541.0 | E40.0 | E41.0 | 418.2 | 422.8 | 431.5 | 429.2 | 430.5 |
| Furniture and fixtures Household furniture | 25 | 526.7 277.8 | 531.3 279.7 | 286.0 | 540.2 283.8 | 541.0 | 234.5 | 236.1 | 243.1 | 240.8 | 430.5 |
| Wood household furniture | 2511 | 127.4 | 128.4 | 130.0 | 129.1 | _ | 110.2 | 111.1 | 113.0 | 112.0 | _ |
| Uphoistered household furniture | | 87.5 | 88.7 | 91.1 | 91.1 | _ | 74.4 | 75.3 | 77.9 | 77.8 | _ |
| Metal household furniture | 2514 | 16.7 | 16.0 | 18.1 | 17.1 | - | 13.4 | 12.8 | 15.0 | 14.1 | - |
| Mattresses and bedsprings | | 34.4 | 34.7 | 34.8 | 34.8 | _ | 26.5 | 26.8 | 26.9 | 26.8 | _ |

ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

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

(In thousands)

| | 1987 | | Al | l employe | es | | | Prod | uction wor | kers ¹ | |
|---|-------------|--------------|---------------|---------------|---------------------------|---------------------------|--------------|--------------|--------------|-------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p |
| Durable goods—Continued | | - | | | | | | | | | |
| Furniture and fixtures—Continued | | | | | | | | | | | |
| Office furniture | 252 | 70.4 | 70.6 | 68.4 | 68.8 | ~ | 51.6 | 51.8 | 49.2 | 49.2 | _ |
| Public building and related furniture | | 44.9 | 46.5 | 48.8 | 48.9 | _ | 34.9 | 36.5 | 38.1 | 37.9 | _ |
| Partitions and fixtures | | 93.4 | 94.0 | 95.7 | 96.4 | _ | 69.9 | 70.6 | 72.3 | 72.6 | _ |
| Miscellaneous furniture and fixtures | 259 | 40.2 | 40.5 | 42.1 | 42.3 | - | 27.3 | 27.8 | 28.8 | 28.7 | - |
| Stone, clay, and glass products | 22 | 569.7 | 575.4 | 579.3 | 577.4 | 578.7 | 444.0 | 449.8 | 455.1 | 452.3 | 454. |
| Fiat glass | | 16.5 | 16.6 | 16.9 | 16.8 | ~ | 13.1 | 13.0 | 13.6 | 13.6 | 454. |
| Glass and glassware, pressed or blown | | 70.3 | 71.8 | 69.9 | 69.3 | _ | 57.7 | 59.1 | 57.6 | 56.8 | _ |
| Glass containers | | 25.5 | 25.6 | 24.3 | 24.0 | _ | 22.5 | 22.5 | 21.1 | 20.8 | _ |
| Pressed and blown glass, nec | | 44.8 | 46.2 | 45.6 | 45.3 | _ | 35.2 | 36.6 | 36.5 | 36.0 | _ |
| Products of purchased glass | | 61.8 | 63.6 | 63.0 | 62.3 | _ | 47.0 | 48.9 | 48.4 | 47.6 | _ |
| Cement, hydraulic | | 17.9 | 17.8 | 17.9 | 18.1 | | 13.6 | 13.5 | 13.3 | 13.4 |] |
| Structural clay products | | 33.7 | 33.4 | 33.7 | 33.4 | - | 26.2 | 25.6 | 26.2 | 26.0 | |
| Pottery and related products | | 37.5 | 37.9 | 37.6 | 37.1 | _ | 29.0 | 29.8 | 29.4 | 28.9 | _ |
| Concrete, gypsum, and plaster products | | 238.4 | 239.7 | 245.8 | 246.5 | ~ | 185.0 | 186.7 | 193.3 | 193.4 | _ |
| Concrete block and brick | 3271 | 19.8 | 19.5 | 20.8 | 20.8 | _ | 12.6 | 12.4 | 13.9 | 13.9 | _ |
| Concrete products, nec | | 77.9 | 78.9 | 83.4 | 83.1 | _ ' | 60.3 | 61.2 | 65.0 | 64.5 | _ |
| Ready-mixed concrete | | 122.5 | 123.1 | 123.4 | 124.5 | _ | 97.8 | 98.8 | 99.9 | 100.6 | _ |
| Misc. nonmetallic mineral products | 329 | 78.5 | 79.2 | 78.3 | 78.1 | _ | 60.6 | 61.3 | 60.9 | 60.8 | _ |
| Abrasive products | | 19.8 | 19.7 | 18.9 | 19.0 | _ | 15.7 | 15.6 | 15.0 | 15.1 | _ |
| Asbestos products | | 2.4 | 2.4 | 2.2 | 2.2 | | 2.0 | 2.0 | 1.8 | 1.8 | - |
| Mineral wool | | 24.2 | 24.8 | 25.1 | 25.1 | ~ | _ | - | | | _ |
| | | | | | | | | | | | |
| Primary metal industries | 33 | 697.3 | 711.4 | 690.5 | 684.9 | 688.2 | 543.2 | 556.1 | 538.3 | 533.2 | 535. |
| Blast furnaces and basic steel products | 331 | 232.4 | 231.4 | 221.5 | 222.2 | 223.4 | 179.9 | 178.7 | 172.1 | 172.7 | 172. |
| Blast furnaces and steel mills | | 160.0 | 159.2 | 152.5 | 153.8 | - | 124.9 | 124.1 | 119.5 | 120.7 | _ |
| Steel pipe and tubes | | 28.6 | 28.6 | 28.1 | 27.7 | - ' | 21.6 | 21.7 | 21.5 | 21.1 | _ |
| Iron and steel foundries | | 125.8 | 130.4 | 127.1 | 125.8 | - | 102.3 | 106.7 | 103.8 | 102.8 | _ |
| Gray and ductile iron foundries | | 74.9 | 79.4 | 77.8 | 77.1 | - | 61.3 | 65.8 | 64.4 | 63.9 | - |
| Malleable iron foundries | | 4.2 | 4.6 | 4.8 | 4.7 | - | 3.1 | 3.4 | 3.6 | 3.6 | _ |
| Steel foundries, nec | 4 | 28.2 | 28.1 | 28.2 | 28.0 | - ' | 23.1 | 22.8 | 23.0 | 22.8 | - |
| Primary nonferrous metals | | 39.1 | 39.2 | 37.5 | 37.5 | - | 30.4 | 30.7 | 28.9 | 28.8 | _ |
| Primary aluminum | | 22.5 | 22.8 | 21.5 | 21.6 | ~ | 18.4 | 18.7 | 17.4 | 17.4 | - |
| Nonferrous rolling and drawing | | 166.3 | 171.3 | 167.5 | 165.4 | | 126.0 | 130.7 | 126.0 | 124.1 | _ |
| Copper rolling and drawing | | 22.7 | 23.0 | 21.9 | 22.0 | _ | 18.3 | 18.6 | 17.7 | 17.6 | _ |
| Aluminum sheet, plate, and foil | | 21.1 | 21.1 | 19.7 | 19.3 | - | 15.7 | 15.7 | 14.4 | 13.8 | _ |
| Nonferrous wire drawing and insulating | | 68.9 | 73.1 | 72.0 | 70.1 | - | 50.6 | 54.4 | 53.4 | 52.1 | _ |
| Nonferrous foundries (castings) | | 86.4 24.5 | 91.8 26.0 | 91.0 26.0 | 89.2 25.3 | - | 69.2 19.8 | 74.4 21.3 | 74.0 21.4 | 72.1 20.7 | - |
| Aluminam journales | 3303 | 24.5 | 20.0 | 20.0 | 23.3 | _ | 19.0 | 21.3 | 21.4 | 20.7 | _ |
| Fabricated metal products | 34 | 1,474.9 | 1,500.2 | 1,492.2 | 1,476.5 | 1,482.7 | 1,105.9 | 1,127.1 | 1,121.9 | 1,106.6 | 1,112 |
| Metal cans and shipping containers | | 36.4 | 36.6 | 35.6 | 35.4 | | 30.8 | 31.1 | 30.3 | 30.1 | |
| Metal cans | | 29.3 | 29.6 | 28.7 | 28.6 | - | 25.3 | 25.6 | 24.9 | 24.8 | _ |
| Cutlery, handtools, and hardware | 342 | 124.4 | 125.9 | 124.8 | 123.4 | - | 95.1 | 96.7 | 96.2 | 95.0 | - |
| Hand and edge tools, and blades and handsaws | 3423,5 | 43.2 | 43.7 | 42.7 | 41.9 | - | 33.3 | 33.8 | 33.3 | 32.5 | - |
| Hardware, nec | | 68.4 | 69.3 | 69.2 | 69.0 | - | 52.1 | 53.1 | 53.1 | 53.1 | _ |
| Plumbing and heating, except electric | 343 | 57.4 | 57.2 | 58.4 | 58.3 | - | 40.6 | 40.3 | 41.7 | 41.4 | - |
| Plumbing fixture fittings and trim | 3432 | 23.7 | 23.6 | 24.3 | 24.2 | ~ | 17.2 | 17.0 | 17.6 | 17.4 | - |
| Heating equipment, except electric | | 19.3 | 19.3 | 19.4 | 19.6 | ~ | 12.5 | 12.5 | 13.1 | 13.3 | _ |
| Fabricated structural metal products | | 464.1 | 467.9 | 468.5 | 468.9 | - | 339.8 | 340.7 | 341.9 | 341.6 | _ |
| Fabricated structural metal | | 82.1 | 82.5 | 83.5 | 83.5 | - | 59.9 | 60.4 | 60.5 | 60.4 | _ |
| Metal doors, sash, and trim | 3442 | 79.3 | 81.8 | 83.8 | 84.5 | - | 58.8 | 58.8 | 62.1 | 62.6 | - |
| Fabricated plate work (boiler shops) | 3443 | 102.0 | 102.1 | 98.2 | 97.5 | - | 73.8 | 73.5 | 70.5 | 69.8 | - |
| Sheet metal work | | 124.0 | 124.3 | 124.6 | 124.6 | - | 95.1 | 95.4 | 95.4 | 95.4 | _ |
| Architectural metal work | | 31.8 | 32.1 | 33.4 | 33.4 | - | 23.4 | 23.6 | 24.2 | 24.1 | _ |
| Screw machine products, bolts, etc | | 104.8 | 105.5 | 104.2 | 102.0 | - | 81.8 | 82.7 | 81.2 | 79.3 | _ |
| Screw machine products | | 53.5 | 53.7 | 53.3 | 51.7 | - | 43.6 | 44.0 | 43.2 | 41.9 | _ |
| Bolts, nuts, rivets, and washers | 3452 | 51.3 | 51.8 | 50.9 | 50.3 | - | 38.2 | 38.7 | 38.0 | 37.4 | _ |
| Metal forgings and stampings | 346 | 238.6 | 255.5 | 257.8 | 249.4 | - | 184.7 | 200.2 | 202.5 | 194.6 | _ |
| | 10400 | 33.0 | 32.9 | 31.2 | 30.5 | _ | 25.2 | 25.0 | 23.2 | 22.6 | _ |
| Iron and steel forgings | | | | | | l | | | | | |
| Iron and steel forgings Automotive stampings Metal stampings, nec | 3465 | 96.5 95.3 | 112.6 96.2 | 115.6 97.3 | 109.6 96.1 | - | 76.3 72.6 | 91.2 73.4 | 94.1 74.7 | 88.5 73.5 | _ |

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

(In thousands)

| | 1987 | | A | l employe | es | | | Produ | uction wor | kers ¹ | , |
|--|-------------|---------------|---------------|--------------|---------------------------|---------------------------|--------------|--------------|---------------|-------------------|---------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P |
| Durable goods—Continued | | | | | | | | | | | |
| Fabricated metal products—Continued | | | | | | | | | | | |
| Metal services, nec | 347 | 140.2 | 142.4 | 142.0 | 139.7 | _ | 112.6 | 114.8 | 113.8 | 111.7 | - |
| Plating and polishing | | 85.6 | 86.7 | 86.2 | 84.5 | - | 69.8 | 70.7 | 69.8 | 68.3 | - |
| Metal coating and allied services | 3479 | 54.6 | 55.7 | 55.8 | 55.2 | - | 42.8 | 44.1 | 44.0 | 43.4 | - |
| Ordnance and accessories, nec | | 40.7 | 40.8 | 39.6 | 39.9 | - | 23.7 | 24.0 | 23.8 | 23.8 | - |
| Ammunition, except for small arms, nec | 3483 | 19.6 | 19.6 | 18.5 | 18.6 | - | 8.9 | 8.9 | 9.0 | 9.1 | - |
| Miscellaneous fabricated metal products | | 268.3 | 268.4 | 261.3 | 259.5 | - | 196.8 | 196.6 | 190.5 | 189.1 | - |
| Valves and pipe fittings, nec | | 24.8 | 24.8 | 24.1 | 23.9 | - | 18.1 | 18.0 | 17.6 | 17.5 | - |
| Misc. fabricated wire products | 3496 | 56.9 | 57.1 | 57.2 | 56.9 | - | 42.8 | 42.6 | 43.3 | 43.0 | - |
| Industrial machinery and equipment | 35 | 2,201.4 | 2,194.8 | 2,140.1 | 2,123.9 | 2,108.6 | 1,381.2 | 1,378.8 | 1,350.3 | 1,334.4 | 1,320.1 |
| Engines and turbines | 351 | 80.4 | 82.8 | 84.1 | 82.6 | - | 50.1 | 53.2 | 55.8 | 54.1 | _ |
| Turbines and turbine generator sets | | 23.8 | 24.1 | 24.2 | 24.1 | - 1 | 13.3 | 13.6 | 12.8 | 12.5 | - |
| Internal combustion engines, nec | 3519 | 56.6 | 58.7 | 59.9 | 58.5 | - | 36.8 | 39.6 | 43.0 | 41.6 | - |
| Farm and garden machinery | | 100.8 | 100.4 | 96.0 | 90.9 | - | 70.7 | 70.8 | 67.7 | 62.4 | - |
| Farm machinery and equipment | | 78.0 | 78.4 | 70.9 | 68.7 | - | 55.3 | 56.1 | 49.5 | 47.4 | - |
| Construction and related machinery | | 256.0 | 254.5 | 243.6 | 243.2 | - | 166.6 | 165.4 | 154.1 | 153.6 | - |
| Construction machinery | 3531 | 93.1 | 92.8 | 92.3 | 92.1 | - | 63.6 | 63.3 | 62.9 | 62.6 | - |
| Mining machinery | 3532 | 16.9 | 17.0 | 15.6 | 15.4 | _ | 9.9 | 10.0 | 9.0 | 8.9 | - |
| Oil and gas field machinery | 3533 | 51.4 | 50.8 | 40.9 | 40.2 | - | 34.5 | 33.9 | 23.8 | 23.6 | - |
| Conveyors and conveying equipment | 3535 | 41.4 | 41.3 | 41.0 | 41.5 | - | 22.5 | 22.5 | 21.6 | 21.6 | _ |
| Industrial trucks and tractors | | 34.0 | 34.0 | 34.3 | 34.6 | - | 23.6 | 23.7 | 23.7 | 23.8 | _ |
| Metalworking machinery | | 351.6 | 350.9 | 340.0 | 337.1 | _ | 250.2 | 249.1 | 242.3 24.9 | 239.7 24.6 | _ |
| Machine tools, metal cutting types | | 43.6 | 43.5 | 40.8 16.7 | 40.2 16.7 | 1 | 27.5 10.9 | 27.5 10.9 | 10.2 | 10.1 | } _ |
| Machine tools, metal forming types | | 17.4 166.9 | 17.4 166.6 | 164.6 | 163.4 | _ | 126.4 | 126.3 | 125.6 | 124.3 | - |
| Special dies, tools, jigs, and fixtures | | 55.4 | 55.2 | 53.4 | 53.2 | _ | 39.7 | 39.3 | 38.0 | 37.8 | _ |
| Power driven handtools | | 21.2 | 21.2 | 20.3 | 19.9 | | 15.2 | 15.1 | 15.2 | 14.9 | _ |
| Special industry machinery | | 179.3 | 178.1 | 169.6 | 169.4 | | 96.0 | 96.0 | 91.4 | 91.2 | _ |
| Textile machinery | | 14.1 | 14.3 | 13.6 | 13.4 | _ | 9.1 | 9.2 | 8.5 | 8.6 | l – |
| Printing trades machinery | | 22.2 | 22.0 | 20.7 | 20.9 | _ | 12.5 | 12.5 | 11.8 | 11.9 | _ |
| Food products machinery | 3556 | 24.9 | 24.7 | 24.9 | 24.8 | - 1 | 14.7 | 14.7 | 14.9 | 14.8 | _ |
| General industrial machinery | 356 | 269.6 | 269.1 | 261.6 | 260.1 | - 1 | 170.3 | 170.5 | 165.8 | 164.8 | - |
| Pumps and pumping equipment | | 31.6 | 31.7 | 30.3 | 29.8 | - | 18.2 | 18.6 | 17.4 | 17.0 | - |
| Ball and roller bearings | | 41.0 | 41.5 | 39.9 | 39.6 | - | 31.4 | 31.8 | 30.4 | 30.4 | _ |
| Air and gas compressors | | 26.6 | 26.3 | 27.7 | 27.8 | - | 14.8 | 14.6 | 15.5 | 15.5 | - |
| Blowers and fans | | 37.0 | 36.8 | 36.5 | 36.6 | - | 25.3 | 25.4 | 25.6 | 25.8 | - |
| Speed changers, drives, and gears | | 18.2 | 18.0 | 16.8 | 16.5 | - | 13.1 | 13.0 | 12.2 | 12.1 | - |
| Power transmission equipment, nec | | 22.3 | 22.3 | 21.4 | 21.2 | | 15.7 | 15.7 | 14.8 | 14.7 | - |
| Computer and office equipment | | 381.0 | 378.6 | 364.7 | 362.2 | 359.7 | 146.5 | 144.8 | 146.3 | 144.9 | _ |
| Electronic computers | 3571 | 201.2 | 200.4 | 185.0 | 182.3 | _ | 72.7 | 72.5 | 74.1 | 73.5 | _ |
| Computer terminals, calculators, and | 2575 9 0 | 61.0 | 60.8 | 63.0 | 63.4 | _ | 23.6 | 23.2 | 24.4 | 24.5 | _ |
| office machines, necRefrigeration and service machinery | 3575,6,9 | 200.4 | 198.2 | 204.6 | 203.8 | - | 144,4 | 142.0 | 146.7 | 145.8 | l |
| Refrigeration and heating equipment | | 137.3 | 135.1 | 143.5 | 142.8 | _ | 104.6 | 101.9 | 108.8 | 107.9 | l _ |
| Misc. industrial and commercial machinery | | 382.3 | 382.2 | 375.9 | 374.6 | _ | 286.4 | 287.0 | 280.2 | 277.9 | _ |
| Carburetors, pistons, rings, valves | | 23.6 | 24.2 | 24.5 | 24.2 | _ | 18.9 | 19.3 | 19.6 | 19.4 | l <u>-</u> |
| Scales, balances, and industrial machinery, nec | | 310.0 | 309.5 | 304.7 | 304.2 | - | 237.1 | 237.4 | 231.2 | 229.7 | - |
| Electronic and other electrical acculament | 36 | 1.700.9 | 1,696.1 | 1,663.2 | 1.662.8 | 1,662.8 | 1,055.9 | 1.055.9 | 1,033.2 | 1,036.7 | 1.036.9 |
| Electronic and other electrical equipment Electric distribution equipment | 361 | 82.3 | 82.6 | 82.6 | 82.1 | 1,002.0 | 54.7 | 55.1 | 55.8 | 55.3 | 1,030.9 |
| Transformers, except electronic | | 37.7 | 38.0 | 37.6 | 37.5 | _ | 24.9 | 25.2 | 26.1 | 26.1 | |
| Switchgear and switchboard apparatus | | 44.6 | 44.6 | 45.0 | 44.6 | _ | 29.8 | 29.9 | 29.7 | 29.2 | _ |
| Electrical industrial apparatus | | 152.2 | 151.5 | 147.0 | 145.7 | _ | 105.1 | 104.1 | 101.2 | 99.6 | - |
| Motors and generators | | 74.2 | 73.9 | 72.0 | 70.9 | _ | 57.1 | 56.5 | 55.7 | 54.6 | _ |
| Relays and industrial controls | | 58.1 | 57.6 | 55.7 | 55.6 | | 33.7 | 33.2 | 32.0 | 31.6 | - |
| Household appliances | | 115.0 | 115.0 | 117.4 | 119.3 | - | 90.9 | 91.6 | 96.6 | 98.8 | _ |
| nouseriou appliances | | | t . | | | 1 | | | | | I |
| Household refrigerators and freezers | 3632 | 26.6 | 27.3 | 27.1 | 28.8 | - | 21.2 | 22.0 | 23.2 | 25.4 | - |
| | 3633 | 26.6 16.1 | 27.3 14.4 | 27.1 18.3 | 28.8 18.3 | - | 13.0 | 11.7 | 16.2 | 25.4 16.3 | _ |

ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

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

(In thousands)

| | 1987 | | Al | l employe | es | ··· | | Prod | uction wor | kers ¹ | |
|--|-------------|----------------|----------------|----------------|---------------------------|---------------------------|---------------|---------------|---------------|-------------------|--------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 |
| Ourable goods—Continued | | | | | | | | | | | |
| Electronic and other electrical equipmentContinued | | | | | | | | | | | ĺ |
| Electric lighting and wiring equipment | 364 | 182.6 | 182.4 | 178.1 | 176.3 | _ | 129.8 | 129.8 | 127.1 | 126.8 | i – |
| Electric lamps | | 20.2 | 19.6 | 19.7 | 19.7 | - | 15.7 | 15.4 | 15.8 | 15.6 | - |
| Current-carrying wiring devices | | 63.7 | 62.9 | 58.0 | 56.2 | - | 41.5 | 41.0 | 38.9 | 38.8 | - |
| Noncurrent-carrying wiring devices | | 18.9 | 19.0 | 20.0 | 19.8 | - | 14.3 | 14.2 | 14.9 | 14.9 | _ |
| Residential ing fixtures | | 20.6 | 21.2 | 21.0 | 20.7 | _ | 15.3 | 15.8 | 15.4 | 15.2 | _ |
| Household audio and video equipment Household audio and video equipment | | 81.2 54.5 | 81.9 55.3 | 82.0 54.4 | 82.2 54.1 | _ | 51.4 31.5 | 52.2 32.3 | 52.7 32.1 | 53.3 32.1 | _ |
| Communications equipment | | 283.5 | 282.2 | 273.8 | 275.4 | _ | 128.2 | 128.8 | 121.5 | 125.1 | _ |
| Telephone and telegraph apparatus | | 127.1 | 127.5 | 121.3 | 122.4 | _ | 57.2 | 57.9 | 55.0 | 56.5 | _ |
| Electronic components and accessories | | 660.8 | 654.9 | 640.2 | 639.9 | 641.8 | 393.9 | 390.7 | 377.4 | 377.4 | _ |
| Electron tubes | | 20.2 | 20.1 | 19.9 | 19.2 | 0-1.0 | 14.4 | 14.3 | 14.8 | 14.4 | _ |
| Semiconductors and related devices | | 287.1 | 282.6 | 270.4 | 271.1 | _ | 127.4 | 125.8 | 114.2 | 115.4 | _ |
| Electronic components, nec | | 146.1 | 146.1 | 143.4 | 142.6 | _ | 99.8 | 100.0 | 96.5 | 95.9 | _ |
| Misc. electrical equipment and supplies | | 143.3 | 145.6 | 142.1 | 141.9 | _ | 101.9 | 103.6 | 100.9 | 100.4 | _ |
| Storage batteries | | 25.4 | 25.7 | 26.1 | 25.9 | _ | 19.6 | 20.0 | 20.4 | 20.3 | _ |
| Engine electrical equipment | | 62.4 | 64.1 | 62.4 | 62.0 | - | 47.5 | 49.0 | 47.6 | 46.7 | _ |
| Transportation equipment | 37 | 1,760.1 | 1,891.7 | 1,860.1 | 1,835.2 | 1,858.8 | 1,125.0 | 1,248.3 | 1,235.6 | 1,212.7 | 1,238 |
| Motor vehicles and equipment | | 861.0 | 995.9 | 1.007.2 | 987.8 | 1,011.2 | 625.7 | 751.3 | 769.2 | 750.7 | 774 |
| Motor vehicles and car bodies | | 271.9 | 349.7 | 344.3 | 335.3 | | 173.9 | 248.4 | 245.4 | 237.6 | |
| Truck and bus bodies | | 41.2 | 42.7 | 45.6 | 46.0 | _ | 32.4 | 33.7 | 36.3 | 36.1 | _ |
| Motor vehicle parts and accessories | | 490.2 | 544.8 | 554.2 | 543.1 | _ | 372.3 | 421.6 | 436.3 | 426.0 | _ |
| Truck trailers | | 38.3 | 39.3 | 41.9 | 42.2 | - | 30.9 | 31.5 | 33.4 | 33.6 | _ |
| Aircraft and parts | | 525.2 | 523.7 | 489.9 | 486.9 | 482.0 | 264.2 | 262.9 | 243.6 | 241.0 | _ |
| Aircraft | 3721 | 270.2 | 269.8 | 248.9 | 246.2 | - | 113.5 | 113.7 | 103.6 | 102.7 | _ |
| Aircraft engines and engine parts | 3724 | 104.6 | 104.3 | 99.7 | 100.5 | - | 53.8 | 53.1 | 50.5 | 49.9 | _ |
| Aircraft parts and equipment, nec | 3728 | 150.4 | 149.6 | 141.3 | 140.2 | - | 96.9 | 96.1 | 89.5 | 88.4 | _ |
| Ship and boat building and repairing | | 167.7 | 165.8 | 160.1 | 159.1 | - | 127.2 | 126.1 | 116.7 | 116.1 | _ |
| Ship building and repairing | | 106.6 | 104.8 | 95.1 | 94.3 | - | 76.8 | 75.7 | 62.7 | 62.4 | _ |
| Boat building and repairing | | 61.1 | 61.0 | 65.0 | 64.8 | - | 50.4 | 50.4 | 54.0 | 53.7 | - |
| Railroad equipment | | 37.1 | 37.2 | 34.9 | 34.0 | - | 27.1 | 27.3 | 24.2 | 23.7 | - |
| Guided missiles, space vehicles, and parts | | 92.5 | 92.1 | 87.5 | 87.3 | - | 24.8 | 24.5 | 22.9 | 22.7 | _ |
| Guided missiles and space vehicles | | 63.9 | 63.5 | 60.3 | 60.3 | - | 15.6 | 15.3 | 14.0 | 13.9 | _ |
| Miscellaneous transportation equipment Travel trailers and campers | | 54.9 22.2 | 55.2 22.5 | 57.6 22.9 | 57.3 22.6 | _ | 40.4 18.9 | 40.7 19.0 | 43.0 19.4 | 42.6 19.1 | _ |
| factories cate and related each at | 00 | 070.0 | 007.0 | 040.7 | 044.4 | 000.0 | 400.0 | 401.0 | 400.5 | 404.7 | 404 |
| Instruments and related products | | 870.0 | 867.3 | 840.7 | 841.1 | 836.6 | 432.3 | 431.2 | 426.5 | 424.7 | 421 |
| Search and navigation equipment Measuring and controlling devices | | 161.7 306.7 | 162.1 304.9 | 155.3 294.4 | 156.1 295.0 | | 42.5 156.9 | 43.9 155.2 | 41.6 149.7 | 40.4 148.8 | _ |
| Environmental controls | | 39.9 | 39.3 | 38.8 | 39.3 | _ | 27.3 | 27.2 | 26.0 | 26.0 | _ |
| Process control instruments | | 67.2 | 67.0 | 64.5 | 64.7 | _ | 34.4 | 33.9 | 33.1 | 33.1 | _ |
| Instruments to measure electricity | | 77.9 | 77.7 | 73.5 | 73.3 | _ | 31.9 | 31.7 | 29.2 | 28.4 | _ |
| Medical instruments and supplies | 384 | 280.0 | 278.6 | 277.8 | 278.1 | _ | 166.7 | 165.6 | 167.1 | 166.8 | _ |
| Surgical and medical instruments | 3841 | 112.3 | 111.5 | 111.7 | 112.0 | - | 72.7 | 72.4 | 72.1 | 72.1 | _ |
| Surgical appliances and supplies | | 95.3 | 94.9 | 96.2 | 96.0 | - | 59.2 | 58.7 | 60.5 | 60.4 | _ |
| Ophthalmic goods | | 35.2 | 35.1 | 33.8 | 33.3 | _ | 24.3 | 24.1 | 24.2 | 24.0 | _ |
| Photographic equipment and supplies | 386 | 80.6 | 80.1 | 73.2 | 72.8 | - | 37.2 | 37.1 | 38.8 | 40.0 | - |
| Watches, clocks, watchcases, and parts | 387 | 5.8 | 6.5 | 6.2 | 5.8 | - | 4.7 | 5.3 | 5.1 | 4.7 | _ |
| Miscellaneous manufacturing industries | | 391.7 | 393.0 | 389.1 | 384.9 | 389.0 | 272.5 | 274.3 | 269.7 | 266.0 | 269 |
| Jewelry, silverware, and plated ware | | 49.1 | 51.0 | 48.8 | 47.2 | - | 33.5 | 35.1 | 33.1 | 31.6 | - |
| Jewelry, precious metal | | 36.7 | 37.8 | 35.9 | 34.7 | - | 24.6 | 25.5 | 23.7 | 22.6 | - |
| Musical instruments | | 16.1 | 16.2 | 16.4 | 15.9 | - | 12.6 | 12.9 | 13.1 | 12.7 | - |
| Toys and sporting goods | | 105.0 | 102.4 | 102.4 | 100.3 | - | 71.0 | 68.6 | 69.4 | 67.7 | - |
| Dolls, games, toys, and children's vehicles | | 33.1 | 33.6 | 31.0 | 30.1 | - | 20.9 | 21.3 | 20.1 | 19.4 | ~ |
| Sporting and athletic goods, nec | | 71.9 | 68.8 | 71.4 | 70.2 | - ' | 50.1 | 47.3 | 49.3 | 48.3 | _ |
| Pens, pencils, office, and art supplies | 395 | 31.3 | 30.7 | 30.5 | 30.1 | - | 21.9 | 21.4 | 20.9 | 20.6 | _ |
| Costume jewelry and notions | 396 | 21.5 | 22.4 | 20.7 | 20.0 | - | 15.2 | 16.0 | 15.1 | 14.5 | _ |
| Costume jewelry | | 11.8 | 12.6 | 11.5 | 11.0 | - | 8.5 | 9.2 | 8.2 | 7.8 | |
| Miscellaneous manufactures | | 168.7 | 170.3 74.0 | 170.3 | 171.4 76.6 | _ | 118.3 47.9 | 120.3 48.5 | 118.1 49.5 | 118.9 49.7 | _ |
| Signs and advertising specialties | 3883 | 73.5 | / /4.0 | 76.2 | 70.0 | | 47.9 | 40.0 | 49.5 | 49.7 | ı |

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

(In thousands)

| industry | 1987 | All employees | | | | | Production workers ¹ | | | | | |
|--|-------------|---------------|--------------|--------------|---------------|---------------------------|---------------------------------|--------------|--------------|---------------|--------------|--|
| | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 | |
| Nondurable goods | .[| 7,603 | 7,664 | 7,468 | 7,444 | 7,494 | 5,269 | 5,334 | 5,155 | 5,137 | 5,19 | |
| Food and kindred products | . 20 | 1,708.0 | 1,745.3 | 1,678.5 | 1,705.6 | 1,742.4 | 1,267.7 | 1,305.7 | 1,247.1 | 1,274.0 | 1,311. | |
| Meat products | . 201 | 495.0 | 496.3 | 499.9 | 502.1 | | 418.4 | 420.7 | 425.7 | 427.9 | '- | |
| Meat packing plants | . 2011 | 150.1 | 149.7 | 150.5 | 151.3 | - | 124.7 | 124.4 | 126.3 | 126.5 | - | |
| Sausages and other prepared meats | . 2013 | 99.0 | 99.5 | 100.7 | 101.3 | - | 77.3 | 78.2 | 79.9 | 80.4 | - | |
| Poultry slaughtering and processing | . 2015 | 245.9 | 247.1 | 248.7 | 249.5 | - | 216.4 | 218.1 | 219.5 | 221.0 | _ | |
| Dairy products | . 202 | 142.2 | 141.7 | 143.7 | 143.2 | _ | 96.9 | 96.4 | 99.0 | 98.9 | _ | |
| Cheese, natural and processed | | 39.7 | 39.5 | 39.2 | 40.0 | - | 32.3 | 31.9 | 32.0 | 33.0 | _ | |
| Fluid milk | . 2026 | 61.9 | 62.0 | 63.0 | 62.2 | - | 36.2 | 36.4 | 37.6 | 37.2 | _ | |
| Preserved fruits and vegetables | 203 | 245.0 | 278.3 | 217.9 | 239.8 | - | 207.6 | 241.6 | 181.1 | 202.3 | _ | |
| Canned specialties | . 2032 | 16.1 | 17.9 | 15.5 | 15.5 | - | 12.6 | 14.5 | 12.5 | 12.5 | _ | |
| Canned fruits and vegetables | . 2033 | 78.6 | 106.2 | 62.6 | 76.6 | - | 66.2 | 94.0 | 51.7 | 65.1 | _ | |
| Frozen fruits and vegetables | | 52.9 | 57.6 | 45.3 | 50.9 | _ | 46.2 | 51.1 | 38.7 | 44.3 | - | |
| Grain mill products | . 204 | 124.5 | 125.4 | 125.6 | 124.7 | - | 87.7 | 88.3 | 89.8 | 88.5 | _ | |
| Flour and other grain mill products | . 2041 | 19.3 | 19.4 | 19.4 | 19.1 | _ | 11.7 | 11.7 | 11.9 | 11.7 | - | |
| Prepared feeds, nec | . 2048 | 39.7 | 40.0 | 40.6 | 39.9 | | 25.4 | 25.5 | 27.0 | 26.0 | _ | |
| Bakery products | . 205 | 205.9 | 206.8 | 205.9 | 205.2 | - | 139.4 | 140.5 | 140.9 | 140.6 | _ | |
| Bread, cake, and related products | . 2051 | 147.2 | 146.6 | 143.9 | 144.1 | - | 89.7 | 89.2 | 87.9 | 88.7 | _ | |
| Cookies, crackers, and frozen bakery products, | | | | | | | | | | | | |
| except bread | . 2052,3 | 58.7 | 60.2 | 62.0 | 61.1 | - | 49.7 | 51.3 | 53.0 | 51.9 | _ | |
| Sugar and confectionery products | . 206 | 91.5 | 94.5 | 89.8 | 88.6 | - | 70.8 | 72.9 | 69.9 | 68.5 | _ | |
| Raw cane sugar | | 2.6 | 4.0 | 4.0 | 3.4 | - | 1.8 | 2.8 | 3.2 | 2.6 | _ | |
| Cane sugar refining | | 3.8 | 3.8 | 3.8 | 4.0 | - | 2.9 | 2.8 | 2.7 | 2.5 | - | |
| Beet sugar | . 2063 | 6.8 | 6.9 | 7.7 | 7.2 | - | 5.8 | 5.9 | 6.6 | 6.1 | - | |
| Candy and other confectionery products | | 52.0 | 53.5 | 48.2 | 48.4 | . – | 40.6 | 41.7 | 37.9 | 38.3 | - | |
| Fats and oils | | 33.7 | 33.6 | 33.8 | 34.0 | - | 22.6 | 22.5 | 23.0 | 23.1 | - | |
| Beverages | | 185.2 | 185.2 | 185.1 | 186.2 | - | 88.9 | 89.0 | 90.1 | 91.4 | - | |
| Malt beverages | . 2082 | 33.2 | 33.0 | 32.6 | 32.6 | - 1 | 20.8 | 20.6 | 20.2 | 20.3 | - | |
| Bottled and canned soft drinks | . 2086 | 99.2 | 99.4 | 99.2 | 99.7 | l – i | 40.6 | 40.9 | 40.8 | 41.7 | - | |
| Misc. food and kindred products | . 209 | 185.0 | 183.5 | 176.8 | 181.8 | - | 135.4 | 133.8 | 127.6 | 132.8 | - | |
| Tobacco products | | 36.8 27.1 | 40.4 26.8 | 35.7 25.8 | 35.5 25.8 | 36.0 - | 27.3 20.2 | 31.1 19.8 | 25.6 18.2 | 25.1 17.9 | 26 - | |
| Textile mill products | 22 | 593.7 | 594.7 | 564.1 | 556.5 | 556.9 | 501.3 | 502.5 | 476.3 | 470.4 | 470 | |
| Broadwoven fabric mills, cotton | | 69.9 | 70.2 | 64.6 | 63.7 | _ | 62.5 | 62.7 | 57.5 | 56.8 | _ | |
| Broadwoven fabric mills, synthetics | | 61.8 | 60.7 | 60.0 | 58.9 | _ | 52.4 | 51.3 | 51.0 | 50.1 | l – | |
| Broadwoven fabric mills, wool | | 12.8 | 12.4 | 10.2 | 9.8 | _ | 10.3 | 10.3 | 8.7 | 8.2 | _ | |
| Narrow fabric mills | | 20.4 | 21.3 | 21.3 | 20.8 | _ | 16.6 | 17.3 | 17.4 | 16.9 | l – | |
| Knitting mills | | 160.3 | 159.5 | 145.3 | 142.3 | _ | 136.4 | 135.5 | 122.1 | 119.7 | . – | |
| Women's hosiery, except socks | 2251 | 17.2 | 17.1 | 16.2 | 16.0 | _ | 14.9 | 14.8 | 13.6 | 13.9 | l – | |
| Hosiery, nec | 2252 | 37.0 | 37.1 | 35.7 | 35.1 | _ | 32.2 | 32.3 | 31.0 | 30.5 | _ | |
| Knit outerwear mills | | 49.1 | 48.9 | 40.9 | 40.0 | _ | 41.9 | 41.8 | 34.9 | 34.1 | í – | |
| Knit underwear mills | | 11.4 | 11.2 | 9.3 | 9.3 | _ | 10.2 | 10.0 | 8.1 | 8.1 | l – | |
| Weft knit fabric mills | | 24.6 | 24.3 | 22.1 | 21.1 | _ | 20.8 | 20.4 | 18.3 | 17.3 | - | |
| Textile finishing, except wool | | 63.2 | 63.2 | 61.0 | 59.9 | | 51.8 | 51.9 | 50.8 | 50.0 | ĺ | |
| Finishing plants, cotton | | 28.6 | 28.7 | 28.5 | 28.4 | _ | 23.3 | 23.5 | 23.9 | 23.7 | _ | |
| Finishing plants, synthetics | | 19.7 | 20.3 | 18.8 | 18.1 | | 15.9 | 16.5 | 15.3 | 14.8 | - | |
| Carpets and rugs | | 62.9 | 64.4 | 64.5 | 65.7 | (- | 51.6 | 53.2 | 53.3 | 54.7 | - | |
| Yarn and thread mills | | 87.6 | 87.4 | 82.7 | 82.2 | - | 77.3 | 77.1 | 73.3 | 72.9 | l – | |
| Yarn spinning mills | . 2281 | 63.4 | 63.3 | 59.7 | 59.7 | _ | 56.7 | 56.6 | 53.1 | 53.1 | - | |
| Throwing and winding mills | . 2282 | 17.3 | 17.4 | 16.5 | 16.1 | _ | 14.6 | 14.7 | 14.4 | 14.1 | l – | |
| Miscellaneous textile goods | 229 | 54.8 | 55.6 | 54.5 | 53.2 | - | 42.4 | 43.2 | 42.2 | 41.1 | - | |
| Apparel and other textile products | . 23 | 751.5 | 759.3 | 692.6 | 672.6 | 674.2 | 601.8 | 608.8 | 551.3 | 533.1 | 535 | |
| Men's and boys' suits and coats | . 231 | 26.3 | 26.5 | 23.6 | 21.7 | - | 21.3 | 21.4 | 18.6 | 17.2 | - | |
| Men's and boys' furnishings | | 182.9 | 183.7 | 157.9 | 152.3 | - | 154.4 | 154.9 | 131.3 | 125.8 | _ | |
| Men's and boys' shirts | . 2321 | 37.8 | 37.2 | 30.2 | 28.3 | - | 32.8 | 32.2 | 25.7 | 23.8 | - | |
| Men's and boys' trousers and slacks | | 63.2 | 63.8 | 53.3 | 52.2 | _ | 54.9 | 55.3 | 45.3 | 44.1 | _ | |
| Men's and boys' work clothing | 2326 | 28.5 | 28.0 | 25.9 | 25.1 | - | 24.5 | 24.2 | 22.3 | 21.3 | - | |
| Women's and misses' outerwear | 233 | 227.4 | 226.1 | 205.7 | 199.8 | - | 178.7 | 177.1 | 159.5 | 153.0 | _ | |
| Women's and misses' blouses and shirts | . 2331 | 20.4 | 20.7 | 18.1 | 17.5 | - | 15.6 | 15.8 | 13.2 | 12.6 | - | |
| Women's, juniors', and misses' dresses | 2335 | 32.7 | 32.8 | 30.0 | 29.5 | - 1 | 25.3 | 25.6 | 23.2 | 22.8 | _ | |
| | | | | | 4-0 | | | 4=0 | 400 | | l . | |
| Women's and misses' suits and coats | . 2337 | 20.2 | 20.8 | 16.3 | 15.8 | - | 15.7 | 15.8 | 12.0 | 11.5 | _ | |

ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

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

(In thousands)

| Industry | 1987 | | All employees | | | | | Production workers ¹ | | | | |
|--|-------------|---------------|---------------|--------------|---------------------------|---------------------------|--------------|---------------------------------|--------------|---------------------------|-------------|--|
| | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug 1999 | |
| landurable goods—Continued | | | | | | | | | | | | |
| londurable goods—Continued Apparel and other textile products—Continued | | | | | | | | | | | | |
| Women's and children's undergarments | 224 | 30.4 | 30.8 | 28.2 | 27.0 | | 224 | 24.1 | 22.7 | 21.0 | | |
| | | 21.8 | 22.3 | | | _ | 23.4 | 24.1 | 22.7 | 21.8 | - | |
| Women's and children's underwear Brassieres, girdles, and allied garments | | 8.6 | 8.5 | 20.1 8.1 | 18.7 | - | 16.9 | 17.6 | 15.9 | 14.8 | _ | |
| | | 25.7 | | 1 | 8.3 | - | 6.5 | 6.5 | 6.8 | 7.0 | - | |
| Girls' and children's outerwear | | | 25.6 | 21.0 | 20.6 | - | 20.8 | 20.8 | 17.0 | 16.7 | - | |
| Girls' and children's dresses and blouses | | 9.4 | 9.1 | 7.8 | 7.9 | - | 8.1 | 7.8 | 6.8 | 6.9 | - | |
| Misc. apparel and accessories | | 32.2 | 32.1 | 30.7 | 28.8 | - | 25.6 | 25.4 | 24.4 | 22.7 | - | |
| Misc. fabricated textile products | | 210.3 | 217.2 | 209.7 | 207.1 | _ | 164.8 | 171.4 | 165.4 | 163.9 | - | |
| Curtains and draperies | | 18.4 | 19.0 | 17.8 | 17.9 | - | 14.2 | 14.7 | 14.0 | 14.2 | - | |
| House furnishings, nec Automotive and apparel trimmings | | 53.0 57.0 | 54.3 61.9 | 52.9 60.0 | 52.8 59.5 |] | 44.5 43.3 | 45.7 47.9 | 44.6 46.0 | 44.8 45.8 | _ | |
| • | | <u> </u> | | | | | | | | | | |
| Paper and allied products | | 675.6 | 675.0 | 663.5 | 660.8 | 660.8 | 514.4 | 515.0 | 503.3 | 500.5 | 50 | |
| Paper mills | | 156.2 | 155.5 | 150.5 | 150.8 | [- | 122.5 | 122.2 | 117.7 | 117.7 | - | |
| Paperboard mills | | 48.4 | 48.2 | 47.6 | 47.2 | - | 37.2 | 37.1 | 36.6 | 36.2 | - | |
| Paperboard containers and boxes | | 217.9 | 218.8 | 215.1 | 213.8 | _ | 168.8 | 170.0 | 166.8 | 165.6 | - | |
| Corrugated and solid fiber boxes | | 132.4 | 132.3 | 131.1 | 130.8 | - | 98.8 | 98.9 | 98.1 | 97.8 | - | |
| Sanitary food containers | | 17.7 | 17.6 | 17.2 | 17.1 | - | 15.9 | 15.9 | 15.6 | 15.4 | - | |
| Folding paperboard boxes | | 46.3 | 46.9 | 46.1 | 45.2 | - | 37.5 | 38.1 | 37.2 | 36.5 | 1 - | |
| Misc. converted paper products | | 241.1 | 240.6 | 238.4 | 237.5 | - | 176.3 | 176.3 | 172.7 | 171.8 | - | |
| Paper, coated and laminated, nec | | 47.2 | 47.2 | 45.3 | 44.9 | - | 24.2 | 24.0 | 21.6 | 21.4 | - | |
| Bags: plastics, laminated, and coated | | 39.1 | 38.9 | 38.0 | 37.8 | - | 30.6 | 30.6 | 29.6 | 29.3 | - | |
| Envelopes | 20// | 23.7 | 23.6 | 24.3 | 24.1 | - | 18.2 | 18.2 | 18.6 | 18.5 | _ | |
| Printing and publishing | 27 | 1,568.2 | 1,565.9 | 1,554.4 | 1,553.8 | 1,552.0 | 845.4 | 844.2 | 827.8 | 826.2 | 82 | |
| Newspapers | | 442.5 | 442.1 | 443.2 | 443.5 | - | 146.0 | 146.6 | 146.8 | 146.8 | - | |
| Periodicals | | 139.8 | 139.4 | 140.6 | 141.6 | - | 44.7 | 44.4 | 42.9 | 43.0 | - | |
| Books | 1 | 128.2 | 127.8 | 122.0 | 121.5 | - : | 63.6 | 63.2 | 56.0 | 55.7 | - | |
| Book publishing | | 88.1 | 88.0 | 85.3 | 85.3 | _ | 31.9 | 31.8 | 27.2 | 27.1 | - | |
| Book printing | | 40.1 | 39.8 | 36.7 | 36.2 | . – | 31.7 | 31.4 | 28.8 | 28.6 | - | |
| Miscellaneous publishing | | 91.4 | 91.3 | 91.7 | 91.4 | i - | 43.5 | 43.2 | 44.5 | 44.6 | - | |
| Commercial printing | | 581.1 | 580.9 | 578.7 | 577.6 | - | 413.6 | 413.9 | 410.7 | 409.1 | _ | |
| Commercial printing, lithographic | | 377.5 | 377.7 | 375.8 | 374.9 | ~ | 268.4 | 269.3 | 267.2 | 266.2 | _ | |
| Commercial printing, nec | | 183.7 | 183.3 | 183.0 | 183.1 | - | 129.8 | 129.1 | 127.9 | 127.6 | - | |
| Manifold business forms | | 41.1 | 41.2 | 39.5 | 39.2 | - 1 | 28.5 | 28.5 | 26.3 | 26.3 | - | |
| Blankbooks and bookbinding | | 64.6 | 64.1 | 61.4 | 61.7 | - | 49.5 | 48.6 | 46.7 | 47.3 | - | |
| Printing trade services | . 279 | 50.3 | 50.3 | 49.0 | 48.7 | _ | 33.9 | 33.7 | 32.6 | 32.3 | _ | |
| Chemicals and allied products | | 1,050.2 | 1,049.5 | 1,039.6 | 1,036.7 | 1,037.7 | 588.3 | 588.3 | 583.2 | 581.7 | 58 | |
| Industrial inorganic chemicals | | 116.9 | 116.3 | 111.5 | 111.3 | _ | 63.0 | 63.3 | 58.6 | 59.5 | - | |
| Industrial inorganic chemicals, nec | | 70.3 | 69.9 | 67.5 | 67.4 | - | 36.3 | 36.3 | 36.3 | 36.3 | - | |
| Plastics materials and synthetics | | 157.6 | 157.7 | 152.1 | 150.4 | - | 103.7 | 103.3 | 100.1 | 98.5 | - | |
| Plastics materials and resins | | 79.7 | 80.1 | 78.5 | 78.4 | - | 48.9 | 48.4 | 47.3 | 47.0 | - | |
| Organic fibers, noncellulosic | | 43.4 | 43.5 | 40.6 | 39.7 | - | 34.1 | 34.2 | 32.1 | 31.2 | - | |
| Drugs | | 281.8 | 282.6 | 290.8 | 291.1 | | 127.7 | 127.4 | 133.0 | 132.9 | _ | |
| Pharmaceutical preparations | 2834 | 221.6 | 222.3 | 228.4 | 228.7 | _ | 102.4 | 102.2 | 107.5 | 107.2 | _ | |
| Soap, cleaners, and toilet goods | 284 | 156.7 | 155.9 | 152.0 | 152.6 | - | 97.8 | 97.8 | 97.8 | 98.5 | - | |
| Soap and other detergents | | 39.5 | 38.9 | 39.5 | 39.8 | _ | 21.4 | 21.4 | 26.9 | 27.3 | _ | |
| Polishing, sanitation, and finishing preparations | | 40.5 | 40.8 | 40.2 | 39.9 | _ | 23.2 | 23.4 | 22.5 | 22.4 | _ | |
| Toilet preparations | | 76.7 | 76.2 | 72.3 | 72.9 | - | 53.2 | 53.0 | 48.4 | 48.8 | _ | |
| Paints and allied products | 285 | 53.2 | 52.8 | 53.2 | 54.0 | - | 28.0 | 27.9 | 27.8 | 28.1 | - | |
| Industrial organic chemicals | | 138.5 | 138.2 | 135.7 | 134.2 | - | 80.4 | 80.2 | 78.0 | 77.1 | _ | |
| Cyclic crudes and intermediates | | 22.7 | 22.7 | 21.2 | 20.9 | \ - 1 | 13.7 | 13.7 | 12.4 | 12.2 | _ | |
| Industrial organic chemicals, nec | 2869 | 113.5 | 113.2 | 112.1 | 110.9 | - | 65.0 | 64.8 | 63.9 | 63.2 | - | |
| Agricultural chemicals | | 51.8 93.7 | 51.7 94.3 | 52.3 92.0 | 51.5 91.6 | - | 31.1 56.6 | 31.0 57.4 | 31.5 56.4 | 31.1 56.0 | _ | |
| · | ! | | | | | | į | | | | | |
| Petroleum and coal products | . 29 | 143.4 96.6 | 143.0 | 139.8 | 141.1 | 140.5 | 95.3 | 95.3 | 92.1 | 93.7 59.5 | 9 | |
| Petroleum refining | | 32.3 | 96.0 32.5 | 91.9 32.9 | 92.7 33.4 | - | 62.9 24.5 | 62.7 24.7 | 58.5 25.4 | 59.5 26.0 | _ | |
| | 1 | 995.8 | 1,009.8 | 1,024.3 | 1,011.6 | 1,021.3 | 768.2 | 782.1 | 792.3 | 781.3 | 79 | |
| Rubber and misc. plastics products | | 81.0 | 80.6 | 77.0 | 76.3 | 1,021.3 | 59.6 | 60.0 | 55.6 | 55.7 | /9 | |
| Tires and inner tubes | | ſ | | 77.0 5.4 | | _ | 3.7 | 4.7 | 4.0 | 3.1 | | |
| Rubber and plastics footwear | | 5.4 | 6.4 70.8 | | 4.5 70.7 | _ | 53.6 | 4.7 54.3 | 54.8 | 54.4 | _ | |
| Hose, belting, gaskets, and packing | | 70.3 | 29.3 | 71.0 30.0 | 70.7 29.5 | | 22.5 | 22.9 | 23.8 | 23.2 | _ | |
| Rubber and plastics hose and belting | | 29.0 | 112.2 | | 110.2 | _ | 83.2 | 85.8 | 23.6 85.5 | 23.2 84.4 | - | |
| Fabricated rubber products, nec | | 109.6 | | 112.0 | | _ | | | | | - | |
| IVIISCENATIENTS DIASTICS DIOCULCIS TIEC | . 1 300 | 729.5 | 739.8 | 758.9 | 749.9 | - | 568.1 | 577.3 | 592.4 | 583.7 | | |

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

(in thousands)

| | 1987 | <u> </u> | Al | l employe | es | | | Prod | uction wor | kers ¹ | |
|--|--------------------|----------------|----------------|----------------|---------------------------|---------------------------|----------------|----------------|----------------|---------------------------|--------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 |
| Nondurable goods—Continued | | | | | | | | | | | |
| Leather and leather products | 31 | 79.9 | 81.5 | 75.1 | 69.5 | 71.7 | 59.6 | 61.3 | 55.7 | 50.9 | 53. |
| Leather tanning and finishing | 311 | 11.8 | 11.8 | 10.8 | 9.6 | - | 9.6 | 9.6 | 8.8 | 7.7 | - |
| Footwear, except rubber | 314 | 34.5 | 35.4 19.7 | 32.0 18.0 | 29.3 17.7 | - | 27.4 14.8 | 28.3 15.2 | 25.4 13.6 | 22.9 13.4 | _ |
| Men's footwear, except athletic Women's footwear, except athletic | 3143 | 19.2 8.5 | 8.8 | 7.5 | 7.0 | _ | 6.6 | 7.0 | 6.1 | 5.8 | |
| Luggage | 316 | 8.5 | 9.2 | 8.1 | 7.8 | _ | 5.6 | 6.3 | 6.1 | 5.9 | - |
| Handbags and personal leather goods | 317 | 8.7 | 8.7 | 8.5 | 7.4 | - | 5.0 | 5.1 | 4.3 | 3.6 | - |
| ransportation and public utilities | | 6,592 | 6,610 | 6,816 | 6,782 | 6,795 | 5,464 | 5,485 | 5,653 | 5,619 | 5,63 |
| Transportation | | 4,253 | 4,278 | 4,445 | 4,409 | 4,419 | - | - | _ | - | _ |
| Railroad transportation | 40 | 232.9 | 232.9 | 234.1 | 231.7 | 231.9 | _ | - | - | - | - |
| Class I railroads plus Amtrak ² | 4011 | 207.0 | 207.0 | 206.8 | 204.7 | _ | _ | - | _ | _ | - |
| Local and interurban passenger transit | 41 | 407.8 | 409.6 | 482.0 | 421.0 | 416.5 | 367.3 | 369.3 | 440.8 | 381.0 | - |
| Local and suburban transportation | 411 | 236.2 | 236.2 | 244.9 31.1 | 244.5 30.9 | _ | 213.6 | 214.0 | 221.9 | 221.8 | - |
| TaxicabsIntercity and rural bus transportation | 412 | 31.1 25.9 | 30.8 25.7 | 27.6 | 27.6 | _ | 23.3 | 22.8 | 24.5 | 24.5 | _ |
| School buses | | 79.3 | 82.1 | 142.8 | 83.7 | _ | _ | _ | | - | - |
| Trucking and warehousing | 42 | 1,771.2 | 1,786.6 | 1,827.3 | 1,840.9 | 1,850.6 | 1,554.0 | 1,569.9 | 1,604.1 | 1,617.8 | - |
| Trucking and courier services, except air | 421 | 1,601.2 | 1,613.8 | 1,647.6 | 1,662.7 | - | 1,412.5 | 1,425.4 | 1,454.3 | 1,469.3 | - |
| Public warehousing and storage | 422 | 164.6 | 167.5 | 174.0 | 172.7 | _ | 136.7 | 139.8 | 144.6 | 143.5 | - |
| Water transportation | 44 | 191.1 | 192.0 | 187.9 | 192.9 | 194.1 | - | - | - | _ | - |
| Water transportation of freight, nec | | 14.6 | 15.0 | 14.8 | 15.0 | [- | 114.4 | 1144 | 108.4 | 112.9 | _ |
| Water transportation services | 1 | 129.0 | 129.0 | 124.8 | 129.4 | _ | 114.4 | 114.4 | 100.4 | 112.9 | _ |
| Transportation by air | 45 | 1,181.1 | 1,186.2 | 1,230.4 | 1,238.4 | 1,239.3 | - , | - | - | - | ł – |
| Air transportation, scheduled | 451 | 1,002.8 | 1,007.5 | 1,042.1 | 1,049.0 | - | - ' | - | - | - | _ |
| Air transportation, scheduled | | 537.5 | 539.9 | 556.3 | 560.9 | - | } - | - | - | _ | - |
| Airports, flying fields, and services | | 130 | 131 | 137 | 139 | _ | _ | _ | _ | _ | _ |
| Pipelines, except natural gas | 46 | 14.3 | 14.1 | 13.3 | 13.4 | 13.3 | 11.6 | 11.5 | 11.2 | 11.1 | - |
| Transportation services | 47 | 454.5 | 456.7 | 470.0 | 471.1 | 473.4 | 371.1 | 373.8 | 385.5 | 385.9 | - |
| Passenger transportation arrangement | 472 | 220.2 | 220.5 | 223.8 | 224.1 |] - | 185.2 | 185.8 | 188.0 | 188.0 | - |
| Travel agencies | 4724 | 173.2 | 173.3 | 175.2 | 175.2 | - | 146.0 | 146.2 | 147.0 | 147.2 | _ |
| Freight transportation arrangement | 473 | 181.8 | 183.1 | 194.3 | 195.8 | _ | 142.3 | 143.9 | 154.9 | 156.0 | - |
| Communications and public utilities | | 2,339 | 2,332 | 2,371 | 2,373 | 2,376 | _ | - | - | - | - |
| Communications | 48 | 1,477.0 | 1,473.0 | 1,519.2 | 1,523.4 | 1,530.1 | 1,074.8 | 1,076.1 | 1,095.0 | 1,099.2 | - |
| Telephone communications | 481 | 1,011.7 | 1,005.1 | 1,045.8 | 1,049.7 | - | 708.3 | 707.3 | 724.7 | 727.4 | - |
| Telephone communications, except radio | 4813 | 853.3 | 846.8 | 886.0 | 889.3 | \ - | 590.5 | 588.2 | 600.8 | 603.9 | - |
| Radio and television broadcasting | | 246.5 115.1 | 247.6 115.5 | 247.0 116.0 | 246.5 115.8 | - | 202.4 | 202.8 | 201.4 | 201.1 | - |
| Radio broadcasting stations Television broadcasting stations | | 131.4 | 132.1 | 131.0 | 130.7 | _ | _ | _ | | _ | _ |
| Cable and other pay television services | | 183.1 | 184.2 | 188.9 | 189.3 | _ | 149.9 | 150.6 | 153.7 | 154.1 | - |
| Electric, gas, and sanitary services | 49 | 862.4 | 858.8 | 851.6 | 849.2 | 846.2 | 692.4 | 689.9 | 685.3 | 682.9 | - |
| Electric services | . 491 | 368.4 | 366.4 | 365.5 | 363.9 | - | 298.5 | 297.1 | 295.2 | 293.0 | - |
| Gas production and distribution | . 492 | 138.5 | 137.2 | 133.0 | 132.5 | - | 107.7 | 106.6 | 105.0 | 104.6 | - |
| Combination utility services | . 493 . 495 | 158.1 163.5 | 157.6 163.9 | 153.9 164.6 | 152.2 165.8 | _ | 124.1 135.1 | 124.1 135.2 | 121.5 136.3 | 120.5 137.3 | - |
| Wholesale trade | | 6,885 | 6,877 | 7,036 | 7,061 | 7,062 | 5,529 | 5,521 | 5,651 | 5,668 | 5,65 |
| Durable goods | 50 | 4,074 | 4,070 | 4,165 | 4,183 | 4,184 | 3,217 | 3,214 | 3,297 | 3,309 | _ |
| Motor vehicles, parts, and supplies | 501 | 523.1 | 520.3 | 536.8 | 539.3 | | 416.3 | 413.8 | 421.2 | 425.2 | - |
| Automobiles and other motor vehicles | 5012 | 151.7 | 150.4 | 160.1 | 160.5 | _ | - | - | - | _ | - |
| Motor vehicle supplies and new parts | | 292.5 | 290.9 | 296.1 | 298.0 | _ | | - | - | - | - |
| Furniture and home furnishings | | 165.2 | 166.7 | 169.3 | 170.6 | _ | 131.4 | 132.7 | 133.8 | 134.9 | - |
| Furniture | | 80.1 | 80.8 | 82.0 | 82.8 | _ | _ | <u>-</u> | | _ | - |
| Home furnishings | 5023 | 85.1 | 85.9 | 87.3 | 87.8 | I - | _ | _ | | _ | ı - |

ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

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

(In thousands)

| | 1987 | | Al | employee | es | | | Produ | uction work | cers ¹ | |
|---|-------------|--------------------|----------------|----------------|---------------------------|---------------------------|---------------|---------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Wholesale trade—Continued | | | | | | | | | | | |
| Durable goods—Continued | | 200.0 | 000.0 | | 000.0 | | 000.0 | 000.0 | 000 7 | 005.7 | |
| Lumber and other construction materials | | 268.2 | 268.3 | 279.7 | 282.8 | - | 223.3 | 223.2 | 232.7 | 235.7 | _ |
| Lumber, plywood, and millwork Construction materials, nec | 5031 | 134.4 40.6 | 134.6 40.2 | 140.6 42.8 | 141.8 43.3 | _ | _ | _ | _ | _ | |
| Professional and commercial equipment | 504 | 923.1 | 925.8 | 983.9 | 990.0 | _ | 718.4 | 723.1 | 787.4 | 791.0 | _ |
| Office equipment | | 201.7 | 201.2 | 211.6 | 211.5 | _ | | _ | _ | _ | _ |
| Computers, peripherals and software | | 387.9 | 390.7 | 418.7 | 421.1 | - [| - | - | - | - | _ |
| Medical and hospital equipment | | 190.0 | 189.8 | 203.9 | 205.7 | - | 153.1 | 153.1 | 165.5 | 166.6 | - |
| Metals and minerals, except petroleum | 505 | 152.7 | 153.4 | 154.6 | 155.0 | - | 123.2 | 123.9 | 123.9 | 124.0 | - |
| Electrical goods | | 550.1 | 548.9 | 551.7 | 555.2 | - | 401.2 | 399.8 | 397.5 | 398.4 | _ |
| Electrical apparatus and equipment | | 231.6 | 230.7 | 236.2 | 238.1 | _ | _ | _ | _ | _ | _ |
| Electrical appliances, television and radio sets | | 47.7 270.8 | 48.2 270.0 | 49.6 265.9 | 50.8 266.3 | _ | _ | | _ | | _ |
| Electronic parts and equipment Hardware, plumbing, and heating equipment | | 307.3 | 308.7 | 309.5 | 310.4 | - | 251.7 | 252.1 | 254.1 | 254.4 | _ |
| Hardware | 5072 | 112.2 | 112.8 | 111.1 | 111.2 | | | _ | - | _ | _ |
| Plumbing and hydronic heating supplies | 5074 | 119.5 | 119.9 | 122.0 | 122.7 | - | - | _ | - | - | |
| Machinery, equipment, and supplies | 508 | 845.8 | 842.5 | 844.3 | 846.8 | _ | 676.2 | 673.6 | 673.8 | 675.7 | _ |
| Construction and mining machinery | 5082 | 92.4 | 92.1 | 95.0 | 95.3 | - ' | - | - | - | - | _ |
| Farm and garden machinery | 5083 | 125.3 | 124.5 | 125.8 | 125.7 | - | - [| - | - | - | _ |
| Industrial machinery and equipment | | 337.7 | 336.9 | 333.3 | 333.5 | - | - | - | - | - | _ |
| Industrial supplies | | 159.2 | 159.2 | 157.3 | 158.5 | - | 274 0 | 271.3 | _ 272.9 | 269.2 | _ |
| Misc. wholesale trade durable goods Scrap and waste materials | 509 5093 | 338.4 124.0 | 335.2 123.9 | 335.6 119.2 | 333.2 119.6 | _ | 274.8 - | - | - | - | _ |
| Nondurable goods | 51 | 2,811 | 2,807 | 2,871 | 2,878 | 2,878 | 2,312 | 2,307 | 2,354 | 2,359 | _ |
| Paper and paper products | 511 | 279.4 | 280.0 | 291.9 | 291.9 | - | 234.6 | 234.4 | 242.4 | 242.4 | _ |
| Stationery and office supplies | | 164.2 | 164.7 | 170.7 | 170.3 | - | | _ | - | - 1 | _ |
| Drugs, proprietaries, and sundries | | 240.2 | 240.3 | 257.4 | 257.5 | - | 201.6 | 201.3 | 212.9 | 212.4 | _ |
| Apparel, piece goods, and notions | | 226.2 | 228.8 | 226.9 | 227.5 | - | 185.1 | 187.8 | 186.0 | 186.8 | _ |
| Groceries and related products | | 926.8 288.2 | 923.7 288.0 | 936.7 286.8 | 943.4 287.3 | _ | 779.2 | 776.8 | 786.8 | 792.7 | _ |
| Groceries, general line | | 56.0 | 55.9 | 57.1 | 57.3 | _ | _ | _ | _ | _ | _ |
| Fresh fruits and vegetables | 5148 | 110.3 | 105.8 | 104.8 | 106.4 | _ | _ | _ | _ | _ | _ |
| Farm-product raw materials | 515 | 106.6 | 109.7 | 108.0 | 107.8 | - | 86.5 | 89.1 | 87.3 | 87.2 | _ |
| Chemicals and allied products | | 156.7 | 156.4 | 162.5 | 162.5 | - 1 | 114.5 | 114.2 | 117.6 | 117.7 | - |
| Petroleum and petroleum products | | 156.5 | 156.3 | 153.7 | 153.6 | - | 129.4 | 129.0 | 126.5 | 126.4 | - |
| Petroleum bulk stations and terminals | | 64.4 | 64.3 | 63.0 | 63.0 | _ | - | _ | - | - | - |
| Petroleum products, nec | | 92.1 | 92.0 | 90.7 | 90.6 | _ | 100.0 | 100 2 | 122.1 | 124.2 | _ |
| Beer, wine, and distilled beverages | | 158.0 | 157.4 100.6 | 164.5 104.3 | 165.7 105.8 | _ | 128.8 | 128.3 | 133.1 | 134.2 | |
| Beer and ale Wine and distilled beverages | | 56.9 | 56.8 | 60.2 | 59.9 | - | _ | _ | _ | _ | _ |
| Misc. wholesale trade nondurable goods | | 560.6 | 554.7 | 569.7 | 568.0 | _ | 451.9 | 446.4 | 461.6 | 459.3 | - |
| Farm supplies | | 169.5 | 165.3 | 174.2 | 171.1 | - | - | - | - | - | _ |
| Retail trade | | 22,457 | 22,507 | 22,992 | 23,035 | 23,045 | 19,750 | 19,782 | 20,244 | 20,287 | 20,290 |
| Building materials and garden supplies | 52 | 983.2 | 970.5 | 1,032.7 | 1,023.6 | 1,010.9 | 825.0 | 809.9 | 865.9 | 856.4 | _ |
| Lumber and other building materials | 521 | 596.1 | 589.7 | 623.5 | 623.7 | - | 507.5 | 499.7 | 530.9 | 532.1 | - |
| Paint, glass, and wallpaper stores | 523 | 65.2 | 160.6 | 67.5 | 68.6 | \ <u>-</u> ' | 51.0 | 51.6 139.6 | 50.1 143.5 | 50.5 142.6 | _ |
| Hardware storesRetail nurseries and garden stores | 526 | 169.8 106.3 | 169.2 99.2 | 172.5 121.1 | 171.9 111.7 | _ | 140.5 89.6 | 82.8 | 104.6 | 94.7 | _ |
| Consult or analysis at a sec | 50 | 26712 | 2,684.7 | 2,718.6 | 2,722.7 | 2.737.0 | 2,480.4 | 2,494.3 | 2,537.0 | 2,546.6 | |
| General merchandise stores | 531 | 2,671.3 2,375.3 | 2,386.3 | | 2,426.1 | 2,737.0 | 2,460.4 | 2,239.2 | 2,283.7 | 2,289.7 | - |
| Variety stores | | 118.1 | 118.4 | 115.5 | 116.8 | | 100.2 | 100.6 | 98.8 | 100.5 | _ |
| Miscellaneous general merchandise stores | | 177.9 | 180.0 | 178.3 | 179.8 | - | 152.2 | 154.5 | 154.5 | 156.4 | _ |
| Food stores | 54 | 3,508.1 | 3,497.8 | 3,497.4 | 3,500.3 | 3,501.2 | 3,182.7 | 3,171.0 | 3,165.7 | 3,171.5 | - |
| Grocery stores | 541 | 3,089.4 | 3,078.3 | | 3,071.6 | - | 2,824.2 | 2,811.9 | 2,797.0 | 2,803.7 | - |
| Meat and fish markets | 542 | 46.8 | 47.2 | 48.3 | 48.7 | j - | - | - | - | - | _ |
| Dairy products stores | | 14.5 205.6 | 14.5 205.6 | 14.5 209.1 | 14.8 205.7 | | 178.0 | 178.3 | 181.3 | 179.2 | - |
| | 1 | 1 | | l | l | l | | l | l | | |
| Automotive dealers and service stations | 55 | 2,374.1 | 2,372.2 | 2,425.5 | 2,439.9 | 2,444.2 | 1,972.6 | 1,973.2 | 2,020.2 909.8 | 2,034.1 915.3 | - |

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

(In thousands)

| Industry | SIC | l | I | i | 1 | ı | | | | | |
|--|---------------|----------------|----------------|----------------|---------------------------|---------------|---------------|---------------|---------------|---------------|--------------|
| | Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999P | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 |
| Retail trade—Continued | | | | | | | | | | | |
| Automotive dealers and service stations—Continued | | | | | | | | | | | ŀ |
| Auto and home supply stores | 553 | 403.7 | 404.6 | 407.1 | 410.6 | - | 307.1 | 306.4 | 316.0 | 318.8 | - |
| Gasoline service stations | 554 | 703.6 | 702.6 | 708.6 | 714.3 | - | 609.2 | 611.1 | 612.1 | 618.7 | - |
| Automotive dealers, nec | 559 | 9.8 | 9.8 | 10.3 | 10.4 | - | 8.0 | 8.1 | 8.6 | 8.7 | - |
| Apparel and accessory stores | 56 | 1,141.4 | 1,152.0 | 1,167.0 | 1,180.0 | 1,184.7 | 956.5 | 965.1 | 979.1 | 990.5 | - |
| Men's and boys' clothing stores | 561 | 81.4 | 81.8 | 79.4 | 77.8 | - | 66.2 | 66.5 | 64.2 | 62.5 | - |
| Women's clothing stores | 562 | 270.0 | 266.1 | 274.3 | 273.1 | - | 224.2 | 219.9 | 228.1 | 226.9 | - |
| Family clothing stores | 565 | 381.2 | 384.4 | 395.3 | 411.3 | _ | 341.0 | 344.7 | 350.1 | 363.7 | - |
| Shoe stores | 566 | 216.7 | 225.1 | 220.7 | 218.8 | _ | 171.3 | 178.2 | 176.2 | 175.3 | i – |
| Furniture and home furnishings stores | 57 | 1,017.5 | 1,020.9 | 1,078.6 | 1,079.4 | 1,086.2 | 836.4 | 839.5 | 889.6 | 891.7 | - |
| Furniture and home furnishings stores | 571 | 522.7 | 525.0 | 546.3 | 546.4 | - | 425.7 | 426.8 | 445.6 | 448.6 | i – |
| Furniture stores | | 306.2 | 306.5 | 321.0 | 319.8 | - | | | | - | - |
| Household appliance stores | | 67.4 | 66.6 | 67.9 | 68.6 | _ | 54.3 | 53.7 | 55.0 | 55.6 | - |
| Radio, television, and computer stores | | 427.4 | 429.3 | 464.4 | 464.4 | _ | 356.4 | 359.0 | 389.0 | 387.5 | _ |
| Radio, television, and electronic stores | 5/3] 5735 | 183.7 78.9 | 184.7 79.6 | 198.0 91.3 | 198.9 90.8 | _ | 153.1 66.9 | 154.2 67.6 | 165.2 76.7 | 164.9 76.4 | I - |
| Record and prerecorded tape stores | 5/35 | 78.9 | /9.6 | 91.3 | 90.6 | _ | 00.9 | 67.0 | 70.7 | 70.4 | _ |
| Eating and drinking places | 58 | 7,938.4 | 7,969.6 | 8,148.0 | 8,161.5 | 8,142.1 | 7,146.8 | 7,167.4 | 7,335.5 | 7,343.9 | - |
| Miscellaneous retail establishments | 59 | 2,823.0 | 2,839.2 | 2,924.5 | 2,927.3 | 2,938.6 | 2,349.1 | 2,361.5 | 2,450.9 | 2,452.3 | - |
| Drug stores and proprietary stores | 591 | 641.6 | 644.0 | 674.0 | 673.7 | - | 537.9 | 537.7 | 576.4 | 575.8 | - |
| Liquor stores | 592 | 111.4 | 111.5 | 111.2 | 112.2 | - | | | 405.5 | 100.4 | _ |
| Used merchandise stores | 593 | 120.4 | 119.3 | 126.3 | 127.4 | - | 100.7 | 99.4 | 105.5 | 106.4 | _ |
| Miscellaneous shopping goods stores | 594 | 982.7 | 994.4 | 1,017.3 | 1,022.3 | - | 817.5 | 828.6 | 851.5 | 856.6 | _ |
| Sporting goods and bicycle shops | 5941 | 187.3 | 188.4 | 193.5 | 195.8 | _ | _ | _ | _ | _ | _ |
| Book stores | 5942 | 123.2 94.3 | 130.7 95.8 | 127.6 95.4 | 127.5 96.3 | _ | _ | _ | | _ | I - |
| Stationery stores | 5044 | 140.9 | 140.9 | 147.1 | 146.4 | _ | _ | _ |] | _ | _ |
| Gift, novelty, and souvenir shops | 5947 | 240.2 | 240.6 | 242.8 | 246.1 | _ | _ | _ | | _ | _ |
| Sewing, needlework, and piece goods | 5949 | 46.7 | 46.7 | 46.1 | 45.4 | _ | _ | _ | | _ | _ |
| Nonstore retailers | 596 | 331.4 | 336.0 | 329.8 | 329.7 | _ | 279.0 | 283.4 | 278.6 | 278.7 | - |
| Catalog and mail-order houses | 5961 | 212.2 | 217.7 | 211.8 | 212.4 | | _ | | _ | _ | _ |
| Merchandising machine operators | 5962 | 66.4 | 66.1 | 67.2 | 66.8 | _ | _ | _ | - 1 | - | - |
| Fuel dealers | | 92.5 | 92.9 | 94.9 | 94.4 | - | 76.3 | 76.4 | 77.2 | 76.6 | - |
| Retail stores, nec | | 543.0 | 541.1 | 571.0 | 567.6 | | 447.5 | 445.5 | 471.5 | 467.5 | - |
| Florists, tobacco stores, and newsstands | 5992,3,4 | 148.5 | 147.1 | 159.0 | 154.9 | - | | | | | - |
| Optical goods stores | 5995 5999 | 70.8 323.7 | 71.0 323.0 | 72.7 339.3 | 72.9 339.8 | _ | 57.0 265.0 | 56.8 264.5 | 56.6 279.4 | 57.1 279.4 | _ |
| Finance, insurance, and real estate ³ | | 7,526 | 7,526 | 7,707 | 7,745 | 7,738 | 5,558 | 5,550 | 5,661 | 5,695 | 5,679 |
| · |) |) | | , | | | | 0,000 | 0,001 | 0,000 | , ,,,,, |
| Finance | | 3,633 | 3,635 | 3,728 | 3,743 | 3,740 | - | _ | _ | _ | _ |
| Depository institutions | | 2,059.8 | 2,054.9 | 2,057.4 | 2,059.4 | 2,054.9 | 1,487.3 | 1,481.7 | 1,482.7 | 1,487.0 | - |
| Commercial banks | 602 | 1,480.3 | 1,476.2 | 1,472.6 | 1,473.4 | 1,469.5 | 1,054.1 | 1,050.1 | 1,045.7 | 1,048.0 | - |
| State commercial banks | 6022 | 584.7 | 584.4 | 600.1 | 601.6 | - | 421.2 | 420.2 | 433.3 | 435.0 | i - |
| National and commercial banks, nec | | 895.6 | 891.8 | 872.5 | 871.8 258.2 | 257.0 | 632.9 | 629.9 | 612.4 | 613.0 | - |
| Savings institutions Federal savings institutions | 6035 | 260.7 153.2 | 259.2 151.9 | 257.9 150.0 | 150.3 | 257.0 | | _ | _ | | _ |
| Savings institutions, except federal | 6036 | 107.5 | 107.3 | 107.9 | 107.9 | | _ | | _ | l _ | |
| Credit unions | 606 | 180.2 | 180.5 | 186.6 | 186.7 | - | 143.7 | 143.8 | 148.5 | 148.7 | - |
| Nondepository institutions | 61 | 665.5 | 670.9 | 723.4 | 724.3 | 724.0 | 459.8 | 461.8 | 490.4 | 491.3 | _ |
| Personal credit institutions | 614 | 185.7 | 185.0 | 192.9 | 195.3 | - | 108.3 | 106.9 | 104.0 | 106.8 | - |
| Business credit institutions | | 123.9 | 123.8 | 131.6 | 132.5 | - | - | _ | | - | - |
| Mortgage bankers and brokers | | 333.0 | 339.2 | 375.2 | 372.5 | 370.7 | - | - | - | - | - |
| Security and commodity brokers | 62 | 656.6 | 658.1 | 678.9 | 689.5 | 691.5 | _ | - | _ | _ | _ |
| Security brokers and dealers | | 491.0 | 491.7 | 505.8 | 513.7 | - | - | - | _ | - | i – |
| Commodity contracts brokers, dealers, and | | 1 | | | | | | | | | ĺ |
| exhanges | 622,3 | 27.0 | 26.8 | 25.7 | 25.9 | - | | - | - | - | - |
| Security and commodity services | 628 | 138.6 | 139.6 | 147.4 | 149.9 | _ | 94.0 | 94.4 | 99.8 | 101.8 | - |
| | | | | | | | | | | | |

ESTABLISHMENT DATA EMPLOYMENT NOT SEASONALLY ADJUSTED

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

(In thousands)

| | 1987 | | Al | l employe | es | | | Produ | uction wor | kers ¹ | |
|--|-------------|------------------|----------------|----------------|----------------|---------------------------|----------------|------------------|------------------|-------------------|---------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P |
| Finance, insurance, and real estate—Continued | 63.64 | 2,362 | 2,364 | 2,411 | 2,417 | 2,415 | _ | _ | _ | _ | _ |
| Insurance | | 2,502 | 2,504 | 2,711 | 2,417 | 2,415 | | | | | |
| Insurance carriers | | 1,612.7 | 1,613.6 | 1,643.5 | 1,644.9 | 1,641.1 | 1,224.4 | 1,227.0 | 1,259.9 | 1,262.0 | _ |
| Life insurance Medical service and health insurance | | 535.8 358.7 | 536.5 358.5 | 546.3 369.1 | 546.8 369.7 | _ | 359.4 289.2 | 360.7 288.9 | 369.4 295.7 | 369.6 297.1 | _ |
| Hospital and medical service plans | | 291.7 | 291.3 | 301.1 | 301.1 | _ | 239.2 | 238.9 | 244.4 | 244.9 | _ |
| Fire, marine, and casualty insurance | | 554.7 | 553.3 | 555.5 | 556.8 | _ | 443.6 | 443.1 | 451.7 | 453.2 | _ |
| Title insurance | | 87.4 | 88.5 | 94.3 | 92.8 | - | - | - | - | - | - |
| Insurance agents, brokers, and service | 64 | 749.2 | 749.9 | 767.0 | 772.2 | 773.5 | - | _ | _ | - | - |
| Real estate | 65 | 1,531 | 1,527 | 1,568 | 1,585 | 1,583 | _ | _ | - : | _ | _ |
| Real estate operators and lessors | 651 | 598.9 | 596.3 | 595.5 | 598.4 | | - | - | _ " | - 1 | _ |
| Real estate agents and managers | 653 | 762.9 | 761.9 | 790.5 | 807.4 | - | - | - | - | - | _ |
| Subdividers and developers | 655 | 130.6 | 129.5 | 140.5 | 138.3 | - | - | - | - | - | - |
| Services | | 38,006 | 37,958 | 39,334 | 39,483 | 39,450 | 33,239 | 33,170 | 34,254 | 34,371 | 34,31 |
| Agricultural services | 07 | 780.2 | 775.1 | 841.3 | 838.6 | 825.0 | 668.1 | 662.2 | 719.3 | 715.6 | _ |
| Veterinary services | 074 | 198.1 | 197.8 | 206.6 | 206.0 | - | 167.7 | 167.4 | 175.0 | 174.8 | |
| Landscape and horticultural services | 078 | 526.4 | 521.2 | 580.0 | 578.5 | - | 453.9 | 448.3 | 499.0 | 495.9 | - |
| Hotels and other lodging places | 70 | 1,926.0 | 1,920.2 | 1,898.3 | 1,953.8 | 1,948.7 | _ | _ | _ | _ | _ |
| Hotels and motels | 701 | 1,833.4 | 1,829.2 | 1,813.1 | 1,850.0 | - | 1,618.1 | 1,613.8 | 1,596.3 | 1,631.8 | - |
| Personal services | | 1,154.1 | 1,154.7 | 1,172.6 | 1,163.5 | 1,162.8 | - | - | | - | _ |
| Laundry, cleaning, and garment services | | 437.2 | 434.9 | 435.7 | 435.6 | - | 385.8 | 383.3 | 383.7 | 383.1 | _ |
| Photographic studios, portrait | 722 | 58.3 | 57.3 | 50.3 | 47.3 | _ | 261.0 | 2644 | 267.0 | 260 5 | _ |
| Beauty shops | 723 | 408.7 100.9 | 412.7 100.0 | 418.0 101.2 | 418.3 100.4 | _ | 361.2 | 364.1 | 367.8 | 368.5 | _ |
| Funeral service and crematories | | 134.3 | 135.3 | 153.7 | 148.2 | - | 111.4 | 112.3 | 127.6 | 122.7 | _ |
| Policina | 73 | 0.641.0 | 8,751.1 | 9,137.5 | 9,182.1 | 9,292.9 | 7,668.9 | 7,768.0 | 8.066.8 | 8,101.2 | _ |
| Business services | | 8,641.3 271.6 | 272.0 | 280.7 | 283.2 | 3,232.3 | 195.0 | 195.3 | 199.2 | 200.4 | _ |
| Advertising agencies | 7311 | 179.3 | 178.7 | 184.6 | 186.3 | _ | - | - | - | _ | _ |
| Credit reporting and collection | 732 | 144.8 | 144.0 | 149.8 | 150.7 | - | - | - | - | - | _ |
| Mailing, reproduction, and stenographic services | | 314.4 | 315.1 | 326.5 | 324.1 | - | | | - | - 00.0 | _ |
| Photocopying and duplicating services | | 81.7 959.6 | 82.0 960.5 | 84.5 994.6 | 84.2 997.7 | 1,004.3 | 69.5 860.0 | 69.8 860.2 | 68.9 883.7 | 68.6 887.1 | _ |
| Services to buildings Disinfecting and pest control services | 7342 | 90.2 | 88.9 | 93.8 | 94.4 | - 1,004.0 | 74.0 | 72.6 | 75.6 | 76.2 | - |
| Building maintenance services, nec | 7349 | 869.4 | 871.6 | 900.8 | 903.3 | - | 786.0 | 787.6 | 808.1 | 810.9 | - |
| Miscellaneous equipment rental and leasing | 735 | 266.0 | 265.1 | 276.0 | 277.0 | - | 213.2 | 212.2 | 222.4 | 224.7 | _ |
| Medical equipment rental | | 39.5 | 39.5 | 39.4 | 39.5 | _ | 28.8 42.8 | 28.9 | 31.5 44.3 | 31.8 44.8 | - |
| Heavy construction equipment rental Equipment rental and leasing, nec | 7353 | 50.3 176.2 | 50.1 175.5 | 52.2 184.4 | 52.6 184.9 | 1 - | 141.6 | 42.5 140.8 | 146.6 | 148.1 | _ |
| Personnel supply services | 736 | 3,236.6 | 3,333.9 | 3,403.2 | 3,418.7 | 3,507.2 | | - | - | - | _ |
| Employment agencies | 7361 | 355.5 | 362.9 | 385.9 | 388.6 | - | _ | - | - | - | _ |
| Help supply services | 7363 | 2,881.1 | 2,971.0 | 3,017.3 | 3,030.1 | 3,117.8 | | 2,881.2 | | | _ |
| Computer and data processing services | /3/ | 1,615.0 | 1,626.9 | 1,781.5 | 1,796.0 | 1,808.6 | 1,294.7 | 1,303.1 | 1,428.0 | 1,437.3 | - |
| Computer programming services | | 372.4 258.6 | 375.1 258.8 | 408.0 292.1 | 410.7 297.4 | - | 317.7 | 321.2 | 347.2 | 349.1 | _ |
| Prepackaged software Computer integrated systems design | | 179.4 | 181.1 | 199.6 | 199.0 | _ | 126.9 | 128.1 | 142.7 | 142.5 | _ |
| Data processing and preparation | 7374 | 254.0 | 254.3 | 277.6 | 279.3 | - | _ | _ | - | - | i – |
| Information retrieval services | . 7375 | 99.2 | 100.6 | 113.8 | 116.4 | | 72.7 | 73.9 | 86.4 | 88.5 | - |
| Computer maintenance and repair | 7378 | 60.4 | 60.6 | 63.2 | 62.8 | - | 43.5 | 43.5 | 46.6 | 46.9 | - |
| Miscellaneous business services | | 1,833.3 | 1,833.6 | 1,925.2 | 1,934.7 | _ | 1,596.4 | 1,596.0 547.6 | 1,675.3 564.2 | 1,680.4 567.9 | _ |
| Detective and armored car services | | 588.8 62.3 | 594.5 61.1 | 611.4 | 616.0 62.0 | _ | 50.6 | 49.7 | 51.3 | 51.5 | - |
| Photofinishing laboratories | | 76.9 | 77.0 | 77.8 | 78.2 | - | - | - | - | - | - |
| Auto repair, services, and parking | 75 | 1,153.9 | 1,157.0 | 1,192.3 | 1,193.4 | 1,193.2 | 936.7 | 937.7 | 970.4 | 973.1 | - |
| Automotive rentals, without drivers | . 751 | 203.1 | 204.0 | 211.2 | 212.3 | - | 166.6 | 167.0 | 172.6 | 173.4 | - |
| Passenger car rental | . 7514 | 134.5 | 134.8 | 139.8 | 141.5 | - | 111.4 | 111.4 | 115.3 | 116.4 66.8 | - |
| Automobile parking | | 74.1 640.6 | 73.3 | 75.2 666.6 | 75.7 670.2 | _ | 64.5 504.0 | 505.4 | 526.6 | 530.9 | _ |
| Automotive repair shops | | 220.7 | 221.9 | 233.6 | 235.8 | 1 - | 179.6 | 180.6 | 189.3 | 191.4 | _ |
| | | | | | | | | | | | |

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

(In thousands)

| | 1987 | | A | I employe | es | | | Prod | uction wor | kers ¹ | |
|---|-------------|--------------|--------------|--------------|---------------------------|---------------------------|--------------|--------------|--------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Services—Continued | , | | | | | } | } | | | | |
| Auto repair, services, and parking—Continued | | | | | | | | | | | |
| Automotive services, except repair | 754 | 236.1 | 236.0 | 239.3 | 235.2 | _ | 201.6 | 201.2 | 205.3 | 202.0 | _ |
| Carwashes | | 126.6 | 125.5 | 136.3 | 134.1 | l – | 112.2 | 111.1 | 121.1 | 118.7 | - |
| Od Woolloo | | 1.20.0 | 1.20.0 | 1 | | | | | _ | | ì |
| Miscellaneous repair services | 76 | 386.1 | 385.7 | 398.6 | 399.5 | 401.1 | 316.0 | 316.3 | 326.6 | 327.2 | _ |
| Electrical repair shops | 762 | 115.5 | 115.4 | 119.5 | 120.6 | _ | _ | _ | _ | _ | - |
| Licothoar topan onopo | " " | 175.5 | ,,,,,, | | | | | | | | |
| Motion pictures | 78 | 582.9 | 586.6 | 613.2 | 607.2 | 611.5 | 485.4 | 488.0 | 518.9 | 513.6 | |
| Motion picture production and services | 781 | 249.3 | 254.3 | 263.0 | 258.5 | i – | 207.1 | 210.8 | 224.8 | 220.6 | l – |
| Motion picture theaters | | 150.3 | 147.2 | 159.2 | 157.3 | l – | - | _ | - | l – | _ |
| Video tape rental | 784 | 165.2 | 167.0 | 170.3 | 170.3 | - | 130.9 | 132.2 | 136.3 | 136.5 | - |
| Vidoo tapo tottat tiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | 1 | | | | | | | | ĺ | | |
| Amusement and recreation services | 79 | 1,893.2 | 1,862.2 | 1,949.3 | 2,006.4 | 1,981.1 | 1,692.0 | 1,662.9 | 1,724.4 | 1,782.9 | _ |
| Bowling centers | 793 | 69.4 | 71.2 | 71.5 | 69.3 | - | 60.7 | 62.3 | 62.6 | 60.4 | - |
| Misc. amusement and recreation services | 799 | 1,444.4 | 1,422.5 | 1,500.3 | 1,557.1 | í – | 1,293.7 | 1,273.3 | 1,337.2 | 1.393.7 | i – |
| Physical fitness facilities | 7991 | 177.6 | 177.7 | 194.4 | 191.7 | _ | 158.0 | 158.2 | 173.3 | 171.0 | _ |
| Membership sports and recreation clubs | | 437.0 | 424.2 | 454.8 | 472.5 | ۱ _ | 394.2 | 381.4 | 407.4 | 423.4 | - |
| monitoring aporto and reorotation oldes imminim | "" | .55 | | | | ! | [-2 | 1 | 1 | | |
| Health services | 80 | 9,879.0 | 9,874.8 | 9.989.3 | 10008.0 | 10010.8 | 8,760.6 | 8,752.6 | 8,847.3 | 8,863.4 | _ |
| Offices and clinics of medical doctors | 801 | 1,810.5 | 1,817.6 | 1,868.7 | 1,877.2 | 1,882.1 | 1,496.2 | 1,499.7 | 1,536.1 | 1.543.4 | _ |
| Offices and clinics of dentists | | 648.8 | 650.6 | 669.5 | 668.4 | 1,002.1 | 564.8 | 566.5 | 585.9 | 584.4 | - |
| Offices and clinics of other health practitioners | | 449.0 | 448.3 | 452.6 | 452.6 | _ | 374.1 | 373.6 | 377.2 | 377.2 | l _ |
| Offices and clinics of chiropractors and optometrists | | 167.0 | 166.2 | 167.3 | 168.7 | _ | 0/4.1 | - 575.0 | | | _ |
| | | 1,767.6 | 1.765.4 | 1,756.9 | 1,759.1 | 1,760.0 | 1,590.7 | 1,588.2 | 1,578.5 | 1,581.1 | |
| Nursing and personal care facilities | | | 1,765.4 | 1,730.9 | 1,739.1 | 1,760.0 | 1,590.7 | 1,500.2 | 1,570.5 | 1,561.1 | |
| Skilled nursing care facilities | | 1,352.4 | | 202.3 | 202.4 | } _ | 181.5 | 181.0 | 180.7 | 180.7 | _ |
| Intermediate care facilities | 8052 | 201.6 | 201.3 | 210.0 | 210.5 | - | 101.5 | 101.0 | 100.7 | 180.7 | _ |
| Nursing and personal care, nec | 8059 | 213.6 | 213.3 | | | 20010 | 2 610 0 | 26152 | 26454 | 3,652.4 | _ |
| Hospitals | | 3,947.3 | 3,944.4 | 3,976.6 | 3,984.5 | 3,981.2 | 3,618.9 | 3,615.3 | 3,645.4 | 3,032.4 | _ |
| General medical and surgical hospitals | | 3,643.8 | 3,641.5 | 3,666.9 | 3,673.1 | (- | [_ | _ | <u> </u> | [- | _ |
| Psychiatric hospitals | | 79.9 | 79.5 | 82.3 | 81.8 | | | | | l <u>-</u> | _ |
| Specialty hospitals, excluding psychiatric | | 223.6 | 223.4 | 227.4 | 229.6 | _ | _ | _ | - | - | _ |
| Medical and dental laboratories | | 200.8 | 199.5 | 202.6 | 203.7 | | 640.7 | | | 600.1 | _ |
| Home health care services | 808 | 664.2 | 658.8 | 655.3 | 653.9 | 655.1 | 610.7 | 606.2 | 603.6 | 602.1 | _ |
| Legal services | 81 | 991.0 | 983.3 | 1,016.4 | 1,018.0 | 1,010.4 | 795.2 | 788.4 | 815.3 | 814.9 | _ |
| · | | | | | | | | | | 1 | |
| Educational services | 82 | 1,901.2 | 1,868.1 | 2,069.6 | 1,986.3 | 1,949.8 | - | _ | - | - | - |
| Elementary and secondary schools | 821 | 605.7 | 596.3 | 675.9 | 634.8 | [– | (– | - | - | (- | - |
| Colleges and universities | | 1,022.5 | 998.4 | 1,090.9 | 1,042.0 | - | _ | - | - | - | - |
| Vocational schools | 824 | 82.0 | 83.9 | 90.5 | 89.5 |] - | - | - | - |] - | - |
| | 1 | | | | | | | | | | |
| Social services | 83 | 2,666.2 | 2,620.9 | 2,776.5 | 2,782.4 | 2,758.4 | 2,316.8 | 2,269.6 | 2,401.9 | 2,402.1 | - |
| Individual and family services | 832 | 723.8 | 722.2 | 752.3 | 763.3 |) – | 628.3 | 626.8 | 653.5 | 662.7 | _ |
| Job training and related services | 833 | 428.0 | 377.4 | 404.7 | 433.6 | - | 381.4 | 330.0 | 352.9 | 376.1 | - |
| Child day care services | 835 | 556.1 | 560.7 | 619.3 | 578.7 | 576.1 | 488.1 | 491.6 | 544.2 | 506.0 | - |
| Residential care | | 752.5 | 753.3 | 782.9 | 786.8 | 788.3 | 652.8 | 653.4 | 678.1 | 681.5 |] - |
| Social services, nec | 839 | 205.8 | 207.3 | 217.3 | 220.0 | l - | 166.2 | 167.8 | 173.2 | 175.8 | _ |
| Museums and botanical and zoological gardens | 84 | 100.6 | 99.4 | 101.2 | 102.6 | 101.2 | _ | _ | _ | _ | _ |
| | | 1 | | 1 | 1 | | | | | | |
| Membership organizations | 86 | 2,433.7 | 2,405.0 | 2,447.7 | 2,476.8 | 2,447.0 | - | - | - | - | _ |
| Business associations | 861 | 111.3 | 110.2 | 112.1 | 112.3 |) - | 1 - | | - |) - |) – |
| Professional organizations | | 61.4 | 61.8 | 66.4 | 66.7 | - | 44.5 | 44.7 | 48.3 | 48.7 | - |
| Labor organizations | | 138.6 | 140.4 | 150.5 | 140.4 | - | - | _ | - | - | _ |
| Civic and social associations | 864 | 522.3 | 491.4 | 508.1 | 545.1 | - | - | - | | - | l – |
| | ļ | ļ | | ļ | ļ | ļ | ļ | | | | |
| Engineering and management services | 87 | 3,226.2 | 3,224.3 | 3,435.1 | 3,468.8 | 3,462.5 | 2,475.2 | 2,469.3 | 2,581.4 | 2,604.4 | _ |
| Engineering and architectural services | 871 | 923.7 | 926.3 | 955.4 | 963.7 | 963.4 | 762.8 | 763.8 | 784.0 | 791.3 | - |
| Engineering services | 8711 | 699.4 | 701.0 | 719.1 | 726.0 | - | 583.6 | 584.4 | 596.3 | 602.4 | _ |
| Architectural services | | 162.2 | 163.2 | 171.6 | 172.9 | - | 127.8 | 128.4 | 135.1 | 136.2 | _ |
| Surveying services | 8713 | 62.1 | 62.1 | 64.7 | 64.8 | - | 51.4 | 51.0 | 52.6 | 52.7 | - |
| Accounting, auditing, and bookkeeping | 872 | 623.8 | 623.4 | 660.3 | 663.9 | - | 441.9 | 441.8 | 454.4 | 460.3 | - |
| g, ag, a | | | | | | <u></u> | L | L | | L | <u> </u> |

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

(In thousands)

| | 1987 | | Al | Il employe | es | | | Produ | uction wor | kers ¹ | |
|--|-------------|---------------|---------------|---------------|---------------|---------------------------|---------------|---------------|--------------|-------------------|---------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999i |
| Services—Continued | | | | | | | | | | | |
| Engineering and management services—Continued | | | | | | i i | | | | | |
| Research and testing services | . 873 | 629.5 | 623.8 | 656.8 | 664.7 | _ | 484.8 | 478.7 | 485.9 | 487.8 | _ |
| Commercial physical research | | 235.4 | 234.6 | 244.8 | 247.7 | l _ l | 162.8 | 162.0 | 151.9 | 149.8 | l _ |
| Commercial nonphysical research | 0731 | 145.7 | 141.5 | 153.6 | 153.8 | _ | 122.6 | 118.6 | 127.3 | 127.1 | _ |
| Managemental research ergorizations | . 0732 | | 145.8 | 154.9 | 157.8 | _ | 115.9 | 114.6 | 122.2 | 124.7 | _ |
| Noncommercial research organizations | . 0733 | 146.8 | 1,050.8 | 1,162.6 | 1,176.5 | 1,180.8 | 785.7 | 785.0 | 857.1 | 865.0 | _ |
| Management and public relations | - 074 | 1,049.2 | | | 382.9 | 1,160.6 | 254.1 | 255.2 | 282.3 | 282.6 | _ |
| Management services | . 18741 | 339.8 | 341.5 | 381.8 | | - | | | 314.8 | 318.7 | _ |
| Management consulting services Public relations services | . 8743 | 386.2 42.1 | 387.8 42.2 | 430.8 47.6 | 438.8 48.2 | _ | 287.7 28.3 | 287.7 28.4 | 31.3 | 31.3 | _ |
| Services, nec | . 89 | 52.7 | 52.5 | 57.4 | 58.3 | 56.5 | 41.5 | 41.3 | 45.2 | 46.1 | _ |
| Government | | 18,752 | 18,676 | 20,178 | 19,093 | 18,997 | _ | _ | | _ | _ |
| Federal Government ⁴ | | 2,689 | 2,695 | 2,682 | 2,669 | 2,665 | _ | _ | _ | _ | _ |
| | | | · | | 2,000 | 2,000 | | | | _ | |
| Executive, by agency ⁴ | | 2,625.9 | 2,633.6 | 2,619.2 | _ | - | - | _ | _ | _ | - |
| Department of Defense | | 672.0 | 666.5 | 648.2 | _ | _ | _ | - | _ | _ | - |
| Postal Service ⁵ | | 854.7 | 861.0 | 867.0 | - | - | - 1 | _ | _ | _ | - |
| Other executive agencies | | 1,099.2 | 1,106.1 | 1,104.0 | _ |] [] | - | _ | _ | _ | - |
| Legislative | 1 | 31.6 | 30.2 31.3 | 31.3 31.6 | _ | _ | _ | _ | | - | = |
| Federal Government, except Postal Service | | 1,833.9 | 1,834.1 | 1,815.1 | 1,800.9 | 1,793.5 | - | - | _ | - | _ |
| Federal Government, by industry: | | | | | | | | | | | |
| Manufacturing activities | | 49.6 | 49.9 | 47.8 | 47.7 | | _ | _ | _ | - | - |
| Ship building and repairing | . 3731 | 21.8 | 22.1 | 21.2 | 21.2 | _ | _ | _ | _ | _ | - |
| Transportation and public utilities, except Postal | | | | l | | 1 | | | | | |
| Service | | 13.7 | 13.6 | 13.6 | 13.6 | _ | _ | - | - | _ | i – |
| Services | | 357.3 | 356.1 | 352.7 | 353.5 | _ | _ | _ | _ | | - |
| Hospitals | | 225.0 | 223.7 | 219.7 | 219.1 | - | _ | _ | - | _ | - |
| State government | | 4,391 | 4,379 | 4,533 | 4,458 | 4,443 | _ | - | _ | _ | - |
| Construction | | 90.4 | 89.9 | 90.6 | 90.8 | - | _ | - | _ | _ | _ |
| Transportation and public utilities | • | 53.2 | 53.1 | 53.6 | 54.3 | - | _ | _ | - | _ | _ |
| Services | | 2,364.2 | 2,367.3 | 2,485.1 | 2,397.9 | - ' | _ | - | _ | - | - 1 |
| Hospitals | | 348.1 | 347.0 | 348.8 | 349.2 | - | _ | - | _ | - | i – |
| Education | | 1,638.0 | 1,641.9 | 1,758.8 | 1,666.1 | 1,667.6 | _ | - | _ | _ | - |
| Social services | • | 210.8 | 210.7 | 213.5 | 215.5 | - | _ | _ | _ | _ | _ |
| and social services | . | 167.3 | 167.7 | 164.0 | 167.1 | - ' | - | _ | - | - | - |
| legislative, and judicial functions | .] | 1.882.9 | 1,868.7 | 1,904.1 | 1,915.4 | _ | _ | _ | l – | _ | - |
| State government, except education | | 2,752.7 | 2,737.1 | 2,774.6 | 2,792.3 | 2,775.4 | - | _ | - | - | - |
| Local government | | 11,672 | 11,602 | 12,963 | 11,966 | 11,889 | _ | _ | l _ | _ | _ |
| Local government Transportation and public utilities | | 457.3 | 455.8 | | 463.7 | | | | l _ | _ | |
| Services | | 7,173.7 | 7,154.8 | | 7,396.0 | I _ | _ | | l _ | _ | _ |
| Hospitals | | 637.4 | 637.5 | 648.4 | 650.2 | l _ | _ | | l _ | _ | _ |
| Education | | 5,937.5 | 5,940.0 | | 6,111.3 | 6,111.6 | _ | l _ | l _ | l _ | _ |
| | | 146.4 | 142.2 | 142.5 | 155.8 | 10,111.0 | | l _ | | | - |
| Social servicesServices, except hospitals, education, | | ĺ | | 1 |] | _ | | _ | _ | - | |
| and social services | | 452.4 | 435.1 | 444.5 | 478.7 | _ | - | _ | - | _ | - |
| legislative, and judicial functions | | 4,041.4 | 3,991.5 | 4,000.4 | 4,105.9 | _ | - | - | _ | - | - |
| Local government, except education | | 5,734.9 | 5,662.1 | 5,696.6 | | 5,777.8 | _ | - | _ | i – | 1 - |
| Look government, except eadedfor minimum. | -1 | 1 2,1.2 | 1 2,222 | 1 -, | | 1 " | 1 | 1 | ł | | İ |

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.
 Data relate to line—haul railroads with operating revenues of \$253.7 million or more in 1993 and to Amtrak.
 Excludes nonoffice commissioned real estate sales agents.
 Prepared by the Office of Personnel Management. Data relate to civilian

employment only and exclude the Central Intelligence Agency and the National Security Agency.

5 Includes rural mail carriers.

Data not available.

p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1998 forward are subject to revision.

B-13. Women employees on nonfarm payrolls by major industry and manufacturing group

| Industry | May 1998 | June 1998 | Apr. 1999 | May 1999 | June 1999 |
|--|----------------|--------------|--------------|-------------|--------------|
| | _ | | | | |
| Total | 60,984 | 61,045 | 62,082 | 62,373 | 62,495 |
| Total private | 49,654 | 49,990 | 50,520 | 50,801 | 51,179 |
| oods-producing | 6,752 | 6,800 | 6,599 | 6,618 | 6,672 |
| Mining | 84 | 85 | 79 | 78 | 79 |
| Construction | 657 | 673 | 684 | 694 | 710 |
| Manufacturing | 6,011 | 6,042 | 5,836 | 5,846 | 5,883 |
| Durable goods | 2.995 | 3,006 | 2,922 | 2,925 | 2.945 |
| Lumber and wood products | 142.2 | 145.2 | 146.8 | 148.7 | 151.1 |
| Furniture and fixtures | 168.4 | 169.5 | 170.9 | 172.0 | 172.6 |
| Stone, clay, and glass products | 105.4 | 106.3 | 102.3 | 102.2 | 103.9 |
| | 104.1 | 106.2 | 100.7 | 100.6 | 102.2 |
| Primary metal industries | 336.8 | 338.7 | 337.2 | 338.0 | 340.6 |
| Fabricated metal products | 488.5 | 488.8 | 465.8 | 466.9 | 469.5 |
| Industrial machinery and equipment | 709.9 | 709.9 | 674.4 | 673.7 | 676.6 |
| Electronic and other electrical equipment | | 409.8 | 404.5 | 404.6 | 407.0 |
| Transportation equipment | 408.0 | 358.4 | 350.5 | 349.4 | 351.4 |
| Instruments and related products | 358.0 173.5 | 173.4 | 169.1 | 168.6 | 170.2 |
| Nondurable goods | 3,016 | 3,036 | 2,914 | 2,921 | 2,938 |
| Food and kindred products | 539.2 | 548.4 | 532.6 | 540.8 | 549.7 |
| Tobacco products | 11.2 | 11.2 | 11.2 | 10.6 | 10.9 |
| Textile mill products | 279.9 | 280.1 | 263.2 | 261.7 | 261.3 |
| Apparel and other textile products | 567.6 | 566.9 | 502.0 | 500.0 | 499.0 |
| Paper and allied products | 164.3 | 166.0 | 159.2 | 159.8 | 161.9 |
| Printing and publishing | 705.3 | 709.4 | 699.2 | 698.0 | 701.0 |
| Chemicals and allied products | 333.8 | 337.1 | 334.3 | 336.9 | 338.9 |
| Petroleum and coal products | 24.3 | 25.0 | 24.5 | 24.6 | 24.9 |
| | 345.4 | 347.6 | 348.1 | 348.5 | 350.8 |
| Rubber and misc. plastics products Leather and leather products | 44.7 | 44.4 | 39.7 | 39.6 | 39.9 |
| ervice-producing | 54,232 | 54,245 | 55,483 | 55,755 | 55,823 |
| Transportation and public utilities | 1,975 | 1,980 | 2,048 | 2,065 | 2,077 |
| Wholesale trade | 2,092 | 2,104 | 2,128 | 2,137 | 2,153 |
| Retail trade | 11,679 | 11,809 | 11,769 | 11,960 | 12,079 |
| Finance, insurance, and real estate | 4,631 | 4,681 | 4,742 | 4,751 | 4,803 |
| Services | 22,525 | 22,616 | 23,234 | 23,270 | 23,395 |
| | | 14.0== | 11.500 | 44.570 | 11.010 |
| Government | 11,330 | 11,055 | 11,562 | 11,572 | 11,316 |
| Federal | 1,141 | 1,151 | 1,131 | 1,126 | 1,135 |
| State | 2,387 | 2,279 | 2,479 | 2,445 | 2,333 |
| Local | 7,802 | 7,625 | 7,952 | 8,001 | 7,848 |

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1998 forward are subject to revision.

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

(In thousands)

| | | Total | | | Mining | ; | | Construction | |
|---|------------------|------------------|------------------|--------------------|-------------------------|-------------------------|--------------|--------------|--------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 |
| Alabama | 1,910.7 | 1,933.3 | 1,928.1 | 10.4 | 10.4 | 10.2 | 103.9 | 108.4 | 109 |
| Birmingham | 475.0 | 483.0 | 481.5 | 2.7 | 2.7 | 2.8 | 29.5 | 30.4 | 30 |
| Huntsville | | 178.8 | 176.8 | · (!) - | (!) { | (1) | 6.5 | 7.0 | 6. |
| Mobile | 228.2 | 234.3 | 234.9 | (!) | (:) | (!) | 18.0 | 19.1 | 19 |
| Montgomery Tuscaloosa | 161.6 79.7 | 166.7 81.8 | 166.8 81.1 | (1) 2.9 | ([']) 2.8 | (1) 2.7 | 8.9 5.5 | 8.9 6.0 | 9. 6. |
| Alaska Anchorage | 295.1 132.7 | 289.3 134.4 | 296.7 135.0 | 10.8 2.7 | 9.2 2.4 | 9.0 2.3 | 16.3 8.3 | 15.4 8.1 | 16. 8. |
| Arizona | | 2,130.8 | 2,109.7 | 12.9 | 12.6 | 10.4 | 145.7 | 157.4 | 158 |
| Phoenix-Mesa | | 1,495.2 | 1,485.1 | 5.6 | 5.5 | 3.3 | 106.8 | 114.7 | 115 |
| Tucson | 316.1 | 334.4 | 326.1 | 2.2 | 2.1 | 1.9 | 20.4 | 22.0 | 22 |
| Arkenses | | 1,141.4 | 1.133.2 | 3.4 | 3.2 | 3.2 | 50.0 | 51.3 | 52. |
| Fayetteville-Springdale-Rogers | | 145.6 | 145.5 | (1) | (1) | (1) | 5.9 | 5.9 | 6 |
| Fort Smith | | 98.9 | 98.2 307.9 | .18 | .1, .7 | .1, .7 | 4.4 | 4.3 | 4 |
| Little Rock-North Little Rock Pine Bluff | 307.4 36.1 | 310.4 36.1 | 36.1 | - (3) | {1} | {i} | 14.9 1.2 | 14.6 1.0 | 14 1 |
| alifornia | | 14,025.4 | 13,947.9 | 25.7 | 23.6 | 23.6 | 624.3 | 662.2 | 681 |
| Bakersfield | | 192.4 | 188.9 | 9.4 | 8.6 | 8.6 | 10.6 | 10.9 | 11 |
| Fresno | | 290.3 | 290.3 | .4 | .3 [| .3 | 15.1 | 15.7 | 16 |
| Los Angeles-Long Beach | | 4,029.8 | 4,001.2 | (²) | (²) | 4.5 (²) | 118.4 | 125.7 | 126 |
| Modesto Oakland | | 140.0 1,009.3 | 142.0 1,004.7 | 1.7 | 1.7 | 1.7 | 8.4 55.8 | 8.4 58.7 | |
| Orange County | | 1,341.3 | 1,331.9 | .9 | 'è.' | ,., .9 | 64.9 | 68.3 | 60 69 |
| Riverside-San Bernardino | 868.3 | 911.5 | 903.9 | 1.0 | 1.0 | 1.0 | 60.0 | 63.7 | 64 |
| Sacramento | 647.9 | 671.3 | 669.1 | ž | .2 | .2 | 38.1 | 40.8 | 41 |
| Salinas | | 126.8 | 126.4 | .1 | <u>.</u> 1 | .1 | 5.6 | 6.0 | · |
| San Diego | 1,102.5 | 1,124.4 | 1,116.3 | .3 | 3 | .3 | 63.5 | 62.9 | 63 |
| San Francisco | 1,022.3 | 1,034.3 | 1,033.6 | .5 | .5 | .5 | 39.6 | 41.1 | 42 |
| San Jose | | 965.7 | 965.6 | .1 - | .1 | .1 | 42.2 | 44.6 | 45 |
| Santa Barbara-Santa Maria-Lompoc | | 157.6 | 155.6 | .8 | .7 | .7 | 6.8 | 6.9 | 7 |
| Santa Rosa | 171.1 | 179.7 | 176.7 | 5 | .5 | .5 | 10.4 | 10.9 | 11 |
| Stockton-Lodi | | 174.6 162.3 | 175.5 | .1 | .5 | .1 | 9.2 | 9.8 | 9 |
| Vallejo-Fairfield-Napa Ventura | | 262.3 | 161.0 261.5 | 1.3 | 1.1 | .5 1.1 | 11.0 12.8 | 11.3 14.9 | 11 15 |
| Colorado | | 2,103.7 | 2,106.5 | 14.6 | 13.0 | 13.3 | 139.5 | 142.1 | 146 |
| Boulder-Longmont | | 167.4 | 166.6 | (1) | (!) | (1) | 7.8 | 8.3 | |
| Colorado Springs | | 232.4 | 231.7 | (1) | (1) | (1) | 13.6 | 13.7 | 14 |
| Denver | 1,101.6 | 1,132.2 | 1,131.4 | 7.1 | 6.0 | 6.1 | 71.6 | 74.6 | 77 |
| Connecticut Bridgeport | 1,644.6 183.8 | 1,679.9 188.3 | 1.665.9 185.0 | .8 | ,2, .9 | .9 | 62.3 6.8 | 63.6 6.9 | 65 |
| Danbury | | 88.8 | 87.8 | {1} | \ \1\\ | - }ı(| 4.0 | 4.0 | 7 |
| Hartford | 600.5 | 607.7 | 602.6 | - (1) | 715 | (15 | 21.0 | 21.0 | 21 |
| New Haven-Meriden | | 258.3 | 256.4 | (1) | (15) | (1) | 10.4 | 10.4 | 10 |
| New London-Norwich | | 141.6 | 141.6 | (!) | (1) | (!) | 4.8 | 5.0 | |
| Stamford-Norwalk | | 209.4 | 208.7 | (1) | (1) | (1) | 6.4 | 6.0 | • |
| Waterbury | 86.7 | 87.1 | 86.1 | (2) | (2) | (2) | 3.5 | 3.5 | 3 |
| Delaware | 402.2 | 417.9 | 414.6 | .1 | .1 } | .1 | 23.2 | 24.8 | 25 |
| Dover | 53.3 309.7 | 54.9 323.3 | 54.3 319.5 ¦ | .1 .2 | .1 | .1 .2 | 2.8 17.1 | 2.7 18.2 | 19 |
| District of Columbia | 626.3 | 618.5 | 628.4 | .1 | .1 | .1 | 9.2 | 9.2 | g |
| Washington PMSA | 2.573.9 | 2,634.7 | 2,643.8 | 1.1 | 1.2 | 1.2 | 136.7 | 139.6 | 142 |
| Porida | | 6,921.2 | 6,830.1 | . 3, 6.8 | 7.0 | . 3. 6.9 | 352.5 | 370.2 | 369 |
| Daytona Beach | | 159.5 | 157.1 | (²) | (²) | (²) | 8.3 | 8.1 | |
| Fort Lauderdale Fort Myers-Cape Coral | | 662.5 | 652.0 159.1 | (2) | (2) .1 | 12) | 35.7 | 36.5 | 36 |
| Gainesville | | 162.1 116.1 | 116.0 | 725 | (2) | (2) | 14.0 4.8 | 14.3 4.8 | 10 |
| Jacksonville | | 550.5 | 546.2 | (2) | (2) | (2) | 29.4 | 29.7 | 29 |
| Lakeland-Winter Haven | | 180.6 | 177.1 | 3.2 | 3.1 | 3.2 | 10.0 | 9.9 | |
| Melbourne-Titusville-Palm Bay | 181.5 | 187.6 | 186.0 | (²) | (2) | (²) | 9.5 | 10.2 | 10 |
| Miami | 967.7 | 996.7 | 986 7 | .3 | .3 | .3 | 34.6 | 36.4 | 3 |
| Orlando | | 880.3 | 870 0 | (²) | (²) | (²) | 46.9 | 50.0 | 50 |
| Pensacola | | 160.9 | 158.3 | (2) | (2) | (2) | 10.9 | 11.5 | 1 |
| Sarasota-Bradenton | | 260.4 | 257.2 | (2) (2) | (2) | (2) | 13.2 | 13.8 | 13 |
| Tallahassee | | 154.4 | 154.4 | | (2) | (2) | 6.1 | 6.3 | |
| Tampa-St. Petersburg-Clearwater West Palm Beach-Boca Raton | | 1,180.3 499.1 | 1,172.2 490.6 | (²).4 | .5 (²) | .5 ⁽²) | 54.5 27.0 | 58.3 28.4 | 58 |
| | t 404.U | → 33.1 } | 490.0 | 1-1 | 1 (~) [| (-) | | 25.4 ▮ | 28 |

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

| | 1 | Manufacturing | | | ansportation a public utilities | nd i | Whole | sale and retai | trade |
|--|-----------------------|----------------|-----------------|---------------|------------------------------------|---------------|-----------------|-----------------|---------------------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p |
| Alabama | 377.7 | 370.4 | 368.4 | 93.2 | 94.2 | 94.6 | 444.7 | 453.4 | 453.6 |
| Birmingham | 51.2 | 52.7 | 52.7 | 30.9 | 31.7 | 31.9 | 116.3 | 117.8 | 118.2 |
| Huntsville | 38.2 | 37.6 | 36.2 | 4.1 | 4.3 | 4.2 | 35.7 | 36.2 | 36.4 |
| Mobile | 27.6 | 27.4 | 27.5 | 12.9 | 13.1 | 13.3 | 61.3 | 63.5 | 63.8 |
| Montgomery Tuscaloosa | 18.1 12.2 | 18.5 12.8 | 18.4 12.7 | 6.8 2.5 | 7.0 2.5 | 7.0 2.5 | 38.2 19.4 | 39.7 20.1 | 39.6 20.0 |
| Alaska Anchorage | 22.0 2.2 | 15.8 2.2 | 22.0 2.3 | 27.5 13.9 | 28.2 14.8 | 28.5 15.0 | 61.7 32.3 | 61.4 32.5 | 62.2 32.7 |
| Arizona | 217.7 | 219.3 | 218.5 | 101.1 | 106.3 | 106.1 | 491.8 | 512.4 | 508.6 |
| Phoenix-Mesa Tucson | 170.9 29 .1 | 170.7 30.5 | 170.2 30.9 | 74.5 13.5 | 79.6 13.6 | 79.3 13.6 | 347.6 68.7 | 362.3 71.0 | 360.1 70.0 |
| Arkensas | 254.5 34.2 | 253.4 34.3 | 253.0 | 68.1 9.9 | 69.2 10.4 | 69.5 10.5 | 257.6 40.4 | 262.4 41.7 | 262.2 42.1 |
| Fayetteville-Springdale-Rogers | 27.3 | 28.0 | 34.5 27.9 | 6.5 | 6.6 | 6.5 | 19.8 | 20.2 | 20.3 |
| Fort SmithLittle Rock | 33.7 | 33.6 | 33.3 | 21.6 | 21.7 | 21.8 | 70.7 | 72.3 | 72.0 |
| Pine Bluff | 8.6 | 8.4 | 8.6 | 1.8 | 1.8 | 1.8 | 7.1 | 7.2 | 7.2 |
| California Bakersfield | 1,974.2 9.9 | 1,949.3 9.8 | 1,953.6 10.0 | 699.5 11.0 | 716.4 11.0 | 720.5 11.1 | 3,127.4 43.0 | 3,165.9 43.4 | 3,168.7 43.5 |
| Fresno | 30.6 | 30.8 | 32.6 | 14.2 | 14.4 | 14.7 | 67.5 | 68.0 | 68.3 |
| Los Angeles-Long Beach | 666.5 | 662.6 | 658.7 | 224.7 | 231.3 | 232.7 | 872.9 | 888.7 | 888.7 |
| Modesto | 28.9 | 26.7 | 30.2 | 5.4 | 5.4 | 5.5 | 34.6 | 34.5 | 34.6 |
| Oakland | 124.1 | 124.1 | 124.6 | 62.4 46.5 | 65.1 | 65.2 | 218.8 | 222.6 | 223.9 325.7 |
| Orange County Riverside-San Bernardino | 237.5 111.1 | 240.8 116.1 | 240.4 116.3 | 46.0 | 49.2 47.8 | 49.2 48.1 | 321.3 221.1 | 324.8 228.2 | 227.9 |
| Sacramento | 47.1 | 46.8 | 47.1 | 26.2 | 27.0 | 27.0 | 140.3 | 141.5 | 142.0 |
| Salinas | 9.6 | 10.1 | 9.2 | 5.6 | 5.7 | 5.8 | 31.8 | 32.8 | 33.1 |
| San Diego | 128.7 | 125.8 | 125.9 | 44.9 | 46.3 | 46.3 | 248.1 | 251.6 | 252.1 |
| San Francisco | 77.9 | 76.9 | 77.0 | 81.9 | 81.2 | 81.4 | 213.2 | 215.7 | 216.6 |
| San Jose | 267.2 | 254.4 | 255.9 | 28.8 | 29.6 5.4 | 29.6 5.4 | 184.9 37.9 | 183.6 | 184.0 38.3 |
| Santa Barbara-Santa Maria-Lompoc Santa Rosa | 18.2 28.4 | 17.5 28.7 | 18.0 29.1 | 5.3 6.6 | 5.4 6.8 | 6.9 | 43.1 | 38.4 43.7 | 43.7 |
| Stockton-Lodi | 24.4 | 23.7 | 25.9 | 12.4 | 12.3 | 13.0 | 41.2 | 40.8 | 40.9 |
| Vallejo-Fairfield-Napa Ventura | 19.3 35.1 | 19.8 35.6 | 19.9 35.5 | 6.9 10.2 | 6.6 10.4 | 6.5 10.4 | 40.0 60.0 | 41.2 61.3 | 41.2 61.4 |
| Colorado | 208.5 | 206.2 | 205.8 | 129.8 | 132.4 | 134.1 | 496.3 | 509.7 | 512.4 |
| Boulder-Longmont | 32.5 | 32.8 | 32.3 | 4.1 | 4.5 | 4.5 | 35.7 | 35.3 | 35.7 |
| Colorado Springs Denver | 27.0 93.4 | 27.1 92.5 | 27.2 92.3 | 11.6 92.2 | 12.0 95.1 | 12.1 96.5 | 51.0 260.8 | 51.8 274.4 | 52.1 275.0 |
| Connecticut | 277.3 | 275.6 | 271.5 | 75.9 | 76.4 | 75.5 | 355.7 | 361.6 | 359.1 |
| Bridgeport | 38.0 | 38.2 | 37.2 | 7.0 | 7.0 | 6.9 | 41.2 | 41.6 | 41.1 |
| Danbury | 19.3 | 18.8 | 18.5 | 2.5 | 2.7 | 2.7 | 21.8 | 22.1 | 22.0 |
| Hartford New Haven-Meriden | 95.2 40.2 | 95.2 40.2 | 93.5 40.2 | 25.9 16.3 | 27.0 16.9 | 26.1 16.5 | 123.4 54.5 | 124.7 i 55.1 | 122.9 54.8 |
| New London-Norwich | 24.0 | 24.2 | 23.9 | 6.8 | 7.0 | 6.9 | 28.6 | 28.5 | 28.7 |
| Stamford-Norwalk Waterbury | 27.2 18.6 | 26.9 18.7 | 26.7 18.4 | 10.8 3.5 | 10.0 3.7 | 9.9 3.4 | 44.4 17.7 | 43.6 18.3 | 43.0 18.0 |
| Delaware | 58.1 | 60.1 | 57.8 | 15.8 | 17.9 | 17.0 | 89.3 | 92.1 | 92.7 |
| Dover | 6.2 43.8 | 6.3 45.7 | 6.3 43.1 | 1.8 13.6 | 2,1 15.3 | 1.8 14.8 | 12.5 62.4 | 12.6 64.8 | 12.7 64.4 |
| District of Columbia Washington PMSA | 12.5 103.2 | 12.1 104.8 | 12.2 105.5 | 16.3 119.2 | 15.8 124.1 | 15.7 124.6 | 49.2 476.5 | 49.2 481.6 | 49.7 481.4 |
| Florida | 495.7 | 497.9 | 494.7 | 335.7 | 351.3 | 350.4 | 1.658.7 | 1,720.7 | 1,702.7 |
| Daytona Beach | 14.0 | 14.6 | 14.5 | 4.9 | 5.1 | 5,2 | 42.7 | 43.2 | 43.2 |
| Fort Lauderdale | 40.0 | 39.4 | 39.1 | 30.4 | 30.8 | 30.9 | 178.5 | 185.8 | 183.5 |
| Fort Myers-Cape Coral | 7.2 | 7.2 | 7.3 | 7.4 | 7.9 | 7.9 | 42.8 | 45.0 | 44.3 |
| Gainesville Jacksonville | 5.4 39.8 | 5.3 40.9 | 5.3 41.4 | 2.4 37.0 | 2.6 38.3 | 2.6 37.5 | 22.7 128.3 | 23.4 | 23.2 |
| Lakeland-Winter Haven | 20.1 | 20.2 | 20.1 | 8.9 | 9.1 | 37.5 8.9 | 48.0 | 131.4 50.3 | 130.8 49.8 |
| Melbourne-Titusville-Palm Bay | 27.0 | 27.0 | 26.7 | 5.8 | 61 | 6.2 | 42.9 | 45.0 | 44.5 |
| Miami | 75.5 | 75.7 | 75.5 | 86.9 | 89.5 | 90.0 | 252.0 | 259.0 | 257.3 |
| Orlando | 54.0 | 54.5 | 54.0 | 42.5 | 45.0 | 44.6 | 203.8 | 212.6 | 212.9 |
| Pensacola | 10.6 | 9.8 | 9.7 | 7.6 | 8.0 | 8.1 | 40.8 | 43.1 | 42.5 |
| | | | 22.2 | E 2 | | E 0 1 | 57.6 | | E0.0 |
| Sarasota-Bradenton | 21.1 | 22.2 | | 5.2 | 5.2 | 5.2 | | 59.9 | 59.2 |
| | 21.1 4.9 88.9 | 5.0 90.2 | 5.1 89.5 | 4.1 49.1 | 4.2 53.0 | 4.1 52.4 | 30.0 257.0 | 31.0 262.6 | 30.7 260.4 |

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

(In thousands)

| State and area Alabama Birmingham Huntsville Mobile Montgomery Tuscaloosa Alaska Anchorage | July 1998 88 2 35.6 4 8 10.0 10.0 2.5 | June 1999 89.7 36.9 4.7 10.3 10.0 2.5 | July 1999P 90.2 37.1 4.7 10.3 | July 1998 452.6 143.4 | June 1999 462.3 | July 1999P | July 1998 | June 1999 | July 1999 |
|---|--|--|--|--------------------------------|-----------------------|------------------|-----------------|-----------------|-----------------|
| Birmingham Huntsville Mobile Mobile Montgomery Tuscaloosa Alaska Anchorage | 35.6 4.8 10.0 10.0 2.5 | 36.9 4.7 10.3 10.0 | 37.1 4.7 | | 4623 | | | | |
| Huntsville Mobile Montgomery Tuscaloosa Alaska Anchorage | 4.8 10.0 10.0 2.5 | 4.7 10.3 10.0 | 4.7 | 143 4 i | -02.J | 461.8 | 340.0 | 344.5 | 340.2 |
| Mobile Montgomery Tuscaloosa Alaske Anchorage | 10.0 10.0 2.5 13.1 | 10.3 10.0 | | | 143.5 | 143.1 | 65.4 | 67.3 | 65.3 |
| Montgomery Tuscaloosa Naska Anchorage | 10.0 2.5 13.1 | 10.0 | 1021 | 49.8 | 51.4 | 51.7 | 37.9 | 37.6 | 36.7 |
| Tuscaloosa Naske Anchorage | 2.5 13.1 | | | 63.9 | 65.1 | 65.0 | 34.5 | 35.8 | 35.7 |
| Anchorage | | | 10.2 2.5 | 43.3 14.3 | 45.5 14.7 | 45.4 14.6 | 36.3 20.4 | 37.1 20.4 | 37.2 20.1 |
| I-f | | 13.2 7.7 | 13.3 7.7 | 73.8 37.9 | 74.0 38.7 | 75.3 39.1 | 69.9 27.7 | 72.1 28.0 | 69.8 27.2 |
| krizona | 141.0 | 145.4 | 146.0 | 626.1 | 648.7 | 645.5 | 299.9 | 328.7 | 315.9 |
| Phoenix-Mesa Tucson | 118.1 13.4 | 123.2 13.4 | 123.9 13.4 | 450.2 106.4 | 464.3 110.1 | 462.9 109.4 | 161.4 62.4 | 174.9 71.7 | 169.8 64.6 |
| Arkaneas | 45.4 | 46.0 | 46.0 | 266.8 | 271.1 | 272.5 | 173.2 | 184.8 | 174.8 |
| Fayetteville-Springdale-Rogers | 5.1 3.2 | 5.4 3.2 | 5.4 | 28.1 | 29.0 | 28.9 | 18.3 | 18.9 | 18.1 |
| Fort Smith Little Rock-North Little Rock | 17.9 | 17.9 | 3.2 17.9 | 26.8 91.9 | 26.3 91.3 | 26.3 91.5 | 8.9 56.7 | 9.6 59.0 | 9.0 56.8 |
| Pine Bluff | 1.3 | 1.3 | 1.3 | 8.7 | 8.6 | 8.7 | 7.4 | 7.8 | 7.5 |
| California Bakersfield | 804.9 7.3 | 815.1 7.6 | 817.2 7.6 | 4,241.3 46.3 | 4,430.9 48.2 | 4,438.4 48.6 | 2.076.1 45.5 | 2,262.0 52.9 | 2,144.2 48.4 |
| Fresno | 13.9 | 14.2 | 14.2 | 75.6 | 77.7 | 78.0 | 63.4 | 69.2 | 48.4 66.1 |
| Los Angeles-Long Beach | 227.4 | 231.3 | 231.4 | 1.288.2 | 1,325.9 | 1,323.3 | 522.9 | 559.8 | 535.3 |
| Modesto | 4.5 | 4.5 | 4.5 | 35.3 | 36.0 | 36.0 | 22.4 | 24.5 | 22.7 |
| Oakland | 55.8 | 56.8 | 57.0 | 294.7 | 303.8 | 305.1 | 160.0 | 176.5 | 166.4 |
| Orange County | 100.8 | 102.2 | 102.5 | 395.7 | 411.6 | 411.0 | 127.8 | 143.5 | 132.5 |
| Riverside-San Bernardino | 30.5 | 30.3 | 30.5 | 229.6 | 241.0 | 240.6 | 169.0 | 183.4 | 174.9 |
| Sacramento | 48.0 | 48.7 | 48.8 | 182.6 | 188.8 | 190.8 | 165.4 | 177.5 | 171.4 |
| Salinas | 6.0 | 6.1 | 6.1 | 34.6 | 36.1 | 36.5 | 29.5 | 29.9 | 29.4 |
| San Diego San Francisco | 65.0 109.5 | 64.6 105.4 | 64.6 105.9 | 366.7 379.2 | 370.4 387.4 | 373.0 387.1 | 185.3 120.5 | 202.5 126.1 | 190.5 123.0 |
| San Jose | 32.5 | 32.7 | 32.8 | 320.2 | 329.1 | 327.3 | 87.8 | 91.6 | 90.4 |
| Santa Barbara-Santa Maria-Lompoc | 7.6 | 7.4 | 7.3 | 47.6 | 48.1 | 48.3 | 30.4 | 33.2 | 30.6 |
| Santa Rosa | 10.2 | 10.4 | 10.5 | 50.1 | 51.9 | 52.0 | 21.8 | 26.8 | 22.8 |
| Stockton-Lodi | 8.6 | 8.4 | 8.5 | 43.1 | 43.9 | 43.8 | 32.9 | 35.6 | 33.6 |
| Vallejo-Fairfield-Napa Ventura | 6.2 13.7 | 6.3 13.8 | 6.3 13.6 | 41.6 76.8 | 43.2 80.5 | 43.1 80.5 | 30.8 41.5 | 33.4 44.7 | 32.0 43.7 |
| Colorado | 137.1 | 139.1 | 140.2 | 628.7 | 636.2 | 643.1 | 306.8 | 325.0 | 311.6 |
| Boulder-Longmont | 6.1 | 6.4 | 6.4 | 52.7 | 55.1 | 55.0 | 23.9 | 25.0 | 24.1 |
| Colorado Springs | 12.8 | 13.1 | 13.2 | 76.6 | 78.1 | 77.4 | 34.7 | 36.6 | 35.4 |
| Denver | 90.3 | 91.2 | 91.5 | 344.8 | 350.5 | 350.8 | 141.4 | 147.9 | 142.1 |
| onnecticut | 138.4 | 140.3 | 140.9 | 519.8 | 531.0 | 533.9 | 214.4 | 230.5 | 219.1 |
| Bridgeport | 10.6 | 10.9 5.1 | 10.7 5.0 | 60.7 25.8 | 61.8 26.0 | 61.6 | 19.5 | 21.9 | 20.5 |
| Danbury Hartford | 71.0 | 70.4 | 70.5 | 176.2 | 176.8 | 26.2 177.9 | 9.5 87.8 | 10.1 92.6 | 9.3 89.9 |
| New Haven-Meriden | 13.8 | 13.8 | 13.8 | 89.0 | 90.9 | 90.3 | 30.3 | 31.0 | 30.2 |
| New London-Norwich | 3.8 | 3.9 | 3.9 | 36.2 | 36.7 | 36.7 | 35.6 | 36.3 | 36.4 |
| Stamford-Norwalk | 25.1 | 25.7 | 25.9 | 77.3 | 79.2 | 79.8 | 17.8 | 18.0 | 17.4 |
| Waterbury | 3.7 | 3.6 | 3.6 | 27.6 | 27.1 | 27.3 | 12.1 | 12.2 | 11.8 |
|)elaware | 49.2 | 51.1 | 51.2 | 113.6 | 117.1 | 116.7 | 52.9 | 54.7 | 53.8 |
| Dover | 2.2 42.9 | 2.2 44.9 | 2.1 44.6 | 12.2 92.2 | 13.1 95.5 | 12.9 95.6 | 15.6 37.5 | 15.9 38.7 | 15.8 37.8 |
| District of Columbia | 29 2 142.1 | 29.1 143.0 | 29.0 143.6 | 274.3 1,016.4 | 277.6 1,048.9 | 279.0 1,055.7 | 235.5 578.7 | 225.4 591.5 | 233.5 |
| - | | | | | | | | | 589.7 |
| loride Daytona Beach | 432.3 6.9 | 447.3 7.2 | 447.2 | 2,419.4 | 2,552.9 | 2,549.0 | 893.0 | 973.9 | 910.1 |
| Fort Lauderdale | 48.6 | 50.2 | 7.2 50.1 | 55.7 223.9 | 58.4 232.9 | 58.0 231.5 | 20.6 79.7 | 22.9 86.8 | 20.8 80.2 |
| Fort Myers-Cape Coral | 8.8 | 9.1 | 8.9 | 50.7 | 52.5 | 52.3 | 23.8 | 25.9 | 24.3 |
| Gainesville | 5.2 | 5.2 | 5.2 | 35.4 | 37.9 | 37.9 | 36.6 | 36.9 | 37.0 |
| Jacksonville | 56.8 | 57.2 | 57.9 | 178.4 | 185.7 | 186.5 | 60.9 | 66.8 | 61.9 |
| Lakeland-Winter Haven | 8.7 | 8.9 | 8.9 | 49.0 | 52.0 | 51.9 | 23.9 | 27.1 | 24.4 |
| Melbourne-Titusville-Palm Bay | 6.3 | 6.3 | 6.3 | 66.6 | 67.9 | 68.5 | 23.4 | 25.1 | 23.7 |
| Miami | 65.7 | 66.7 | 66.2 | 320.3 | 329.2 | 325.8 | 132.4 | 139.9 | 135.0 |
| Orlando Pensacola | 50.2 6.1 | 52.0 6.2 | 52.7 | 356.2 | 376.0 | 374.2 | 78.3 | 89.7 | 81.0 |
| Sarasota-Bradenton | 12.3 | 12.8 | 6.2 12.7 | 51.7 116.9 | 53.3 122.3 | 53.7 122.2 | 26.4 | 28.8 | 26.4 |
| Tallahassee | 6.3 | 6.6 | 6.6 | 41.7 | 43.5 | 43.5 | 21.8 56.6 | 24.1 57.6 | 21.8 57.9 |
| Tampa-St. Petersburg-Clearwater | 83.4 | 87.7 | 87.8 | 458.1 | 490.0 | 494.6 | 126.5 | 138.0 | 57.9 128.8 |
| West Palm Beach-Boca Raton | 34.2 | 36.1 | 36.2 | 189.6 | 205.3 | 204.4 | 50.5 | 55.8 | 51.6 |

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

| | | Total | | | Mining | | | Construction | |
|------------------------------|--------------|------------------|---------------------------|--------------------------------------|------------------|------------------|--------------|--------------|--------------|
| State and area | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 |
| | | | | | | | | 1 | |
| ieorgia | | 3,865.3 | 3,844.9 | 7.8 | 7.9 | 7.9 | 186.7 | 197.5 | 19 |
| Albany | 58.9 | 59.8 | 59.8 | (²) | (²) | (²) | 3.2 | 3.3 | |
| Athens | | 73.7 | 71.4 | (1) | (1) | (1) | 3.1 | 3.0 | |
| Atlanta | 2,032.3 | 2,111.4 | 2,104.9 | 1.5 | 1.6 | 1.5 | 103.6 | 108.9 | 10 |
| Augusta-Aiken | 195.2 | 199.9 | 197.5 | .4 | 4 | 4 | 11.8 | 12.0 | 1 |
| Columbus | | 122.6 | 122.2 | (1) | (1) | (1) | 5.5 | 5.6 | |
| Macon | 147.5 | 150.5 | 148.1 | 1.1 | 1.0 | 1.0 | 6.4 | 6.0 | |
| Savannah | 132.0 | 136.8 | 136.0 | (¹) | (1) | (1) | 8.1 | 8.8 | |
| Honolulu | | 532.5 402.1 | 527.2 394.4 | (1) (1) | (1) (1) | (1) (1) | 21.7 16.5 | 20.1 14.9 | 2 |
| | | 538.4 | 533.6 | 3.1 | 3.0 | 2.6 | 34.9 | 35.0 | 3 |
| aho | | 210.7 | 209.6 | (1) | (1) | (1) 2.0 | 14.0 | 14.1 | ì |
| Boise City | 202.3 | 210.7 | 203.0 | ١ , , | ` ' | ` ' | , J | '' | |
| mala | 5.922.5 | 6,019.0 | 5.986.4 | 11.0 | 11.0 | 11.0 | 256.9 | 260.0 | 26 |
| nois | | | | 1 /1 | /1. | /11 | 3.5 | 3.4 | 20 |
| Bloomington-Normal | | 82.8 | 82.3 | { i } | {i} | (1) | | 3.7 | |
| Champaign-Urbana | | 96.2 | 96.1 | | | | 3.8 | | |
| Chicago | | 4,262.3 | 4,244.6 | 1.7 | 1.7 | 1.7 | 173.1 | 180.3 | 11 |
| Davenport-Moline-Rock Island | | 183.9 | 182.4 | (' ') | (() | (;) | 10.2 | 10.4 | |
| Decatur | | 57.6 | 57.5 | (!) | (1) | (!) | 4.2 | 4.1 | |
| Kankakee | 43.9 [| 44.8 | 44.9 | (1) | (1) | (1) | 2.1 | 2.1 | |
| Peoria-Pekin | 178.1 | 178.4 | 178.6 | (1) | (1) | (1) | 9.8 | 8.9 | |
| Rockford | | 180.3 | 178.3 | (1) | (1) | (1) | 7.8 | 7.9 | |
| Springfield | | 115.6 | 115.2 | (1) | (1) | (1) | 5.0 | 4.7 | |
| diana | 2,881.0 | 2,960.5 | 2,924.1 | 7.0 | 7.2 | 7.2 | 156.5 | 153.6 | 13 |
| Bloomington | | 61.1 | 59.5 | (1) | (1) | (!) | 3.3 | 3.1 | |
| Elkhart-Goshen | | 125.8 | 123.4 | (1) | (1) | (1) | 5.2 | 5.2 | |
| Evansville-Henderson | | 159.0 | 159.4 | ` ′1.2 | ` ′1.2 | ` 1.2 | 10.9 | 11.1 | |
| | 1 1 | 276.0 | 273.1 | (1) | /11 | (1) | 13.7 | 14.1 | |
| Fort Wayne | | | | (i) | (1) | | 22.5 | 23.3 | |
| Gary | | 274.0 | 270.6 | (') - | | (1) | | | |
| Indianapolis | | 871.3 | 861.6 | .7 | .8 | .8 | 49.4 | 50.3 | |
| Kokomo | | 53.2 | 52.4 | (1) | (;) | (;) | 2.0 | 2.0 | |
| Lafayette | | 93.3 | 92.0 | [(;)] | (;) | (;) | 4.3 | 4.1 | |
| Muncie | | 59.8 | 57.9 | (!) | (1) | (') | 2.6 | 2.5 | |
| South Bend | 135.6 | 138.4 | 136.1 | (1) | (1) | (1) | 7.6 | 7.7 | |
| Terre Haute | 65.7 | 66.8 | 66.5 | .2 | (2) | (2) | 3.3 | 3.5 | |
| wa | | 1,507.2 | 1.476.0 | 2.4 | 2.4 | 2.4 | 70.4 | 71.2 | |
| Cedar Rapids | } 116.1 [| 118.8 | 118.4 | (!) | (†) | (!) | 6.6 | 6.4 | |
| Des Moines | 282.1 | 291.0 | 287.7 | (!) | (1) | (1) | 13.7 | 13.7 | |
| Dubuque | 51.4 | 51.5 | 50.9 | (!) | $\binom{1}{2}$ | (1) | 2.2 | 2.1 | |
| lowa City | 65.0 | 67.9 | 65.3 | (1) | (¹) | (!) | 2.7 | 2.6 | |
| Sioux City | 66.5 | 68.2 | 67.1 | (1) | (1) | (1) | 3.6 | 3.5 | |
| Waterloo-Cedar Falls | | 72.7 | 71.6 | (1) | (1) | (1) | 3.0 | 2.9 | |
| anses | 1,302.6 | 1,352.8 | 1,330.8 | 7.3 | 7.0 | 7.1 | 66.4 | 70.3 | |
| Lawrence | 45.5 | 45.9 | 45.0 | (1) | (1) | (1) | 2.5 | 2.3 | |
| Topeka | 1 | 103.6 | 102.6 | 1 (1) | (1) | (1) | 5.0 | 5.2 | |
| Wichita | | 289.7 | 285.4 | 1.3 | 1.2 | ` 1.2 | 15.5 | 15.9 | |
| | 1.750.0 | 1 000 0 | 1 700 0 | 22.5 | 22.1 | 22.1 | 90.0 | 00.0 | |
| entucky | | 1,802.9 283.3 | 1,790.8 279.9 | 23.5 | 23.1 | 23.1 | 89.2 | 90.2 | ! |
| Lexington | | | 279.9 584.1 | .4 | .3 .7 | .3 .7 | 14.0 | 14.5 | |
| Louisville | | 586.0 | | | | | 30.4 | 30.7 | |
| Owensboro | 44.1 | 45.2 | 45.1 | .3 | .3 | .3 | 3.5 | 3.7 | |
| uisiana | | 1,923.2 | 1,910.7 | 58.5 | 53.4 | 52.6 | 130.7 | 134.1 | 1 |
| Alexandria | | 56.6 | 56.3 | 1 1 | 1.0 | .1 | 3.6 | 3.8 | |
| Baton Rouge | | 303.8 | 301.9 | 1.0 | 1.0 | 1.0 | 34.2 | 35.5 | : |
| Houma | | 79.5 | 79.4 | 7.5 | 6.1 | 5.9 | 4.4 | 4.2 | |
| Lafayette | | 167.2 | 167.0 | 18.5 | 16.3 | 16.1 | 10.1 | 9.8 | |
| Lake Charles | | 86.8 | 86.9 | 1.3 | 1.2 | 1.2 | 11.6 | 10.9 | |
| Monroe | | 70.6 | 70.9 | .2 | .2 | .2 | 3.8 | 3.6 | |
| New Orleans | 623.0 | 624.0 | 622.4 | 15.6 | 14.1 | 13.8 | 34.4 | 35.9 | : |
| Shreveport-Bossier City | | 177.5 | 176.7 | 2.9 | 2.3 | 2.3 | 10.4 | 9.8 | |
| aine | 577.5 | 597.0 | 591.7 | .1 | .1 | .1 | 27.2 | 28.9 | 2 |
| | | 1 | | | 121 | | | | |
| Lewiston-Auburn | 41.8 | 44.4 | 42.9 | (²) (²) | (2) | (2) (2) | 1.7 { | 1.7 | |

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

(in thousands)

| State and acco | M | Manufacturing | | | ansportation ar public utilities | nd i | Wholes | ale and retail | trade |
|--|--------------|---------------|---------------|--------------|-------------------------------------|---------------|----------------|----------------|---------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P |
| Georgia | 589.3 | 593.5 | 590.6 | 243.8 | 255.9 | 257.8 | 929.8 | 950.9 | 951. |
| Albany | 8.7 | 8.5 | 8.6 | 3.4 | 3.9 | 3.9 | 13.8 | 13.9 | 13. |
| Athens | 11.8 | 11.6 | 11.5 | 1.7 | 1.8 | 1.8 | 17.7 | 18.3 | 18. |
| Atlanta | 218.9 | 221.1 | 220.9 | 174.2 | 182.2 | 183.5 | 538.9 | 550.2 | 550. |
| | 41.1 | 40.6 | 40.5 | 6.7 | 7.1 | 7.1 | 42.5 | 43.1 | 43. |
| Augusta-Aiken | 21.2 | 21.0 | 20.6 | 4.2 | 4.4 | 4.4 | 26.3 | 26.7 | 43. 26. |
| Columbus | 19.6 | | 19.4 | 4.2 5.5 | 5.4 | 5.4 | 33.6 | 34.2 | |
| Savannah | 17.6 | 19.4 18.4 | 18.4 | 8.8 | 8.7 | 8.8 | 33.8 | 34.6 | 34. 34. |
| ławeii | 16.6 | 16.2 | 16.4 | 41.4 | 40.5 | 40.4 | 131.3 | 130.4 | 130. |
| Honolulu | 12.7 | 12.5 | 12.5 | 32.9 | 31.9 | 31.8 | 96.1 | 94.9 | 95. |
| deho | 77.9 36.6 | 76 2 36.7 | 77.4 37.2 | 25.5 10.3 | 26.1 11.4 | 26.1 11.4 | 133.7 48.4 | 135.2 48.7 | 134. 48. |
| | 981.3 | 975.5 | 970.5 | 344.1 | 352.9 | 350.0 | 1,338.3 | 1,357.7 | 1,354. |
| Bloomington-Normal | 8.8 | 8.4 | 8.3 | 344.1 | 332.9 | 3.1 | 1,336.3 | 1,357.7 | 17. |
| Champaign-Urbana | 11.3 | 11.5 | 11.4 | 2.7 | 2.5 | 2.6 | 20.4 | 20.6 | 20. |
| | 656.4 | 654.6 | 652.5 | 254.6 | 260.8 | 259.6 | 926.8 | 960.4 | 956. |
| | | | | | | | | | |
| Davenport-Moline-Rock Island | 32.1 | 31.1 | 30.7 | 9.9 | 10.0 | 10.1 | 48.7 | 47.9 | 48. |
| Decatur | 13.7 | 13.6 | 13.4 | 5.0 | 5.3 | 5.3 | 12.3 | 12.1 | 12 |
| Kankakee | 7.8 | 8.1 | 8.2 | 2.0 | 2.2 | 2.2 | 11.0 | 10.9 | 10 |
| Peoria-Pekin | 33.8 | 34.0 | 34.1 | 10.2 | 10.4 | 10.5 | 42.3 | 42.7 | 42 |
| Rockford | 53.3 | 53.1 | 51.0 | 9.0 | 9.0 | 9.0 | 37.4 | 37.1 | 37 |
| Springfield | 4.8 | 4.8 | 4.9 | 4.8 | 4.9 | 4.9 | 23.3 | 23.5 | 23 |
| ndiena Bloomington | 672.5 9.2 | 690.8 9.1 | 685.7 9.5 | 146.0 1.9 | 146.3 1.9 | 146.9 | 694.6 14.3 | 696.8 14.4 | 695 14 |
| Elkhart-Goshen | 61.1 | 64.3 | 63.3 | 2.9 | 3.1 | 3.1 | 23.0 | 23.2 | |
| Evansville-Henderson | 32.3 | 34.0 | 34.0 | 7.4 | 7.5 | 7.5 | 38.1 | 39.3 | 23 |
| Fort Wayne | 73.9 | 75.1 | 75.4 | 13.2 | 13.2 | 13.3 | 64.6 | 64.2 | 38 63 |
| Gary | 50.5 | 49.8 | 49.7 | 14.8 | 14.8 | 14.5 | 63.5 | 63.5 | 63 |
| Indianapolis | 126.3 | 130.8 | 130.5 | 53.0 | 54.5 | 54.6 | 220.5 | 224.8 | 224 |
| Kokomo | 18.4 | 20.7 | 20.5 | 1.2 | 1.1 | 1.1 | 11.5 | 11.7 | |
| Lafayette | 22.3 | 22.4 | 22.4 | 2.4 | 2.4 | 2.4 | 18.8 | 19.3 | 11 |
| | 10.1 | 10.8 | 10.5 | 3.4 | 3.7 | | | | 19 |
| Muncie | | | | | | 3.6 | 13.6 | 14.0 | 13 |
| South Bend Terre Haute | 22.6 12.1 | 22.4 11.9 | 21.5 11.8 | 5.8 2.9 | 5.8 3.1 | 5.8 3.0 | 34.6 18.8 | 34.6 18.3 | 34 18 |
| Telle Hable | 12.1 | 11.9 | 11.8 | 2.9 | 3.1 | 3.0 | 10.0 | 18.3 | 16 |
| owa | 264.5 | 269.3 | 268.5 | 69.9 | 72.6 | 72 4 | 358.1 | 366.4 | 365 |
| Cedar Rapids | 22.4 | 22.6 | 23.1 | 8.6 | 8.5 | 8.6 | 25.6 | 25.8 | 25 |
| Des Moines | 25.0 | 24.8 | 24.8 | 14.7 | 15.4 | 15.7 | 72.7 | 74.3 | 74 |
| Dubuque | 12.4 | 12.1 | 12.0 | 2.0 | 1.9 | 1.9 | 12.6 | 12.7 | 12 |
| lowa City | 5.2 | 5.3 | 5.3 | 2.2 | 2.1 | 2.1 | 13.5 | 13.3 | 13 |
| Sioux City Waterloo-Cedar Falls | 13.8 15.5 | 13.9 14.8 | 14.0 14.6 | 4.0 2.7 | 3.9 2.7 | 3.9 2.7 | 16.1 17.2 | 16 3 17.2 | 16 |
| ansas | 211.9 | 214.0 | 212.7 | 74.0 | 76.7 | 76.4 | 319.9 | 329.6 | 330 |
| Lawrence | 5.4 | 5.3 | 5.4 | 1.3 | 1.3 | 1.3 | 11.7 | 11.7 | 1 |
| Topeka | 10.0 | 10.6 | 10.4 | 5.8 | 5.6 | 5.6 | 22.2 | 22.7 | 22 |
| Wichita | 74.2 | 74.0 | 73.3 | 10.6 | 10.8 | 10.5 | 64.0 | 64.8 | 64 |
| entucky | 320.3 | 317.5 | 319.4 | 102.2 | 105.7 | 105.8 | 418.6 | 431.7 | 429 |
| Lexington | 49.6 | 49.5 | 49.3 | 11.1 | 11.2 | 11.1 | 61.8 | 63.2 | 63 |
| Louisville Owensboro | 89.1 6.9 | 88.0 6.9 | 89.7 6.8 | 42.3 2.4 | 43.3 2.5 | 43.0 2.5 | 138.5 11.1 | 144.0 11.4 | 143 11 |
| ouisiana | 190.9 | 191.5 | 190.9 | 114.4 | 116.3 | 116.2 | 442.3 | 448.0 | 44 |
| Alexandria | 3.6 | 3.4 | 3.4 | 2.8 | 2.9 | 2.9 | 13.1 | 13.5 | 1: |
| Baton Rouge | 24.4 | 24.6 | 24.5 | 13.3 | 13.7 | 13.8 | 69.4 | 70.6 | 70 |
| Houma | 8.8 | 8.5 | 8.5 | 8.9 | 9.0 | 9.1 | 18.5 | 18.9 | 18 |
| Lafayette | 14.8 | 14.7 | 14.6 | 10.2 | 10.3 | 10.3 | 43.5 | 44.1 | |
| Lake Charles | 12.0 | 11.9 | 11.8 | 4.7 | 4.6 | | | | 4 |
| | | | | | | 4.8 | 18.7 | 18.8 | 1. |
| Monroe | 7.6 | 7.9 | 7.9 | 3.8 | 3.7 | 3.8 | 17.3 | 17.7 | 1 |
| New Orleans Shreveport-Bossier City | 49.7 17.0 | 50.0 19.1 | 50.0 19.3 | 42.0 8.4 | 41.5 8.8 | 41.0 8.8 | 154.3 39.7 | 153.1 40.8 | 15 4 |
| laine | 85.9 | 85.6 | 84.1 | 23.9 | 24.7 | 24.7 | 150.8 | 151.3 | 154 |
| Lewiston-Auburn | 7.6 | 7.9 | 7.7 | 1.7 | 1.8 | 1.7 | 10.9 | 11.1 | 10 |
| Portland | 14.6 | 15.4 | 15.4 | 7.0 | 7.2 | 7.2 | 42.0 | 42.9 | 44 |

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

| | | ance, insuran and real estate | | | Services | | | Government | |
|------------------------------|--------------|----------------------------------|---------------|----------------|----------------|----------------|---------------|---------------|---------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 |
| | 202.0 | 209.4 | 211.6 | 1,005.7 | 1,054.4 | 1,052.4 | 565.2 | 595.8 | 574.9 |
| Georgia | | 2.1 | 2.1 | 15.1 | 15.3 | 15.3 | 12.7 | 12.8 | 12.7 |
| Albany | | 2.4 | 2.4 | 16.4 | 16.6 | 16.6 | 18.0 | 20.0 | 17.9 |
| Athens | | 141.4 | 142.9 | 612.7 | 646.0 | 646.2 | 246.3 | 260.0 | 249.9 |
| Atlanta | | 6.5 | 6.4 | 47.5 | 49.3 | 48.3 | 38.8 | 40.9 | 39.7 |
| Augusta-Aiken | | | | 33.0 | 35.0 | 35.5 | 20.0 | 20.9 | 20.3 |
| Columbus | | 9,0 | 9.1 | | | | | 35.2 | 33.8 |
| Macon Savannah | | 9.6 4.6 | 9.5 4.6 | 39.0 38.9 | 39.7 41.1 | 39.1 41.0 | 33.0 20.1 | 20.6 | 19.9 |
| Hawaii Honotulu | | 35.1 28.1 | 35.2 28.1 | 173.0 123.4 | 176.2 127.8 | 176.7 127.1 | 107.1 85.1 | 114.0 92.0 | 107.6 85.1 |
| | | | 23.9 | 128.8 | 132.5 | 133.0 | 96.8 | 106.5 | 100.0 |
| daho | | 23.9 11.5 | 23.9 11.5 | 52.1 | 55.5 | 55.4 | 30.0 | 32.8 | 31.5 |
| Boise City | | 11.5 | 11.5 | JZ. 1 | 55.5 | 33.4 | 30.0 | JE.0 | 31.0 |
| udt. | 4000 | اميييا | 446.7 | 1,796.0 | 1,840.1 | 1,840.7 | 786.0 | 806.9 | 778.7 |
| Illinois | | 414.9 | 416.7 17.3 | 1,796.0 | 21.1 | 21.1 | 11.4 | 12.0 | 11.4 |
| Bloomington-Normal | | 17.1 | | | | | | | |
| Champaign-Urbana | | 4.0 | 4.0 | 21.9 | 21.5 | 21.6 | 31.4 | 32.4 491.0 | 31.9 |
| Chicago | | 323.7 | 324.9 | 1,338.2 | 1,389.8 | 1,388.1 | 484.0 | | 477.8 |
| Davenport-Moline-Rock Island | | 8.4 | 8.4 | 49.4 | 49.5 | 49.5 | 25.5 | 26.6 | 25.0 |
| Decatur | | 2.1 | 2.1 | 13.8 | 13.5 | 13.4 | 6.7 | 6.9 | 7.0 |
| Kankakee | | 1.7 | 1.7 | 12.6 | 12.8 | 12.9 | 6.7 | 7.0 | 6.8 |
| Peoria-Pekin | | 8.1 | 8.1 | 55.2 | 54.8 | 54.9 | 19.0 | 19.5 | 18.8 |
| Rockford | 7.4 | 7.4 | 7.5 | 48.0 | 48.0 | 48.2 | 17.3 | 17.8 | 17.4 |
| Springfield | 8.0 | 7.9 | 7.9 | 35.4 | 35.9 | 35.9 | 33.2 | 33.9 | 33.3 |
| ndiana | | 148.5 | 149.0 | 708.7 | 725.0 | 724.0 | 352.6 | 392.3 | 359. |
| Bloomington | | 2.4 | 2.4 | 13.0 | 13.1 | 13.0 | 15.1 | 17.1 | 15. |
| Elkhart-Goshen | | 3.0 | 3.0 | 18.3 | 18.8 | 18.9 | 7.5 | 8.2 | 6.1 |
| Evansville-Henderson | | 7.7 | 7.7 | 43.9 | 43.3 | 43.7 | 13.9 | 14.9 | 14.8 |
| Fort Wayne | 1 1 | 15.2 | 15.2 | 66.7 | 69.1 | 69.2 | 21.9 | 25.1 | 22.2 |
| Gary | | 9.3 | 9.4 | 74.7 | 74.9 | 75.2 | 35.4 | 38.4 | 35.0 |
| Indianapolis | | 65.9 | 66.8 | 233.6 | 238.4 | 234.2 | 98.6 | 105.8 | 99.0 |
| Kokomo | | 1.5 | 1.5 | 8.9 | 9.5 | 9.5 | 6.0 | 6.7 | 6.0 |
| Lafayette | | 4.4 | 4.4 | 18.5 | 19.9 | 19.6 | 19.8 | 20.8 | 19.7 |
| Muncie | | 2.0 | 2.0 | 15.6 | 16.2 | 16.2 | 7.3 | 10.6 | 9. |
| South Bend | | 7.3 | 7.2 | 45.5 | 46.6 | 46.8 | 12.6 | 14.0 | 12. |
| Terre Haute | 2.3 | 2.3 | 2.3 | 16.7 | 17.0 | 16.9 | 9.3 | 10.7 | 10.7 |
| owa | | 85.9 | 86.1 | 379.4 | 395.7 | 387.9 | 217.1 | 243.7 | 220. |
| Cedar Rapids | | 6.5 | 6.5 | 35.8 | 36.3 | 36.2 | 10.8 | 12.7 | 11. |
| Des Moines | | 40.4 | 40.4 | 82.7 | 87.8 | 86.0 | 32.8 | 34.6 | 32. |
| Dubuque | | 1.9 | 1.9 | 17.2 | 16.8 | 17.1 | 3.1 | 4.0 | 3. |
| lowa City | | 2.3 | 2.2 | 14.9 | 15.2 | 14.5 | 24.3 | 27.1 | 25. |
| Sioux City | 2.7 | 2.8 | 2.8 | 19.1 | 19.8 | 19.4 | 7.2 | 8.0 | 7.: |
| Waterloo-Cedar Falls | 3.3 | 3.0 | 3.0 | 20.7 | 21.1 | 20.9 | 10.3 | 11.0 | 10. |
| Kansas | | 63.4 | 63.7 | 338.4 | 346.2 | 345.9 | 221.6 | 245.6 | 224. |
| Lawrence | | 2.0 | 2.0 | 11.1 | 10.6 | 9.5 | 11.4 | 12.7 | 12. |
| Topeka | | 6.7 | 6.7 | 30.1 | 30.9 | 31.1 | 21.6 | 21.9 | 20. |
| Wichita | 11.8 | 11.7 | 11.7 | 77.3 | 77.9 | 77.7 | 29.7 | 33.4 | 30.2 |
| Centucky | | 72.0 | 72.0 | 448.7 | 465.8 | 463.9 | 279.8 | 296.9 | 285. |
| Lexington | | 10.7 | 10.7 | 76.2 | 78.9 | 78.7 | 49.8 | 55.0 | 51. |
| Louisville |] 30.2 | 30.3 | 30.7 | 169.7 | 177.4 | 176.2 | 67.9 | 71.6 | 69. |
| Owensboro | 1.9 | 2.0 | 2.0 | 11.1 | 11.5 | 11.5 | 6.9 | 6.9 | 6. |
| ouisiana | | 87.7 | 87.6 | 515.5 | 523.1 | 525.4 | 360.5 | 369.1 | 359. |
| Alexandria | | 2.4 | 2.4 | 16.7 | 16.8 | 16.9 | 12.9 | 13.7 | 13. |
| Baton Rouge | | 18.6 | 18.6 | 75.3 | 79.2 | 79.0 | 55.4 | 60.6 | 58. |
| Houma | | 2.0 | 2.0 | 16.7 | 16.6 | 16.6 | 14.1 | 14.2 | 14. |
| Lafayette | | 6.5 | 6.5 | 41.5 | 42.2 | 42.3 | 23.1 | 23.3 | 23. |
| Lake Charles | | 2.5 | . 2.5 | 24.0 | 23.5 | 23.4 | 13.6 | 13.4 | 13. |
| Monroe | | 5.4 | 5.4 | 19.2 | 19.4 | 19.4 | 12.4 | 12.7 | 12. |
| New Orleans | | 32.1 | 32.0 | 195.4 | 191.4 | 194.8 | 99.7 | 105.9 | 103. |
| Shreveport-Bossier City | | 6.5 | 6.6 | 55.1 | 56.7 | 56.4 | 32.8 | 33.5 | 32. |
| Maine | | 31.6 | 31.6 | 177.1 | 179.0 | 184.6 | 81.8 | 95.8 | 82.9 |
| Lewiston-Auburn | | 2.4 i 13.3 | 2.4 | 13.8 | 14.5 | 14.8 | 3.8 | 5.0 | 3. |
| Portland | 13.2 | | 13.2 | 45.8 | 46.2 | 46.6 | 17.3 | 19.2 | 17. |

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

(In thousands)

| | | Total | İ | | Mining | | | Construction | |
|--|--------------|------------------|------------------|-------------------------|-------------------------|------------------------|--------------|--------------|--------------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P |
| Maryland | 2.337.0 | 2,397.7 | 2.386.2 | 1.3 | 1.4 | 1.4 | 147.1 | 147.8 | 149.7 |
| Baltimore PMSA | | 1,214.8 | 1,207.2 | .4 | .4 | 4 | 66.4 | 65.8 | 66.6 |
| Baltimore City | | 409.7 | 409.6 | (1) | (1) | (1) | 12.5 | 13.3 | 13.6 |
| Suburban Maryland-D.C. | | 886.2 | 885.7 | (1) | (1) | (1) | 64.6 | 65.5 | 66 2 |
| Massachusetts | | 3,257.0 | 3,221.9 | 1.4 | 1.4 | 1.4 | 116.6 | 120.2 | 123.7 |
| Barnstable-Yarmouth | | 66.1 | 70.0 | (1) | (1) | (1) | 2.8 | 2.9 | 3.0 |
| Boston | | 1,993.0 | 1,975.3 | (2) .5 | (2) .4 | .34 | 66.2 | 68.3 | 70 5 |
| Brockton Fitchburg-Leominster | | 99.1 53.8 | 97.8 52.4 | (2) | (2) | (²) | 3.9 2.0 | 4.3 2.0 | 4.5 2.2 |
| Lawrence | 1 | 155.7 | 152.3 | (2) | (2) | (2) | 6.2 | 6.4 | 6.5 |
| Lowell | | 123.0 | 120.8 | - 715 I | }1\ | 715 | 5.5 | 5.8 | 5.9 |
| New Bedford | | 67.6 | 66.7 | (2) | 24 | (2) | 2.7 | 2.7 | 2.9 |
| Pittsfield | | 44.2 | 44.2 | ` ' .1 | .1 | `′.1 | 2.0 | 2.0 | 2.0 |
| Springfield | | 257.3 | 251.0 | .1 | .1 | .1 | 8.6 | 8.7 | 9.0 |
| Worcester | 228.1 | 231.9 | 228.1 | .2 | .2 | .2 | 7.7 | 7.8 | 8.0 |
| Michigan | | 4,608.8 | 4,526.2 | 8.2 | 8.0 | 8.0 | 200.5 | 206.2 | 212.2 |
| Ann Arbor | | 276.7 | 272.2 | (!) | (1) | (1) | 11.6 | 11.4 | 11.7 |
| Benton Harbor | | 72.2 | 71.7 | (1) | (1) | (1) | 2.6 | 2.6 | 2.8 |
| Detroit | | 2,168.0 | 2,125.0 | .19 | , 1.0 | 1.0 | 88.7 | 94.2 | 97.2 |
| Flint | | 177.9 | 172.1 | { ; } | - 83 | (;) | 8.6 | 9.0 | 9.6 |
| Grand Rapids-Muskegon-Holland Jackson | | 589.2 63.1 | 581.8 | \\ \tag{1} | - 12 | (1) | 29.0 | 30.4 | 31.0 |
| Kalamazoo-Battle Creek | | 212.6 | 62.1 209.4 | \ \ \ \ \ \ | \ \ \ \ \ | 11 | 2.8 9.7 | 2.8 9.5 | 2.9 9. 8 |
| Lansing-East Lansing | | 231.6 | 228.7 | 71(| - }+(| } 1{ | 10.1 | 9.7 | 10.0 |
| Saginaw-Bay City-Midland | 171.8 | 182.7 | 180.9 | (1) | (1) | (1) | 9.7 | 9.3 | 9.9 |
| Minnesota | 2.566.8 | 2.648.6 | 2,616.1 | 8.7 | 8.4 | 8.5 | 115.2 | 120.4 | 124.4 |
| Duluth-Superior | | 117.2 | 116.8 | 5.0 | 4.7 | 4.7 | 4.8 | 4.9 | 5.3 |
| Minneapolis-St. Paul | | 1,722.1 | 1.707.1 | (2) | (2) | 121 | 70.5 | 75.1 | 76.7 |
| Rochester | | 81.8 | 81.4 | (1) | - (1) | (1) | 3.5 | 3.7 | 3.8 |
| St. Cloud | | 88.0 | 86.7 | (1) | (1) | (1) | 4.9 | 5.1 | 5.1 |
| Mississippi Jackson | | 1.133.3 230.1 | 1,125.9 229.7 | 6.4 (²) | 6.1 (²) | 6.2 | 56.4 11.7 | 57.6 12.3 | 57.9 12.7 |
| Missouri | 2,674.2 | 2,727.5 | 2,705.6 | 4.9 | 5.1 | 5.2 | 138.1 | 138.0 | 143.0 |
| Kansas City | | 973.3 | 966.8 | (1) | (1) | (1) | 51.2 | 53.5 | 53.8 |
| St. Louis | 1,297.7 | 1,330.1 | 1,325.3 | (1) | (1) | (1) | 72.4 | 73.3 | 75.5 |
| Springfield | 160.7 | 166.8 | 164.4 | (1) | (1) | (1) | 7.3 | 7.7 | 7.7 |
| Montene | 376.4 | 384.4 | 383.9 | 5.3 | 5.3 | 5.3 | 20.9 | 20.8 | 21.7 |
| Nebraska | | 887.0 | 880.1 | 1.2 | 1.2 | 1.2 | 45.0 | 43.9 | 44.9 |
| Lincoln Omaha | | 151.3 409.1 | 150.6 406.6 | (1) | (1) | (¹) (¹) | 7.3 | 7.5 | 7.8 |
| Omana | 405.7 | | 400.0 | (') | (') | (·) | 21.6 | 20.9 | 21.2 |
| Nevada | | 966.4 | 966.7 | 13.5 | 13.0 | 12.5 | 87.2 | 88.6 | 89.7 |
| Las Vegas Reno | | 694.8 187.6 | 696.2 186.9 | 2.2 | 2.2 .5 | 2.1 .5 | 68.7 14.0 | 70.1 13.7 | 71.0 13.9 |
| | | | | 1 | | | | | |
| New Hampshire | | 606.3 | 601.2 | .15 | .15 | .5 | 24.6 | 25.2 | 25.6 |
| Manchester Nashua | | 102.2 | 100.5 94.2 | (1) | (;) | {;} | 4.8 | 4.8 | 4.9 |
| Portsmouth-Rochester | 117.0 | 95.5 119.8 | 119.2 | (i) | (i) | (i) | 3.2 4.1 | 3.3 4.2 | 3.3 4.3 |
| New Jersey | 3,824.0 | 3,917.2 | 3.891.6 | 2.1 | 2.1 | 2.0 | 142.0 | 142.0 | 143.6 |
| Atlantic-Cape May | | 194.6 | 199.1 | (1) | (1) | (1) | 6.7 | 6.8 | 6.3 |
| Bergen-Passaic | 651.9 | 672.1 | 662.9 | (1) | (!) | (1) | 24.6 | 24.2 | 24.6 |
| Camden | 482.5 | 499.5 | 492.6 | | (!) | (1) | 23.4 | 23.5 | 23.2 |
| Jersey City | | 249.1 | 246.2 | (1) | (¹) _ | (1) | 5.5 | 5.4 | 5.4 |
| Middlesex-Somerset-Hunterdon | | 637.7 | 630.7 | .5 | .5 | .5 | 20.3 | 20.6 | 20.8 |
| Monmouth-Ocean | | 389.2 | 391.5 | (1) | (¹) | (¹) | 19.6 | 19.4 | 19.8 |
| Newark Treaton | | 991.5 201.5 | 981.7 | .8 | .9 (¹) | (1) | 34.2 | 34.2 | 34.4 |
| Trenton Vineland-Millville-Bridgeton | | 60.0 | 199.8 58.5 | .2 | 3.3 | (¹) .3 | 4.9 2.3 | 5.0 2.1 | 5.0 2.2 |
| New Mexico | 719.6 | 734.2 | 729.3 | 15.1 | 13.7 | 13.5 | 45.2 | 44.5 | 44.0 |
| Albuquerque | | 346.4 | 344.2 | (!) | (1) | (1) | 22.3 | 22.0 | 44.9 22.2 |
| Las Cruces | | 52.1 | 51.0 | (1) (1) | (1) (1) | (1) | 3.4 | 3.3 | 3.3 |
| Santa Fe | 74.1 | 74.6 | 74.9 | | | | 3.8 | 3.7 | |

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

| | ^ | Manufacturing | | | ansportation a public utilities | nd | Wholesale and retail trade | | | |
|-------------------------------|---------------|---------------|---------------------------|--------------|------------------------------------|---------------------------|----------------------------|---------------|---------------|--|
| State and area | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999P | |
| Weryland | 175.9 | 177.9 | 178.1 | 107.5 | 113.3 | 112.1 | 547.8 | 552.6 | 552.8 | |
| Baltimore PMSA | 97.9 | 100.0 | 100.1 | 57.2 | 59.5 | 59.4 | 273.4 | 273.9 | 273.0 | |
| Baltimore City | 27.8 | 29.5 | 29.5 | 19.5 | 20.5 | 20.5 | 64.1 | 65.4 | 65.4 | |
| Suburban Maryland-D.C. | 39.6 | 40.4 | 40.7 | 36.2 | 37.9 | 37.9 | 199.8 | 204.7 | 205.1 | |
| Massachusetts | 446.8 | 438.7 | 432.3 | 134.0 | 140.1 | 134.7 | 729.5 | 743.7 | 745.2 | |
| Barnstable-Yarmouth | 2.1 | 2.2 | 2.2 | 3.1 | 3.2 | 3.2 | 24.8 | 23.4 | 26.1 | |
| Boston | 223.6 | 217.1 | 214.1 | 84.2 | 87.6 | 85.3 | 416.9 | 427.8 | 425. | |
| Brockton | 10.3 | 10.2 | 9.8 | 4.6 | 4.7 | 4.4 | 32.4 | 33.2 | 33.4 | |
| Fitchburg-Leominster | 13.6 | 13.6 | 13.3 | 1.8 | 2.0 | 1.9 | 12.2 | 12.8 | 12. | |
| Lawrence | 38.2 | 37.6 | 37.0 | 4.9 | 5.6 | 5.2 | 35.6 | 37.2 | 37.0 | |
| Lowell | 28.6 | 28.5 | 28.2 | 6.7 | 7.6 | 7.5 | 24.9 | 26.0 | 25. | |
| New Bedford | 13.0 | 13.0 | 12.8 | 3.5 | 3.9 | 3.7 | 17.0 | 17.6 | 17. | |
| Pittsfield | 7.4 | 7.4 | 7.4 | 1.2 | 1.3 | 1.3 | 10.6 | 10.8 | 10.8 | |
| Springfield | 38.9 | 38.8 | 38.7 | 9.6 | 9.9 | 9.6 | 59.0 | 60.2 | 60. | |
| Worcester | 41.0 | 40.9 | 40.8 | 9.5 | 9.6 | 9.4 | 52.1 | 52.5 | 52. | |
| Michigen | 891.7 | 966.5 | 943.9 | 178.8 | 181.6 | 179.9 | 1,072.2 | 1,093.0 | 1,091.3 | |
| Ann Arbor | 48.3 | 52.9 | 52.0 | 6.5 | 6.6 | 6.6 | 54.8 | 56.0 | 55.9 | |
| Benton Harbor | 18.5 | 19.6 | 19.4 | 2.9 | 3.0 | 3.0 | 16.5 | 16.6 | 16. | |
| Detroit | 399.9 | 439.1 | 423.1 | 95.7 | 96.8 | 96.0 | 495.2 | 507.9 | 509. | |
| Flint | 20.2 | 36.6 | 35.4 | 5.5 | 6.0 | 6.1 | 44.6 | 45.0 | 44. | |
| Grand Rapids-Muskegon-Holland | 151.2 | 161.6 | 160.2 | 19.4 | 19.8 | 20.0 | 141.1 | 147.7 | 146. | |
| Jackson | 12.2 | 12.8 | 12.6 | 3.5 | 3.6 | 3.6 | 15.7 | 16.2 | 16.0 | |
| Kalamazoo-Battle Creek | 47.6 | 49.8 | 49.1 | 7.4 | 7.6 | 7.6 | 47.1 | 47.6 | 47. | |
| Lansing-East Lansing | 19.4 | 28.6 | 28.2 | 6.1 | 6.0 | 6.1 | 51.9 | 52.8 | 52. | |
| Saginaw-Bay City-Midland | 33.6 | 40.4 | 39.8 | 6.9 | 7.3 | 7.2 | 45.7 | 45.8 | 46.0 | |
| Minnesota | 449.7 | 445.7 | 448.1 | 127.1 | 131.4 | 129.0 | 621.2 | 634.5 | 633.3 | |
| Duluth-Superior | 8.6 | 8.8 | 8.8 | 7.9 | 7.9 | 7.9 | 28.4 | 28.5 | 28.0 | |
| Minneapolis-St. Paul | 280.0 | 284.1 | 284.5 | 90.8 | 95.7 | 94.9 | 396.6 | 407.6 | 408.5 | |
| Rochester | 13.9 | 13.7 | 13.9 | 2.3 | 2.4 | 2.1 | 15.6 | 16.1 | 16.2 | |
| St. Cloud | 16.2 | 16.1 | 16.3 | 3.3 | 3.5 | 3.4 | 25.9 | 26.3 | 26.2 | |
| Mississippi | 243.9 | 241.8 | 239.6 | 54.0 | 54.8 | 54.5 | 246.6 | 245.7 | 244.7 | |
| Jackson | 20.0 | 20.7 | 20.6 | 16.3 | 16.9 | 16.5 | 55.7 | 54.3 | 54.0 | |
| Aissouri | 410.7 | 415.8 | 412.8 | 164.3 | 166.5 | 165.3 | 635.6 | 642.3 | 641. | |
| Kansas City | 102.4 | 109.7 | 109.7 | 75.3 | 78.6 | 78.5 | 232.3 | 235.5 | 235. | |
| St. Louis | 187.5 | 192.9 | 192.2 | 82.0 | 83.3 | 82.2 | 310.5 | 315.0 | 316.8 | |
| Springfield | 23.8 | 23.9 | 24.1 | 10.9 | 11.6 | 11.4 | 45.4 | 45.9 | 45.9 | |
| Montane | 24.9 | 24.6 | 24.9 | 21.5 | 22.0 | 21.8 | 103.6 | 104.3 | 105.0 | |
| | | | | | | | | | | |
| Vebraska | 119.7 18.0 | 117.7 | 118.4 | 56.2 9.9 | 59.5 | 59.8 | 212.4 | 212.1 | 212.9 | |
| Lincoln Omaha | 40.5 | 17.6 39.4 | 17.9 39.2 | 29.6 | 10.0 31.3 | 10.0 31.3 | 30.6 96.9 | 31.4 98.6 | 31. 98. | |
| Official | -0.5 | 39.4 | 33.2 | 29.0 | 31.3 | 31.3 | 30.9 | 30.0 | 30. | |
| levada | 42.5 | 43.1 | 43.1 | 48.1 | 49.8 | 50.6 | 190.1 | 198.6 | 200. | |
| Las Vegas | 22.7 | 23.6 | 23.6 | 34.8 | 36.0 | 36.5 | 138.6 | 144.0 | 144. | |
| Reno | 13.9 | 13.9 | 13.9 | 11.6 | 12.3 | 12.6 | 41.0 | 43.0 | 43. | |
| New Hempehire | 105.6 | 106.7 | 105.4 | 20.4 | 21.8 | 21.2 | 156.5 | 157.2 | 160. | |
| New Hampshire Manchester | 14.7 | 15.1 | 15.1 | 5.8 | 6.1 | 6.1 | 24.3 | 25.4 | 25. | |
| Nashua | 27.6 | 27.4 | 27.1 | 2.7 | 3.1 | 3.0 | 23.0 | 23.0 | 22. | |
| Portsmouth-Rochester | 17.9 | 18.4 | 18.2 | 4.0 | 4.0 | 3.9 | 31.9 | 32.7 | 33. | |
| | | | | | | | | | | |
| New Jersey | 473.3 6.3 | 469.6 6.2 | 464.3 6.0 | 256.8 | 265.5 | 258.1 | 893.5 | 917.6 | 915. | |
| Atlantic-Cape May | | | | 6.7 | 6.9 | 6.6 | 46.5 | 43.9 | 46. | |
| Bergen-Passaic Camden | | 103.8 54.3 | 100.7 54.3 | 35.7 22.6 | 37.4 22.9 | 36.9 22.5 | 176.1 | 181.8 | 177. | |
| Jersey City | | 27.6 | 26.8 | 29.4 | 30.4 | 29.7 | 126.7 56.7 | 131.9 58.2 | 130. 57. | |
| Middlesex-Somerset-Hunterdon | | 91.4 | 89.4 | 48.7 | 48.9 | 47.3 | 142.2 | 146.8 | 145. | |
| Monmouth-Ocean | | 20.5 | 20.4 | 19.3 | 19.9 | 19.1 | 104.7 | 105.5 | 107. | |
| Newark | 132.3 | 133.5 | 132.0 | 81.8 | 85.4 | 83.1 | 192.6 | 199.7 | 197. | |
| Trenton | 17.7 | 16.4 | 16.7 | 7.2 | 7.4 | 7.3 | 32.2 | 33.5 | 33. | |
| Vineland-Millville-Bridgeton | 13.1 | 12.6 | 13.0 | 2.6 | 2.8 | 2.6 | 11.7 | 11.7 | 11. | |
| New Mexico | 44.4 | 43.6 | 433 | 20 4 | 32 5 | 22.0 | 1700 | 174 7 | 474 | |
| New Mexico Albuquerque | 28.4 | 27.7 | 27.7 | 32.4 15.7 | 33.5 16.8 | 33.2 16.8 | 172.2 82.2 | 174.7 83.1 | 174. 82. | |
| | | | | | | | | | | |
| Las Cruces | 2.9 | 2.9 | 2.9 | 1.8 | 2.1 | 1.9 | 11.0 | 10.9 | 10.9 | |

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

(In thousands)

| • | | ance, insuranc and real estate | ж е. | | Services | | Government | | |
|-----------------------------------|--------------|-----------------------------------|---------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|---------------------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p |
| Marytand | 136.2 | 138.2 | 139.4 | 803.2 | 822.1 | 828.7 | 418.0 | 444.4 | 424.0 |
| Baltimore PMSA | 74.5 | 75.9 | 76.1 | 411.5 | 420.3 | 422.8 | 208.8 | 219.0 | 208.8 |
| Baltimore City | 34.1 | 35.7 | 36.0 | 156.6 | 158.5 | 160.2 | 86.7 | 86.8 | 84.4 |
| Suburban Maryland-D.C. | 51.5 | 53.0 | 53.3 | 308.1 | 313.6 | 315.9 | 160.9 | 171.1 | 166.6 |
| Aassachusetts | 219.2 | 223.6 | 224.0 | 1,141.3 | 1,166.8 | 1,169.1 | 390.1 | 422.5 | 391.5 |
| Barnstable-Yarmouth | | 3.0 | 3.0 | 23.3 | 22.9 | 24.0 | 7.6 | 8.5 | 8.5 |
| Boston | 164.7 | 168.2 | 168.9 | · 769.9 | 784.4 | 784.7 | 222.4 | 239.2 | 226.1 |
| Brockton | | 3.2 | 3.2 | 25.7 | 26.3 | 25.9 | 15.5 | 17.2 | 16.6 |
| Fitchburg-Leominster | | 1.5 | 1.5 | 13.1 | 13.2 | 13.2 | 7.2 | 8.7 | 7.6 |
| Lawrence | | 4.8 | 4.8 | 44.3 | 44.6 | 44.4 | 17.0 | 19.5 | 17.4 |
| Lowell New Podford | 3.4 | 3.5 1.8 | 3.5 1.8 | 34.2 17.6 | 35.3 | 35.5 | 13.8 9.4 | 16.3 10.2 | 14.4 9.5 |
| New Bedford Pittsfield | 1.9 | 2.0 | 2.0 | 15.2 | 18.4 15.2 | 18.5 15.7 | 4.8 | 5.4 | 4.9 |
| Springfield | | 13.1 | 13.0 | 78.7 | 79.9 | 78.9 | 41.7 | 46.6 | 41.7 |
| Worcester | 14.3 | 14.2 | 14.0 | 68.6 | 71.9 | 72.0 | 34.7 | 34.8 | 31.7 |
| | | ļ | | | | | | i | |
| lichigen | 212.7 | 211.9 | 213.1 | 1,247.8 | 1,286.9 | 1,274.1 | 599.1 | 654.7 | 603.8 |
| Ann Arbor | 10.4 | 10.4 | 10.5 | 67.7 | 70.0 | 69.5 | 65.1 | 69.4 | 66.0 |
| Benton Harbor | 2.3 | 2.3 | 2.3 | 19.3 | 19.4 | 19.6 | 8.0 | 8.7 | 7.9 |
| Detroit Flint | 114.3 | 113.7 6.7 | 115.0 6.7 | 656.6 48.4 | 676.4 49.1 | 669.2 48.4 | 211.2 21.2 | 238.9 25.5 | 214.4 21.1 |
| Grand Rapids-Muskegon-Holland | | 25.3 | 25.2 | 144.3 | 148.9 | 148.8 | 47.6 | 55.5 55.5 | 49.9 |
| Jackson | 1.9 | 1.9 | 1.9 | 15.1 | 15.4 | 15.3 | 9.6 | 10.4 | 9.8 |
| Kalamazoo-Battle Creek | 10.5 | 10.1 | 10.2 | 53.6 | 55.1 | 54.4 | 30.4 | 32.9 | 30.8 |
| Lansing-East Lansing | 14.2 | 14.8 | 14.8 | 57.2 | 58.9 | 58.5 | 58.3 | 60.8 | 58.8 |
| Saginaw-Bay City-Midland | 6.8 | 7.0 | 7.2 | 48.5 | 50.5 | 50.2 | 20.6 | 22.4 | 20.6 |
| | l l | | | | } | | | 1 | |
| linnesota | 158.9 | 160.3 | 160.9 | 736.2 | 757.0 | 757.0 | 349.8 | 390.9 | 354.9 |
| Duluth-Superior | 3.5 125.4 | 3.6 | 3.7 | 34.2 492.3 | 34.7 505.7 | 34.9 508.1 | 22.7 204.5 | 24.1 | 22.9 203.5 |
| Minneapolis-St. Paul Rochester | 2.4 | 129.5 2.4 | 130.3 | 34.3 | 36.2 | 36.5 | 6.5 | 7.3 | 6.5 |
| St. Cloud | 3.3 | 3.4 | 3.4 | 20.8 | 21.9 | 21.5 | 10.8 | 11.7 | 10.8 |
| Niseiseipp i | 42.8 | 42.5 | 42.8 | 263.4 | 263 9 | 264.1 | 213.9 | 220.9 | 216.1 |
| Jackson | 16.0 | 16.5 | 16.5 | 60.8 | 60.9 | 60.8 | 45.5 | 47.5 | 47.6 |
| fissouri | 163.5 | 167.6 | 168.7 | 769.2 | 770.4 | 771.3 | 387.9 | 421.8 | 398.2 |
| Kansas City | 68.1 | 69.8 | 70.0 | 284.0 | 287.5 | 287.9 | 127.7 | 138.7 | 131.4 |
| St. Louis | | 83.8 | 84.8 | 421.3 | 432.3 | 432.8 | 140.6 | 149.5 | 141.0 |
| Springfield | 7.5 | 7.7 | 7.7 | 48.8 | 49.9 | 50.0 | 17.0 | 20.1 | 17.6 |
| Montana | 17.3 | 17.7 | 17.9 | 111.5 | 114.0 | 115.4 | 71.4 | 75.7 | 71.9 |
| lebraska | 58.3 | 59.4 | 59.4 | 241.4 | 240.9 | 239.7 | 145.0 | 152.3 | 143.8 |
| Lincoln | 99 | 10.5 | 10.6 | 40.0 | 41.3 | 40.9 | 31.9 | 33.0 | 32.3 |
| Omaha | 34.2 | 34.5 | 34.5 | 134.8 | 134.1 | 133.1 | 48.1 | 50.3 | 48.6 |
| lavada | 40.7 | 45.5 | 45.0 | 204 5 | ,,,,, | ,,,,, | 405.4 | 1115 | |
| levada Las Vegas | 43.7 32.8 | 45.5 34.4 | 45.6 34.6 | 394.5 291.8 | 413.0 311.8 | 415.0 312.9 | 105.1 65.7 | 114.8 72.7 | 110.2 70.6 |
| Reno | | 8.6 | 8.6 | 72.5 | 71.6 | 71.9 | 21.8 | 24.0 | 70.6 22.1 |
| 110000 | "," | J. J | 0.0 | , | ' | , , | 2,.5 | 24.5 | دد. ا |
| lew Hampshire | | 32.1 | 32 1 | 179.1 | 183.3 | 184.4 | 70.6 | 79.5 | 72.0 |
| Manchester | 7.3 | 7.0 | 7.0 | 32.1 | 32.5 | 31.5 | 9.7 | 11.3 | 10.5 |
| Nashua | | 5.6 | 5.6 | 23.9 | 24.5 | 24.7 | 7.0 | 8.6 | 7.6 |
| Portsmouth-Rochester | 6.6 | 6.8 | 6.8 | 33.5 | 33.3 | 33.8 | 19.0 | 20.4 | 19.1 |
| lew Jersey | 251.4 | 259.3 | 261.0 | 1,250.3 | 1,283.9 | 1,290.8 | 554.6 | 577.2 | 556.1 |
| Atlantic-Cape May | | 6.3 | 64 | 96.6 | 95.3 | 97.8 | 29.0 | 29.2 | 29.3 |
| Bergen-Passaic | 37.7 | 38.4 | 38.8 | 205.9 | 215.4 | 214.2 | 67.9 | 71.1 | 69.8 |
| Camden | 25.3 | 27.4 | 27.4 | 156.0 | 158.9 | 160.2 | 74.0 | 80.6 | 74.2 |
| Jersey City | | 28.3 | 28.5 | 58.8 | 60.7 | 59.9 | 38.8 | 38.5 | 38.9 |
| Middlesex-Somerset-Hunterdon | | 47.8 | 47.9 | 192.8 | 203.2 | 203.2 | 74.1 | 78.5 | 76. |
| Monmouth-Ocean | | 19.0 | 19.3 | 136.9 | 138.2 | 141.0 | 63.6 | 66.7 | 64.4 |
| Newark | | 77.2 11.3 | 77.9 11.5 | 311.8 73.7 | 318.7 76.2 | 318.6 75.8 | 140.4 50.0 | 141.9 51.7 | 136.9 50.0 |
| Trenton | 1 | 2.9 | 2.9 | 12.9 | 13.5 | 75.8 13.3 | 13.0 | 14.1 | 12.7 |
| Vineland-Millville-Bridgeton | 1 | i i | | | | | | | |
| • | 200 | 32.0 | 33.0 | 205.0 | 2122 | 212/ | 1700 | 179 1 l | 172 1 |
| lew Mexico | | 32.9 17.5 | 33.0 17.6 | 205.8 108.4 | 213.2 112.5 | 213.4 111.8 | 172.3 64.8 | 178.1 66.8 | 173.1 65.2 |
| • | 17.0 | | 33.0 17.6 2.1 | 205.8 108.4 13.0 | 213.2 112.5 14.1 | 213.4 111.8 14.1 | 172.3 64.8 16.7 | 178.1 66.8 16.8 | 173.1 65.2 15.8 |

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

| | | Total | | | Mining | | 1 | Construction | |
|---|-------------------------------|--------------|---------------|--------------|--------------------------|----------------|--------------|--------------|---------------------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P |
| 2 | | | | | | | 200.7 | 244.0 | 200.0 |
| ew York ³ | | 8,448.1 | 8,381.7 | 4.9 | 4.8 | 4.8 | 300.7 | 314.3 | 322.3 |
| Albany-Schenectady-Troy | | 447.5 | 439.5 | 6 | 6 | .6 | 17.7 | 17.7 | 18.4 |
| Binghamton | | 116.4 | 114.1 | (;) | | (!) | 4.5 | 4.5 | 4.8 |
| Buffalo-Niagara Falls | | 552.3 | 544.7 | (;) | (!) | (!) | 21.9 | 21.9 | 22.7 |
| Dutchess County |] 107.6 | 112.8 | 111.0 | (() | (()] | (!) | 4.5 | 4.5 | 4.7 |
| Elmira | | 44.4 | 43.3 | (!) | (!) | (!) | 2.1 | 2.0 | 2.1 |
| Glens Falls | 53.5 | 53.7 | 53.8 | (1) | (1) | (1) | 2.2 | 2.2 | 2.2 |
| Nassau-Suffolk | 1.148.6 | 1,196.7 | 1,175.3 | (1) | (1) | (1) | 56.1 | 60.5 | 61.7 |
| New York PMSA3 | 4,062.7 | 4.154.1 | 4,153.5 | (1) | (1) | $\binom{1}{i}$ | 130.5 | 138.2 | 141.1 |
| New York City ³ | 3,536.1 | 3,611.1 | 3,615.3 | .3 | 2 | .2 | 102.6 | 108.5 | 110.9 |
| Newburgh | | 129.1 | 127.4 | (1) | (1) | (1) | 4.7 | 4.8 | 4.9 |
| Rochester | I I | 548.9 | 539.1 | . 4 | . 4 | ` .4 | 20.6 | 20.1 | 20.8 |
| Rockland County | | 109.7 | 107.7 | (1) | (1) | (1) | 4.5 | 5.2 | 5.3 |
| Syracuse | _ 1 | 346.1 | 341.2 | (1) | 1 714 | 715 | 14.9 | 14.9 | 15.6 |
| | | 133.0 | 133.6 | - (1) | 1 }1{ | (1) | 4.2 | 3.9 | 4.3 |
| Utica-Rome | | 410.6 | 407.8 | - 715 | |)1(| 21.3 | 22.5 | 22.9 |
| Westchester County | 399.6 | 410.6 | 407.8 | () | (') | (-) | 21.3 | 22.5 | 22.5 |
| orth Carolina | | 3,840.8 | 3,789.4 | 4.0 | 4.1 | 4.1 | 220.2 | 219.7 | 219.3 |
| Asheville | | 111.5 | 110.1 | (!) | | (!) | 6.6 | 6.5 | 6.6 |
| Charlotte-Gastonia-Rock Hill | | 795.0 | 788.8 | (!) | (\cdot,\cdot) | (!) | 49.7 | 50.8 | 50.9 |
| GreensboroWinston-SalemHigh Point | | 658.6 | 646.2 | (!) | (!) | (;) | 34.1 | 33.8 | 33.6 |
| Raleigh-Durham-Chapel Hill | 647.6 | 671.7 | 664.6 | (1) | (') | (,) | 39.0 | 41.1 | 41.1 |
| orth Dakota | | 320.8 | 317.2 | 4.2 | 3.9 | 4.0 | 17.9 | 18.0 | 18.6 |
| Bismarck | | 51.4 | 50.4 | (!) | (1) | (',') | 3.0 | 3.1 | 3.1 |
| Fargo-Moorhead | | 98.9 | 97.9 | (1) | (1) (1) | (!) | 6.9 | 6.6 | 6.9 |
| Grand Forks | 47.0 | 48.2 | 47.6 | (1) | (1) | (1) | 3.6 | 3.7 | 3.9 |
| nio | | 5,580.0 | 5,522.6 | 13.5 | 13.2 | 13.2 | 247.5 | 242.7 | 250.7 |
| Akron | 320.9 | 328.5 | 326.6 | .5 | .5 | .5 | 14.6 | 15.0 | 15.4 |
| Canton-Massillon | 183.2 | 188.3 | 188.0 | .6 | .5 | .5 | 9.3 | 10.0 | 10.3 |
| Cincinnati | 865.1 | 893.6 | 889.7 | .7 | .7 | .6 | 41.2 | 41.4 | 42.1 |
| Cleveland-Lorain-Elyria | 1,151 0 | 1,171.7 | 1,162.7 | .9 | .9 | 1.0 | 48.4 | 47.8 | 49.5 |
| Columbus | | 854.3 | 850.1 | .6 | .5 | .5 | 37.6 | 37.7 | 38.6 |
| Dayton-Springfield | 464.4 | 482.0 | 473.7 | .4 | .4 | .4 | 18.6 | 18.7 | 19.2 |
| Hamilton-Middletown | | 123.3 | 122.0 | (1) I | (1) | (1) | 8.5 | 7.9 | 8.2 |
| Lima | | 79.0 | 78.7 | (1) | (1) | (!) | 4.2 | 4.5 | 4.5 |
| Mansfield | | 81.0 | 80.4 | | (1) | (1) | 2.8 | 2.6 | 2.7 |
| Steubenville-Weirton | | 52.5 | 51.7 | ` 4 | ` ′ 4 | ` ′ .4 أ | 1.9 | 1.8 | 1.9 |
| Toledo | | 324.5 | 317.1 | .2 | .2 | .2 | 16.3 | 16.7 | 17.2 |
| Youngstown-Warren | | 253.1 | 249.3 | .5 | .5 | .5 | 11.3 | 11.7 | 12.0 |
| klahoma | 1,432.6 | 1,480.2 | 1,464.8 | 32.2 | 30.0 | 30.0 | 55.4 | 57.4 | 57.0 |
| Enid | | 25.0 | 24.8 | .8 | .7 | .7 | 1.0 | .9 | .9 |
| Lawton | | 39.1 | 38.7 | .1 | 1 | .1 | 1.4 | 1.6 | 1.6 |
| Oklahoma City | | 526.5 | 518.8 | 7.1 | 6.7 | 6.7 | 20.1 | 20.3 | 20.3 |
| Tulsa | | 410.3 | 405.7 | 7.9 | 7.8 | 7.8 | 16.6 | 17.5 | 17.3 |
| | | | | | · | | | l | |
| regon | | 1.595.3 | 1,581.8 | 1.9 | 2.0 | 2.1 | 87.5 | 85.1 | 88.6 |
| Eugene-Springfield | | 144.8 | 140.9 | .2 | .2 | .2 | 7.8 | 7.3 | 7.8 |
| Medford-Ashland | | 72.4 | 71.4 | .1 | .2 | .2 | 3.5 | 3.5 | 3.6 |
| Portland-Vancouver | 934.4 | 958.8 | 955.2 | 1.2 | 1.3 | 1.3 | 55.5 | 55.9 | 57.5 |
| Salem | 134.8 | 135.7 | 135.7 | .3 | .3 | 3 | 8.6 | 7.9 | 8.4 |
| ennsylvania | . 5,488.5 | 5,567.3 | 5,521.4 | 21.3 | 20.6 | 20.5 | 235.8 | 237.7 | 242.6 |
| Allentown-Bethlehem-Easton | | 279.3 | 276.0 | (¹) I | [(1)] | (1) i | 11.3 | 11.3 | 11.8 |
| Altoona | | 60.7 | 60.1 | (1) | (1) | į 1 j | 2.9 | 2.8 | 2.8 |
| Erie | 131.2 | 133.0 | 132.5 | (1) | 715 | (1) | 5.3 | 4.9 | 5.2 |
| Harrisburg-Lebanon-Carlisle | | 361.7 | 360.2 | 715 | 7+5 | 715 | 14.7 | 14.9 | 15.2 |
| Johnstown | | 87.7 | 87.3 | (1) | 715 | 715 | 4.7 | 4.6 | 4.7 |
| Lancaster | | 219.6 | 218.9 | ` ′ .4 | ` ′ .4 | .4 | 13.4 | 13.7 | 14.0 |
| Philadelphia PMSA | | 2,343.7 | 2.325.3 | (1) | (1) | (1) | 95.2 | 96.2 | 97.9 |
| Philadelphia City | | 674.2 | 671.8 | (1) | 1 (1) | (1) | 11.8 | 10.9 | 11.1 |
| · incoorping Ony | | | | | | | | | |
| Dittaburgh | | 1.117.5 | 1.106.0 | 4.8 | 4.3 | 4.3 | 53.9 | 54.1 | 55.2 |
| | | 168.3 | 165.9 | (1) | (') [| (1) | 7.7 | 7.7 | 7.8 |
| Reading | | | | | | .5 | 11.6 | | 116 |
| Reading ScrantonWilkes-BarreHazleton | . 276.9 | 281.0 | 279.0 | 4 | .5 | | | 11.3 | |
| Reading ScrantonWilkes-BarreHazleton Sharon | . 276.9 . 48.7 | 48.1 | 47.7 | (!) | (1) | (1) | 1.8 | 1.8 | 1.9 |
| Scranton Wilkes-Barre Hazleton Sharon State College | . 276.9 . 48.7 . 66.2 | 48.1 67.5 | 47.7 68.3 | (1) (1) | (1) (1) | (1) (1) | 1.8 2.6 | 1.8 2.5 | 1.9 |
| Reading ScrantonWilkes-BarreHazleton Sharon | 276.9 48.7 66.2 53.3 | 48.1 | 47.7 | (!) | (1) (1) (1) (1) | (1) | 1.8 | 1.8 | 11.6 1.9 2.4 2.3 |

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

(In thousands)

| Charles - I | * | Manufacturing | | | ansportation ar public utilities | nd | Wholesale and retail trade | | | |
|-----------------------------------|--------------|---------------|---------------|--------------|-------------------------------------|---------------|----------------------------|--------------|---------------|--|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | |
| New York ³ | 205.0 | 040.7 | 200.4 | 400.0 | 404.0 | 410.0 | 1.005.0 | 1 700 4 | 1 606 0 | |
| | | 912.7 | 903.4 | 406.3 | 421.9 | 410.3 | 1,665.6 | 1,700.4 | 1,686.0 | |
| Albany-Schenectady-Troy | | 39.7 | 39.5 | 17.0 | 17.9 | 17.4 | 91.8 | 92.9 | 91.8 | |
| Binghamton | | 24.2 | 24.1 | 5.0 | 5.1 | 5.0 | 24.6 | 24.8 | 24.7 | |
| Buffalo-Niagara Falls | | 88.5 | 87.7 | 25.0 | 26.7 | 25.7 | 129.3 | 131.7 | 130.5 | |
| Dutchess County | 17.9 | 18.7 | 18.7 | 4.0 | 4.3 | 4.2 | 20.6 | 21.2 | 20.9 | |
| Elmira | 9.9 | 9.6 | 9.5 | 1.6 | 1.5 | 1.5 | 10.3 | 10.6 | 10.3 | |
| Glens Falls | | 8.2 | 8.0 | 1.8 | 1.7 | 1.8 | 12.8 | 12.7 | 13.0 | |
| Nassau-Suffolk | | 114.6 | 113.4 | 51.3 | 54.5 | 51.8 | 294.4 | 301.0 | 297.2 | |
| New York PMSA ³ | 312.1 | 312.8 | 309.5 | 230.9 | 237.4 | 232.0 | 697.9 | 718.5 | 711.4 | |
| Many Varia City 3 | 260.6 | | | | | | | | | |
| New York City ³ | | 259.9 | 256.7 | 204.7 | 209.6 | 205.7 | 583.2 | 600.4 | 594.5 | |
| Newburgh | | 123 | 12.3 | 6.9 | 7.5 | 7.2 | 35.0 | 35.3 | 35.5 | |
| Rochester | | 119.6 | 119.5 | 16.9 | 17.7 | 17.2 | 114.7 | 117.2 | 115.9 | |
| Rockland County | 11.7 | 12.2 | 12.2 | 5.8 | 6.1 | 5.4 | 24.8 | 25.6 | 25.5 | |
| Syracuse | 50.6 | 51.5 | 50.7 | 19.4 | 20.2 | 20.1 | 78.4 | 79.2 | 78.4 | |
| Utica-Rome | | 20.1 | 19.8 | 3.7 | 3.8 | 3.7 | 27.1 | 27.0 | 27.0 | |
| Westchester County | | 38.7 | 38.7 | 19.7 | 21.0 | 20.2 | 85.6 | 88.1 | 87.1 | |
| · | - - | | | | 1 | | | | | |
| orth Carolina | | 809.2 | 804.9 | 171.9 | 175.3 | 175.6 | 859.5 | 877.1 | 876.6 | |
| Asheville | | 18.5 | 18.3 | 4.8 | 5.0 | 5.0 | 27.1 | 27.8 | 27.9 | |
| Charlotte-Gastonia-Rock Hill | | 139.9 | 138.9 | 50.5 | 49.9 | 50.0 | 185.2 | 185.9 | 185.8 | |
| GreensboroWinston-SalemHigh Point | 163.8 | 160.9 | 159.7 | 36.3 | 36.4 | 36.1 | 145.2 | 148.2 | 148.1 | |
| Raleigh-Durham-Chapel Hill | 85.6 | 84.1 | 84.4 | 28.7 | 29.3 | 29.3 | 136.7 | 140.8 | 140.9 | |
| forth Dakota | 24.3 | 24.0 | 23.8 | 17.7 | 18.0 | 17.6 | 81.2 | 81.6 | 81.8 | |
| Bismarck | 3.0] | 2.9 | 2.9 | 3.2 | 3.3 | 3.2 | 12.1 | 12.6 | 12.5 | |
| Fargo-Moorhead | | 7.9 | 7.9 | 5.1 | 5.0 | 5.0 | 27.7 | 27.7 | 27.5 | |
| Grand Forks | | 3.9 | 3.7 | 2.1 | 22 | 2.1 | 12.9 | 13.0 | 13.0 | |
| Dhio | 1.056.9 | 1.091.0 | 1,081.0 | 241.8 | 244.7 | 244.7 | 1,329.7 | 1,349.3 | 1,342.4 | |
| Akron | | 64.1 | 62.8 | 15.0 | 15.2 | 15.3 | 80.6 | 82.8 | 83.0 | |
| Canton-Massillon | | 47.2 | 47.4 | 5.0 | 5.2 | 5.2 | 45.1 | 46.4 | 46.6 | |
| | | | 143.5 | 47.1 | | | | | | |
| Cincinnati | | 143.6 | | | 47.6 | 47.6 | 222.0 | 227.3 | 228.8 | |
| Cleveland-Lorain-Elyria | | 220.5 | 220.1 | 46.2 | 46.8 | 46.8 | 275.3 | 277.3 | 277.1 | |
| Columbus | | 94.5 | 94.1 | 38.6 | 38.2 | 38.4 | 217.1 | 218.2 | 217.3 | |
| Dayton-Springfield |] 90.9 | 97.1 | 94.7 | 21.1 | 21.1 | 21.1 | 109.4 | 111.1 | 110.2 | |
| Hamilton-Middletown | | 21.6 | 21.5 | 4.8 | 4.8 | 4.9 | 32.2 | 32.6 | 32.7 | |
| Lima | | 19.8 | 20.0 | 3.4 | 3.3 | 3.3 | 18.2 | 18.6 | 18.5 | |
| Mansfield | | 23.1 | 22.9 | 3.5 | 3.2 | 3.2 | 18.5 | 18.3 | 18.3 | |
| Steubenville-Weirton | | 13.1 | 13.3 | 2.8 | 2.9 | 2.8 | 11.0 | 11.2 | 11.1 | |
| | | 59.9 | | | | | | | | |
| | , , | | 54.6 | 14.7 | 15.4 | 15.6 | 78.9 | 80.6 | 80.8 | |
| Youngstown-Warren | 47.1 | 55.9 | 55.2 | 10.7 | 11.1 | 11.0 | 63.4 | 64.8 | 64.7 | |
| Oklahoma | | 187.3 | 186.8 | 83.1 | 84.8 | 85.2 | 331.3 | 341.3 | 338.4 | |
| Enid | | 2.4 | 2.4 | 2.3 | 2.3 | 2.3 | 6.2 | 6.4 | 6.4 | |
| Lawton | | 3.8 | 3.8 | 1.7 | 1.6 | 1.6 | 9.0 | 9.2 | 9.1 | |
| Oklahoma City | | 55.0 | 54.7 | 24.1 | 24.6 | 24.8 | 120.4 | 124.0 | 123.1 | |
| Tulsa | 58.1 | 58.4 | 58.2 | 33.2 | 34.8 | 34.8 | 91.0 | 95.2 | 94.6 | |
| Pregon | 250.8 | 241.5 | 244.3 | 75.8 | 79.7 | 78.8 | 389.4 | 389.7 | 392.0 | |
| Eugene-Springfield | 22.5 | 22.8 | 22.8 | 4.4 | 4.3 | 4.3 | 35.0 | 35.9 | 35.9 | |
| Medford-Ashland | | 9.2 | 9.3 | 3.4 | 3.6 | 3.5 | 20.0 | 20.7 | 21.1 | |
| Portland-Vancouver | | 145.9 | 146.4 | 53.7 | 55.5 | 55.4 | 235.7 | 237.2 | 238.9 | |
| Salem | | 16.8 | 19.2 | 3.9 | 3.8 | 3.8 | 28.7 | 28.9 | 29.0 | |
| | | 937.6 | 004.4 | 270.0 | | j | | | | |
| Pennsylvania | | | 934.4 | 278.9 | 290.0 | 282.5 | 1,238.4 | 1,252.5 | 1,249.2 | |
| Allentown-Bethlehem-Easton | | 56.2 | 55.7 | 15.5 | 16.5 | 16.1 | 58.4 | 59.5 | 59.4 | |
| Altoona | | 10.4 | 10.0 | 4.4 | 4.5 | 4.4 | 15.7 | 15.9 | 16.0 | |
| Erie | | 34.7 | 34.3 | 4.9 | 4.7 | 4.7 | 29.5 | 29.5 | 29.6 | |
| Harrisburg-Lebanon-Carlisle | | 44.4 | 44.6 | 23.6 | 24.5 | 24.2 | 80.2 | 81.8 | 81.6 | |
| Johnstown | 13.2 | 13.3 | 13.4 | 4.8 | 4.9 | 4.8 | 20.6 | 21.0 | 21.2 | |
| Lancaster | | 56.8 | 56.8 | 7.7 | 7.8 | 7.6 | 54.5 | 55.1 | 55.2 | |
| Philadelphia PMSA | | 302.4 | 299.9 | 107.6 | 111.8 | 109.1 | 504.8 | 513.9 | 510.1 | |
| Philadelphia City | | 56.9 | 56.1 | 34.0 | 35.7 | 35.8 | | | | |
| | | | | | | | 112.8 | 113.3 | 112.9 | |
| Pittsburgh | | 140.6 | 140.7 | 66.6 | 69.8 | 68.9 | 259.4 | 262.6 | 261.1 | |
| Reading | 40.8 | 42.0 | 41.9 | 8.2 | 8.8 | 8.3 | 38.2 | 38.8 | 38.8 | |
| ScrantonWilkes-BarreHazleton | | 55.3 | 55.2 | 15.5 | 16.5 | 15.8 | 66.3 | 67.8 | 67.2 | |
| Sharon | | 10.8 | 10.8 | 1.9 | 2.0 | 1.9 | 12.6 | 12.6 | 12.6 | |
| State College | | 9.2 | 9.2 | 1.8 | 2.1 | 1.8 | 12.7 | 13.1 | 13.5 | |
| | | | | | | | | | | |
| | 1271 | 1/1 / 1 | | | | | | | | |
| Williamsport | | 13.7 46.7 | 13.6 46.8 | 2.1 7.7 | 2.2 8.9 | 2.1 8.4 | 13.2 39.6 | 13.4 41.2 | 13.5 41.5 | |

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

| _ | | ance, insurance and real estate | | | Services | | Government | | |
|-----------------------------------|--------------|------------------------------------|---------------|--------------|--------------|-----------------|----------------|----------------|---------------------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p |
| New York ³ | 744.1 | 747.8 | 750.9 | 2,806.1 | 2,910.3 | 2,902.4 | 1,397.3 | 1,436.0 | 1,401.4 |
| | | 26.2 | 26.2 | 139.6 | 142.9 | 141.8 | 105.9 | 109.6 | 103.7 |
| Albany-Schenectady-Troy | | | | 30.9 | 32.4 | 32.7 | 19.2 | 21.6 | 19.0 |
| Binghamton | | 3.8 29.8 | 3.9 29.9 | 164.3 | 166.7 | 165.0 | 83.7 | 87.0 | 83.0 |
| Buffalo-Niagara Falls | 1 | 5.2 | 5.3 | 35.0 | 35.2 | 35.9 | 20.8 | 23.8 | 21.2 |
| Dutchess County | | | | | 11.8 | 11.6 | 6.9 | 7.6 | 7.0 |
| Elmira | | 1.3 | 1.3 | 11.5 | | | 9.1 | 10.5 | 9.1 |
| Glens Falls | | 2.3 | 2.4 | 17.2 | 16.2 | 17.2 | | 191.2 | 175.9 |
| Nassau-Suffolk | | 81.1 | 81.1 | 381.8 | 393.8 | 394.1 | 171.3 | | 668.9 |
| New York PMSA ³ | 522.4 | 523.7 | 525.7 | 1,501.5 | 1,580.1 | 1,564.9 | 667.5 585.7 | 643.4 557.1 | 586.4 |
| New York City ³ | | 489.5 | 491.4 | 1,310.6 | 1,386.0 | 1,369.5 34.9 | 25.3 | 29.4 | 26.7 |
| Newburgh | | 5.8 | 5.9 | 34.1 | 33.9 | | | | |
| Rochester | | 21.4 | 21.4 | 165.5 | 170.1 | 169.5 | 73.0 | 82.3 | 74.4 |
| Rockland County | | 5.2 | 5.3 | 34.9 | 35.4 | 36.0 | 18.2 | 20.0 | 18.1 |
| Syracuse | | 18.2 | 18.2 | 97.4 | 99.3 | 99.4 | 58.6 | 62.7 | 58.7 |
| Utica-Rome | | 8.4 | 8.3 | 40.3 | 41.6 | 43.1 | 27.5 | 28.2 | 27.4 |
| Westchester County | 27.3 | 27.3 | 27.4 | 148.3 | 151.2 | 151.4 | 59.5 | 61.8 | 60.3 |
| lanth Cavalina | 1010 | 105 1 | 105.4 | 946.2 | 970.0 | 966.2 | 543.6 | 600.3 | 557.3 |
| North Carolina | | 185.1 3.8 | 185.4 3.8 | 33.2 | 34,4 | 966.2 34.3 | 13.5 | 15.5 | 14.2 |
| Asheville | | | | | | | | | |
| Charlotte-Gastonia-Rock Hill | | 65.5 | 65.7 | 206.1 | 214.6 | 214.6 | 84.1 | 88.4 | 82.9 |
| GreensboroWinston-SalemHigh Point | | 34.2 | 34.2 | 170.1 | 178.3 | 177.3 | 61.0 | 66.8 | 57.2 |
| Raleigh-Durham-Chapel Hill | 30.3 | 30.7 | 30.8 | 209.9 | 214.8 | 214.7 | 117.4 | 130.9 | 123.4 |
| North Dakota | 15.7 | 16.1 | 16.0 | 90.0 | 91.3 | 90.9 | 64.7 | 67.9 | 64.5 |
| | | 2.5 | | 16.3 | 16.4 | | 9.8 | 10.6 | 9.9 |
| Bismarck | | 7.0 | 2.5 7.1 | 30.2 | 30.7 | 16.3 30.7 | 12.9 | 14.0 | 12.8 |
| Fargo-Moorhead | | 1.5 | 1.5 | 12.5 | 12.4 | 12.5 | 11.0 | 11.5 | 10.9 |
| Cially Forks | | | 1.5 | 12.0 | 12.4 | 12.5 | 11.0 | 11.5 | 10.5 |
| Ohio | 302.5 | 307.0 | 308.2 | 1,529.3 | 1,560.7 | 1,554.7 | 717.4 | 771.4 | 727.7 |
| Akron | - 1 | 13.6 | 13.8 | 90.6 | 92.7 | 93.1 | 42.0 | 44.6 | 42.7 |
| Canton-Massillon | | 6.7 | 6.8 | 51.0 | 52.1 | 52.2 | 18.5 | 20.2 | 19.0 |
| Cincinnati | | 56.9 | 56.7 | 261.2 | 272.0 | 272.8 | 94.4 | 104.1 | 97.6 |
| Cleveland-Lorain-Elyria | | 77.7 | 78.0 | 347.7 | 352.4 | 351.2 | 136.7 | 148.3 | 139.0 |
| Columbus | | 77.4 | 77.7 | 242.1 | 248.2 | 247.5 | 134.4 | 139.6 | 136.0 |
| Dayton-Springfield | | 19.6 | 19.8 | 138.1 | 142.1 | 140.8 | 66.7 | 71.9 | 67.5 |
| Hamilton-Middletown | | 7.1 | 7.2 | 29.9 | 30.8 | 31.0 | 16,7 | 18.5 | 16.5 |
| Lima | | 2.0 | 2.0 | 19.4 | 20.0 | 20.0 | 10.0 | 10.8 | 10.4 |
| Mansfield | | 2.5 | 2.5 | 19.0 | 19.7 | 19.5 | 10.7 | 11.6 | 11,3 |
| Steubenville-Weirton | | 1.5 | 1.5 | 14.0 | 15,0 | 14.4 | 6.3 | 6.6 | 6.3 |
| Toledo | | 11.2 | 11.2 | 94.8 | 96.2 | 95.9 | 41.2 | 44.3 | 41.6 |
| Youngstown-Warren | | 9.3 | 9.4 | 67.1 | 67.6 | 67.2 | 29.1 | 32.2 | 29.3 |
| 1 oungstown Trainon | ···· | 3.3 | 5.4 | 37.1 | 07.0 | 07. L | | JE.E | 25.5 |
| Oklahoma | 73.9 | 76.6 | 76.6 | 409.6 | 424.2 | 423.3 | 263.2 | 278.6 | 267.5 |
| Enid | | 1.2 | 1.2 | 7.3 | 7.0 | 7.2 | 3.7 | 4.1 | 3.7 |
| Lawton | | 1.9 | 1.9 | 8.6 | 8.6 | 8.7 | 11.6 | 12.3 | 11.9 |
| Oklahoma City | | 31.1 | 31.1 | 156.4 | 161.9 | 161.7 | 94.1 | 102.9 | 96.4 |
| Tulsa | | 22.9 | 22.7 | 125.4 | 130.9 | 129.5 | 39.2 | 42.8 | 40.8 |
| | | | | | | | | | |
| Oregon | 96.5 | 97.5 | 98.3 | 417.2 | 430.8 | 435.4 | 233.8 | 269.0 | 242.3 |
| Eugene-Springfield | | 7.4 | 7.4 | 38.6 | 40.1 | 39.8 | 21.4 | 26.8 | 22.7 |
| Medford-Ashland | | 3.1 | 3.1 | 19.7 | 20.2 | 20.5 | 9.6 | 11.9 | 10.1 |
| Portland-Vancouver | | 69.6 | 69.8 | 258.7 | 269.5 | 271.0 | 110.9 | 123.9 | 114.9 |
| Salem | 6.7 | 6.8 | 6.8 | 31.5 | 32.2 | 32.0 | 35.9 | 39.0 | 36.2 |
| | | | | | | | | | |
| Pennsylvania | 323.4 | 328.3 | 330.3 | 1,785.1 | 1,803.7 | 1,800.4 | 658.0 | 696.9 | 661.5 |
| Allentown-Bethlehem-Easton | 14.0 | 14.4 | 14.5 | 88.0 | 88.9 | 88.9 | 28.7 | 32.5 | 29.6 |
| Altoona | | 1.7 | 1.7 | 16.3 | 17.2 | 17.0 | 7.6 | 8.2 | 8.2 |
| Erie | 5.5 | 5.6 | 5.7 | 37.8 | 38.9 | 38.9 | 14.0 | 14.7 | 14.1 |
| Harrisburg-Lebanon-Carlisle | 25.5 | 25.5 | 25.5 | 104.0 | 105.1 | 106.4 | 63.4 | 65.5 | 62.7 |
| Johnstown | | 4.2 | 4.2 | 26.0 | 25.7 | 25.6 | 13.5 | 14.0 | 13.4 |
| Lancaster | | 10.0 | 10.0 | 57.1 | 57.9 | 58.2 | 16.7 | 17.9 | 16.7 |
| Philadelphia PMSA | | 165.8 | 165.4 | 852.3 | 863.6 | 864.4 | 277.9 | 290.0 | 278.5 |
| Philadelphia City | | 51.9 | 51.5 | 287.0 | 294.6 | 292.6 | 111.2 | 110.9 | 111.8 |
| Pittsburgh | | 66.5 | 66.5 | 386.0 | 395.8 | 395.2 | 115.1 | 123.8 | 114.1 |
| Reading | | 8.7 | 8.7 | 43.2 | 43.3 | 43.3 | 16.2 | 19.0 | 17.1 |
| ScrantonWilkes-BarreHazleton | | 14.5 | 14.5 | 80.7 | 80.9 | 80.7 | 33.3 | 34.2 | 33.5 |
| Sharon | | 1.5 | 1.5 | 13.7 | 13.9 | 13.8 | 5.2 | 5.5 | 5.2 |
| State College | | 2.2 | 2.2 | 15.7 | 15.0 | 15.3 | 22.9 | 23.4 | |
| Williamsport | | 2.2 | 2.2 | 14.2 | 14.4 | 14.5 | 5.7 | | 23.9 |
| | | 5.2 | 5.2 | 38.5 | 39.0 | 39.4 | 14.2 | 6.2 15.2 | 5.7 14.4 |
| York | | | | | | | | | |

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

(In thousands)

| | | Total | | | Mining | | | Construction | |
|--|--|--|---|---|---|--|--|--|--|
| State and area | July | June | July | July | June | July | July | June | July |
| | 1998 | 1999 | 1999P | - 19 98 | 1999 | 1999 ^p | 1998 | 1999 | 1999P |
| Rhode Island Providence-Fall River-Warwick | 455.6 | 467.1 | 461.3 | .2 | .2 | .2 | 16.6 | 17.0 | 17.6 |
| | 509.5 | 525.5 į | 517.4 | .3 | .3 | .3 | 18.7 | 19.1 | 19.5 |
| South Carolina Charleston-North Charleston Columbia Greenville-Spartanburg-Anderson | 1,783.4 | 1.857.4 | 1,830 3 | 1.8 | 1.9 | 1.9 | 108.0 | 113.6 | 113.7 |
| | 234.2 | 247.4 | 244.4 | (1) | (¹) | (1) | 17.2 | 19.0 | 19.1 |
| | 290.6 | 304.2 | 301.3 | (1) | (¹) | (1) | 16.3 | 17.7 | 17.8 |
| | 466.8 | 484.8 | 478.4 | (1) | (¹) | (1) | 31.6 | 33.2 | 33.4 |
| South Dakota | 365.4 | 374 3 | 369.8 | 1.7 | 1.6 (1) | 1.7 | 18.3 | 18.5 | 18.8 |
| Rapid City | 49.9 | 50.0 | 50.0 | (1) | | (1) | 3.2 | 3.5 | 3.6 |
| Sioux Falls | 106.6 | 111.7 | 111.8 | (1) | | (1) | 5.9 | 6.4 | 6.5 |
| Tennessee Chattanooga Johnson City-Kingsport-Bristol Knoxville Memphis Nashville | 2.632.7 218.3 192.8 326.5 578.4 646.2 | 2.678.0 218.7 193.9 328.5 594.8 658.8 | 2,664.7 217.4 191.8 325.2 591.1 657.0 | 4.3 (1) (1) .6 (1) (1) | 4.2 (1) (1) (1) .6 (1) (1) | 4.2 (1) (1) (1) .6 (1) | 128.6 9.9 11.5 17.0 28.2 33.6 | 132.8 9.5 11.3 16.7 27.8 34.2 | 136.1 9.6 11.4 16.7 27.8 34.2 |
| Texas Abilene Amarillo Austin-San Marcos Beaumont-Port Arthur Brazoria Brownsville-Harlingen-San Benito Bryan-College Station Corpus Christ Dallas El Paso Ft. Worth-Arlington Galveston-Texas City Houston Killeen-Temple Laredo Longview-Marshall Lubbock McAllen-Edinburg-Mission Odessa-Midland San Angelo San Antonio Sherman-Denison Texarkana Tyler Victoria Waco Wichtla Falls | 8 930 9 56 9 95 4 594 8 160 7 74 8 99 2 68 6 157 1 1.840 0 242 0 739 4 89 3 1.993 2 99 3 1.993 2 99 3 13 6 13 7 4 106 1 44 2 67 9 2 43 0 50 7 78 7 78 7 95 9 58 9 | 9.196 8 58 3 9.77 621 2 164 6 75 2 101 0 69 7 159 1 1.900 9 250 3 769 0 90 4 2.033 1 101 1 65 6 91 9 115 5 141 1 103 8 45 0 706 4 44 7 52 4 82 2 86 4 98 7 | 9.173.7 58.3 97.7 620.1 163.3 70.6 157.8 1.896.5 249.5 766.3 89.0 2.027.7 100.5 49.1 91.3 115.6 139.3 103.2 44.8 700.8 44.4 51.8 81.4 98.6 98.6 | 168.1 1.4 .7 1.3 .9 1.5 (1) 2.4 8 69.8 (1) 2.3 3.6 1.1 1.2 13.1 6 1.8 (1) (1) 1.8 (1) 1.8 (1) 1.8 (1) 1.8 (1) 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | 1530 1.1 .6 1.3 .8 1.5 (1) .8 2.1 11.8 (1) .7 64.0 (1) .1 .2 .1 .1 .2 .1 .1 .5 .7 .7 .7 .1 .1 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 | 153.7 1.1 .6 1.3 8 1.5 (1) .8 2.1 11.9 (1) 4.7 .7 .64.1 (1) 1.4 3.1 1.2 1.3 .5 1.8 (1) 1.9 (1) 1.1 1.9 (1) 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | 507 4 2.4 4.9 33.7 17.1 11.5 3.9 12.0 92.1 11.3 39.6 4.2 138.6 4.4 2.4 4.2 6.9 7.8 2.0 36.1 2.5 2.2 3.4 4.2 | 530.3 2.5 4.6 36.6 18.1 11.3 3.9 11.5 97.9 12.1 42.9 4.3 4.4 7.1 2.1 37.5 2.7 2.1 37.5 37.5 37.5 37.5 37.5 37.5 37.5 37.5 | 534.3 2.5 4.7 37.0 18.3 11.4 4.0 3.4 11.5 99.2 11.7 43.3 4.5 5 4.5 2.5 4.5 7.1 7.3 2.2 37.7 2.7 2.4 3.6 2.6 2.6 2.6 3.6 2.6 3.6 |
| Utah Provo-Orem Salt Lake City-Ogden | 1.019 0 138 3 685 9 | 1,056.2 143.8 708.3 | 1,045.1 142.6 702.3 | 8.2 (1) 2.8 | 7.6 (1) 2.8 | 1.0 7.8 (¹) 2.8 | 2.6 72.4 10.4 47.7 | 2.6 76.0 11.1 49.8 | 2.5 77.6 11.2 51.0 |
| Vermont | 282.2 | 290.8 | 287.3 | .6 | .7 | .7 | 15.9 | 15.4 | 16.0 |
| Barre-Montpelier | 30.9 | 32.1 | 31.8 | (1) | (1) | (1) | 1.7 | 1.4 | 1.5 |
| Burlington | 99.8 | 103.4 | 100.8 | (1) | (1) | (1) | 5.4 | 5.9 | 6.0 |
| Virginia Bristol Charlottesville Danville Lynchburg Norfolk-Virginia Beach-Newport News Northern Virginia Richmond-Petersburg Roanoke | 3,304.3 | 3,403.8 | 3,375.8 | 10.5 | 9.9 | 9.8 | 194.9 | 200.7 | 203.2 |
| | 38.0 | 40.2 | 39.7 | (1) | (†) | (†) | 1.6 | 1.8 | 1.8 |
| | 83.9 | 86.3 | 83.6 | (1) | (†) | (1) | 4.6 | 4.6 | 4.7 |
| | 43.9 | 45.1 | 43.8 | (1) | (†) | (1) | 2.6 | 2.9 | 2.9 |
| | 97.0 | 99.6 | 98.6 | (1) | (†) | (1) | 6.2 | 6.1 | 6.3 |
| | 680.0 | 691.9 | 685.1 | (1) | (†) | (1) | 41.0 | 40.6 | 40.9 |
| | 1,044.4 | 1,091.6 | 1,086.2 | (1) | (†) | (1) | 60.8 | 63.4 | 64.2 |
| | 529.6 | 549.4 | 545.9 | (1) | (*) | (1) | 33.6 | 34.0 | 34.4 |
| | 143.2 | 148.7 | 146.9 | .8 | .8 | .8 | 9.0 | 9.0 | 8.9 |
| Weshington Seattle-Bellevue-Everett Spokane Tacoma | 2,605.6 1,354.9 188.6 236.0 | 2,672.8 1,386.6 190.8 240.8 | 2.656.2 1.378.8 187.3 239.9 | 3.5 .7 (1) | 3.4 .7 (1) .2 | 3.5 .7 (¹) | 149.6 75.2 11.2 13.9 | 152.7 77.4 10.7 14.4 | 158.2 81.2 11.2 14.7 |

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

| | 1 | Manufacturing | | Tr | ansportation a public utilities | nd | Wholesale and retail trade | | |
|---|--|---|---|---|--|---|---|--|---|
| State and area | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999P |
| Rhode Island Providence-Fall River-Warwick | | 78.4 101.4 | 75.4 97.6 | 15.9 17.8 | 16.4 18.9 | 15.6 18.2 | 101.4 116.7 | 102.5 119.7 | 103.0 119.6 |
| South Carolina Charleston-North Charleston | 22.3 | 362.3 22.7 | 360.5 22.4 | 77.2 13.2 | 80.5 12.8 | 80.3 13.0 | 435.4 59.4 | 451.1 62.3 | 449.6 62.4 |
| Columbia Greenville-Spartanburg-Anderson | | 26.7 121.3 | 26.7 121.0 | 13.2 20.8 | 13.8 21.2 | 13.9 21.4 | 66.4 119.9 | 69.1 124.3 | 69.1 123.7 |
| South Dakota Rapid City Sioux Falls | 4.7 | 49.3 4.4 14.7 | 49.5 4.3 14.9 | 16.6 2.0 6.8 | 16.5 2.0 6.8 | 16.4 2.0 6.9 | 91.2 15.0 26.8 | 92.5 14.7 28.2 | 91.8 15.1 28.2 |
| Tennessee Chattanooga Johnson City-Kingsport-Bristol | 44.0 49.1 | 507.3 44.2 47.0 | 504.8 44.1 46.8 | 158.8 11.5 7.7 | 162.7 11.7 7.8 | 162.5 11.7 7.8 | 626.3 49.6 45.3 | 639.4 48.4 45.7 | 640.8 48.2 45.8 |
| Knoxville Memphis Nashville | 64.6 | 46.7 63.4 95.6 | 46.4 63.1 95.8 | 14.4 67.4 32.6 | 14.2 73.9 33.0 | 14.1 72.5 33.2 | 89.1 143.8 157.7 | 89.2 147.6 161.6 | 89.2 147.6 161.9 |
| Texas Abilene Amarillo Austin-San Marcos Beaumont-Port Arthur Brazoria Brownsville-Harlingen-San Benito Bryan-College Station Copus Christi Dallas El Paso Ft. Worth-Arlington Galveston-Texas City Houston Killeen-Temple Laredo Longview-Marshall Lubbock McAllen-Edinburg-Mission Odessa-Midland San Angelo San Antonio Sherman-Denison Texarkana Tyler Victoria | 3.6 9.3 83.6 25.9 15.4 12.0 4.6 13.5 253.8 41.5 110.3 8.4 221.0 9.5 1.6 19.4 7.9 12.2 7.5 4.8 51.9 9.7 5.6 | 1,103.1 3.6 9.0 84.3 25.7 14.7 11.8 5.2 13.2 13.2 41.4 113.2 214.1 9.7 1.6 19.6 7.4 12.0 6.7 4.9 5.2 8.1 12.0 1.6 1.6 1.6 1.6 1.6 1.7 1.6 1.6 1.6 1.7 1.6 1.7 1.6 1.7 1.7 1.7 1.8 1.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | 1.101.7 3.6 9.1 84.9 25.6 14.6 11.8 5.3 13.5 255.3 41.8 113.0 214.2 9.7 7.6 1.9 1.7 4.9 5.7 4.9 5.7 4.9 5.7 4.9 5.7 4.9 5.7 4.9 5.7 4.9 5.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6 | 545.1 2.5 5.2 19.6 8.1 2.9 4.8 1.5 6.7 125.7 13.8 69.6 4.0 142.1 3.5 5.7 11.0 5.7 5.7 5.2 4.0 2.9 9.3 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 6.7 | 562 5 2.5 2.5 2.1 0 8.1 2.8 4.8 1.6 6.7 130.2 14.9 73.2 4.4 114.4 3.4 11.7 4.0 5.8 3.9 3.1 1.7 2.8 3.9 | 564.5 2.5 5.5 21.0 8.1 2.8 4.8 1.6 6.7 130.5 14.9 73.7 44 145.6 3.4 4.0 5.8 5.2 3.9 3.1 2.8 3.8 5.2 3.9 3.1 5.2 3.8 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 5.2 | 2,112.2 15.1 27.0 129.8 36.3 14.8 15.0 36.9 244.5 59.2 185.0 20.4 452.4 23.5 17.1 23.1 31.8 37.8 37.8 10.4 165.7 9.8 13.8 20.4 | 2,159.0 16.1 27.7 135.9 37.3 15.6 15.1 36.8 457.7 59.9 192.3 20.4 467.6 23.5 17.3 20.4 467.6 23.5 10.4 10.4 10.4 10.9 10.4 10.9 10.4 10.9 10.9 10.9 10.9 10.9 10.9 10.9 10.9 | 2.155.0 16.1 28.0 136.7 37.2 15.6 24.6 15.2 36.7 455.0 60.4 191.8 20.4 467.3 23.6 23.8 32.4 467.3 10.4 169.9 9.8 14.1 21.7 9.9 |
| Waco Wichita Falls Utah Provo-Orem | 8.0 133.6 | 16.7 8.5 133.7 19.9 | 16.6 8.4 133.7 19.7 | 3.9 2.9 59.0 2.4 | 4.0 3.0 59.8 2.4 | 4.0 3.0 59.8 2.4 | 22.1 14.1 243.6 31.6 | 22.9 14.4 248.6 33.2 | 22.8 14.4 248.8 33.5 |
| Salt Lake City-Ogden | 82.7 | 82.8 | 82.9 | 46.9 | 47.3 | 47.1 | 165.5 | 168.1 | 168.0 |
| Vermont | 3.2 | 49.1 3.8 18.8 | 49.1 3.7 18.9 | 12.5 1.1 4.8 | 12.7 1.3 4.9 | 12.3 1.3 4.9 | 66.5 7.0 22.5 | 66.6 7.0 22.6 | 66.7 7.0 22.3 |
| Virginia Bristol Charlottesville Danville Lynchburg Norfolk-Virginia Beach-Newport News Northern Virginia Richmond-Petersburg Roanoke | 9.2 8.5 14.3 25.4 69.7 43.9 61.4 | 395.8 9.2 8.7 14.2 25.3 63.9 43.7 60.7 | 393.3 9.2 8.5 14.1 25.3 63.1 43.7 60.8 18.8 | 174.4 1.4 2.5 1.0 3.6 31.9 65.1 28.3 8.7 | 180.5 1.3 2.7 1.0 3.6 31.3 70.1 29.7 9.0 | 181.6 1.3 2.6 1.0 3.6 31.6 70.6 29.9 9.0 | 732.6 10.7 16.4 9.6 20.2 160.3 217.8 123.4 36.3 | 747.4 11.4 16.8 9.4 20.2 164.4 224.9 128.7 37.4 | 745.7 11.6 16.7 9.4 20.1 163.8 223.8 128.2 37.5 |
| Washington Seattle-Bellevue-Everett Spokane Tacoma | 229.5 22.6 | 367.4 215.1 21.0 24.4 | 365.7 213.1 21.1 24.6 | 136.7 80.8 8.2 9.5 | 140.3 82.9 8.2 10.0 | 140.9 82.0 8.2 9.8 | 632.9 321.0 49.2 58.8 | 646.8 327.2 49.6 59.1 | 649.8 328.2 49.7 59.8 |

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

(In thousands)

| | | ance, insurand and real estate | | | Services | | | Government | |
|--|--|---|---|---|--|---|--|--|--|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p |
| Rhode Island Providence-Fall River-Warwick | 29.0 30.9 | 29.7 31.8 | 29.8 32.0 | 158.0 167.6 | 158.2 168.6 | 159.4 169.8 | 59.2 60.3 | 64.7 65.7 | 60.3 60.4 |
| South Carolina Charleston-North Charleston Columbia | 8.7 22.0 | 84.9 8.9 22.8 | 85.2 8.9 23.0 | 426.5 65.4 73.8 | 447.1 70.8 77.9 | 444.3 70.1 78.0 | 289.2 48.0 72.3 | 316.0 50.9 76.2 | 294.8 48.5 72.8 |
| Greenville-Spartanburg-Anderson | 22.6 | 16.3 23.8 | 16.4 23.9 | 102.1 97.8 | 108.4 98.7 | 107.2 99.4 | 54.8 67.2 | 60.1 73.4 | 55.3 68.3 |
| Rapid City Sioux Falls | | 2.9 12.4 | 2.9 12.5 | 15.7 31.9 | 15.1 32.8 | 15.1 33.3 | 6.5 9.0 | 7.4 10.4 | 7.0 9.5 |
| Tennessee Chattanooga Johnson City-Kingsport-Bristol Knoxville Memphis Nashville | 15.7 6.1 14.9 28.4 | 128.1 15.9 6.2 15.2 29.2 42.6 | 128.1 15.9 6.3 15.2 29.3 42.5 | 713.1 56.5 47.8 90.8 170.7 208.4 | 723.6 57.5 47.3 91.0 173.7 209.6 | 722.1 57.5 47.3 90.7 173.4 209.9 | 363.8 31.1 25.3 52.3 75.3 77.1 | 379.9 31.5 28.6 54.9 79.2 82.2 | 366.1 30.4 26.4 52.3 77.4 79.5 |
| Texes Abilene Arrarillo Austin-San Marcos Beaumont-Port Arthur Brazoria Brownsville-Harlingen-San Benito Bryan-College Station Corpus Christi Dallas El Paso Ft. Worth-Arlington Galveston-Texas City Houston Killeen-Temple Laredo Longview-Marshall Lubbock McAllen-Edinburg-Mission Odessa-Midland San Angelo San Antonio Sherman-Denison Texarkana Tyler Victoria Waco Wichtat Falls | 25 51 317 52 19 327 66 1527 97 350 61 1072 4.2 23 36 58 50 39 18 459 25 1.7 | 516.3 2.6 5.2 32.7 5.3 1.9 3.7 2.8 6.6 158.0 9.8 36.3 110.6 4.3 2.4 3.9 5.9 5.2 3.9 2.0 4.7 2.2 6.6 1.4 3.9 | 519.9 2.6 5.3 32.8 5.3 1.9 2.8 6.6 158.7 9.8 36.5 111.0 4.4 2.5 3.9 5.9 2.0 47.2 2.6 1.4 4.1 1.5 6.2 4.4 | 2,544.2 19.7 27.8 175.8 42.5 13.7 28.6 15.5 49.5 566.8 27.6 12.9 21.4 34.7 32.8 25.0 12.6 218.8 11.6 14.3 24.6 9.7 28.3 16.1 | 2,657.9 19.7 28.6 183.3 43.0 13.8 51.7 587.5 60.3 211.8 27.9 13.7 21.8 35.4 25.6 12.7 233.4 12.2 15.0 25.4 9.9 28.7 | 2.664.1 19.8 28.7 184.7 43.1 13.8 28.7 15.7 58.9 60.7 211.9 20.1 636.1 28.0 13.8 21.8 35.7 33.2 25.6 12.8 23.6 12.2 14.9 25.5 9.9 28.9 28.9 28.9 28.9 28.9 28.9 28.9 | 1,446.6 9.7 15.4 119.3 24.7 13.1 25.3 29.5 192.7 48.4 89.1 25.9 245.3 26.6 13.8 10.4 23.4 23.4 26.6 13.8 10.4 23.4 21.0 126.4 5.2 10.5 10.6 6.0 11.0 10.6 10.6 10.6 10.6 10.6 | 1,514.7 10.2 16.6 126.1 26.3 13.6 23.5 25.0 30.2 202.5 51.9 94.7 26.2 253.1 27.8 14.9 11.4 24.0 38.6 17.3 9.3 131.9 5.7 11.0 11.3 6.1 15.2 | 1,480.5 10.1 15.8 121.7 24.9 13.2 22.7 25.8 29.0 196.9 243.9 243.9 243.9 243.9 243.9 10.8 23.9 37.1 16.6 8.9 125.1 5.5 10.5 5.9 |
| U tah Provo-Orem Salt Lake City-Ogden | 4.3 | 58.3 4.7 47.3 | 58.5 4.7 47.7 | 281.2 53.0 186.4 | 291.6 53.9 192.4 | 292.9 54.8 193.0 | 165.3 16.8 108.1 | 180.6 18.6 117.8 | 166.0 16.3 109.8 |
| Vermont Barre-Montpelier Burlington | 12.4 | 13.1 2.6 4.8 | 13.4 2.7 4.9 | 87.6 8.6 30.1 | 86.4 8.6 30.3 | 89.7 8.9 30.7 | 38.3 6.9 12.9 | 46.8 7.4 16.1 | 39.4 6.7 13.1 |
| Virginia Bristol Charlottesville Danville Lynchburg Norfolk-Virginia Beach-Newport News Northern Virginia Richmond-Petersburg Roanoke | 178.2 1.3 4.6 1.5 4.4 33.9 59.7 45.0 | 182.1 1.4 4.8 1.5 4.4 34.3 62.2 47.0 10.6 | 183.4 1.5 4.8 1.5 4.3 34.4 62.7 47.3 10.6 | 1,032.9 8.4 20.8 9.8 24.6 205.4 421.0 138.9 43.5 | 1,077.7 9.0 22.5 10.1 26.5 213.6 443.3 145.3 45.6 | 1,072.1 8.8 21.6 9.5 26.0 212.7 443.9 143.8 45.4 | 578.0 5.4 26.5 5.1 12.6 137.8 175.3 98.2 17.2 | 609.7 6.1 26.2 6.0 13.5 143.8 183.2 103.2 18.1 | 586.7 5.5 24.7 5.4 13.0 138.6 176.5 100.7 16.7 |
| Weshington Seattle-Bellevue-Everett Spokane Tacoma | | 141.8 85.8 11.6 13.1 | 142.6 86.4 11.7 13.1 | 714.3 390.6 58.2 67.3 | 738.9 403.6 57.4 69.3 | 739.8 406.4 57.3 69.1 | 447.7 175.6 28.0 47.2 | 481.5 193.9 32.3 50.3 | 455.7 180.8 28.1 48.6 |

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

(In thousands)

| | | Total | | | Mining | | | Construction | |
|---|--|--|---|--|----------------------------------|---------------------------------|--|---|--|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p |
| West Virginia Charleston Huntington-Ashland Parkersburg-Marietta Wheeling Wisconsin | 67.7 2.724.8 | 730.0 134.8 123.0 71.0 67.1 2,779.7 203.4 | 734.2 136.0 122.6 70.9 67.8 2,754.3 202.4 | 23.4 1.9 1.4 .3 1.7 | 21.1 1.8 1.5 .3 1.5 | 20.9 1.8 1.5 .3 1.5 | 37.2 7.5 6.1 4.5 2.9 124.4 11.6 | 35.7 7.0 5.3 4.2 2.7 126.3 | 37 5 7.3 5.4 4.3 2.9 128.8 12.8 |
| Appleton-Oshkosh-Neenah Eau Claire Green Bay Janesville-Beloit Kenosha La Crosse Madison Milwaukee-Waukesha Racine Sheboygan Wausau | 198.4 73.9 137.5 65.8 52.0 69.0 275.2 845.2 81.8 60.1 66.6 | 203.4 75.6 140.7 71.2 54.4 71.3 284.0 863.9 83.8 62.0 68.9 | 74.7 139.6 68.2 52.5 70.7 282.3 854.8 82.8 61.2 67.9 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | | 3.6 7.3 2.9 2.4 3.1 14.1 33.3 3.8 2.6 3.2 | 3.6 7.6 3.1 2.4 14.6 33.8 3.8 2.5 3.3 | 3.7 7.6 3.1 2.5 3.4 14.9 34.4 3.8 2.6 3.3 |
| Wyoming | 233.7 30.7 | 240.6 32.5 | 236.8 31.8 | 17.3 2.2 | 17.0 2.1 | 17.3 2.1 | 17.8 2.0 | 18.1 2.6 | 18.6 2.7 |
| Puerto Rico Caguas Mayaguez Ponce San Juan-Bayamon | 994.0 68.3 71.7 77.6 613.8 | 1 009.9 70.5 70.5 79.2 622.2 | 1,003.5 68.9 68.2 80.0 618.1 | 1.3 (†) (†) (1) (1) | (1,4 (1) (1) (1) (1) | 1.5 (1) (1) (1) (1) | 58.0 3.1 4.0 5.1 40.7 | 60.8 2.4 4.4 5.8 42.3 | 60.3 2.3 4.2 6.1 42.3 |
| Virgin Islands | 42.5 | (²) | (²) | (¹) | (¹) | (¹) | 1.8 | (²) | (²) |

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

(In thousands)

| | | Vanufacturing | | | ansportation a public utilities | nd | Wholesale and retail trade | | | |
|-------------------------|-----------------------|---------------|---------------|--------------|------------------------------------|---------------|----------------------------|--------------|---------------|--|
| State and area | July 19 9 8 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | |
| | | | | | | | | | | |
| West Virginia | 82.7 | 81.8 | 82.5 | 39.2 | 39.6 | 39.4 | 164.4 | 168.7 | 169.0 | |
| Charleston | 10.1 | 10.2 | 10.2 | 9.4 | 9.1 | 9.3 | 32.0 | 33.3 | 33.5 | |
| Huntington-Ashland | 16.4 | 15.9 | 16.4 | 6.7 | 7.0 | 7.0 | 31.5 | 31.8 | 31.5 | |
| Parkersburg-Marietta | 13.0 | 12.6 | 12.5 | 2.7 | 2.7 | 2.7 | 17.5 | 18.5 | 18.7 | |
| Wheeling | 6.3 | 6.3 | 6.3 | 2.6 | 2.7 | 2.7 | 17.1 | 17.3 | 17.2 | |
| vviideliilig | 0.5 | 0.0 | | | , | , | .,,, | | | |
| Wisconsin | 620.7 | 617.3 | 616.7 | 125.1 | 128.9 | 125.9 | 617.4 | 623.6 | 620.4 | |
| Appleton-Oshkosh-Neenah | 59.9 | 60.7 | 61.2 | 7.8 | 8.8 | 8.6 | 41.7 | 42.1 | 41.8 | |
| Eau Claire | 13.7 | 14.0 | 13.9 | 3.5 | 3.6 | 3.5 | 19.8 | 20.2 | 20.0 | |
| Green Bay | 29.8 | 29.1 | 29.6 | 10.0 | 10.4 | 10.2 | 31.7 | 32.5 | 32.5 | |
| Janesville-Beloit | 17.4 | 20.2 | 18.1 | 2.6 | 3.1 | 2.9 | 16.4 | 17.2 | 17.1 | |
| Kenosha | 11.2 | 11.8 | 10.5 | 1.7 | 1.9 | 1.7 | 12.9 | 13.2 | 13.2 | |
| La Crosse | 11.8 | 11.9 | 11.6 | 3.2 | 3.6 | 3.6 | 18.4 | 19.3 | 19.1 | |
| Madison | 29.9 | 30.0 | 30.0 | 9.0 | 9.6 | 9.4 | 59.2 | 60.7 | 60.6 | |
| Milwaukee-Waukesha | 179.1 | 178.0 | 176.8 | 39.5 | 41.6 | 40.7 | 182.3 | 184.2 | 183.3 | |
| Racine | 24.8 | 24.4 | 24.3 | 2.5 | 2.6 | 2.5 | 16.8 | 17.8 | 17.6 | |
| Sheboygan | 25.5 | 26.0 | 26.3 | 1.7 | 1.7 | 1.7 | 10.7 | 11 2 | 11.0 | |
| Wausau | 19.7 | 19.7 | 19.7 | 3.3 | 3.3 | 3.1 | 16.6 | 17.0 | 17.0 | |
| Wyoming | 11.1 | 11.3 | 11.4 | 14.1 | 14.3 | 14.3 | 55.8 | 55.6 | 56.4 | |
| Casper | 1.5 | 1.6 | 1.6 | 1.8 | 1.9 | 1.9 | 8.5 | 8.6 | 8.5 | |
| Puerto Rico | 145.9 | 140.4 | 138.5 | 26.3 | 27.2 | 28.3 | 197.8 | 200.9 | 200.7 | |
| Caquas | 15.7 | 15.4 | 15.3 | 1.1 | 1.2 | 1.2 | 15.1 | 16.0 | 15.7 | |
| Mayaguez | 18.1 | 15.5 | 15.2 | .7 | .7 | .7 | 12.0 | 12.2 | 12.1 | |
| Ponce | 9.9 | 9.4 | 9.2 | 2.4 | 2.4 | 2.6 | 13.2 | 13.4 | 13.4 | |
| San Juan Bayamon | 66.5 | 65.5 | 64.7 | 19.9 | 19.7 | 20.5 | 130.1 | 132.2 | 132.6 | |
| Virgin Islands | 2.5 | (²) | (²) | 2.3 | (²) | (²) | 8.9 | (²) | (²) | |

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

(In thousands)

| | | ance, insuran and real estate | | | Services | | | Government | |
|-----------------------------|--------------|----------------------------------|------------------|--------------|------------------|------------------|--------------|------------------|--------------|
| State and area | July 1998 | June 1999 | July 1999 | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 |
| | | | | | | | | | |
| Mara Maninia | 28.9 | 29.7 | 29.7 | 209.3 | 212.9 | 214.1 | 140.9 | 140.5 | 141.1 |
| West Virginia Charleston | 8.0 | 8.0 | 8.1 | 41.5 | 41.2 | 41.5 | 24.4 | 24.2 | 24.3 |
| Huntington-Ashland | 3.9 | 4.7 | 4.8 | 35.5 | 36.3 | 36.2 | 18.9 | 20.5 | 19.8 |
| Parkersburg-Marietta | 2.6 | 2.7 | 2.7 | 20.3 | 20.6 | 20.8 | 9.0 | 9.4 | 8.9 |
| | 2.7 | 2.7 | 2.7 | 24.0 | 23.4 | 24.2 | 10.4 | 10.5 | 103 |
| Wheeling | 2.1 | ٠,٠ع | £, | 2-7.0 | 20.7 | | ,0.4 | 10.0 | 10.0 |
| Wisconsin | 145.7 | 149.1 | 150.0 | 720.7 | 732.7 | 737.1 | 367.8 | 398.9 | 372.5 |
| Appleton-Oshkosh-Neenah | 9.7 | 10.2 | 10.2 | 45.4 | 45.9 | 45.7 | 22.2 | 23.1 | 22.0 |
| Eau Claire | 2.6 | 2.9 | 2.9 | 20.2 | 20.2 | 20.1 | 10.5 | 11.0 | 10.5 |
| Green Bay | 9.9 | 9.9 | 9.9 | 33.7 | 34.2 | 34.3 | 15.1 | 16.9 | 15.6 |
| Janesville-Beloit | 2.0 | 2.0 | 2.1 | 16.1 | 17.1 | 16.3 | 8.3 | 8.5 | 8.6 |
| Kenosha | 1.7 | 1.8 | 1.8 | 14.6 | 14.6 | 14.8 | 7.4 | 8.7 | 7.9 |
| La Crosse | 2.5 | 2.6 | 2.6 | 21.2 | 21.6 | 21.5 | 8.7 | 9.0 | 8.9 |
| Madison | 22.0 | 22.6 | 22.6 | 71.8 | 73.9 | 73.9 | 69.2 | 72.7 | 70.8 |
| Milwaukee-Waukesha | 59.1 | 59.1 | 59.5 | 267.9 | 274.2 | 275.2 | 83.9 | 93.0 | 84.8 |
| Racine | 2.4 | 2.6 | 2.6 | 21.9 | 22.5 | 22.5 | 9.6 | 10.1 | 9.6 |
| | 2.2 | 2.2 | 2.2 | 12.0 | 11.9 | 11.9 | 5.4 | 6.4 | 5.4 |
| Sheboygan Wausau | 5.0 | 5.4 | 5.4 | 12.1 | 12.8 | 12.7 | 6.5 | 7.5 | 6.7 |
| wausau | 3.0 | 3.4 |] 5.4 | '-' | 12.0 | '' | 0.0 | 7.0 | V., |
| Wyoming | 8.9 | 8.9 | 9.0 | 56.6 | 56.1 | 57.5 | 52.1 | 59.3 | 52.3 |
| | 1.3 | 1.3 | 1.3 | 8.7 | 8.8 | 8.9 | 4.7 | 5.6 | 4.8 |
| Casper | 1.3 | 1.5 | 1.3 | J 0., | 0.0 | 0.3 | 7.7 | 0.0 | 7.0 |
| Puerto Rico | 47.4 | 45.9 | 47.1 | 192.0 | 197.8 | 194.9 | 325.3 | 335.5 | 332.2 |
| | 1.7 | 1.5 | 1.6 | 11.9 | 12.2 | 11.8 | 19.7 | 21.8 | 21.0 |
| Caguas | 2.1 | 2.1 | 2.1 | 11.1 | 11.7 | 10.8 | 23.7 | 23.9 | 23.1 |
| Mayaguez Ponce | 2.3 | 2.2 | 2.5 | 16.7 | 17.7 | 17.0 | 28.0 | 28.3 | 29.2 |
| San Juan-Bayamon | 37.0 | 35.7 | 36.5 | 128.3 | 131.0 | 128.7 | 190.7 | 195.1 | 192.1 |
| San Juan Dayamon | 37.0 | 33.7 |] 50.5 | 120.5 | 151.0 | 120.7 | 130.7 | 150,1 | , 52. 1 |
| Virgin Islands | 1.9 | (²) | (²) | 10.1 | (²) | (²) | 15.0 | (²) | (²) |

¹ Combined with construction.

 $^{\rm P}$ = preliminary. NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1998 benchmarks.

<sup>Combined with construction.

Not available.

Total nonfarm and government employment data have been revised for July and August 1998 as a result of a correction in local education employment for those months.</sup>

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry

| | 1987 | | Avera | ge weekly | hours | | | Averag | e overtin | ne hours | |
|---|-------------|--------------|--------------|--------------|---------------|---------------------------|--------------|--------------|--------------|---------------------------|--------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 |
| Total private | | 34.8 | 35.2 | 34.6 | 34.7 | 35,1 | _ | _ | | _ | _ |
| • | ļ | | ļ | | | | | | <u> </u> | | |
| Goods-producing | 1 | 40.9 | 41.4 | 41.3 | 40.9 | 41.3 | _ | _ | _ | - | _ |
| Mining | | 43.9 | 44.0 | 44.2 | 44.6 | 44.5 | - | _ | - | - | - |
| Metal mining | 10 | 45.0 | 44.9 | 44.6 | 45.7 | - | - | _ | <u>-</u> | _ | - |
| Iron ores | | 44.1 46.9 | 44.4 46.9 | 44.8 46.8 | 45.4 50.1 | _ | - | _ | _ | _ | _ |
| • • | İ | | } | | | | | | | | |
| Coal mining | 12 | 42.8 42.5 | 44.5 44.6 | 45.0 45.4 | 43.7 43.9 | _ | | _ | - | _ | _ |
| Bituminous coal and lignite mining | 122 | 42.5 | 44.0 | 45.4 | 43.9 | - | - |] - | - | _ | - |
| Oil and gas extraction | . 13 | 42.9 | 42.3 | 42.4 | 43.5 | - | - | - | - | - | - |
| Crude petroleum and natural gas | 131 | 42.5 42.9 | 41.7 42.5 | 40.4 43.5 | 41.8 44.6 | - | _ | - | _ | _ | _ |
| Oil and gas field services | . 136 | 42.9 | 42.5 | 43.5 | 44.0 | - | _ | _ | _ | _ | |
| Nonmetallic minerals, except fuels | | 47.8 | 47.9 | 47.7 | 47.3 | - | - | - | - | _ | - |
| Crushed and broken stone | . 142 | 50.1 | 50.1 | 49.4 | 49.1 | - | _ | - | _ | _ | _ |
| Construction | | 40.2 | 40.2 | 39.8 | 39.9 | 40.0 | - | - | - | - | _ |
| General building contractors | . 15 | 38.8 | 38.8 | 38.6 | 38.6 | _ | - | _ | - | _ | _ |
| Residential building construction | . 152 | 37.3 | 37.4 | 37.3 | 37.3 | - | _ | - | - | - | _ |
| Operative builders | | 38.6 40.2 | 37.7 40.2 | 39.2 39.9 | 38.5 40.0 | - | _ | - | _ | _ | _ |
| ů | | 10.2 | 1 | | | | |] | 1 | | ł |
| Heavy construction, except building | . 16 | 44.6 | 44.7 | 44.1 | 44.0 | - | - | _ | l = | _ | - |
| Highway and street construction Heavy construction, except highway | . 162 | 46.7 43.6 | 46.9 43.7 | 45.6 43.4 | 45.7 43.2 | - | - | - | _ | _ | - |
| | | | | | 00.4 | | | | | | |
| Special trade contractorsPlumbing, heating, and air conditioning | .]]/ | 39.5 40.3 | 39.5 39.9 | 39.2 40.1 | 39.4 40.1 | _ |] _ |] _ | 1 = | - | _ |
| Painting and paper hanging | 172 | 38.3 | 38.4 | 37.3 | 37.5 | _ | _ | _ | _ | _ | _ |
| Electrical work | . 173 | 40.5 | 40.5 | 40.0 | 40.3 | - |] - | - | - |) – | - |
| Masonry, stonework, and plastering | . 174 | 37.1 | 37.2 | 36.7 | 36.8 | - | ~ | - | - | - | - |
| Carpentry and floor work | . 175 | 36.7 | 37.0 | 37.5 | 37.5 | - | - | - | - | - | - |
| Roofing, siding, and sheet metal work | . 176 | 36.9 | 36.9 | 36.2 | 36.9 | - | - | - | - | - | - |
| Manufacturing | | 41.1 | 41.7 | 41.8 | 41.2 | 41.7 | 4.4 | 4.7 | 4.7 | 4.4 | 4.7 |
| Durable goods | ٠ م | 41.5 | 42.2 | 42.4 | 41.6 | 42.2 41.5 | 4.4 | 4.8 | 4.8 4.6 | 4.5 | 4.7 |
| Lumber and wood products | . 24 | 41.2 | 41.6 41.9 | 41.6 42.5 | 41.2 | 41.5 | 5.6 | 5.7 | 5.6 | 5.1 | _ |
| LoggingSawmills and planing mills | 241 | 42.0 | 42.9 | 43.1 | 42.4 | _ | 5.0 | 5.4 | 5.4 | 5.3 | _ |
| Sawmills and planing mills, general | 2421 | 42.4 | 43.4 | 43.7 | 42.9 | l – | 5.5 | 5.9 | 5.9 | 5.8 | \ _ |
| Hardwood dimension and flooring mills | . 2426 | 40.9 | 41.3 | 41.3 | 41.0 | - | 3.3 | 3.5 | 3.8 | 3.6 | - |
| Millwork, plywood, and structural members | . 243 | 41.5 | 41.8 | 41.9 | 41.4 | - | 5.2 | 5.1 | 4.7 | 4.5 | _ |
| Millwork | . 2431 | 41.2 | 41.4 | 41.5 | 40.8 | - | 4.1 | 4.2 | 4.0 | 3.9 | - |
| Wood kitchen cabinets | . 2434 | 41.3 | 41.3 | 41.3 | 41.4 | l – | 6.0 | 5.3 | 4.5 | 4.7 | - |
| Hardwood veneer and plywood | . 2435 | 40.0 | 41.6 | 41.9 | 40.4 | - | 4.8 | 5.0 | 5.0 | 4.1 | - |
| Softwood veneer and plywood | . 2436 | 42.2 | 43.4 | 43.5 | 42.3 | - | 5.6 | 6.2 | 6.1 | 5.7 | - |
| Wood containers | . 244 | 38.6 | 38.7 | 39.4 | 39.2 | - | 3.1 | 3.3 | 3.8 | 3.3 | - |
| Wood buildings and mobile homes | . 245 | 41.0 | 40.9 | 39.3 | 39.9 40.0 | - | 4.2 | 3.7 | 3.0 | 3.3 | 1 - |
| Mobile homes | . 2451 | 41.2 39.6 | 40.6 | 39.3 40.5 | 40.0 | - | 3.2 | 3.5 | 3.7 | 3.6 | - |
| | | | | | | | | | | | |
| Furniture and fixtures | 25 | 40.3 | 41.0 39.8 | 40.3 | 40.2 38.6 | 40.7 | 3.8 | 4.1 3.1 | 3.7 | 3.9 2.8 | 1 = |
| Household furniture | 2511 | 39.0 | 40.2 | 39.0 | 39.0 | _ | 2.9 | 3.1 | 2.9 | 3.0 | 1 - |
| Wood household furniture | 2512 | 38.5 | 38.7 | 38.3 | 37.8 | _ | 2.5 | 2.4 | 2.3 | 2.4 | _ |
| Upholstered household furniture Metal household furniture | 2514 | 38.4 | 37.7 | 42.1 | 40.3 | _ | 2.7 | 3.0 | 3.9 | 2.5 | _ |
| Mattresses and bedsprings | 2515 | 40.8 | 41.5 | 39.7 | 39.5 | _ | 4.9 | 4.8 | 3.8 | 4.3 | - |
| Office furniture | 252 | 41.2 | 42.0 | 42.7 | 43.1 | _ | 4.2 | 4.8 | 4.9 | 4.9 | - |
| Public building and related furniture | 253 | 41.9 | 43.0 | 40.9 | 41.8 | _ | 5.6 | 6.0 | 5.2 | 6.1 | - |
| . apply perioring and rotated fallitude | 1054 | | 44.0 | 43.0 | 42.6 |] _ | 5.5 | 5.8 | 5.0 | 5.5 | - |
| Partitions and fixtures | 254 | 43.7 | 44.0 | 40.0 | 72.0 | 1 | 0.0 | 0.0 | 3.5 | 4.1 | 1 |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | je weekly e | arnings | , |
|---|-------------|----------------|----------------|----------------|---------------------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Total private | | \$12.68 | \$12.76 | \$13.14 | \$13.16 | \$13.21 | \$441.26 | \$449.15 | \$454.64 | \$456.65 | \$463.67 |
| Goods-producing | | 14.35 | 14.41 | 14.83 | 14.91 | 14.92 | 586.92 | 596.57 | 612.48 | 609.82 | 616.20 |
| Mining | | 16.76 | 16.88 | 16.93 | 17.14 | 17.08 | 735.76 | 742.72 | 748.31 | 764.44 | 760.06 |
| Metal mining | 10 | 18.21 | 18.31 | 18.05 | 18.23 | _ | 819.45 | 822.12 | 805.03 | 833.11 | _ |
| Iron ores | 101 | 19.78 | 20.02 | 19.67 | 20.13 | - | 872.30 | 888.89 | 881.22 | 913.90 | - |
| Copper ores | 102 | 16.40 | 16.40 | 16.38 | 16.44 | _ | 769.16 | 769.16 | 766.58 | 823.64 | _ |
| Coal mining | | 18.95 | 19.01 | 19.35 | 19.51 | - | 811.06 | 845.95 | 870.75 | 852.59 | - |
| Bituminous coal and lignite mining | 122 | 19.24 | 19.28 | 19.61 | 19.79 | - | 817.70 | 859.89 | 890.29 | 868.78 | _ |
| Oil and gas extraction | 13 | 16.61 | 16.76 22.70 | 16.68 22.97 | 17.03 23.31 | - | 712.57 949.88 | 708.95 946.59 | 707.23 927.99 | 740.81 974.36 | _ |
| Crude petroleum and natural gas Oil and gas field services | 138 | 22.35 | 13.84 | 13.29 | 13.47 | _ | 590.30 | 588.20 | 578.12 | 600.76 | - |
| <u>-</u> | | 14.85 | 14.88 | 15.11 | 15.16 | - ! | 709.83 | 712.75 | 720.75 | 717.07 | |
| Nonmetallic minerals, except fuels Crushed and broken stone | 1 | 14.14 | 14.20 | 14.52 | 14.56 | | 708.41 | 711.42 | 717.29 | 714.90 | _ |
| Construction | | 16.66 | 16.77 | 17.08 | 17.23 | 17.27 | 669.73 | 674.15 | 679.78 | 687.48 | 690.80 |
| General building contractors | 15 | 15.84 | 15.99 | 16.31 | 16.39 | _ | 614.59 | 620.41 | 629.57 | 632.65 | - |
| Residential building construction | 152 | 14.71 | 14.91 | 15.18 | 15.13 | - | 548.68 | 557.63 | 566.21 | 564.35 | - |
| Operative builders Nonresidential building construction | | 14.79 | 15.35 16.99 | 14.90 17.48 | 15.03 17.67 | _ | 570.89 679.38 | 578.70 683.00 | 584.08 697.45 | 578.66 706.80 | _ |
| - | j | | | 40.07 | 47.00 | | | 739.79 | | 754.00 | |
| Heavy construction, except building Highway and street construction | | 16.46 16.85 | 16.55 17.06 | 16.87 17.27 | 17.09 17.65 | _ | 734.12 786.90 | 800.11 | 743.97 787.51 | 751.96 806.61 | _ |
| Heavy construction, except highway | 1 - | 16.26 | 16.29 | 16.67 | 16.79 | - | 708.94 | 711.87 | 723.48 | 725.33 | _ |
| Special trade contractors | 17 | 16.98 | 17.08 | 17.38 | 17.53 | _ | 670.71 | 674.66 | 681.30 | 690.68 | _ |
| Plumbing, heating, and air conditioning | 171 | 17.27 | 17.34 | 17.64 | 17.74 | - | 695.98 | 691.87 | 707.36 | 711.37 | - |
| Painting and paper hanging | 172 | 14.97 | 15.33 | 15.47 | 15.38 | - | 573.35 | 588.67 757.35 | 577.03 763.60 | 576.75 773.76 | _ |
| Electrical work | | 18.63 | 18.70 16.91 | 19.09 17.12 | 19.20 17.22 | _ | 754.52 622.17 | 629.05 | 628.30 | 633.70 | _ |
| Carpentry and floor work | 1 | 16.42 | 16.70 | 17.13 | 17.24 | _ | 602.61 | 617.90 | 642.38 | 646.50 | _ |
| Roofing, siding, and sheet metal work | | 15.05 | 15.22 | 15.18 | 15.46 | _ | 555.35 | 561.62 | 549.52 | 570.47 | - |
| Manufacturing | . | 13.38 | 13.45 | 13.91 | 13.92 | 13.93 | 549.92 | 560.87 | 581.44 | 573.50 | 580.88 |
| Durable goods | | 13.77 | 13.92 | 14.40 | 14.38 | 14.44 | 571.46 | 587.42 | 610.56 | 598.21 | 609.37 |
| Lumber and wood products | 24 | 11.17 | 11.18 | 11.45 | 11.51 | 11.55 | 460.20 | 465.09 | 476.32 | 474.21 | 479.33 |
| Logging | 241 | 12.60 | 12.74 11.13 | 13.29 11.36 | 13.33 11.48 | _ | 524.16 467.04 | 533.81 477.48 | 564.83 489.62 | 547.86 486.75 | _ |
| Sawmills and planing mills Sawmills and planing mills, general | 2421 | 11.58 | 11.62 | 11.81 | 11.95 | _ | 490.99 | 504.31 | 516.10 | 512.66 | - |
| Hardwood dimension and flooring mills | | 9.35 | 9.34 | 9.68 | 9.76 | _ | 382.42 | 385.74 | 399.78 | 400.16 | - |
| Millwork, plywood, and structural members | | 11.34 | 11.31 | 11.55 | 11.62 | - | 470.61 | 472.76 | 483.95 | 481.07 | - |
| Millwork | 2431 | 11.28 | 11.34 | 11.51 | 11.53 | - | 464.74 | 469.48 | 477.67 | 470.42 | - |
| Wood kitchen cabinets | 2434 | 11.42 | 11.14 | 11.61 | 11.67 | - | 471.65 | 460.08 | 479.49 | 483.14 | - |
| Hardwood veneer and plywood | 2435 | 10.11 | 10.04 13.62 | 10.29 13.85 | 10.33 14.25 | _ | 404.40 567.59 | 417.66 591.11 | 431.15 602.48 | 417.33 602.78 | - |
| Softwood veneer and plywood | 2430 | 8.86 | 8.92 | 9.24 | 9.21 | _ | 342.00 | 345.20 | 364.06 | 361.03 | _ |
| Wood buildings and mobile homes | 245 | 11.41 | 11.41 | 11.69 | 11.56 | _ | 467.81 | 466.67 | 459.42 | 461.24 | _ |
| Mobile homes | 2451 | 11.57 | 11.56 | 11.90 | 11.75 | - | 476.68 | 469.34 | 467.67 | 470.00 | _ |
| Miscellaneous wood products | 249 | 10.51 | 10.48 | 10.82 | 10.95 | - | 416.20 | 422.34 | 438.21 | 440.19 | - |
| Furniture and fixtures | | 10.91 | 10.96 | 11.16 | 11.25 | 11.28 | 439.67 | 449.36 | 449.75 | 452.25 | 459.10 |
| Household furniture | | 10.32 | 10.32 | 10.62 | 10.64 | - | 402.48 | 410.74 | 414.18 | 410.70 | _ |
| Wood household furniture | | 9.91 | 9.86 | 10.16 | 10.19 | - | 384.51 | 396.37 | 397.26 | 397.41 | _ |
| Upholstered household furniture Metal household furniture | 2514 | 10.99 9.71 | 10.99 9.97 | 11.38 9.89 | 11.30 9.94 | _ | 423.12 372.86 | 425.31 375.87 | 435.85 416.37 | 427.14 400.58 | - |
| Mattresses and bedsprings | 2515 | 10.94 | 10.89 | 11.37 | 11.46 | _ | 446.35 | 451.94 | 451.39 | 452.67 | |
| Office furniture | 252 | 11.76 | 11.82 | 11.78 | 11.87 | - | 484.51 | 496.44 | 503.01 | 511.60 | - |
| Public building and related furniture | 253 | 11.71 | 12.14 | 12.42 | 12.60 | . – | 490.65 | 522.02 | 507.98 | 526.68 | _ |
| Partitions and fixtures | 254 | 11.67 | 11.67 | 11.71 | 11.91 | - | 509.98 | 513.48 | 503.53 | 507.37 | - |
| Miscellaneous furniture and fixtures | 259 | 10.98 | 10.99 | 11.27 | 11.38 | - | 438.10 | 439.60 | 448.55 | 460.89 | _ |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | | Average | e overtim | e hours | |
|---|---|--|--|--|--|---------------------------|---|---|---|--|------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug 1999 |
| Ourable goods—Continued | | | | | | | | | | | |
| Stone, clay, and glass products | 32 | 43.8 | 44.2 | 43.9 | 43.7 | 44.3 | 6.6 | 7.0 | 6.7 | 6.7 | _ |
| Flat glass | | 41.5 | 43.9 | 43.4 | 42.5 | - | 5.3 | 6.5 | 6.3 | 4.3 | _ |
| Glass and glassware, pressed or blown | | 41.9 | 42.1 | 41.6 | 42.1 | _ | 4.7 | 5.2 | 5.2 | 5.8 | _ |
| Glass containers | | 44.6 | 45.2 | 44.2 | 45.6 | _ | 6.9 | 7.5 | 6.6 | 7.1 | _ |
| Pressed and blown glass, nec | | 40.2 | 40.2 | 40.1 | 40.1 | _ | 3.3 | 3.8 | 4.4 | 5.1 | _ |
| Products of purchased glass | | 40.5 | 43.4 | 42.4 | 41.3 | _ | 3.7 | 5.2 | 5.0 | 4.2 | _ ا |
| Cement, hydraulic | | 44.9 | 44.2 | 43.7 | 44.5 | _ | 5.6 | 5.5 | 5.0 | 5.6 | _ |
| Structural clay products | | 41.9 | 41.4 | 41.9 | 42.1 | _ | 4.9 | 5.0 | 5.2 | 5.3 | _ |
| Pottery and related products | | 40.4 | 40.7 | 41.3 | 40.3 | _ | 5.3 | 4.8 | 4.5 | 4.4 | - |
| Concrete, gypsum, and plaster products | | 47.0 | 46.9 | 46.2 | 46.1 | _ | 9.3 | 9.5 | 8.8 | 8.7 | _ ا |
| Concrete block and brick | | 48.3 | 48.8 | 49.1 | 48.7 | _ | 9.8 | 10.4 | 10.9 | 10.4 | |
| Concrete products, nec | | 45.6 | 45.8 | 45.3 | 44.6 | _ | 7.9 | 8.4 | 7.8 | 7.5 | |
| Ready-mixed concrete | | 47.5 | 47.1 | 46.1 | 46.3 | _ | 10.1 | 10.1 | 9.1 | 9.2 | |
| Misc. nonmetallic mineral products | | 42.2 | 42.3 | 43.1 | 42.7 | _ | 5.1 | 5.4 | 5.6 | 5.7 | |
| Abrasive products | | 40.5 | 40.9 | 42.5 | 41.5 | _ | 2.5 | 2.7 | | 3.0 | - |
| | | | | | | _ | | | 3.1 | | |
| Asbestos products | 3292 | 49.0 | 46.7 | 49.8 | 49.5 | _ | 11.1 | 9.5 | 11.8 | 12.3 | ~ |
| Primary metal industries | 33 | 43.1 | 43.8 | 44.4 | 43.6 | 44.1 | 6.0 | 6.2 | 6.5 | 6.4 | ١ _ |
| Blast furnaces and basic steel products | | 43.9 | 44.2 | 45.2 | 44.6 | 44.7 | 6.2 | 6.0 | 6.4 | 6.6 | |
| Blast furnaces and steel mills | | 44.7 | 44.7 | 45.6 | 45.2 | | 6.6 | | 6.7 | 7.1 | |
| | | | | | | _ | | 6.2 | | | |
| Steel pipe and tubes | | 42.0 | 43.6 | 44.3 | 43.0 | _ | 5.6 | 6.1 | 5.6 | 5.5 | - |
| Iron and steel foundries | | 42.8 | 44.0 | 44.6 | 42.8 | _ | 5.5 | 5.9 | 6.7 | 5.7 | - |
| Gray and ductile iron foundries | | 43.0 | 44.8 | 46.2 | 44.1 | _ | 6.2 | 6.8 | 8.0 | 6.7 | - |
| Malleable iron foundries | | 44.4 | 45.1 | 42.2 | 42.5 | - | 3.1 | 5.4 | 5.4 | 5.7 | - |
| Steel foundries, nec | | 41.9 | 42.8 | 42.0 | 39.6 | - | 4.9 | 4.8 | 4.9 | 4.0 | - |
| Primary nonferrous metals | | 42.9 | 42.8 | 43.7 | 44.1 | _ | 5.8 | 6.0 | 6.2 | 6.7 | - |
| Primary aluminum | | 43.7 | 44.0 | 44.3 | 44.1 | _ | 6.1 | 6.5 | 6.7 | 7.1 | - |
| Nonferrous rolling and drawing | | 43.9 | 44.4 | 44.2 | 44.1 | - | 7.3 | 7.4 | 7.4 | 7.8 | - |
| Copper rolling and drawing | | 42.7 | 42.5 | 42.1 | 42.9 | - | 7.0 | 6.9 | 7.3 | 8.2 | _ |
| Aluminum sheet, plate, and foil | | 44.9 | 44.7 | 44.9 | 45.1 | _ | 9.9 | 9.6 | 9.8 | 10.0 | - |
| Nonferrous wire drawing and insulating | | 42.8 | 44.2 | 44.2 | 43.6 | _ | 6.3 | 7.1 | 7.0 | 7.4 | _ |
| Nonferrous foundries (castings) | | 40.5 | 42.6 | 43.8 | 41.8 | _ | 4.2 | 5.0 | 5.3 | 4.6 | _ |
| Aluminum foundries | 3365 | 41.1 | 43.5 | 45.0 | 42.7 | - | 5.0 | 5.3 | 5.7 | 4.8 | - |
| Fabricated metal products | 24 | 41.6 | 42.2 | 42.3 | 41.5 | 42.3 | 4.5 | 4.8 | 4.7 | 4.4 | |
| | | 43.4 | 44.3 | 45.2 | 45.5 | | | | | 7.5 | _ |
| Metal cans and shipping containers | | | | | | - | 7.1 | 7.5 | 7.5 | | - |
| Metal cans | | 43.1 | 44.3 | 45.2 | 45.7 | _ | 6.6 | 7.3 | 7.4 | 7.6 | - |
| Cutlery, handtools, and hardware | 342 | 41.1 | 42.0 | 41.9 | 40.4 | - | 3.9 | 4.3 | 4.1 | 3.7 | - |
| Hand and edge tools, and blades and handsaws | 3423,5 | 41.8 | 43.0 | 41.8 | 41.1 | _ | 4.1 | 4.6 | 3.5 | 3.4 | - |
| Hardware, nec | | 41.4 | 41.8 | 42.7 | 40.5 | _ | 4.1 | 4.3 | 4.7 | 4.1 | - |
| Plumbing and heating, except electric | | 41.4 | 42.4 | 43.1 | 42.1 | _ | 3.6 | 4.0 | 4.6 | 4.7 | - |
| Plumbing fixture fittings and trim | 3432 | 40.9 | 41.0 | 42.5 | 40.5 | - | 3.4 | 3.1 | 4.6 | 4.3 | - |
| Heating equipment, except electric | | 41.4 | 41.9 | 41.4 | 41.7 | | 3.9 | 4.4 | 3.1 | 3.4 | - |
| Fabricated structural metal products | | 42.6 | 42.6 | 41.9 | 41.9 | _ | 5.3 | 5.2 | 4.6 | 4.9 | - |
| | 13441 | 43.7 | 43.7 | 43.1 | 42.9 | - | 6.8 | 6.9 | 5.8 | 6.0 | - |
| Fabricated structural metal | | | | | | | 4.5 | 4.3 | 3.6 | 4.1 | - |
| Metal doors, sash, and trim | 3442 | 41.8 | 41.7 | 40.7 | 41.0 | _ | | | 4.6 | 4.8 | - |
| Metal doors, sash, and trimFabricated plate work (boiler shops) | 3442 3443 | 41.8 43.0 | 41.7 43.1 | 42.0 | 41.7 | - | 5.5 | 5.5 | | | |
| Metal doors, sash, and trim | 3442 3443 3444 | 41.8 43.0 41.6 | 41.7 43.1 41.5 | 42.0 41.4 | 41.7 41.8 | - - | 5.5 4.4 | 4.3 | 4.0 | 4.3 | - |
| Metal doors, sash, and trim | 3442 3443 3444 3446 | 41.8 43.0 41.6 42.0 | 41.7 43.1 41.5 42.3 | 42.0 41.4 41.5 | 41.7 41.8 41.1 | - - - | 5.5 4.4 4.7 | 4.3 4.6 | 4.0 4.3 | 4.1 | - |
| Metal doors, sash, and trim | 3442 3443 3444 3446 345 | 41.8 43.0 41.6 | 41.7 43.1 41.5 42.3 42.8 | 42.0 41.4 41.5 42.7 | 41.7 41.8 41.1 41.0 | - - | 5.5 4.4 | 4.3 4.6 5.0 | 4.0 4.3 4.8 | 4.1 4.2 | - |
| Metal doors, sash, and trim | 3442 3443 3444 3446 345 | 41.8 43.0 41.6 42.0 | 41.7 43.1 41.5 42.3 | 42.0 41.4 41.5 | 41.7 41.8 41.1 41.0 40.5 | - - - | 5.5 4.4 4.7 | 4.3 4.6 | 4.0 4.3 | 4.1 | - |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers | 3442 3443 3444 3446 345 3451 3452 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 | 42.0 41.4 41.5 42.7 41.0 44.6 | 41.7 41.8 41.1 41.0 40.5 41.5 | - - - | 5.5 4.4 4.7 4.4 4.3 4.6 | 4.3 4.6 5.0 4.6 5.5 | 4.0 4.3 4.8 3.8 6.0 | 4.1 4.2 3.5 4.9 | - - - |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings | 3442 3443 3444 3446 345 3451 3452 346 | 41.8 43.0 41.6 42.0 41.4 41.5 | 41.7 43.1 41.5 42.3 42.8 41.7 | 42.0 41.4 41.5 42.7 41.0 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 | - - - - | 5.5 4.4 4.7 4.4 4.3 | 4.3 4.6 5.0 4.6 | 4.0 4.3 4.8 3.8 | 4.1 4.2 3.5 | - - - |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings | 3442 3443 3444 3446 345 3451 3452 346 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 | 42.0 41.4 41.5 42.7 41.0 44.6 | 41.7 41.8 41.1 41.0 40.5 41.5 | - - - - | 5.5 4.4 4.7 4.4 4.3 4.6 | 4.3 4.6 5.0 4.6 5.5 | 4.0 4.3 4.8 3.8 6.0 | 4.1 4.2 3.5 4.9 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings | 3442 3443 3444 3446 345 3451 3452 346 3462 3465 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 42.4 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 | - - - - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 | 4.3 4.6 5.0 4.6 5.5 5.1 | 4.0 4.3 4.8 3.8 6.0 5.5 | 4.1 4.2 3.5 4.9 4.1 | - - - - |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings | 3442 3443 3444 3446 345 3451 3452 346 3462 3465 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 42.4 43.2 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 | - - - - - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 | 4.3 4.6 5.0 4.6 5.5 5.1 6.0 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 | 4.1 4.2 3.5 4.9 4.1 4.4 | - |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings | 3442 3443 3444 3446 345 3451 3452 346 3462 3465 3469 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 39.4 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 42.4 43.2 42.5 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 41.7 | - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 | 4.3 4.6 5.0 4.6 5.5 5.1 6.0 4.8 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 | 4.1 4.2 3.5 4.9 4.1 4.4 4.0 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings Metal stampings, nec | 3442 3443 3444 3446 345 3451 3452 346 3462 3465 3469 347 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 39.4 40.2 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 42.4 43.2 42.5 41.4 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 41.4 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 41.7 40.5 | - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 4.0 | 4.3 4.6 5.0 4.6 5.5 5.1 6.0 4.8 4.5 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 | 4.1 4.2 3.5 4.9 4.1 4.4 4.0 3.8 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings Metal stampings, nec Metal services, nec Plating and polishing | 3442 3443 3444 345 345 3451 3452 346 3462 3465 3465 347 347 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 39.4 40.2 41.3 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 42.4 43.2 42.5 41.4 41.5 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 41.4 41.9 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 41.7 40.5 41.2 | - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 4.0 4.8 | 4.3 4.6 5.0 4.6 5.5 5.1 6.0 4.8 4.5 4.9 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 4.2 4.9 | 4.1 4.2 3.5 4.9 4.1 4.4 4.0 3.8 4.5 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings Metal stampings, nec Metal services, nec Plating and polishing Metal coating and allied services | 3442 3443 3444 345 345 3451 3452 346 3462 3465 3465 347 3471 3471 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 39.4 40.2 41.3 40.9 41.9 | 41.7 43.1 41.5 42.3 42.8 41.7 44.0 42.4 43.2 42.5 41.4 41.5 41.0 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 41.4 41.9 41.2 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 41.7 40.5 41.2 40.7 42.0 | - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 4.0 4.8 4.8 4.9 | 4.3 4.6 5.0 4.6 5.5 5.1 6.0 4.8 4.5 4.9 5.0 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 4.2 4.9 4.6 5.4 | 4.1 4.2 3.5 4.9 4.1 4.4 4.0 3.8 4.5 4.3 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings Metal stampings, nec Metal services, nec Plating and polishing Metal coating and allied services Ordnance and accessories, nec | 3442 3443 3444 3446 345 3451 3452 346 3462 3465 3469 347 3471 3479 348 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 39.4 40.2 41.3 40.9 41.9 39.7 | 41.7 43.1 41.5 42.8 41.7 44.0 42.4 43.2 42.5 41.4 41.5 41.0 42.2 39.7 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 41.4 41.9 41.2 43.1 42.0 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 41.7 40.5 41.2 40.7 42.0 41.8 | - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 4.0 4.8 4.8 4.9 3.4 | 4.3 4.6 5.0 4.6 5.5 5.1 6.8 4.5 4.9 5.0 3.5 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 4.2 4.9 4.6 5.4 3.8 | 4.1 4.2 3.5 4.9 4.1 4.4 4.0 3.8 4.5 4.3 4.8 3.8 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings Metal stampings, nec Metal services, nec Plating and polishing Metal coating and allied services Ordnance and accessories, nec Ammunition, except for small arms, nec | 3442 3443 3444 3446 345 3451 3452 346 3465 3465 3469 347 3471 3479 348 3483 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 40.2 41.3 40.9 41.9 39.7 41.9 | 41.7 43.1 41.5 42.8 41.7 44.0 42.4 43.2 41.4 41.5 41.0 42.5 41.4 41.5 41.0 42.2 39.7 43.2 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 41.4 41.9 41.2 43.3 | 41.7 41.8 41.1 40.5 41.5 41.2 40.8 41.7 40.5 41.2 40.7 42.0 41.8 43.0 | | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 4.0 4.8 4.8 4.9 3.4 3.6 | 4.3 4.6 5.0 4.6 5.5 5.1 6.0 4.8 4.5 4.9 5.0 3.5 3.9 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 4.9 4.6 5.4 3.8 2.9 | 4.1 4.2 3.5 4.9 4.1 4.0 3.8 4.5 4.3 4.8 3.8 3.0 | |
| Metal doors, sash, and trim Fabricated plate work (boiler shops) Sheet metal work Architectural metal work Screw machine products, bolts, etc Screw machine products Bolts, nuts, rivets, and washers Metal forgings and stampings Iron and steel forgings Automotive stampings Metal stampings, nec Metal services, nec Plating and polishing Metal coating and allied services Ordnance and accessories, nec | 3442 3443 3444 3446 345 3451 3452 346 3462 3465 3465 3469 347 3471 3479 348 3483 349 | 41.8 43.0 41.6 42.0 41.4 41.5 41.3 40.4 41.5 39.4 40.2 41.3 40.9 41.9 39.7 | 41.7 43.1 41.5 42.8 41.7 44.0 42.4 43.2 42.5 41.4 41.5 41.0 42.2 39.7 | 42.0 41.4 41.5 42.7 41.0 44.6 43.4 40.7 45.2 41.4 41.9 41.2 43.1 42.0 | 41.7 41.8 41.1 41.0 40.5 41.5 41.2 40.8 41.7 40.5 41.2 40.7 42.0 41.8 | - | 5.5 4.4 4.7 4.4 4.3 4.6 3.9 5.7 2.4 4.0 4.8 4.8 4.9 3.4 | 4.3 4.6 5.0 4.6 5.5 5.1 6.8 4.5 4.9 5.0 3.5 | 4.0 4.3 4.8 3.8 6.0 5.5 4.4 6.7 4.2 4.9 4.6 5.4 3.8 | 4.1 4.2 3.5 4.9 4.1 4.4 4.0 3.8 4.5 4.3 4.8 3.8 | |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|--|-------------|----------------|----------------|----------------|---------------------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| ourable goods—Continued | | | | | | | | | | | 1 |
| Stone, clay, and glass products | 32 | \$13.59 | \$13.63 | \$13.94 | \$14.01 | \$13.91 | \$595.24 | \$602.45 | \$611.97 | \$612.24 | \$616.21 |
| Flat glass | 321 | 17.60 | 17.87 | 18.64 | 18.40 | _ | 730.40 | 784.49 | 808.98 | 782.00 | _ |
| Glass and glassware, pressed or blown | 322 | 15.66 | 15.54 | 15.87 | 15,91 | | 656.15 | 654.23 | 660.19 | 669.81 | - |
| Glass containers | 3221 | 16.52 | 16.55 | 17.02 | 16.98 | _ | 736.79 | 748.06 | 752.28 | 774.29 | |
| Pressed and blown glass, nec | 3229 | 15.05 | 14.85 | 15.14 | 15.20 | _ | 605.01 | 596.97 | 607.11 | 609.52 | _ |
| Products of purchased glass | | 11.71 | 11.88 | 12.63 | 12.39 | _ ' | 474.26 | 515.59 | 535.51 | 511.71 | - |
| Cement, hydraulic | | 18.15 | 18.20 | 18.74 | 18.85 | _ | 814.94 | 804.44 | 818.94 | 838.83 | _ |
| Structural clay products | 325 | 11.89 | 11.89 | 12.36 | 12.33 | - | 498.19 | 492.25 | 517.88 | 519.09 | - |
| Pottery and related products | | 12.06 | 12.12 | 11.99 | 12.21 | _ | 487.22 | 493.28 | 495.19 | 492.06 | l – |
| Concrete, gypsum, and plaster products | 327 | 13.26 | 13.32 | 13.55 | 13.69 | - | 623.22 | 624.71 | 626.01 | 631.11 | i - |
| Concrete block and brick | 3271 | 12.63 | 12.62 | 13.29 | 13.37 | _ | 610.03 | 615.86 | 652.54 | 651.12 | - |
| Concrete products, nec | 3272 | 11.78 | 11.88 | 12.04 | 12.17 | _ | 537.17 | 544.10 | 545.41 | 542.78 | - |
| Ready-mixed concrete | 3273 | 14.12 | 14.18 | 14.46 | 14.57 | | 670.70 | 667.88 | 666.61 | 674.59 | - |
| Misc. nonmetallic mineral products | 329 | 13.78 | 13.79 | 14.14 | 14.22 | - | 581.52 | 583.32 | 609.43 | 607.19 | - |
| Abrasive products | 3291 | 12.25 | 12.27 | 13.10 | 13.35 | _ | 496.13 | 501.84 | 556.75 | 554.03 | - |
| Asbestos products | 3292 | 15.80 | 15.50 | 14.63 | 14.76 | - | 774.20 | 723.85 | 728.57 | 730.62 | _ |
| Primary metal industries | 33 | 15.56 | 15.45 | 15.91 | 16.04 | 15.97 | 670.64 | 676.71 | 706.40 | 699.34 | 704.2 |
| Blast furnaces and basic steel products | 331 | 18.50 | 18.46 | 19.05 | 19.19 | 18.97 | 812.15 | 815.93 | 861.06 | 855.87 | 847.9 |
| Blast furnaces and steel mills | | 20.12 | 20.13 | 20.86 | 20.95 | | 899.36 | 899.81 | 951.22 | 946.94 | 0-7.0 |
| Steel pipe and tubes | 3317 | 14.24 | 14.17 | 14.15 | 14.23 | _ | 598.08 | 617.81 | 626.85 | 611.89 | l _ |
| Iron and steel foundries | | 13.79 | 13.83 | 14.13 | 14.64 | _ | 590.21 | 608.52 | 667.66 | 626.59 | <u> </u> |
| Gray and ductile iron foundries | 3321 | 14.43 | 14.52 | 15.71 | 15.22 | _ | 620.49 | 650.50 | 725.80 | 671.20 | l _ |
| Malleable iron foundries | 3322 | 15.80 | 15.38 | 15.19 | 14.81 | _ | 701.52 | 693.64 | 641.02 | 629.43 | _ |
| Steel foundries, nec | 3325 | 13.30 | 13.30 | 14.00 | 13.97 | _ | 557.27 | 569.24 | 588.00 | 553.21 | <u> </u> |
| Primary nonferrous metals | | 17.19 | 17.15 | 17.43 | 18.07 | _ | 737.45 | 734.02 | 761.69 | 796.89 | _ |
| Primary aluminum | | 17.13 | 17.01 | 17.56 | 18.43 | _ | 748.58 | 748.44 | 777.91 | 812.76 | \ _ |
| Nonferrous rolling and drawing | 335 | 14.63 | 14.51 | 14.38 | 14.60 | _ | 642.26 | 644.24 | 635.60 | 643.86 | l _ |
| Copper rolling and drawing | 3351 | 15.07 | 15.17 | 15.45 | 15.72 | _ | 643.49 | 644.73 | 650.45 | 674.39 |) _ |
| Aluminum sheet, plate, and foil | | 17.05 | 16.99 | 17.13 | 17.72 | _ | 765.55 | 759.45 | 769.14 | 799.17 | l _ |
| Nonferrous wire drawing and insulating | | 14.78 | 14.55 | 14.02 | 14.15 | _ | 632.58 | 643.11 | 619.68 | 616.94 | _ |
| Nonferrous foundries (castings) | | 12.31 | 12.32 | 12.75 | 12.82 | _ | 498.56 | 524.83 | 558.45 | 535.88 | _ |
| Aluminum foundries | 3365 | 11.82 | 11.77 | 12.11 | 12.31 | _ | 485.80 | 512.00 | 544.95 | 525.64 | - |
| | | 40.00 | 40.04 | 40.40 | 40.40 | 40.50 | 505.04 | 550.00 | 500.00 | EE0 E0 | 574.0 |
| Fabricated metal products | 34 | 12.88 | 13.04 | 13.46 | 13.46 | 13.52 | 535.81 | 550.29 | 569.36 | 558.59 | 571.9 |
| Metal cans and shipping containers | | 16.81 | 16.70 | 16.82 | 16.83 | - | 729.55 | 739.81 | 760.26 | 765.77 | - |
| Metal cans | | 17.98 | 17.74 | 17.88 | 17.78 | - | 774.94 | 785.88 | 808.18 | 812.55 | - |
| Cutlery, handtools, and hardware | | 12.36 | 12.28 | 12.38 | 12.48 | - | 508.00 | 515.76 | 518.72 | 504.19 | - |
| Hand and edge tools, and blades and handsaws | 3423,5 | 12.27 | 12.21 | 12.67 | 12.81 | - | 512.89 | 525.03 | 529.61 | 526.49 | - |
| Hardware, nec | 3429 | 12.60 | 12.44 | 12.25 | 12.33 | | 521.64 | 519.99 | 523.08 | 499.37 | - |
| Plumbing and heating, except electric | | 11.77 | 11.91 | 12.10 | 12.15 | - | 487.28 | 504.98 | 521.51 | 511.52 | - |
| Plumbing fixture fittings and trim | 3432 | 11.47 | 11.47 | 11.60 | 11.79 | - | 469.12 | 470.27 | 493.00 | 477.50 | - |
| Heating equipment, except electric | | 12.15 | 12.47 | 12.40 | 12.24 | - 1 | 503.01 | 522.49 | 513.36 | 510.41 | - |
| Fabricated structural metal products | | 12.50 | 12.54 | 12.88 | 13.01 | - | 532.50 | 534.20 | 539.67 | 545.12 | - |
| Fabricated structural metal | | 12.88 | 12.91 | 13.27 | 13.36 | - | 562.86 | 564.17 | 571.94 | 573.14 | |
| Metal doors, sash, and trim | | 10.66 | 10.63 | 10.79 | 10.95 | - | 445.59 | 443.27 | 439.15 597.24 | 448.95 | - |
| Fabricated plate work (boiler shops) | | 13.71 | 13.80 | 14.22 | 14.36 | - | 589.53 | 594.78 | | 598.81 560.96 | - |
| Sheet metal work | 3444 | 12.78 | 12.85 | 13.28 | 13.42 | - | 531.65 491.82 | 533.28 494.91 | 549.79 | 512.52 | l - |
| Architectural metal work | 3440 | 11.71 13.24 | 11.70 13.32 | 12.34 13.74 | 12.47 13.81 | _ | 548.14 | 570.10 | 512.11 586.70 | 566.21 | - |
| Screw machine products, bolts, etc | | 12.68 | 12.66 | 12.96 | 13.06 | _ | 526.22 | 527.92 | 531.36 | 528.93 | |
| Bolts, nuts, rivets, and washers | | 13.88 | 14.04 | 14.55 | 14.63 | _ | 573.24 | 617.76 | 648.93 | 607.15 | _ |
| Metal forgings and stampings | | 14.39 | 15.07 | 15.92 | 15.63 | _ | 581.36 | 638.97 | 690.93 | 643.96 | l _ |
| Iron and steel forgings | | 14.47 | 14.64 | 15.13 | 15.13 | _ | 600.51 | 632.45 | 615.79 | 617.30 | i _ |
| Automotive stampings | 3465 | 15.99 | 17.16 | 18.21 | 17.73 | _ | 630.01 | 729.30 | 823.09 | 739.34 | _ |
| Metal stampings, nec | 3469 | 12.62 | 12.62 | 13.13 | 13.23 | _ | 507.32 | 522.47 | 543.58 | 535.82 | |
| Metal services, nec | | 11.18 | 11.14 | 11.51 | 11.56 | _ | 461.73 | 462.31 | 482.27 | 476.27 | _ |
| Plating and polishing | | 10.97 | 10.98 | 11.38 | 11.42 | - | 448.67 | 450.18 | 468.86 | 464.79 | - |
| Metal coating and allied services | | 11.52 | 11.39 | 11.71 | 11.42 | _ | 482.69 | 480.66 | 504.70 | 494.34 | l - |
| Ordnance and accessories, nec | | 15.57 | 15.46 | 15.17 | 15.31 | _ | 618.13 | 613.76 | 637.14 | 639.96 | _ |
| Ordinance and accessories, nec | | 16.50 | 16.45 | 16.02 | 16.01 | _ | 691.35 | 710.64 | 693.67 | 688.43 | _ |
| | | 10.00 | 10.40 | 10.02 | 10,01 | } | 031.33 | 7 10.04 | 033.07 | UUU.43 i | _ |
| Ammunition, except for small arms, nec | | | 12 54 | 1290 | 12 08 | _ 1 | 517 an | 520 41 | 537 03 | | _ |
| | 349 | 12.54 12.94 | 12.54 12.86 | 12.90 13.13 | 12.98 13.28 | _ | 517.90 537.01 | 520.41 536.26 | 537.93 533.08 | 534.78 535.18 | _ |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | | Average | e overtim | e hours | |
|---|-------------|--------------|--------------|--------------|---------------|---------------------------|--------------|--------------|--------------|---------------------------|-------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug 1999 |
| Ourable goods—Continued | | | | | | | | | | | |
| Industrial machinery and equipment | 35 | 42.3 | 42.6 | 42.1 | 41.7 | 42.1 | 4.8 | 4.9 | 4.7 | 4.6 | |
| Engines and turbines | | 43.5 | 44.1 | 43.9 | 42.6 | ~ | 5.1 | 5.5 | 6.4 | 5.7 | _ |
| Turbines and turbine generator sets | | 42.0 | 42.5 | 44.7 | 45.3 | - | 3.3 | 4.1 | 6.1 | 5.8 | |
| Internal combustion engines, nec | | 44.0 | 44.6 | 43.6 | 41.8 | | 5.7 | 6.0 | 6.5 | 5.6 | |
| Farm and garden machinery | | 39.9 | 41.2 | 40.0 | 39.6 | _ | 2.9 | 3.3 | 2.3 | 2.1 | _ |
| Farm machinery and equipment | | 41.0 | 41.7 | 40.7 | 40.3 | _ | 3.4 | 3.5 | 2.7 | 2.6 | _ ا |
| Construction and related machinery | | 43.5 | 43.6 | 42.6 | 42.1 | _ | 5.6 | 5.6 | 4.9 | 4.8 | |
| Construction machinery | | 42.4 | 42.4 | 43.1 | 42.3 | _ | 4.8 | 4.7 | 4.9 | 4.7 | - |
| Mining machinery | | 41.0 | 40.6 | 40.4 | 39.9 | _ | 3.8 | 3.8 | 2.8 | 2.9 | _ |
| Oil and gas field machinery | | 47.8 | 48.4 | 44.0 | 43.9 | _ | 8.9 | 9.2 | 7.9 | 7.4 | _ ا |
| Conveyors and conveying equipment | | 42.1 | 42.7 | 41.7 | 42.0 | l _ | 5.1 | 5.1 | 4.4 | 4.6 | ١ ـ |
| Industrial trucks and tractors | | 41.3 | 41.0 | 41.6 | 41.2 | l _ | 4.1 | 4.1 | 3.6 | 3.4 | _ |
| Metalworking machinery | | 42.5 | 42.9 | 42.9 | 42.3 | _ | 5.3 | 5.3 | 5.3 | 5.2 | |
| Machine tools, metal cutting types | | 43.3 | 43.0 | 42.1 | 42.1 | i _ | 4.9 | 5.1 | 4.4 | 3.9 | |
| Machine tools, metal forming types | | 43.6 | 43.4 | 43.0 | 43.2 | _ | 5.4 | 5.4 | 5.1 | 5.1 | - |
| Special dies, tools, jigs, and fixtures | | 42.8 | 43.4 | 43.5 | 43.1 | _ | 5.8 | 6.0 | 5.9 | 5.9 | |
| Machine tool accessories | | 41.9 | 42.3 | 41.2 | 40.3 | _ | 4.2 | 4.0 | 3.9 | 4.2 |]] |
| Power driven handtools | | | 42.3 | 42.3 | 41.1 | - | | | | 3.3 | |
| | | 42.2 | | | | | 4.9 | 4.1 | 3.8 | 1 | ! |
| Special industry machinery | | 41.4 | 41.6 | 41.7 | 41.0 | - | 4.2 | 4.3 | 4.2 | 4.1 | - |
| Textile machinery | | 40.4 | 39.6 | 40.9 | 39.5 | - | 3.3 | 2.8 | 3.8 | 3.8 | - |
| Printing trades machinery | | 40.8 | 42.4 | 40.3 | 39.2 | ՝ - | 4.2 | 5.0 | 3.2 | 3.2 | } - |
| Food products machinery | | 41.4 | 41.8 | 42.1 | 41.8 | - | 4.2 | 4.1 | 4.2 | 4.2 | - |
| General industrial machinery | | 41.7 | 42.0 | 41.7 | 41.3 | - | 4.4 | 4.6 | 4.3 | 4.4 | - |
| Pumps and pumping equipment | | 40.4 | 40.7 | 40.7 | 39.6 | - | 4.0 | 4.4 | 3.9 | 3.9 | - |
| Ball and roller bearings | | 41.8 | 43.3 | 41.6 | 40.8 | - | 5.4 | 6.1 | 5.2 | 5.3 | - |
| Air and gas compressors | | 42.1 | 42.3 | 42.2 | 41.4 | - | 3.8 | 4.0 | 4.0 | 4.1 | - |
| Blowers and fans | | 43.1 | 43.3 | 43.1 | 42.7 | | 4.4 | 4.5 | 3.7 | 4.2 | - |
| Speed changers, drives, and gears | 3566 | 41.1 | 41.8 | 40.6 | 41.1 | - | 4.6 | 5.0 | 3.9 | 4.2 | - |
| Power transmission equipment, nec | 3568 | 41.8 | 40.7 | 41.1 | 41.2 | - | 4.8 | 3.9 | 3.9 | 4.2 | - |
| Computer and office equipment | 357 | 40.8 | 41.7 | 41.0 | 40.8 | i – ' | 3.6 | 3.6 | 3.4 | 3.7 | - |
| Electronic computers | | 41.4 | 42.0 | 40.9 | 40.4 | - | 4.4 | 4.2 | 3.4 | 3.6 | - |
| Computer terminals, calculators, and | 1 1 | | İ | | | Į. | | | | |] |
| office machines, nec | 3575,8,9 | 41.2 | 40.6 | 40.8 | 41.4 | - | 3.4 | 3.2 | 3.7 | 4.2 | - |
| Refrigeration and service machinery | | 44.8 | 44.3 | 42.6 | 42.3 | _ | 6.1 | 6.0 | 5.5 | 5.6 | |
| Refrigeration and heating equipment | | 46.1 | 45.2 | 43.1 | 43.0 | l – | 7.0 | 6.7 | 6.2 | 6.3 | - |
| Misc. industrial and commercial machinery | | 41.7 | 42.1 | 42.1 | 41.9 | l – | 4.8 | 5.1 | 4.8 | 4.6 | - |
| Carburetors, pistons, rings, valves | 3592 | 38.8 | 40.6 | 40.9 | 40.6 | l – | 4.2 | 5.2 | 5.6 | 5.3 | - |
| Scales, balances, and industrial machinery, nec . | 1 . | 41.8 | 42.2 | 42.3 | 42.1 | - | 4.9 | 5.1 | 4.9 | 4.7 | - |
| Electronic and other electrical equipment | 36 | 40.6 | 41.5 | 41.5 | 40.8 | 41.2 | 3.5 | 3.8 | 3.9 | 3.8 | - |
| Electric distribution equipment | | 40.0 | 41.2 | 42.2 | 42.1 | - | 3.4 | 4.2 | 4.8 | 5.0 | ~ |
| Transformers, except electronic | | 40.7 | 41.5 | 43.3 | 42.9 | - | 2.5 | 3.3 | 4.8 | 4.8 | - |
| Switchgear and switchboard apparatus | | 39.4 | 41.0 | 41.1 | 41.3 | - | 4.2 | 4.9 | 4.9 | 5.2 | - |
| Electrical industrial apparatus | | 41.1 | 41.0 | 41.7 | 41.5 | | 3.6 | 3.4 | 3.7 | 3.6 | - |
| Motors and generators | | 41.7 | 41.2 | 42.8 | 42.7 | - | 3.8 | 3.7 | 4.1 | 3.9 | - |
| Relays and industrial controls | | 39.5 | 40.2 | 40.0 | 39.4 | - | 2.9 | 2.7 | 3.1 | 3.0 | - |
| Household appliances | 363 | 40.0 | 41.1 | 40.0 | 39.3 | - | 2.6 | 2.7 | 1.7 | 2.5 | - |
| Household refrigerators and freezers | 3632 | 42.9 | 43.4 | 39.9 | 39.6 | - 1 | 3.3 | 2.9 | 1.1 | 2.4 | - |
| Household laundry equipment | 3633 | 37.4 | 38.1 | 39.0 | 36.4 | - | 1.3 | 1.2 | 2.1 | 2.4 | - |
| Electric housewares and fans | | 40.2 | 40.2 | 40.1 | 39.8 | l | 2.2 | 2.9 | 1.3 | 2.1 | - ا |
| Electric lighting and wiring equipment | | 40.1 | 40.9 | 41.5 | 40.7 | _ | 3.4 | 4.0 | 4.3 | 3.8 | ١ - |
| Electric lamps | | 38.5 | 40.6 | 42.5 | 42.3 | _ | 3.0 | 4.1 | 4.4 | 4.1 | |
| Current-carrying wiring devices | | 40.2 | 39.9 | 40.5 | 40.7 | _ ' | 3.4 | 3.7 | 3.8 | 3.9 | ۱ - |
| Noncurrent-carrying wiring devices | | 41.8 | 41.5 | 41.9 | 40.3 | _ | 3.4 | 3.8 | 4.6 | 3.6 | ١. |
| Residential lighting fixtures | | 39.2 | 38.3 | 40.5 | 40.1 | _ | 2.6 | 3.2 | 3.1 | 3.9 | Ι. |
| Household audio and video equipment | | 39.2 | 40.9 | 38.7 | 38.1 | _ | 4.0 | 4.5 | 4.6 | 4.7 | ١. |
| Household audio and video equipment | | 38.1 | 40.5 | 39.1 | 38.2 | _ | 3.1 | 3.6 | 3.4 | 2.7 | |
| Communications equipment | | 42.6 | 43.3 | 41.4 | 40.9 | - | 3.4 | 3.8 | 3.3 | 3.2 | |
| Telephone and telegraph apparatus | | 45.2 | 45.7 | 43.1 | 43.1 | - | 4.7 | 4.4 | 3.9 | 4.0 | |
| Electronic components and accessories | | 40.4 | 41.3 | 41.9 | 41.3 | - | 3.6 | 3.8 | 4.2 | 4.0 | |
| Electronic components and accessories | | 41.5 | 42.7 | 44.0 | 38.2 | _ | 3.4 | 4.0 | 3.6 | 3.1 | 1 - |
| Semiconductors and related devices | | 41.8 | 42.7 | 42.6 | 42.6 | - | 4.6 | 4.6 | 4.9 | 5.0 | - |
| | | | | | | i | | | | 3.6 | |
| Electronic components, nec | | 40.6 | 41.0 | 41.7 | 40.6 | _ | 3.2 | 3.4 | 3.9 | | - |
| Misc. electrical equipment and supplies | | 40.5 | 42.2 | 42.1 | 40.1 | - | 3.3 | 4.6 | 4.5 | 3.6 | - |
| Storage batteries | | 41.8 | 43.9 | 42.9 | 41.6 | - | 4.5 | 5.0 | 5.4 | 5.1 | - |
| Engine electrical equipment | 13694 | 40.9 | 42.5 | 42.8 | 40.0 | - | 3.5 | 5.4 | 5.3 | 3.8 | - |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | amings | | | Averag | e weekly e | arnings | |
|--|----------------|----------------|----------------|----------------|---------------------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Durable goods—Continued | | ! | | | | | | | | | |
| Industrial machinery and equipment | 35 | \$14.43 | \$14.46 | \$14.99 | \$15.06 | \$15.14 | \$610.39 | \$616.00 | \$631.08 | \$628.00 | \$637.39 |
| Engines and turbines | 351 | 17.54 | 17.13 | 17.91 | 17.92 | _ | 762.99 | 755.43 | 786.25 | 763.39 | - |
| Turbines and turbine generator sets | | 19.26 | 19.05 | 20.78 | 21.04 | _ | 808.92 | 809.63 | 928.87 | 953.11 | - |
| Internal combustion engines, nec | 3519 | 16.95 | 16.50 | 17.04 | 16.91 | - | 745.80 | 735.90 | 742.94 | 706.84 | - |
| Farm and garden machinery | 352 | 14.13 | 13.98 | 13.86 | 14.00 | - | 563.79 | 575.98 | 554.40 | 554.40 | - |
| Farm machinery and equipment | 3523 | 14.62 | 14.47 | 14.65 | 14.68 | - | 599.42 | 603.40 | 596.26 | 591.60 | _ |
| Construction and related machinery | 353 | 13.63 | 13.74 13.90 | 14.11 | 14.22 14.26 | _ | 592.91 588.09 | 599.06 589.36 | 601.09 605.56 | 598.66 603.20 | _ |
| Construction machinery Mining machinery | 3533 | 13.87 14.53 | 14.73 | 14.65 | 14.49 | _ | 595.73 | 598.04 | 591.86 | 578.15 | _ |
| Oil and gas field machinery | 3532 | 13.66 | 13.81 | 14.73 | 14.70 | _ | 652.95 | 668.40 | 648.12 | 645.33 | l _ |
| Conveyors and conveying equipment | 3535 | 13.60 | 13.84 | 14.40 | 14.60 | _ | 572.56 | 590.97 | 600.48 | 613.20 | _ |
| Industrial trucks and tractors | | 12.78 | 12.98 | 13.08 | 13.02 | _ | 527.81 | 532.18 | 544.13 | 536.42 | _ |
| Metalworking machinery | | 15.32 | 15.27 | 15.80 | 15.99 | _ | 651.10 | 655.08 | 677.82 | 676.38 | - |
| Machine tools, metal cutting types | 3541 | 15.08 | 15.02 | 15.67 | 15.77 | - 1 | 652.96 | 645.86 | 659.71 | 663.92 | - |
| Machine tools, metal forming types | 3542 | 15.73 | 15.71 | 16.26 | 16.22 | - | 685.83 | 681.81 | 699.18 | 700.70 | - |
| Special dies, tools, jigs, and fixtures | 3544 | 16.08 | 15.98 | 16.51 | 16.77 | - | 688.22 | 693.53 | 718.19 | 722.79 | - |
| Machine tool accessories | 3545 | 13.38 | 13.37 | 13.95 | 14.13 | - | 560.62 | 565.55 | 574.74 | 569.44 | _ |
| Power driven handtools | 3546 | 12.61 | 12.51 | 12.65 | 12.68 | | 532.14 | 529.17 | 535.10 | 521.15 | - |
| Special industry machinery | 355 | 15.01 | 15.08 | 15.64 | 15.67 | - | 621.41 | 627.33 | 652.19 | 642.47 | - |
| Textile machinery | 3552 | 13.07 | 13.13 | 13.54 | 13.71 | - | 528.03 | 519.95 | 553.79 | 541.55 | } - |
| Printing trades machinery | 3555 | 16.21 | 16.51 | 15.99 | 16.01 | - | 661.37 | 700.02 | 644.40 | 627.59 636.20 | _ |
| Food products machinery | 3556 | 14.77 | 14.76 | 15.12 | 15.22 | - | 611.48 583.38 | 616.97 589.26 | 636.55 596.31 | 593.07 | _ |
| General industrial machinery | 350 | 13.99 14.63 | 14.03 14.82 | 14.30 15.23 | 14.36 15.03 | _ | 591.05 | 603.17 | 619.86 | 595.07 | _ |
| Pumps and pumping equipmentBall and roller bearings | 3563 | 14.63 | 15.01 | 15.23 | 15.03 | _ | 625.33 | 649.93 | 635.23 | 624.65 | _ |
| Air and gas compressors | | 14.85 | 14.89 | 14.55 | 14.54 | _ | 625.19 | 629.85 | 614.01 | 601.96 | _ |
| Blowers and fans | 3564 | 11.73 | 11.67 | 11.78 | 11.91 | _ | 505.56 | 505.31 | 507.72 | 508.56 | _ |
| Speed changers, drives, and gears | | 14.86 | 14.95 | 15.72 | 16.04 | _ | 610.75 | 624.91 | 638.23 | 659.24 | _ |
| Power transmission equipment, nec | | 13.63 | 13.61 | 14.02 | 14.17 | _ : | 569.73 | 553.93 | 576.22 | 583.80 | |
| Computer and office equipment | 357 | 15.44 | 15.48 | 16.49 | 16.66 | - | 629.95 | 645.52 | 676.09 | 679.73 | - |
| Electronic computers | 3571 | 16.78 | 17.02 | 18.52 | 18.66 | - ' | 694.69 | 714.84 | 757.47 | 753.86 | - |
| Computer terminals, calculators, and | | | | | | | | | | | |
| office machines, nec | 3575,8,9 | 14.09 | 13.80 | 14.33 | 14.47 | - ' | 580.51 | 560.28 | 584.66 | 599.06 | - |
| Refrigeration and service machinery | 358 | 12.92 | 13.01 | 13.72 | 13.66 | - ' | 578.82 | 576.34 | 584.47 | 577.82 | - |
| Refrigeration and heating equipment | | 13.21 | 13.29 | 14.06 | 13.99 | - | 608.98 | 600.71 | 605.99 | 601.57 | - |
| Misc. industrial and commercial machinery | 359 | 14.04 | 14.06 | 14.51 | 14.54 | - | 585.47 | 591.93 | 610.87 | 609.23 | - |
| Carburetors, pistons, rings, valvesScales, balances, and industrial machinery, nec | 3592 3596,9 | 14.48 13.91 | 14.56 13.92 | 15.15 14.38 | 14.72 14.47 | - - | 561.82 581.44 | 591.14 587.42 | 619.64 608.27 | 597.63 609.19 | _ |
| Electronic and other electrical equipment | 36 | 13.13 | 13.10 | 13.40 | 13.49 | 13.42 | 533.08 | 543.65 | 556.10 | 550.39 | 552.9 |
| Electric distribution equipment | | 13.00 | 13.14 | 13.08 | 13.03 | - ' | 520.00 | 541.37 | 551.98 | 548.56 | - |
| Transformers, except electronic | 3612 | 12.04 | 12.10 | 12.07 | 12.00 | | 490.03 | 502.15 | 522.63 | 514.80 | - |
| Switchgear and switchboard apparatus | 3613 | 13.82 | 14.03 | 14.02 | 13.99 | - ' | 544.51 | 575.23 | 576.22 | 577.79 | _ |
| Electrical industrial apparatus | 362 | 12.43 | 12.53 | 12.91 | 12.96 | - | 510.87 | 513.73 | 538.35 | 537.84 | , – |
| Motors and generators | 3621 | 11.56 | 11.61 | 11.80 | 11.98 | - ! | 482.05 | 478.33 | 505.04 | 511.55 | - |
| Relays and industrial controls | | 14.10 | 14.21 | 14.89 | 14.71 | _ | 556.95 500.00 | 571.24 516.22 | 595.60 512.40 | 579.57 518.76 | _ |
| Household appliances | 363 | 12.50 13.49 | 12.56 13.70 | 12.81 14.20 | 13.20 14.92 | _ | 578.72 | 594.58 | 566.58 | 590.83 | _ |
| Household refrigerators and freezers | 3633 | 14.21 | 13.79 | 13.84 | 14.13 | | 531.45 | 525.40 | 539.76 | 514.33 | |
| Electric housewares and fans | 3634 | 11.08 | 11.21 | 11.16 | 11.28 | _ ' | 445.42 | 450.64 | 447.52 | 448.94 | _ |
| Electric lighting and wiring equipment | 364 | 12.69 | 12.68 | 12.99 | 13.09 | _ | 508.87 | 518.61 | 539.09 | 532.76 | _ |
| Electric lamps | | 17.01 | 17.04 | 17.10 | 17.75 | _ : | 654.89 | 691.82 | 726.75 | 750.83 | _ |
| Current-carrying wiring devices | | 13.03 | 13.10 | 13.47 | 13.43 | _ | 523.81 | 522.69 | 545.54 | 546.60 | _ |
| Noncurrent-carrying wiring devices | 3644 | 11.73 | 11.80 | 12.16 | 12.12 | - | 490.31 | 489.70 | 509.50 | 488.44 | _ |
| Residential lighting fixtures | 3645 | 9.43 | 9.41 | 9.92 | 9.99 | - ' | 369.66 | 360.40 | 401.76 | 400.60 | - |
| Household audio and video equipment | | 12.29 | 12.05 | 12.69 | 13.03 | - | 481.77 | 492.85 | 491.10 | 496.44 | _ |
| Household audio and video equipment | | 11.65 | 11.61 | 12.18 | 12.30 | - | 443.87 | 470.21 | 476.24 | 469.86 | - |
| Communications equipment | 366 | 14.00 | 13.99 | 14.03 | 14.06 | - | 596.40 | 605.77 | 580.84 | 575.05 | _ |
| Telephone and telegraph apparatus | | 14.64 | 14.81 | 14.52 | 14.65 | _ | 661.73 | 676.82 | 625.81 | 631.42 568.70 | - |
| Electronic components and accessories | | 13.37 | 13.28 | 13.65 14.88 | 13.77 | <u>-</u> | 540.15 613.79 | 548.46 | 571.94 654.72 | 580.64 | _ |
| Electron tubes Semiconductors and related devices | | 14.79 17.61 | 14.85 17.54 | 18.00 | 15.20 18.33 | | 736.10 | 634.10 748.96 | 766.80 | 780.86 | - |
| Electronic components, nec | 3679 | 10.80 | 10.76 | 11.33 | 11.36 | | 438.48 | 748.96 441.16 | 472.46 | 461.22 | _ |
| Misc. electrical equipment and supplies | 369 | 13.39 | 13.37 | 13.80 | 13.53 | - | 542.30 | 564.21 | 580.98 | 542.55 | _ |
| Storage batteries | 3691 | 14.96 | 15.17 | 15.63 | 15.81 | _ | 625.33 | 665.96 | 670.53 | 657.70 | _ |
| | | 13.30 | 13.11 | 13.57 | 12.97 | _ | 543.97 | 557.18 | 580.80 | 518.80 | _ |
| Fudure electrical edublication | 1555 | 1 .5.55 | | ı, | | l | 3.5.07 | 3010 | 200.00 | 1 3.5.55 | 1 |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | | Averag | e overtim | ne hours | |
|---|-------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|--------------|---------------|--------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 |
| Durable goods—Continued | | | | | | | | | | | |
| Transportation equipment | 37 | 41.0 | 42.8 | 44.1 | 42.1 | 43.5 | 4.1 | 5.0 | 5.9 | 4.3 | l – |
| Motor vehicles and equipment | | 39.6 | 42.5 | 45.4 | 42.5 | 44.3 | 3.4 | 4.9 | 7.0 | 4.6 | _ |
| Motor vehicles and car bodies | | 39.1 | 41.2 | 45.5 | 43.0 | - | 2.8 | 4.6 | 6.9 | 4.8 | l – |
| Truck and bus bodies | | 42.0 | 42.8 | 46.6 | 45.8 | _ | 4.9 | 4.3 | 7.4 | 7.0 | l – |
| Motor vehicle parts and accessories | | 39.3 | 43.3 | 45.6 | 42.0 | _ | 3.6 | 5.3 | 7.4 | 4.3 | - |
| Truck trailers | | 41.4 | 42,2 | 43.0 | 43.1 | - | 3.4 | 4.3 | 4.4 | 4.2 | _ |
| Aircraft and parts | 372 | 43.5 | 44.1 | 42.7 | 41.8 | _ | 5.9 | 6.0 | 4.2 | 4.4 | - |
| Aircraft | 3721 | 43.5 | 44.3 | 42.5 | 41.3 | - | 6.0 | 5.9 | 4.1 | 4.5 | - |
| Aircraft engines and engine parts | 3724 | 44.1 | 44.3 | 44.1 | 44.0 | ! _ | 5.9 | 6.0 | 5.2 | 5.2 | - |
| Aircraft parts and equipment, nec | 3728 | 43.2 | 43.8 | 42.1 | 41.1 | _ | 5.9 | 6.1 | 3.9 | 3.9 | - |
| Ship and boat building and repairing | | 42.3 | 42.6 | 40.6 | 40.2 | - | 4.4 | 4.4 | 4.1 | 3.2 | _ |
| Ship building and repairing | | 43.6 | 44.1 | 41.6 | 41.0 | _ | 5.0 | 4.9 | 4.7 | 3.2 | - |
| Boat building and repairing | | 40.3 | 40.4 | 39.4 | 39.3 | _ | 3.4 | 3.6 | 3.4 | 3.3 | - |
| Railroad equipment | | 42.6 | 42.6 | 41.3 | 41.3 | - | 3.9 | 4.4 | 3.8 | 3.8 | _ |
| Guided missiles, space vehicles, and parts | 376 | 41.6 | 41.8 | 41.2 | 41.1 | - | 3.2 | 3.7 | 3.5 | 3.4 | - |
| Guided missiles and space vehicles | | 40.8 | 41.0 | 40.2 | 40.1 | _ | 3.0 | 3.5 | 2.9 | 3.1 | _ |
| Misc. transportation equipment | | 40.8 | 40.5 | 41.5 | 41.8 | _ | 3.7 | 3.4 | 3.6 | 3.8 | _ |
| Travel trailers and campers | | 40.0 | 38.5 | 40.5 | 41.1 | - | 2.5 | 2.3 | 2.2 | 2.8 | - |
| Instruments and related products | 38 | 40.7 | 41.2 | 41.5 | 41.0 | 41.2 | 2.9 | 3.1 | 3.2 | 3.1 | - |
| Search and navigation equipment | | 41.8 | 41.7 | 41.2 | 41.7 | - | 3.2 | 3.2 | 3.0 | 2.9 | - |
| Measuring and controlling devices | | 40.3 | 40.8 | 41.4 | 41.0 | - | 2.6 | 2.9 | 3.2 | 3.2 | - |
| Environmental controls | 3822 | 38.0 | 39.8 | 44.2 | 42.1 | - | 3.3 | 3.8 | 5.0 | 4.7 | _ |
| Process control instruments | | 40.5 | 40.7 | 40.6 | 40.1 | - | 2.7 | 2.7 | 3.0 | 2.8 | _ |
| Instruments to measure electricity | 3825 | 41.2 | 41.3 | 40.6 | 40.9 | ļ — | 1.4 | 1.7 | 2.3 | 2.4 | _ |
| Medical instruments and supplies | 384 | 40.5 | 41.1 | 41.4 | 40.5 | ļ – | 3.1 | 3.3 | 3.4 | 3.1 | _ |
| Surgical and medical instrument | 3841 | 40.9 | 40.9 | 40.8 | 39.8 | - | 3.0 | 3.0 | 3.3 | 2.9 | _ |
| Surgical appliances and supplies | 3842 | 39.7 | 40.7 | 41.7 | 40.3 | - | 3.2 | 3.7 | 3.4 | 3.1 | _ |
| Ophthalmic goods | 385 | 40.0 | 41.0 | 40.6 | 40.0 | _ | 2.2 | 2.4 | 2.2 | 2.2 | |
| Photographic equipment and supplies | 386 | 42.4 | 42.7 | 43.2 | 43.4 | - | 4.0 | 4.1 | 3.3 | 3.7 | _ |
| Watches, clocks, watchcases, and parts | 387 | 39.6 | 39.1 | 41.8 | 39.1 | - | 2.3 | 2.1 | 1.8 | 1.7 | - |
| Miscellaneous manufacturing industries | 39 | 39.2 | 40.0 | 39.9 | 39.2 | 40.1 | 2.6 | 3.1 | 2.9 | 2.7 | _ |
| Jewelry, silverware, and plated ware | | 38.0 | 39.6 | 38.6 | 38.4 | _ | 1.6 | 3.1 | 2.3 | 2.2 | _ |
| Jewelry, precious metal | | 37.2 | 38.9 | 37.6 | 37.5 | \ - | 1.6 | 3.1 | 2.2 | 2.2 | _ |
| Musical instruments | | 40.4 | 41.3 | 40.4 | 38.0 | - | 3.3 | 3.4 | 2.5 | 1.7 | |
| Toys and sporting goods | | 39.5 | 39.9 | 40.4 | 39.5 | - | 2.0 | 2.2 | 2.7 | 2.5 | - |
| Dolls, games, toys, and children's vehicles | | 39.0 | 40.0 | 38.1 | 38.2 | \ - | 1.6 | 2.5 | 1.3 | 1.5 | _ |
| Sporting and athletic goods, nec | | 39.7 | 39.8 | 41.4 | 40.1 | - | 2.1 | 2.1 | 3.2 | 2.8 | _ |
| Pens, pencils, office, and art supplies | | 37.8 | 38.2 | 39.0 | 38.5 | - | 3.4 | 3.3 | 2.5 | 2.4 | - |
| Costume jewelry and notions | | 36.7 | 38.0 | 38.1 | 36.8 | - | 1.6 | 2.6 | 1.9 | 1.5 | - |
| Costume jewelry | | 36.6 | 36.8 | 36.2 | 35.5 | - | 1.1 | 2.6 | 1.2 | 0.9 | _ |
| Miscellaneous manufactures | | 39.9 | 40.5 | 40.3 | 39.8 | - | 3.2 | 3.5 | 3.4 | 3.2 | - |
| Signs and advertising specialties | 3993 | 40.5 | 41.3 | 40.4 | 40.2 | - | 3.9 | 4.2 | 3.8 | 3.5 | - |
| Nondurable goods | | 40.6 | 41.0 | 41.0 | 40.6 | 41.0 | 4.3 | 4.5 | 4.4 | 4.4 | 4. |
| Food and kindred products | 20 | 41.6 | 42.0 | 41.6 | 41.8 | 41.9 | 5.4 | 5.8 | 5.4 | 5.7 | - |
| Meat products | | 40.8 | 41.6 | 41.7 | 41.8 | - | 4.8 | 5.3 | 5.4 | 5.4 | - |
| Meat packing plants | | 42.7 | 44.0 | 43.3 | 43.2 | - | 5.7 | 6.7 | 6.6 | 6.4 | l – |
| Sausages and other prepared meats | 2013 | 42.7 | 42.1 | 44.2 | 44.3 | _ | 6.4 | 6.1 | 6.9 | 7.3 | - |
| Poultry slaughtering and processing | 2015 | 39.0 | 40.0 | 39.9 | 40.1 | - | 3.7 | 4.1 | 4.1 | 4.2 | - |
| Dairy products | | 42.1 | 42.0 | 43.4 | 43.8 | - | 5.3 | 5.3 | 5.9 | 5.8 | ~ |
| Cheese, natural and processed | | 41.5 | 41.5 | 43.6 | 44.5 | - | 4.6 | 4.7 | 5.4 | 5.5 | - |
| Fluid milk | 2020 | 41.4 | 41.6 | 42.8 | 42.9 | _ | 4.9 | 5.1 | 5.2 | 5.4 | · - |
| Preserved fruits and vegetables | | 41.4 | 41.9 | 40.6 | 40.7 | _ | 5.8 | 6.9 | 5.2 | 6.3 | - |
| Canned specialties | | 42.4 | 42.5 | 44.5 | 41.5 | _ | 5.6 | 7.4 | 6.4 | 5.6 | - |
| Canned fruits and vegetables | 2027 | 41.0 | 42.6 | 38.5 | 40.4 | _ | 7.0 | 9.2 | 4.6 | 7.1 | - |
| Frozen fruits and vegetables | 2037 | 39.8 | 40.0 | 38.9 | 38.6 | - | 4.7 | 5.2 | 4.7 | 5.2 | l - |
| Grain mill products | 204 | 46.5 | 45.4 | 44.1 | 44.8 | - | 8.3 | 7.8 | 6.7 | 7.2 | - |
| Flour and other grain mill products | | 46.6 | 46.2 | 44.8 | 45.1 | - | 8.1 | 8.0 | 7.0 | 7.8 | - |
| Prepared feeds, nec | 2048 | 44.9 | 44.0 | 42.5 | 43.4 | | 7.5 | 7.1 | 6.5 | 6.5 | _ |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averaç | je weekly e | arnings | |
|---|-------------|--------------|--------------|--------------|---------------|---------------------------|--------------|--------------|--------------|---------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p |
| Durable goods—Continued | | | | | | | | | | | |
| Transportation equipment | 37 | \$16.86 | \$17.29 | \$18.20 | \$17.94 | \$18.09 | \$691.26 | \$740.01 | \$802.62 | \$755.27 | \$786.92 |
| Motor vehicles and equipment | | 16.79 | 17.52 | 18.68 | 18.23 | 18.39 | 664.88 | 744.60 | 848.07 | 774.78 | 814.68 |
| Motor vehicles and equipment | | 21.56 | 21.70 | 22.59 | 22.12 | - 10.55 | 843.00 | 894.04 | 1,027.85 | 951.16 | 014.00 |
| Truck and bus bodies | | 15.17 | 15.06 | 15.71 | 15.60 | _ | 637.14 | 644.57 | 732.09 | 714.48 |] _ |
| | | | | | 17.03 | _ | 605.61 | 692.80 | 797.09 | 715.26 | _ |
| Motor vehicle parts and accessories | 0715 | 15.41 | 16.00 | 17.48 | , | | | 486.14 | | | |
| Truck trailers | 3/15 | 11.20 | 11.52 | 11.30 | 11.27 | - | 463.68 | | 485.90 | 485.74 | _ |
| Aircraft and parts | 372 | 19.15 | 19.13 | 19.57 | 19.81 | _ | 833.03 | 843.63 | 835.64 | 828.06 | - |
| Aircraft | | (2) | (2) | (2) | (2) | - | _ | | · | | - |
| Aircraft engines and engine parts | | 18.95 | 18.86 | 19.55 | 19.78 | - | 835.70 | 835.50 | 862.16 | 870.32 | - |
| Aircraft parts and equipment, nec | 3728 | 17.09 | 16.97 | 17.37 | 17.51 | _ | 738.29 | 743.29 | 731.28 | 719.66 | 1 - |
| Ship and boat building and repairing | 373 | 13.36 | 13.37 | 13.74 | 13.82 | _ | 565.13 | 569.56 | 557.84 | 555.56 | l – |
| Ship building and repairing | 3731 | 14.59 | 14.52 | 15.18 | 15.29 | ~ | 636.12 | 640.33 | 631.49 | 626.89 | l – |
| Boat building and repairing | 3732 | 11.34 | 11.48 | 11.97 | 12.05 | _ | 457.00 | 463.79 | 471.62 | 473.57 | l – |
| Railroad equipment | 374 | 16.87 | 16.65 | 16.65 | 16.80 | _ | 718.66 | 709.29 | 687.65 | 693.84 | _ |
| | | 20.00 | 20.04 | 20.14 | 20.18 | _ | 832.00 | 837.67 | 829.77 | 829.40 | _ |
| Guided missiles, space vehicles, and parts | 2764 | | | | 1 | | 632.00 | 037.67 | 029.77 | 029.40 | |
| Guided missiles and space vehicles | 3/01 | (2) | (2) | (2) | (2) | ~ | | l | | 1 | |
| Misc. transportation equipment | | 11.77 | 11.86 | 12.64 | 12.46 | - | 480.22 | 480.33 | 524.56 | 520.83 | _ |
| Travel trailers and campers | 3792 | 11.77 | 12.08 | 13.01 | 12.49 | ~ | 470.80 | 465.08 | 526.91 | 513.34 | - |
| Instruments and related products | 38 | 13.78 | 13.79 | 14.13 | 14.26 | 14.34 | 560.85 | 568.15 | 586.40 | 584.66 | 590.81 |
| Search and navigation equipment | 381 | 17.58 | 17.40 | 17.48 | 17.34 | ~ | 734.84 | 725.58 | 720.18 | 723.08 | |
| Search and navigation equipment | 200 | | | 14.25 | 14.31 | _ | 556.95 | 567.53 | 589.95 | 586.71 | 1 _ |
| Measuring and controlling devices | 302 | 13.82 | 13.91 | | | i | | | | | _ |
| Environmental controls | | 12.12 | 12.09 | 12.22 | 12.09 | - | 460.56 | 481.18 | 540.12 | 508.99 | 1 |
| Process control instruments | | 13.76 | 13.89 | 14.29 | 14.41 | - | 557.28 | 565.32 | 580.17 | 577.84 | _ |
| Instruments to measure electricity | | 16.07 | 16.28 | 16.65 | 16.75 | - | 662.08 | 672.36 | 675.99 | 685.08 | - |
| Medical instruments and supplies | 384 | 12.71 | 12.71 | 12.81 | 12.96 | ~ | 514.76 | 522.38 | 530.33 | 524.88 | |
| Surgical and medical instrument | 3841 | 11.89 | 11.83 | 12.20 | 12.49 | _ | 486.30 | 483.85 | 497.76 | 497.10 | 1 - |
| Surgical appliances and supplies | | 11.94 | 12.04 | 12.06 | 12.14 | _ | 474.02 | 490.03 | 502.90 | 489.24 | _ |
| Ophthalmic goods | 385 | 10.21 | 10.15 | 10.94 | 11.13 | - | 408.40 | 416.15 | 444.16 | 445.20 | _ |
| Photographic equipment and supplies | | 16.48 | 16.51 | 18.01 | 18.24 | _ | 698.75 | 704.98 | 778.03 | 791.62 | _ |
| Watches, clocks, watchcases, and parts | | 10.80 | 10.43 | 10.55 | 10.84 | - | 427.68 | 407.81 | 440.99 | 423.84 | _ |
| Misselles and manufacturing industries | 20 | 10.85 | 10.85 | 11.30 | 11.30 | 11.29 | 425.32 | 434.00 | 450.87 | 442.96 | 452.73 |
| Miscellaneous manufacturing industries | 1004 | | ſ | | | | | | | 461.18 | 402.70 |
| Jewelry, silverware, and plated ware | | 11.28 | 11.41 | 11.91 | 12.01 | - | 428.64 | 451.84 | 459.73 | | _ |
| Jewelry, precious metal | | 11.36 | 11.49 | 11.77 | 11.80 | - | 422.59 | 446.96 | 442.55 | 442.50 | - |
| Musical instruments | 393 | 11.04 | 11.14 | 11.80 | 12.01 | _ | 446.02 | 460.08 | 476.72 | 456.38 | _ |
| Toys and sporting goods | | 10.49 | 10.43 | 10.89 | 10.99 | - | 414.36 | 416.16 | 439.96 | 434.11 | _ |
| Dolls, games, toys, and children's vehicles | 3942,4 | 10.07 | 10.15 | 10.47 | 10.45 | - | 392.73 | 406.00 | 398.91 | 399.19 | - |
| Sporting and athletic goods, nec | 3949 | 10.67 | 10.56 | 11.05 | 11.20 | _ | 423.60 | 420.29 | 457.47 | 449.12 | _ |
| Pens, pencils, office, and art supplies | | 11.44 | 11.36 | 11.49 | 11.44 | | 432.43 | 433.95 | 448.11 | 440.44 | - |
| Costume jewelry and notions | | 9.69 | 9.55 | 10.08 | 10.18 | | 355.62 | 362.90 | 384.05 | 374.62 | _ |
| Costume jewelry | | 8.69 | 8.52 | 8.95 | 9.09 | - | 318.05 | 313.54 | 323.99 | 322.70 | _ |
| Miscellaneous manufactures | | 10.96 | 10.98 | 11.43 | 11.32 | - | 437.30 | 444.69 | 460.63 | 450.54 | _ |
| Signs and advertising specialties | | 11.52 | 11.57 | 12.36 | 12.14 | _ | 466.56 | 477.84 | 499.34 | 488.03 | - |
| Nondurable goods | | 12.81 | 12.75 | 13.15 | 13.22 | 13.18 | 520.09 | 522.75 | 539.15 | 536.73 | 540.38 |
| - | | 11.80 | 11.76 | 12.16 | 12.15 | 12.09 | 490.88 | 493.92 | 505.86 | 507.87 | 506.57 |
| Food and kindred products | 201 | | | | | | 396.17 | 493.92 | | | 300.57 |
| Meat products | | 9.71 | 9.66 | 9.93 | 10.03 | ~ | | | 414.08 | 419.25 | 1 - |
| Meat packing plants | | 10.26 | 10.36 | 10.77 | 10.93 | - | 438.10 | 455.84 | 466.34 | 472.18 | ı – |
| Sausages and other prepared meats | | 11.03 | 10.95 | 11.11 | 11.17 | - | 470.98 | 461.00 | 491.06 | 494.83 | - |
| Poultry slaughtering and processing | 2015 | 8.84 | 8.72 | 8.93 | 9.02 | _ | 344.76 | 348.80 | 356.31 | 361.70 | j – |
| Dairy products | | 13.58 | 13.67 | 14.07 | 14.07 | - | 571.72 | 574.14 | 610.64 | 616.27 | - |
| Cheese, natural and processed | | 12.54 | 12.62 | 12.81 | 12.97 | - | 520.41 | 523.73 | 558.52 | 577.17 | - |
| Fluid milk | | 14.16 | 14.21 | 14.78 | 14.83 | - | 586.22 | 591.14 | 632.58 | 636.21 | - |
| Preserved fruits and vegetables | | 11.16 | 11.25 | 11.64 | 11.53 | _ | 462.02 | 471.38 | 472.58 | 469.27 | - |
| Canned specialties | | 14.66 | 14.69 | 15.43 | 15.34 | _ | 621.58 | 624.33 | 686.64 | 636.61 | Í – |
| Canned fruits and vegetables | | 11.99 | 11.92 | 12.52 | 12.12 | _ | 491.59 | 507.79 | 482.02 | 489.65 | l – |
| Frozen fruits and vegetables | | 10.46 | 10.30 | 11.02 | 11.04 | _ | 416.31 | 412.00 | 428.68 | 426.14 | _ |
| Grain mill products | 2007 | 15.05 | 14.78 | 15.08 | 15.20 | i | 699.83 | 671.01 | 665.03 | 680.96 | Į |
| | | | | | | _ | | | 608.83 | | |
| Flour and other grain mill products | 2041 | 13.04 | 13.11 | 13.59 | 13.34 | - | 607.66 | 605.68 | | 601.63 | ı - |
| Prepared feeds, nec | 2048 | 11.73 | 11.76 | 12.23 | 12.37 | _ | 526.68 | 517.44 | 519.78 | 536.86 | |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | L | Avera | ge weekly | hours | | | Averag | e overtim | ne hours | |
|--|-------------|--------------|--------------|--------------|---------------|----------------|--------------|--------------|--------------|---------------------------|-------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug 1999 |
| Nondurable goods—Continued | | | | | | | | | | | |
| Food and kindred products—Continued | | ŀ | İ | | | | ł | | | ŀ | |
| Bakery products | . 205 | 41.0 | 41.6 | 41.0 | 41.2 | _ | 5.3 | 5.5 | 5.2 | 5.3 | ١ _ |
| Bread, cake, and related products | | 40.7 | 41.0 | 41.5 | 41.4 | _ | 5.4 | 5.6 | 5.8 | 5.7 | _ ا |
| Cookies, crackers, and frozen bakery products, | 1 | | | | | | | 1 | | • | 1 |
| except bread | . 2052,3 | 41.6 | 42.7 | 40.1 | 40.7 | - | 5.2 | 5.4 | 4.2 | 4.7 | - |
| Sugar and confectionery products | . 206 | 40.0 | 41.9 | 39.7 | 40.1 | - | 3.8 | 4.8 | 4.0 | 4.6 | - |
| Raw cane sugar | | 50.9 | 48.5 | 39.9 | 42.7 | - | 7.7 | 7.5 | 5.0 | 6.3 | ١ - |
| Cane sugar refining | | 48.1 | 49.4 | 54.0 | 56.2 | - | 9.2 | 10.3 | 13.2 | 12.0 | - |
| Beet sugar | | 42.0 | 42.5 | 38.4 | 40.8 | - | 3.0 | 4.4 | 2.0 | 3.9 | - |
| Candy and other confectionery products | | 39.2 | 41.8 | 39.3 | 39.5 | - | 3.7 | 5.0 | 4.0 | 4.7 | - |
| Fats and oils | | 42.5 | 42.8 | 41.8 | 41.9 | - | 6.1 | 6.1 | 5.6 | 5.8 | - |
| Beverages | | 44.5 47.3 | 43.7 45.9 | 44.4 46.0 | 43.3 45.0 | _ | 6.1 | 5.9 | 6.2 | 5.6 | - |
| Malt beverages Bottled and canned soft drinks | | 45.4 | 44.3 | 46.3 | 44.7 | _ | 8.0 6.9 | 7.4 6.4 | 7.6 7.3 | 6.6 6.8 | - |
| Misc. food and kindred products | | 40.6 | 40.0 | 39.7 | 40.2 | _ | 5.4 | 5.2 | 4.4 | 5.4 | 1] |
| Wilder Tood and Kindred products | . 203 | 70.0 | 40.0 | 33.7 | 70.2 | | J | 3.2 | 7.7 | 3.4 | |
| Tobacco products | . 21 | 39.3 | 39.3 | 40.1 | 40.3 | 38.5 | 3.0 | 3.0 | 3.0 | 4.1 | - ا |
| Cigarettes | | 39.0 | 39.6 | 40.4 | 41.4 | - | 3.0 | 3.4 | 3.3 | 4.8 | i - |
| Textile mill products | 22 | 40.4 | 41.2 | 41.0 | 40.6 | 41.1 | 4.4 | 4.5 | 4.4 | 4.3 | |
| Broadwoven fabric mills, cotton | | 40.8 | 42.8 | 42.3 | 41.9 | | 5.2 | 5.9 | 5.8 | 5.5 | |
| Broadwoven fabric mills, synthetics | | 40.9 | 40.8 | 41.9 | 42.6 | _ | 4.9 | 4.9 | 4.8 | 5.3 | |
| Broadwoven fabric mills, wool | | 39.6 | 39.3 | 37.7 | 36.8 | _ | 3.9 | 3.6 | 2.6 | 3.2 | |
| Narrow fabric mills | | 40.5 | 40.8 | 40.7 | 39.0 | _ | 2.9 | 3.0 | 2.8 | 2.6 | ١. |
| Knitting mills | | 39.8 | 40.5 | 39.2 | 38.6 | _ | 3.6 | 3.6 | 3.5 | 3.6 | ١. |
| Women's hosiery, except socks | | 38.3 | 38.7 | 37.9 | 35.7 | _ | 2.5 | 3.1 | 2.5 | 2.5 | ١. |
| Hosiery, nec | | 38.7 | 38.9 | 38.3 | 37.4 | _ | 3.6 | 3.1 | 3.0 | 3.0 | _ |
| Knit outerwear mills | | 42.1 | 42.0 | 38.8 | 39.8 | - | 3.6 | 4.0 | 3.1 | 3.6 | ١. |
| Knit underwear mills | | 36.7 | 38.6 | 41.1 | 37.1 | - | 1.5 | 1.2 | 2.4 | 1.4 | ľ - |
| Weft knit fabric mills | . 2257 | 38.0 | 40.2 | 39.9 | 40.0 | - | 4.7 | 4.4 | 5.1 | 5.4 | |
| Textile finishing, except wool | . 226 | 41.2 | 42.1 | 41.2 | 39.7 | _ | 5.2 | 5.3 | 4.7 | 3.6 | - |
| Finishing plants, cotton | . 2261 | 43.0 | 42.3 | 41.4 | 39.6 | _ | 5.6 | 5.5 | 4.6 | 3.4 | - |
| Finishing plants, synthetics | | 39.3 | 43.7 | 41.9 | 39.9 | - | 5.0 | 5.7 | 5.1 | 3.4 | - |
| Carpets and rugs | | 40.4 | 41.3 | 41.9 | 42.3 | - | 5.2 | 5.0 | 4.7 | 4.7 | - |
| Yarn and thread mills | | 40.2 | 40.7 | 41.6 | 40.9 |) - | 4.4 | 4.3 | 4.7 | 4.6 | - |
| Yarn spinning mills | | 41.8 | 41.5 | 41.8 | 41.7 | - | 4.9 | 4.6 | 4.9 | 4.7 | - |
| Throwing and winding mills | | 34.9 | 37.9 | 40.4 | 37.9 | - | 3.1 | 3.4 | 3.7 | 3.9 | - |
| Miscellaneous textile goods | . 229 | 40.3 | 41.6 | 42.0 | 41.3 | - | 4.2 | 4.5 | 4.8 | 4.3 | - |
| Apparel and other textile products | . 23 | 36.9 | 37.6 | 38.1 | 36.9 | 37.4 | 1.9 | 2.1 | 2.5 | 2.0 | - |
| Men's and boys' suits and coats | | 38.1 | 37.1 | 36.5 | 35.3 | - | 0.9 | 1.2 | 0.9 | 0.9 | - |
| Men's and boys' furnishings | . 232 | 36.9 | 37.3 | 36.7 | 36.4 | - | 1.7 | 1.7 | 1.6 | 1.5 | - |
| Men's and boys' shirts | | 35.7 | 36.1 | 35.4 | 34.7 | - | 1.2 | 1.4 | 1.5 | 1.1 | [- |
| Men's and boys' trousers and slacks Men's and boys' work clothing | | 36.6 36.0 | 36.8 36.8 | 36.8 37.6 | 35.8 38.7 | _ | 1.8 1.5 | 1.7 1.9 | 1.8 1.9 | 1.5 2.0 |] - |
| Women's and boys work clothing | 233 | 35.7 | 36.6 | 37.4 | 36.5 | _ | 1.4 | 1.5 | 2.1 | 1.6 |] |
| Women's and misses' blouses and shirts | | 35.4 | 35.9 | 36.7 | 36.2 | _ | 1.6 | 2.1 | 2.3 | 1.8 | [] |
| Women's, juniors', and misses' dresses | | 36.7 | 36.3 | 38.8 | 37.4 | _ | 2.2 | 1.8 | 3.3 | 3.0 | - |
| Women's and misses' suits and coats | . 2337 | 37.0 | 38.5 | 37.4 | 36.1 | - | 1.3 | 1.6 | 2.1 | 2.3 |] - |
| Women's and misses' outerwear, nec | . 2339 | 35.3 | 36.5 | 37.2 | 36.3 | _ | 1.3 | 1.4 | 1.8 | 1.2 | - |
| Women's and children's undergarments | . 234 | 36.8 | 36.8 | 35.5 | 35.2 | - | 1.6 | 1.8 | 1.6 | 1.8 | - |
| Women's and children's underwear | . 2341 | 37.1 | 37.3 | 36.4 | 35.9 | - | 1.4 | 1.6 | 1.3 | 1.6 | - |
| Brassieres, girdles, and allied garments | | 35.8 | 35.6 | 33.2 | 33.7 | - | 2.2 | 2.4 | 2.4 | 2.1 | 1 - |
| Girls' and children's outerwear | | 36.6 | 37.4 | 37.6 | 36.5 | - | 2.7 | 3.7 | 3.4 | 2.3 | - |
| Girls' and children's dresses and blouses | | 38.9 | 39.1 | 38.4 | 38.1 | _ | 4.2 | 5.0 | 3.7 | 3.6 | 1 - |
| Misc. apparel and accessories | . 238 | 36.1 | 36.8 | 37.0 | 35.6 | - | 0.9 | 1.1 | 1.0 | 0.8 | - |
| Misc. fabricated textile products | . 239 | 38.3 | 39.4 | 40.6 | 38.4 | - | 2.8 | 3.4 | 3.9 | 3.1 | - |
| Curtains and draperies | | 34.6 | 35.4 | 37.3 | 36.7 | _ | 1.1 | 1.6 | 2.2 | 1.9 | - |
| House furnishings, nec | | 39.8 | 41.0 | 40.4 | 39.5 | - | 4.1 | 4.4 | 4.2 | 3.9 | - |
| Automotive and apparel trimmings | . 2390 | 37.1 | 39.9 | 43.1 | 38.1 | _ | 1.8 | 3.2 | 4.8 | 2.6 | - |
| Paper and allied products | . 26 | 43.1 | 43.1 | 43.5 | 43.0 | 43.4 | 5.6 | 5.6 | 5.6 | 5.6 | - |
| Paper mills | . 262 | 43.9 | 43.7 | 45.0 | 44.2 | - | 6.4 | 6.4 | 6.8 | 6.5 | - |
| Paperboard mills | 1263 | 44.1 | 43.7 | 45.1 | 43.5 | _ | 7.3 | 7:0 | 7.6 | 7.2 | I - |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|---|-------------|----------------|----------------|----------------|---------------------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Nondurable goods—Continued | | | | | | | | | | İ | |
| Food and kindred products—Continued | | i | | | | | | | | | |
| Bakery products | 205 | \$12.78 | \$12.83 | \$13.33 | \$13.25 | _ | \$523.98 | \$533.73 | \$546.53 | \$545.90 | - |
| Bread, cake, and related products | | 12.88 | 12.85 | 13.46 | 13.39 | - | 524.22 | 526.85 | 558.59 | 554.35 | - |
| Cookies, crackers, and frozen bakery products, | | | | | | | | l | | ł | |
| except bread | 2052,3 | 12.61 | 12.80 | 13.11 | 13.01 | ~ | 524.58 | 546.56 | 525.71 | 529.51 | - |
| Sugar and confectionery products | 206 | 13.43 | 13.33 | 13.98 | 14.30 | - | 537.20 | 558.53 | 555.01 | 573.43 | _ |
| Raw cane sugar | 2061 | 9.98 | 10.82 | 11.51 | 11.46 | ~ | 507.98 | 524.77 | 459.25 | 489.34 | _ |
| Cane sugar refining | 2062 | 18.38 | 18.25 | 18.39 | 18.79 | - | 884.08 | 901.55 | 993.06 | 1,056.00 | _ |
| Beet sugar | 2063 | 14.59 | 14.80 | 14.90 | 15.27 | - | 612.78 | 629.00 | 572.16 | 623.02 | - |
| Candy and other confectionery products | 2064 | 12.60 | 12.47 | 13.38 | 13.66 | ~ | 493.92 | 521.25 | 525.83 | 539.57 | - |
| Fats and oils | | 12.89 | 12.91 | 13.53 | 13.77 | - | 547.83 | 552.55 | 565.55 | 576.96 | - |
| Beverages | | 15.85 | 15.88 | 16.26 | 16.21 | - | 705.33 | 693.96 | 721.94 | 701.89 |] - |
| Malt beverages | | 22.13 | 22.18 | 23.58 | 23.43 | - | 1,046.75 | 1,018.06 | 1,084.68 | 1,054.35 | - |
| Bottled and canned soft drinks | | 13.35 | 13.55 | 13.55 | 13.53 | - | 606.09 | 600.27 | 627.37 | 604.79 | - |
| Misc. food and kindred products | 209 | 10.62 | 10.59 | 10.98 | 10.80 | - | 431.17 | 423.60 | 435.91 | 434.16 | - |
| Tobacco products | 21 211 | 20.59 24.18 | 18.96 24.49 | 20.79 24.56 | 21.22 24.78 | \$20.51 — | 809.19 943.02 | 745.13 969.80 | 833.68 992.22 | 855.17 1,025.89 | \$789.64 - |
| Textile mill products | 22 | 10.36 | 10.37 | 10.76 | 10.71 | 10.72 | 418.54 | 427.24 | 441.16 | 434.83 | 440.59 |
| Broadwoven fabric mills, cotton | 221 | 10.91 | 10.94 | 11.13 | 11.05 | | 445.13 | 468.23 | 470.80 | 463.00 | - |
| Broadwoven fabric mills, synthetics | | 11.29 | 11.23 | 11.46 | 11.58 | _ | 461.76 | 458.18 | 480.17 | 493.31 | \ _ |
| Broadwoven fabric mills, wool | | 11.00 | 10.83 | 11.33 | 11.22 | _ | 435.60 | 425.62 | 427.14 | 412.90 | _ |
| Narrow fabric mills | 224 | 9.64 | 9.61 | 9.81 | 9.77 | ~ | 390.42 | 392.09 | 399.27 | 381.03 | - |
| Knitting mills | | 9.46 | 9.49 | 9.96 | 9.98 | _ | 376.51 | 384.35 | 390.43 | 385.23 | _ |
| Women's hosiery, except socks | | 8.86 | 8.95 | 8.92 | 9.06 | _ | 339.34 | 346.37 | 338.07 | 323.44 | - |
| Hosiery, nec | 2252 | 9.57 | 9.57 | 9.77 | 9.79 | - | 370.36 | 372.27 | 374.19 | 366.15 | - |
| Knit outerwear mills | 2253 | 8.77 | 8.80 | 9.53 | 9.51 | _ | 369.22 | 369.60 | 369.76 | 378.50 | - |
| Knit underwear mills | | 10.06 | 9.64 | 10.31 | 10.16 | - | 369.20 | 372.10 | 423.74 | 376.94 | - |
| Weft knit fabric mills | 2257 | 10.15 | 10.26 | 10.57 | 10.57 | - | 385.70 | 412.45 | 421.74 | 422.80 | - |
| Textile finishing, except wool | 226 | 10.61 | 10.65 | 10.97 | 10.73 | - | 437.13 | 448.37 | 451.96 | 425.98 | - |
| Finishing plants, cotton | 2261 | 10.48 | 10.50 | 10.56 | 10.48 | - | 450.64 | 444.15 | 437.18 | 415.01 | - |
| Finishing plants, synthetics | 2262 | 11.11 | 11.21 | 11.73 | 11.27 | - | 436.62 | 489.88 | 491.49 | 449.67 |] – |
| Carpets and rugs | 227 | 10.16 | 10.17 | 10.86 | 10.56 | - | 410.46 | 420.02 | 455.03 | 446.69 | - |
| Yarn and thread mills | | 10.06 | 10.12 | 10.43 | 10.51 | - | 404.41 | 411.88 | 433.89 | 429.86 | - |
| Yarn spinning mills | 2281 | 10.04 | 10.18 | 10.44 | 10.48 | - | 419.67 | 422.47 | 436.39 | 437.02 | - |
| Throwing and winding mills | 2282 | 10.16 | 9.94 | 10.41 | 10.62 | - | 354.58 | 376.73 | 420.56 | 402.50 | - |
| Miscellaneous textile goods | 229 | 11.88 | 11.81 | 12.02 | 11.93 | - | 478.76 | 491.30 | 504.84 | 492.71 | - |
| Apparel and other textile products | 23 | 8.48 | 8.54 | 8.89 | 8.83 | 8.87 | 312.91 | 321.10 | 338.71 | 325.83 | 331.74 |
| Men's and boys' suits and coats | 231 | 8.68 | 8.74 | 8.84 | 8.89 | - | 330.71 | 324.25 | 322.66 | 313.82 | - |
| Men's and boys' furnishings | | 7.97 | 7.91 | 8.37 | 8.26 | - | 294.09 | 295.04 | 307.18 | 300.66 | - |
| Men's and boys' shirts | | 7.74 | 7.80 | 8.21 | 8.04 | - | 276.32 | 281.58 | 290.63 | 278.99 | - |
| Men's and boys' trousers and slacks | | 8.25 | 8.06 | 8.66 | 8.44 | _ | 301.95 | 296.61 | 318.69 | 302.15 | <u> </u> |
| Men's and boys' work clothing Women's and misses' outerwear | | 7.72 8.20 | 7.78 8.21 | 8.16 8.50 | 8.05 8.51 | _ | 277.92 292.74 | 286.30 300.49 | 306.82 317.90 | 311.54 310.62 | l <u>-</u> |
| Women's and misses' blouses and shirts | | 7.47 | 7.45 | 8.02 | 7.91 | _ | 264.44 | 267.46 | 294.33 | 286.34 | - |
| Women's, juniors', and misses' dresses | | 9.47 | 9.43 | 9.93 | 10.09 | _ | 347.55 | 342.31 | 385.28 | 377.37 | _ |
| Women's and misses' suits and coats | 2337 | 8.07 | 8.01 | 8.55 | 8.56 | _ | 298.59 | 308.39 | 319.77 | 309.02 | _ |
| Women's and misses' outerwear, nec | | 8.04 | 8.08 | 8.25 | 8.23 | _ | 283.81 | 294.92 | 306.90 | 298.75 | <u>-</u> |
| Women's and children's undergarments | | 8.17 | 8.16 | 8.55 | 8.52 | _ | 300.66 | 300.29 | 303.53 | 299.90 | l _ |
| Women's and children's underwear | 2341 | 7.91 | 7.97 | 8.40 | 8.41 | _ | 293.46 | 297.28 | 305.76 | 301.92 | _ |
| Brassieres, girdles, and allied garments | | 8.86 | 8.71 | 8.93 | 8.77 | _ | 317.19 | 310.08 | 296.48 | 295.55 | - |
| Girls' and children's outerwear | 236 | 8.22 | 8.30 | 8.37 | 8.34 | _ | 300.85 | 310.42 | 314.71 | 304.41 | - |
| Girls' and children's dresses and blouses | 2361 | 8.04 | 8.24 | 8.07 | 8.16 | - | 312.76 | 322.18 | 309.89 | 310.90 | l – |
| Misc. apparel and accessories | 238 | 8.10 | 8.08 | 8.19 | 8.30 | - | 292.41 | 297.34 | 303.03 | 295.48 | - |
| Misc. fabricated textile products | 239 | 9.28 | 9.47 | 9.74 | 9.60 | - | 355.42 | 373.12 | 395.44 | 368.64 | - |
| Curtains and draperies | 2391 | 8.18 | 8.30 | 8.38 | 8.28 | - | 283.03 | 293.82 | 312.57 | 303.88 | - |
| House furnishings, nec | 2392 | 9.03 | 9.01 | 9.62 | 9.51 | - | 359.39 | 369.41 | 388.65 | 375.65 | _ |
| Automotive and apparel trimmings | 2396 | 10.79 | 11.04 | 11.03 | 10.67 | - | 400.31 | 440.50 | 475.39 | 406.53 | - |
| Paper and allied products | | 15.64 | 15.54 | 15.98 | 16.07 | 16.01 | 674.08 | 669.77 | 695.13 | 691.01 | 694.83 |
| Paper mills | | 20.08 | 19.87 | 20.43 | 20.60 | - | 881.51 | 868.32 | 919.35 | 910.52 | _ |
| Paperboard mills | (263 | 19.58 | 19.55 | 20.21 | 20.78 | - | 863.48 | 854.34 | 911.47 | 903.93 | - |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| ! | 1987 | | Avera | ge weekly | hours | | | Averag | e overtim | ne hours | |
|---|-------------|--------------|--------------|--------------|---------------------------|---------------------------|--------------|--------------|--------------|---------------|-------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug 1999 |
| Nondurable goods—Continued | | | | | | | | | | | |
| Paper and allied products—Continued | | | | | | | | | | | |
| Paperboard containers and boxes | 265 | 42.8 | 43.2 | 43.3 | 43.0 | _ | 5.6 | 5.7 | 5.4 | 5.5 | |
| Corrugated and solid fiber boxes | | 43.3 | 44.1 | 44.0 | | _ | | | | 5.9 |] [|
| | | | 1 | | 43.4 | 1 | 5.7 | 6.2 | 5.8 | | 1 |
| Sanitary food containers | | 42.4 | 42.1 | 42.7 | 42.5 | _ | 5.7 | 5.2 | 5.1 | 5.0 | _ |
| Folding paperboard boxes | | 42.4 | 42.0 | 42.3 | 43.0 | - | 6.0 | 5.6 | 4.7 | 5.2 | - |
| Misc. converted paper products | | 42.5 | 42.3 | 42.4 | 42.1 | ļ - | 4.8 | 4.7 | 4.7 | 4.7 | - |
| Paper, coated and laminated, nec | | 43.1 | 42.2 | 43.1 | 42.7 | - | 4.2 | 3.7 | 4.0 | 3.6 | _ |
| Bags: plastics, laminated, and coated | | 42.7 | 42.6 | 42.5 | 41.9 |) – | 5.5 | 5.1 | 5.3 | 5.1 | - |
| Envelopes | 2677 | 39.7 | 41.0 | 40.9 | 40.9 | - | 3.2 | 3.9 | 3.5 | 3.8 | - |
| Printing and publishing | 27 | 38.1 | 38.6 | 37.9 | 38.0 | 38.4 | 3.1 | 3.4 | 2.8 | 2.9 | _ |
| Newspapers | 271 | 32.8 | 33.0 | 33.1 | 32.6 | l - | 1.3 | 1.4 | 1.5 | 1.4 | l _ |
| Periodicals | | 35.8 | 36.6 | 36.4 | 37.1 | l _ | 2.1 | 2.9 | 2.6 | 2.4 | _ |
| Books | | 38.9 | 40.1 | 40.3 | 41.6 | _ | 3.9 | 4.5 | 3.5 | 3.7 | _ |
| Book publishing | | 36.9 | 37.0 | 37.6 | 37.9 | - | 2.6 | 2.9 | 1.7 | 1.8 | 1 - |
| | | | | | | | | | | _ | |
| Book printing | 2734 | 40.9 | 43.3 | 42.9 | 45.1 | - | 5.2 | 6.1 | 5.1 | 5.5 | - |
| Miscellaneous publishing | 2/4 | 37.1 | 37.8 | 35.2 | 35.0 | _ | 2.1 | 2.6 | 2.0 | 2.0 | - |
| Commercial printing | | 39.5 | 40.1 | 39.1 | 39.3 | - | 3.8 | 4.1 | 3.2 | 3.5 | - |
| Commercial printing, lithographic | | 39.4 | 39.9 | 38.7 | 39.0 | - | 3.7 | 4.0 | 3.1 | 3.3 | - |
| Commercial printing, nec | | 39.8 | 40.3 | 39.8 | 39.9 | - | 3.7 | 4.0 | 3.5 | 3.8 | ł - |
| Manifold business forms | | 42.1 | 41.5 | 41.8 | 42.0 | | 4.3 | 3.8 | 4.3 | 4.9 | - |
| Blankbooks and bookbinding | 278 | 39.8 | 40.3 | 39.1 | 39.5 | 1 – | 3.2 | 3.6 | 2.5 | 3.0 | i - |
| Printing trade services | | 40.1 | 39.9 | 39.8 | 40.2 | - | 4.3 | 4.0 | 3.7 | 3.8 | - |
| Chemicals and allied aredusts | 00 | 40.7 | 400 | 40.0 | 40.0 | 40.4 | - 0 | ٠. | - 0 | ۱ | |
| Chemicals and allied products | | 42.7 | 43.0 | 43.0 | 42.6 | 43.1 | 5.0 | 5.1 | 5.0 | 4.9 | - |
| Industrial inorganic chemicals | | 44.9 | 44.5 | 42.4 | 42.6 | - | 6.1 | 5.8 | 5.3 | 5.3 | - |
| Industrial inorganic chemicals, nec | 2819 | 44.8 | 44.7 | 42.9 | 43.0 | _ | 5.7 | 5.7 | 5.6 | 5.5 | - |
| Plastics materials and synthetics | 282 | 43.1 | 43.0 | 43.8 | 43.4 | - | 5.6 | 5.4 | 5.0 | 4.8 | - |
| Plastics materials and resins | 2821 | 44.0 | 43.4 | 43.8 | 43.6 | l – i | 5.3 | 5.1 | 5.2 | 5.0 | i - |
| Organic fibers, noncellulosic | 2824 | 42.9 | 43.3 | 44.8 | 44.5 | _ ' | 5.1 | 4.8 | 4.9 | 5.2 | ١ - |
| Drugs | | 41.7 | 42.3 | 41.5 | 40.9 | _ | 4.2 | 4.4 | 4.8 | 4.7 | _ |
| Pharmaceutical preparations | | 41.6 | 42.4 | 41.6 | 40.9 | l _ : | 3.8 | 4.3 | 4.6 | 4.4 | _ |
| Soap, cleaners, and toilet goods | | 40.4 | 41.5 | 42.2 | 41.8 | _ | 3.5 | 4.3 | 4.3 | 4.3 | l – |
| Soap and other detergents | | 43.4 | 45.0 | 45.0 | 45.2 | _ | 5.3 | 6.5 | 6.2 | 6.7 | _ |
| Polishing, sanitation, and finishing preparations | 2041 | 40.2 | 40.6 | 41.5 | 41.5 | _ | | 4.0 | 3.9 | 3.9 | - ا |
| Tallah agam satisan | 2042,3 | | | | | | 3.7 | | | | - |
| Toilet preparations | | 39.3 | 40.5 | 41.0 | 40.1 | - | 2.7 | 3.5 | 3.5 | 3.2 | - |
| Paints and allied products | | 42.2 | 41.8 | 42.9 | 42.6 | - ' | 4.6 | 4.2 | 5.0 | 5.3 | ՝ - |
| Industrial organic chemicals | | 44.5 | 44.5 | 45.3 | 45.1 | - | 6.2 | 6.3 | 6.2 | 6.1 | - |
| Cyclic crudes and intermediates | | 43.9 | 45.0 | 45.3 | 44.7 | 1 - | 5.7 | 7.0 | 6.3 | 6.3 | - |
| Industrial organic chemicals, nec | | 44.6 | 44.3 | 45.3 | 45.2 | - | 6.3 | 6.1 | 6.2 | 6.0 | - |
| Agricultural chemicals | 287 | 44.8 | 44.6 | 45.1 | 44.4 | - | 6.5 | 6.5 | 5.9 | 5.8 | - |
| Miscellaneous chemical products | 289 | 42.3 | 43.1 | 42.6 | 42.1 | - | 4.5 | 4.9 | 4.4 | 4.2 | - |
| Petroleum and coal products | 29 | 44.8 | 44.0 | 43.0 | 43.6 | 42.6 | 7.2 | 7.2 | 6.9 | 6.8 | l _ |
| Petroleum refining | 291 | 44.4 | 42.9 | 41.2 | 42.3 | | 6.0 | 5.9 | 5.5 | 5.2 | _ |
| Asphalt paving and roofing materials | | 46.4 | 46.9 | 47.1 | 46.9 | - | 10.8 | 10.9 | 10.6 | 11.0 | - |
| | | 44.4 | ,, | 44.0 | ,, , | | | ایرا | ,_ | | |
| Rubber and misc. plastics products | 30 | 41.1 | 41.5 | 41.9 | 41.0 | 41.4 | 4.2 | 4.3 | 4.6 | 4.2 | - |
| Tires and inner tubes | | 42.8 | 42.8 | 41.9 | 42.8 | - | 5.2 | 5.5 | 5.3 | 5.6 | - |
| Rubber and plastics footwear | | 43.0 | 39.6 | 40.5 | 41.9 | - | 3.0 | 3.0 | 3.3 | 3.5 | - |
| Hose, belting, gaskets, and packing | | 40.8 | 41.7 | 43.2 | 41.9 | - | 4.1 | 4.0 | 4.9 | 4.3 | - |
| Rubber and plastics hose and belting | | 43.5 | 44.0 | 43.1 | 42.0 | _ | 6.0 | 5.6 | 4.7 | 4.4 | - |
| Fabricated rubber products, nec | 306 | 39.9 | 41.3 | 42.9 | 40.9 | - | 3.4 | 4.0 | 4.6 | 3.6 | - |
| Miscellaneous plastics products, nec | | 41.1 | 41.3 | 41.7 | 40.8 | - | 4.3 | 4.3 | 4.5 | 4.2 | - |
| Leather and leather products | 31 | 36.9 | 38.4 | 38.4 | 36.7 | 38.2 | 1.8 | 2.3 | 1.9 | 1.9 | _ |
| Leather tanning and finishing | 311 | 34.6 | 40.7 | 44.2 | 43.4 | 30.2 | 3.2 | 3.9 | | 5.2 | - |
| Leather tanning and finishing | | | | | | | | | 5.3 | | - |
| Footwear, except rubber | | 37.0 | 37.6 | 37.9 | 34.6 | - | 1.6 | 2.0 | 1.1 | 1.0 | - |
| Men's footwear, except athletic | | 36.8 | 37.6 | 37.4 | 33.6 | - | 1.3 | 2.1 | 0.9 | 1.3 | - |
| Women's footwear, except athletic | | 38.2 | 38.2 | 38.3 | 36.2 | - 1 | 2.1 | 1.7 | 0.8 | 0.0 | - |
| Luggage | | 35.9 | 37.5 | 34.6 | 35.9 | - | 1.4 | 1.4 | 1.5 | 1.5 | - |
| Handbags and personal leather goods | | 38.6 | 39.0 | 37.9 | 37.5 | _ | 1.4 | 2.0 | 1.2 | 1.1 | - |
| | | l | | | | l | | | | | 1 |
| vice-producing | | 33.2 | 33.5 | 32.9 | 33.1 | 33.5 | _ | I – | _ | I – | |
| vice-producingansportation and public utilities | | 33.2 39.7 | 33.5 39.9 | 32.9 39.0 | 33.1 39.0 | 33.5 39.7 | _ | _ | _ | _ | - |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|---|-------------|----------------|----------------|----------------|---------------------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Nondurable goods—Continued | ļ | | | | | | | | | | |
| Paper and allied products—Continued | Ì | 1 | | | | ľ | | | _ | | |
| Paperboard containers and boxes | 265 | \$13.23 | \$13.23 | \$13.39 | \$13.48 | - | \$566.24 | \$571.54 | \$579.79 | \$579.64 | - |
| Corrugated and solid fiber boxes | 2653 | 13.20 | 13.22 | 13.39 | 13.48 | - | 571.56 | 583.00 | 589.16 | 585.03 573.33 | _ |
| Sanitary food containers | 2656 | 13.43 14.05 | 13.52 13.95 | 13.47 14.07 | 13.49 14.16 | _ | 569.43 595.72 | 569.19 585.90 | 575.17 595.16 | 608.88 | _ |
| Folding paperboard boxes Misc. converted paper products | 267 | 13.63 | 13.56 | 14.07 | 14.04 | _ | 579.28 | 573.59 | 596.57 | 591.08 | _ |
| Paper, coated and laminated, nec | 2672 | 15.64 | 15.42 | 16.65 | 16.03 | _ 1 | 674.08 | 650.72 | 717.62 | 684.48 | - |
| Bags: plastics, laminated, and coated | 2673 | 12.37 | 12.21 | 12.76 | 12.79 | - | 528.20 | 520.15 | 542.30 | 535.90 | - |
| Envelopes | 2677 | 12.59 | 12.56 | 12.82 | 13.04 | - | 499.82 | 514.96 | 524.34 | 533.34 | _ |
| Printing and publishing | 27 | 13.44 | 13.47 | 13.73 | 13.80 | \$13.81 | 512.06 | 519.94 | 520.37 | 524.40 | \$530.30 |
| Newspapers | 271 | 13.24 | 13.21 | 13.59 | 13.68 | - | 434.27 | 435.93 | 449.83 | 445.97 | - |
| Periodicals | 272 | 14.83 | 15.12 | 15.48 | 15.29 | - | 530.91 | 553.39 | 563.47 | 567.26 | _ |
| Books | 2/3 | 12.77 | 12.90 | 13.39 | 13.40 | - | 496.75 | 517.29 | 539.62 476.02 | 557.44 482.09 | _ |
| Book publishing | 2733 | 12.13 13.36 | 12.31 13.41 | 12.66 14.00 | 12,72 13.94 | _ | 447.60 546.42 | 455.47 580.65 | 600.60 | 628.69 | _ |
| Book printing | 274 | 12.72 | 12.77 | 12.96 | 12.97 | [- | 471.91 | 482.71 | 456.19 | 453.95 | _ |
| Commercial printing | 275 | 13.72 | 13.74 | 13.88 | 14.00 | l – l | 541.94 | 550.97 | 542.71 | 550.20 | - |
| Commercial printing, lithographic | 2752 | 13.98 | 13.95 | 14.31 | 14.40 | _ | 550.81 | 556.61 | 553.80 | 561.60 | _ |
| Commercial printing, nec | 2759 | 12.95 | 13.00 | 12.84 | 13.01 | - | 515.41 | 523.90 | 511.03 | 519.10 | _ |
| Manifold business forms | 276 | 14.49 | 14.36 | 14.45 | 14.67 | - | 610.03 | 595.94 | 604.01 | 616.14 | - |
| Blankbooks and bookbinding | 278 | 10.49 | 10.51 | 10.73 | 10.75 | - | 417.50 | 423.55 | 419.54 | 424.63 684.20 | - |
| Printing trade services | 2/9 | 16.69 | 16.86 | 16.90 | 17.02 | - | 669.27 | 672.71 | 672.62 | 684.20 | _ |
| Chemicals and allied products | 28 | 17.19 | 17.14 | 17.35 | 17.48 | 17.46 | 734.01 | 737.02 | 746.05 | 744.65 | 752.53 |
| Industrial inorganic chemicals | 281 | 19.08 | 18.98 | 19.48 | 19.66 | - | 856.69 | 844.61 | 825.95 | 837.52 | _ |
| Industrial inorganic chemicals, nec | 2819 | 19.55 | 19.45 | 20.07 | 20.35 | - | 875.84 | 869.42 | 861.00 | 875.05 | - |
| Plastics materials and synthetics | | 18.00 | 17.93 | 18.17 20.55 | 18.39 20.69 | - ' | 775.80 869.44 | 770.99 860.62 | 795.85 900.09 | 798.13 902.08 | _ |
| Plastics materials and resins Organic fibers, noncellulosic | 2821 | 19.76 15.18 | 19.83 15.00 | 15.41 | 15.61 | | 651.22 | 649.50 | 690.37 | 694.65 | _ |
| Drugs | 283 | 17.08 | 17.14 | 17.04 | 17.09 | | 712.24 | 725.02 | 707.16 | 698.98 | _ |
| Pharmaceutical preparations | 2834 | 16.87 | 17.04 | 16.89 | 16.94 | _ | 701.79 | 722.50 | 702.62 | 692.85 | _ |
| Soap, cleaners, and toilet goods | 284 | 13.79 | 13.88 | 14.73 | 14.86 | _ | 557.12 | 576.02 | 621.61 | 621.15 | - |
| Soap and other detergents | 2841 | 17.48 | 17.79 | 18.70 | 18.96 | - | 758.63 | 800.55 | 841.50 | 856.99 | - |
| Polishing, sanitation, and finishing preparations | 2842,3 | 13.50 | 13.41 | 13.97 | 13.95 | - : | 542.70 | 544.45 | 579.76 | 578.93 | - |
| Toilet preparations | 2844 | 12.27 | 12.33 | 12.67 | 12.71 | - | 482.21 | 499.37 | 519.47 | 509.67 | - |
| Paints and allied products | 285 | 14.48 | 14.43 | 14.91 20.30 | 15.01 20.42 | _ | 611.06 917.15 | 603.17 913.14 | 639.64 919.59 | 639.43 920.94 | _ |
| Industrial organic chemicals Cyclic crudes and intermediates | 2865 | 20.61 | 20.52 20.35 | 20.30 | 20.42 | _ | 892.05 | 915.75 | 923.67 | 923.06 | |
| Industrial organic chemicals, nec | 2869 | 20.79 | 20.68 | 20.39 | 20.48 | _ | 927.23 | 916.12 | 923.67 | 925.70 | _ |
| Agricultural chemicals | 287 | 17.18 | 17.33 | 17.30 | 17.50 | - ' | 769.66 | 772.92 | 780.23 | 777.00 | - |
| Miscellaneous chemical products | | 15.51 | 15.30 | 15.76 | 15.86 | - | 656.07 | 659.43 | 671.38 | 667.71 | - |
| Petroleum and coal products | 29 | 20.83 | 20.80 | 21.14 | 21.37 | 21.29 | 933.18 | 915.20 | 909.02 | 931.73 | 906.95 |
| Petroleum refining | 291 | 23.43 | 23.51 | 24.27 | 24.33 | - | 1,040.29 | 1,008.58 | 999.92 | 1,029.16 | - |
| Asphalt paving and roofing materials | 295 | 16.01 | 16.01 | 16.42 | 16.82 | - | 742.86 | 750.87 | 773.38 | 788.86 | - |
| Rubber and misc. plastics products | 30 | 11.91 | 11.84 | | 12.36 | 12.30 | 489.50 | 491.36 | 513.28 | 506.76 | 509.22 |
| Tires and inner tubes | 301 | 18.53 | 18.43 | 19.27 | 19.46 | - | 793.08 | 788.80 | 807.41 | 832.89 | - |
| Rubber and plastics footwear | 1 | 10.14 | 10.15 | 10.46 | 10.24 | _ | 436.02 | 401.94 | 423.63 | 429.06 527.10 | _ |
| Hose, belting, gaskets, and packing Rubber and plastics hose and belting | 3052 | 11.86 | 11.83 11.95 | 12.43 12.40 | 12.58 12.73 | _ | 483.89 527.66 | 493.31 525.80 | 536.98 534.44 | 527.10 | _ |
| Fabricated rubber products, nec | 306 | 11.57 | 11.60 | 12.40 | 12.73 | _ | 461.64 | 479.08 | 517.37 | 496.12 | _ |
| Miscellaneous plastics products, nec | 308 | 11.25 | 11.18 | 11.61 | 11.68 | _ | 462.38 | 461.73 | 484.14 | 476.54 | - |
| Leather and leather products | 31 | 9.14 | 9.28 | 9.57 | 9.56 | 9.67 | 337.27 | 356.35 | 367.49 | 350.85 | 369.39 |
| Leather tanning and finishing | 311 | 12.15 | 11.91 | 12.20 | 12.65 | - | 420.39 | 484.74 | 539.24 | 549.01 | _ |
| Footwear, except rubber | 314 | 8.86 | 8.92 | 9.26 | 9.01 | - | 327.82 | 335.39 | 350.95 | 311.75 | - |
| Men's footwear, except athletic | 3143 | 9.53 | 9.59 | 10.00 | 9.53 | - | 350.70 | 360.58 | 374.00 | 320.21 | - |
| Women's footwear, except athletic | 3144 | 7.72 | 7.75 | 7.90 | 7.86 | _ | 294.90 | 296.05 | 302.57 | 284.53 | - |
| LuggageHandbage and personal leather goods | 316 | 9.28 8.26 | 9.40 8.42 | 9.05 8.25 | 9.00 8.66 | _ | 333.15 318.84 | 352.50 328.38 | 313.13 312.68 | 323.10 324.75 | _ |
| Handbags and personal leather goods | 317 | | | | | | | | | | _ |
| Service-producing | 1 | 12.14 | 12.22 | 12.60 | 12.61 | 12.67 | 403.05 | 409.37 | 414.54 | 417.39 | 424.45 |
| • | | l | | | | | | | | | |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | | Averag | e overtim | e hours | |
|--|-------------|--------------|--------------|--------------|---------------------------|---------------------------|--------------|--------------|--------------|---------------|-------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug 1999 |
| Fransportation and public utilities—Continued | 1 | | } | | | | | | | | |
| Railroad transportation: | | 1 | ļ | | | | | | | | |
| Class I railroads plus Amtrak ³ | 4011 | 47.4 | 46.5 | 46.6 | 47.1 | - ' | - | - | _ | - | - |
| | ۱., | 05.7 | 05.0 | | 05.7 | | | ļ | | | [|
| Local and interurban passenger transit | 41 | 35.7 38.9 | 35.3 39.1 | 34.3 38.6 | 35.7 39.2 | _ | _ | _ | _ | - | _ |
| Local and suburban transportation Intercity and rural bus transportation | | 38.9 | 39.1 | 40.4 | 40.0 | _ | _ | _ | _ | _ | _ |
| intercity and rural bus transportation | - ' ' ' | 00.0 | 00.1 | 10.1 | '0.0 | | | 1 | | | 1 |
| Trucking and warehousing | 42 | 40.4 | 40.7 | 40.6 | 40.3 | - | - | - | - | - | - |
| Trucking and courier services, except air | 421 | 40.5 | 40.7 | 40.6 | 40.3 | - | - | - | - | - ا | - |
| Public warehousing and storage | 422 | 40.2 | 40.7 | 40.5 | 40.2 | _ | _ | - | _ | - | - |
| Water transportation: | | | | | | ĺ | | | | ļ | |
| Water transportation services | 449 | 37.2 | 38.2 | 36.0 | 35.1 | _ | _ | ۱ – | _ | _ | - |
| | | 5 | | | | | ļ | | | | |
| Pipelines, except natural gas | 46 | 43.7 | 45.8 | 43.2 | 43.0 | _ | - | - | - | _ | - |
| Transportation services | 47 | 37.5 | 38.4 | 38.5 | 38.0 | _ | _ | _ | _ | _ | |
| Passenger transportation arrangement | 472 | 37.2 | 38.0 | 38.2 | 37.9 | _ | _ | _ | _ | _ | |
| Travel agencies | 4724 | 37.4 | 38.5 | 38.5 | 38.1 | _ | | _ | _ | - 1 | ۱ - |
| Freight transportation arrangement | 473 | 37.6 | 38.5 | 38.4 | 37.8 |] - | - | - | _ | _ |] - |
| • | 1 | | | | | | | ļ | | | |
| Communications | 48 | 41.3 | 40.4 | 40.6 | 40.6 | - | - | 1 - | - | - | - |
| Telephone communications | 481 | 43.3 | 41.8 | 42.2 | 41.7 | _ | - | _ | _ | _ | _ |
| Telephone communications, except radio | 4813 | 43.9 | 42.2 | 42.7 35.5 | 42.3 36.0 | <u>-</u> | } <u> </u> | <u>-</u> | _ | _ | _ |
| Radio and television broadcasting Cable and other pay television services | 483 | 35.9 39.5 | 36.1 39.9 | 40.1 | 41.4 |] _ | _ | - | | _ | |
| Cable and other pay television services | | 35.5 | 35.5 | 40.1 | 7'.7 | _ | | | | 1 | ļ |
| Electric, gas, and sanitary services | 49 | 42.0 | 42.3 | 42.3 | 42.3 | - | - | - | - | - | - |
| Electric services | 491 | 41.3 | 42.0 | 41.7 | 41.8 | - | - | _ | - | - | [- |
| Gas production and distribution | 492 | 42.0 | 42.7 | 42.2 | 41.6 | - | - | - | - | - | - |
| Combination utility services | 493 | 42.5 | 42.2 | 42.7 | 43.7 | - | - | - | - | - | - |
| Sanitary services | 495 | 43.0 | 42.9 | 43.8 | 43.3 | _ |] - | _ | - | - | - |
| Vholesale trade | | 38.3 | 38.7 | 38.4 | 38.4 | 38.8 | - | - | _ | - | - |
| Durable goods | 50 | 39.0 | 39.5 | 39.0 | 39.0 | _ | - | - | - | - | - |
| Motor vehicles, parts, and supplies | 501 | 37.8 | 37.9 | 37.4 | 37.5 | - | - | - | _ | - | - |
| Furniture and home furnishings | 502 | 37.5 | 37.7 | 37.9 | 37.5 | _ | - | - | - | - | - |
| Lumber and other construction materials | | 40.2 | 40.4 | 40.7 39.4 | 40.8 | _ | _ | _ | - | - | [|
| Professional and commercial equipment Medical and hospital equipment | 504 | 39.5 39.1 | 40.5 40.1 | 39.3 | 39.1 | | _ | _ | _ | _ | _ |
| Metals and minerals, except petroleum | 505 | 41.0 | 41.3 | 40.8 | 40.9 | _ | _ | _ | _ | _ | _ |
| Electrical goods | 506 | 38.9 | 39.8 | 39.2 | 39.3 | _ | _ |] _ | _ | _ | - |
| Hardware, plumbing, and heating equipment | 507 | 38.9 | 39.3 | 39.3 | 39.0 | - | - | - | - | - | - |
| Machinery, equipment, and supplies | 508 | 39.5 | 40.0 | 39.4 | 39.4 | - | _ | _ | - | - | \ - |
| Misc. wholesale trade durable goods | 509 | 37.0 | 37.4 | 37.4 | 37.8 | _ | _ | _ | - | - | - |
| Nondurable goods | 51 | 37.5 | 37.5 | 37.6 | 37.6 | _ | l _ | _ | _ | _ | _ |
| Paper and paper products | 511 | 36.6 | 37.2 | 36.5 | 36.4 | _ | _ | ì – | _ | - | - |
| Drugs, proprietaries, and sundries | 512 | 36.2 | 36.5 | 36.8 | 36.8 | - | - | - | - | - | } - |
| Apparel, piece goods, and notions | 513 | 36.8 | 37.2 | 36.3 | 36.4 | - | - | - | - | - | - |
| Groceries and related products | 514 | 38.5 | 38.5 | 38.8 | 39.0 | [- | - | - | - | - | - |
| Farm-product raw materials | 515 | 34.1 | 34.4 | 34.4 | 34.4 | _ | - |) - | _ | _ | - |
| Chemicals and allied products | 516 | 39.9 | 40.1 | 40.0 38.0 | 39.8 38.0 | _ | _ | _ | _ | 1 - | 1 - |
| Petroleum and petroleum products Beer, wine, and distilled beverages | 518 | 38.1 | 38.1 38.5 | 37.9 | 38.3 | _ | _ | | l _ | _ | _ |
| Misc. wholesale trade nondurable goods | 519 | 36.6 | 36.1 | 36.9 | 36.4 | - | - | - | - | - | - |
| Retail trade | | 29.8 | 29.9 | 29.4 | 29.8 | 30.0 | _ | _ | _ | _ | - |
| Building materials and garden supplies | 52 | 35.5 | 35.6 | 35.8 | 36.1 | _ | | _ | _ | | _ |
| Lumber and other building materials | 521 | 37.0 | 37.3 | 37.5 | 37.9 | _ | _ | 1 - | - | \ _ | \ - |
| Paint, glass, and wallpaper stores | 523 | 35.9 | 35.2 | 35.3 | 35.7 | - | - | i – | _ | - | - |
| Hardware stores | 525 | 31.9 | 31.6 | 30.9 | 31.5 | - | - | - | - | - | - |
| | 526 | 32.5 | 32.3 | 33.7 | 33.1 | | l _ | l _ | 1 _ | 1 - | 1 _ |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|---|-------------|----------------|----------------|----------------|---------------------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Transportation and public utilities—Continued | | | | | | | | | | | |
| Railroad transportation: | | | | | | | | | | | |
| Class I railroads plus Amtrak ³ | 4011 | \$17.93 | \$17.70 | \$17.96 | \$18.02 | - ' | \$849.88 | \$823.05 | \$836.94 | \$848.74 | - |
| 1 1 4 4 | 44 | 11 20 | 44.44 | 11.61 | 11.78 | | 406.62 | 402.77 | 398.22 | 420.55 | _ |
| Local and interurban passenger transitLocal and suburban transportation | 41 411 | 11.39 11.76 | 11.41 11.78 | 11.61 12.02 | 12.15 | | 457.46 | 460.60 | 463.97 | 420.33 476.28 | _ |
| Intercity and rural bus transportation | | 13.61 | 13.43 | 13.19 | 13.48 | - 1 | 529.43 | 525.11 | 532.88 | 539.20 | _ |
| | | | | | | | | | | } | |
| Trucking and warehousing | 42 | 13.58 | 13.58 | 13.93 | 13.91 | - | 548.63 | 552.71 | 565.56 | 560.57 | - |
| Trucking and courier services, except air | 421 | 13.80 11.15 | 13.82 11.01 | 14.14 11.68 | 14.11 11.77 | _ | 558.90 448.23 | 562.47 448.11 | 574.08 473.04 | 568.63 473.15 | _ |
| Public warehousing and storage | 422 | 11.13 | 11.01 | 11.00 | 11.77 | _ | 440.23 | 440.11 | 475.04 | 475.15 | _ |
| Water transportation: | | [| | | | | | | | | ì |
| Water transportation services | 449 | 19.81 | 19.07 | 18.59 | 18.91 | - | 736.93 | 728.47 | 669.24 | 663.74 | } - |
| Pipelines, except natural gas | 46 | 20.28 | 20.49 | 21.74 | 21.45 | - | 886.24 | 938.44 | 939.17 | 922.35 | _ |
| | | 1044 | 10.57 | 13.88 | 14.00 | _ | 502.88 | 521.09 | 534.38 | 532.00 | _ |
| Transportation services Passenger transportation arrangement | 472 | 13.41 13.66 | 13.57 13.90 | 14.20 | 14.00 | _ | 502.66 | 528.20 | 542.44 | 542.73 | _ |
| Travel agencies | 4724 | 13.87 | 14.15 | 14.49 | 14.63 | _ | 518.74 | 544.78 | 557.87 | 557.40 | - |
| Freight transportation arrangement | 473 | 13.44 | 13.55 | 13.91 | 14.03 | - 1 | 505.34 | 521.68 | 534.14 | 530.33 | - |
| | | | | | | | | | | | |
| Communications | 48 | 17.19 | 17.36 | 17.36 | 17.45 | - | 709.95 | 701.34 | 704.82 | 708.47 | - |
| Telephone communications | | 17.52 | 17.79 | 17.62 18.13 | 17.81 18.40 | _ | 758.62 789.76 | 743.62 770.57 | 743.56 774.15 | 742.68 778.32 | _ |
| Telephone communications, except radio | 4813 | 17.99 17.87 | 18.26 17.85 | 18.27 | 18.31 | - | 641.53 | 644.39 | 648.59 | 659.16 | _ |
| Cable and other pay television services | 484 | 14.46 | 14.48 | 14.80 | 14.54 | _ | 571.17 | 577.75 | 593.48 | 601.96 | _ |
| , , | | | | | | | | | | | |
| Electric, gas, and sanitary services | 49 | 19.82 | 19.96 | 20.33 | 20.84 | - | 832.44 | 844.31 | 859.96 | 881.53 | - |
| Electric services | 491 | 20.89 | 20.91 18.42 | 21.58 18.54 | 21.98 18.59 | _ | 862.76 768.60 | 878.22 786.53 | 899.89 782.39 | 918.76 773.34 | _ |
| Gas production and distribution | 492 | 18.30 24.19 | 24.61 | 24.08 | 25.56 | _ | 1,028.08 | 1,038.54 | 1,028.22 | 1,116.97 | _ |
| Sanitary services | 495 | 15.59 | 15.77 | 16.57 | 16.82 | - 1 | 670.37 | 676.53 | 725.77 | 728.31 | } – |
| Wholesale trade | ! | 14.04 | 14.18 | 14.44 | 14.54 | \$14.64 | 537.73 | 548.77 | 554.50 | 558.34 | \$568.03 |
| Durable goods | 50 | 14.69 | 14.83 | 15.12 | 15.27 | _ | 572.91 | 585.79 | 589.68 | 595.53 | _ |
| Motor vehicles, parts, and supplies | 501 | 13.09 | 13.03 | 13.43 | 13.49 | _ | 494.80 | 493.84 | 502.28 | 505.88 | _ |
| Furniture and home furnishings | 502 | 13.15 | 13.15 | 13.02 | 13.15 | _ | 493.13 | 495.76 | 493.46 | 493.13 | l – |
| Lumber and other construction materials | 503 | 13.19 | 13.34 | 13.57 | 13.70 | _ | 530.24 | 538.94 | 552.30 | 558.96 | - |
| Professional and commercial equipment | 504 | 17.39 | 17.64 | 18.00 | 18.19 | - | 686.91 | 714.42 | 709.20 | 714.87 | - |
| Medical and hospital equipment | 5047 | 17.15 | 17.16 | 17.54 | 17.46 | - | 670.57 | 688.12 | 689.32 | 682.69 | - |
| Metals and minerals, except petroleum | 505 | 13.91 | 14.06 | 14.26 | 14.23 | - | 570.31 | 580.68 | 581.81 | 582.01 | - |
| Electrical goods | 506 | 15.60 13.82 | 15.82 13.90 | 15.69 14.10 | 15.88 14.36 | _ | 606.84 537.60 | 629.64 546.27 | 615.05 554.13 | 624.08 560.04 | - |
| Hardware, plumbing, and heating equipment Machinery, equipment, and supplies | 508 | 14.71 | 14.85 | 15.24 | 15.38 | | 581.05 | 594.00 | 600.46 | 605.97 | _ |
| Misc. wholesale trade durable goods | | 11.39 | 11.38 | 11.71 | 11.82 | _ | 421.43 | 425.61 | 437.95 | 446.80 | - |
| | | 40.40 | 40.04 | 40.45 | 40.40 | | 404.05 | 400 50 | F0F 7 0 | F07.00 | |
| Nondurable goods | 51 | 13.10 | 13.24 | 13.45 | 13.49 13.62 | _ | 491.25 497.76 | 496.50 511.87 | 505.72 493.85 | 507.22 495.77 | - |
| Paper and paper products Drugs, proprietaries, and sundries | 512 | 13.60 16.96 | 13.76 17.50 | 13.53 18.14 | 18.20 | - | 613.95 | 638.75 | 667.55 | 669.76 | _ |
| Apparel, piece goods, and notions | 513 | 12.66 | 12.57 | 13.01 | 12.89 | _ | 465.89 | 467.60 | 472.26 | 469.20 | _ |
| Groceries and related products | 514 | 13.21 | 13.39 | 13.50 | 13.48 | _ | 508.59 | 515.52 | 523.80 | 525.72 | - |
| Farm-product raw materials | | 10.01 | 9.96 | 10.30 | 10.31 | - | 341.34 | 342.62 | 354.32 | 354.66 | _ |
| Chemicals and allied products | | 15.09 | 15.25 | 15.79 | 15.96 | - | 602.09 | 611.53 | 631.60 | 635.21 | - |
| Petroleum and petroleum products | | 11.90 15.40 | 11.85 15.27 | 12.13 15.52 | 12.28 15.56 | _ | 453.39 588.28 | 451.49 587.90 | 460.94 588.21 | 466.64 595.95 | _ |
| Misc. wholesale trade nondurable goods | | 10.81 | 10.85 | 11.01 | 11.07 | _ | 395.65 | 391.69 | 406.27 | 402.95 | _ |
| • | | 8.69 | 8.72 | 9.02 | 9.02 | 9.03 | 258.96 | 260.73 | 265.19 | 268.80 | 270.90 |
| Retail trade | | 1 | | | | | | | | | |
| • | | | 20.00 | 4000 | 40.00 | | | | | | |
| Building materials and garden supplies | 52 | 10.22 | 10.29 | 10.63 | 10.69 | _ | 362.81 | 366.32 | 380.55 | 385.91 | _ |
| Building materials and garden supplies Lumber and other building materials | 521 | 10.69 | 10.73 | 11.12 | 11.16 | - | 395.53 | 400.23 | 417.00 | 422.96 | - - |
| Building materials and garden supplies | 521 523 | | | | | | | | | | |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | | Average | e overtim | e hours | |
|--|-------------|--------------|--------------|--------------|---------------------------|---------------------------|--------------|--------------|--------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Retail trade—Continued | | | | | | | | 1 | | İ | |
| General merchandise stores | 53 | 31.3 | 30.3 | 30.6 | 30.8 | _ | _ | _ | _ | _ | - |
| Department stores | 531 | 31.4 | 30.3 | 30.8 | 30.9 | _ | _ | _ | _ | _ | |
| Variety stores | | 28.8 | 28.7 | 27.9 | 28.2 | | _ | _ | _ | - | _ |
| Misc. general merchandise stores | | 31.0 | 30.9 | 30.3 | 30.9 | _ | - | - | - | - | - |
| Food stores | 54 | 30.8 | 30.8 | 30.6 | 30.9 | _ | - | _ | _ | _ | - |
| Grocery stores | 541 | 31.0 | 31.0 | 30.7 | 31.1 | | _ | _ | - | - | _ |
| Retail bakeries | | 29.6 | 29.8 | 29.0 | 29.2 | - | - | - | - | - | - |
| Automotive dealers and service stations | 55 | 35.9 | 35.9 | 35.7 | 35.9 | _ | - | - | - | _ | _ |
| New and used car dealers | 551 | 37.1 | 37.3 | 37.0 | 37.1 | - | - | - | - | - | - |
| Auto and home supply stores | 553 | 38.7 | 38.8 | 38.6 | 38.9 | _ | - | - | - | - | - |
| Gasoline service stations | 554 | 32.5 | 32.3 | 32.3 | 32.5 | l – | - | - | - | - | - |
| Automotive dealers, nec | | 35.5 | 37.0 | 34.1 | 34.5 | - | _ | - | - | - | - |
| Apparel and accessory stores | 56 | 27.5 | 28.2 | 26.6 | 27.1 | - | _ | - | _ | _ | - |
| Men's and boys' clothing stores | 561 | 28.9 | 29.2 | 28.7 | 29.5 | - | - | - | - | - | - |
| Women's clothing stores | 562 | 24.9 | 25.2 | 24.3 | 24.3 | - | - | - | _ | - | - |
| Family clothing stores | 565 | 28.4 | 29.3 | 27.4 | 27.8 | | - | - | - | - | - 1 |
| Shoe stores | 566 | 27.6 | 28.6 | 27.0 | 27.6 | - | - | - | - | - | - |
| Furniture and home furnishings stores | 57 | 33.7 | 33.8 | 33.0 | 33.3 | _ | _ | _ | _ | - | - |
| Furniture and home furnishings stores | 571 | 33.3 | 33.5 | 33.2 | 33.4 | - | l – | - | - | l – | - |
| Household appliance stores | | 34.7 | 34.9 | 34.2 | 34.6 | - | l – | - | - | . – | - |
| Radio, television, and computer stores | | 33.9 | 34.1 | 32.7 | 33.0 | - | - | - | - | - | - |
| Radio, television, and electronic stores | 5731 | 33.5 | 33.5 | 32.5 | 33.1 | ۱ – | - | - | - 1 | - | _ |
| Record and prerecorded tape stores | | 27.5 | 27.2 | 26.2 | 26.7 | - | _ | - | - | - | - |
| Eating and drinking places ⁴ | 58 | 26.3 | 26.7 | 25.9 | 26.4 | _ | - | - | - | - | - |
| Miscellaneous retail establishments | 59 | 30.2 | 30.3 | 29.7 | 30.1 | _ | - | - | - | - |] - |
| Drug stores and proprietary stores | 591 | 29.6 | 29.4 | 29.0 | 29.6 | - | - | - | - | - 1 | - |
| Used merchandise stores | | 30.3 | 30.9 | 30.2 | 30.7 | - | - | - | _ | - | - |
| Miscellaneous shopping goods stores | | 28.9 | 29.1 | 28.0 | 28.7 | _ | _ | l - | _ | - | - |
| Nonstore retailers | | 32.7 | 32.9 | 33.3 | 33.6 | - | - | - | - | - | - |
| Fuel dealers | | 36.8 | 36.9 | 36.5 | 36.7 | - | l – | _ | | _ | - |
| Retail stores, nec | | 31.2 | 31.3 | 30.7 | 30.6 | 1 - | ۱ – | - | 1 - | Ì – | - |
| Optical goods stores | 5995 | 33.9 | 34.5 | 33.9 | 33.8 | 1 _ | l _ | _ | _ | l – | _ |
| Miscellaneous retail stores, nec | 5999 | 31.9 | 31.8 | 31.1 | 31.0 | - | - | - | - | - | - |
| Finance, insurance, and real estate ⁵ | | 36.1 | 36.9 | 35.9 | 36.1 | 36.8 | - | - | - | - | - |
| Depository institutions | 60 | 35.4 | 36.3 | 35.4 | 35.7 | _ | _ | _ | | _ | |
| Commercial banks | 602 | 35.1 | 36.2 | 35.3 | 35.6 | _ | _ | l – | l _ | _ | 1 - |
| State commercial banks | | 35.2 | 36.2 | 35.1 | 35.4 | _ | | ۱ ـ | l – | i - | l _ |
| National and commercial banks, nec | 6021 9 | 35.1 | 36.3 | 35.4 | 35.7 | ነ _ | _ | i _ | i | _ |] _ |
| Credit unions | 606 | 35.9 | 36.5 | 35.7 | 35.8 | - | - | _ | - | - | - |
| Nondepository institutions | 61 | 38.2 | 39.5 | 37.6 | 37.9 | _ | _ | _ | _ | _ | _ |
| Personal credit institutions | 614 | 38.2 | 40.0 | 38.2 | 38.4 | _ | - | - | - | - | - |
| Security and commodity brokers: | | | ĺ | | | | | | Ì | | |
| Security and commodity services | 628 | 37.8 | 39.4 | 37.9 | 37.7 | - | - | - | - | - | - |
| Insurance carriers | 63 | 38.8 | 39.2 | 38.3 | 38.5 | _ | - | - | - | - | - |
| Life insurance | . 631 | 38.8 | 39.0 | 38.5 | 38.5 | _ | - | - | l - | - | - |
| Medical service and health insurance | . 632 | 38.7 | 38.9 | 38.1 | 38.5 | - | - | - | - | - | 1 - |
| and the state of t | . 6324 | 39.2 | 39.2 | 38.5 | 39.0 | - | - | - | - | - | - |
| Hospital and medical service plans | 1600 | 39.0 | 39.2 | 38.2 | 38.6 | 1 - | - | - | - | - | 1 - |
| Hospital and medical service plansFire, marine, and casualty insurance | . 633 | 00.0 | | 1 | | | | ı | 1 | 1 | 1 |
| Fire, marine, and casualty insurance | 1 | 32.9 | 33.2 | 32.6 | 32.8 | 33.2 | _ | - | - | - | - |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|--|-------------|----------------|----------------|----------------|----------------|---------------------------|------------------|------------------|------------------|---------------------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
| Retail trade—Continued | | | | | | | | | : | | |
| General merchandise stores | 53 | \$8.53 | \$8.61 | \$8.96 | \$8.92 | _ | \$266.99 | \$260.88 | \$274.18 | \$274.74 | _ |
| Department stores | | 8.58 | 8.67 | 9.02 | 8.97 | | 269.41 | 262.70 | 277.82 | 277.17 | l – |
| Variety stores | | 7.59 | 7.60 | 7.97 | 7.88 | | 218.59 | 218.12 | 222.36 | 222.22 | l – |
| Misc. general merchandise stores | 539 | 8.36 | 8.31 | 8.62 | 8.69 | - | 259.16 | 256.78 | 261.19 | 268.52 | - |
| Food stores | 54 | 8.97 | 9.00 | 9.29 | 9.24 | _ | 276.28 | 277.20 | 284.27 | 285.52 | _ |
| Grocery stores | | 9.06 | 9.09 | 9.39 | 9.34 | - | 280.86 | 281.79 | 288.27 | 290.47 | - |
| Retail bakeries | | 8.10 | 8.17 | 8.42 | 8.37 | - | 239.76 | 243.47 | 244.18 | 244.40 | - |
| Automotive dealers and service stations | 55 | 12.21 | 12.27 | 12.54 | 12.66 | _ | 438.34 | 440.49 | 447.68 | 454.49 | _ |
| New and used car dealers | 551 | 15.53 | 15.63 | 15.88 | 16.10 | - | 576.16 | 583.00 | 587.56 | 597.31 | - |
| Auto and home supply stores | 553 | 10.08 | 10.11 | 10.35 | 10.40 | _ | 390.10 | 392.27 | 399.51 | 404.56 | - |
| Gasoline service stations | 554 | 7.86 | 7.87 | 8.15 | 8.20 | _ | 255.45 | 254.20 | 263.25 | 266.50 | - |
| Automotive dealers, nec | | 13.92 | 13.34 | 13.67 | 13.43 | - | 494.16 | 493.58 | 466.15 | 463.34 | - |
| Apparel and accessory stores | 56 | 8.40 | 8.37 | 8.87 | 8.79 | | 231.00 | 236.03 | 235.94 | 238.21 | _ |
| Men's and boys' clothing stores | 561 | 10.20 | 10.08 | 10.49 | 10.31 | - | 294.78 | 294.34 | 301.06 | 304.15 | - |
| Women's clothing stores | 562 | 8.28 | 8.40 | 8.90 | 8.79 | | 206.17 | 211.68 | 216.27 | 213.60 | - |
| Family clothing stores | 565 | 8.28 | 8.20 | 8.62 | 8.56 | - | 235.15 | 240.26 | 236.19 | 237.97 | - |
| Shoe stores | 566 | 8.12 | 8.07 | 8.51 | 8.33 | - | 224.11 | 230.80 | 229.77 | 229.91 | _ |
| Furniture and home furnishings stores | 57 | 11.78 | 11.99 | 12.06 | 12.21 | - | 396.99 | 405.26 | 397.98 | 406.59 | - |
| Furniture and home furnishings stores | 571 | 11.14 | 11.25 | 11.48 | 11.55 | - | 370.96 | 376.88 | 381.14 | 385.77 | - |
| Household appliance stores | | 11.27 | 11.49 | 11.44 | 11.52 | _ | 391.07 | 401.00 | 391.25 | 398.59 | - |
| Radio, television, and computer stores | 573 | 12.61 | 12.93 | 12.83 | 13.09 | - | 427.48 | 440.91 | 419.54 | 431.97 | - |
| Radio, television, and electronic stores | | 11.53 | 11.87 | 11.98 | 12.04 | - ' | 386.26 | 397.65 | 389.35 | 398.52 | - |
| Record and prerecorded tape stores | | 7.17 | 7.04 | 7.44 | 7.50 | - | 197.18 | 191.49 | 194.93 | 200.25 | - |
| Eating and drinking places ⁴ | 58 | 6.33 | 6.37 | 6.58 | 6.58 | - | 166.48 | 170.08 | 170.42 | 173.71 | - |
| Miscellaneous retail establishments | 59 | 9.44 | 9.44 | 9.77 | 9.78 | _ | 285.09 | 286.03 | 290.17 | 294.38 | - |
| Drug stores and proprietary stores | 591 | 10.01 | 10.00 | 10.31 | 10.35 | - | 296.30 | 294.00 | 298.99 | 306.36 | - |
| Used merchandise stores | | 7.91 | 7.87 | 8.12 | 8.19 | - | 239.67 | 243.18 | 245.22 | 251.43 | – |
| Miscellaneous shopping goods stores | 594 | 8.70 | 8.73 | 9.06 | 9.00 | | 251.43 | 254.04 | 253.68 | 258.30 | - |
| Nonstore retailers | 596 | 10.10 | 10.02 | 10.53 | 10.55 | _ | 330.27 | 329.66 | 350.65 | 354.48 | _ |
| Fuel dealers | | 12.51 | 12.49 | 12.80 | 12.85 | l – | 460.37 | 460.88 | 467.20 | 471.60 |] _ |
| Retail stores, nec | | 9.61 | 9.66 | 9.93 | 9.99 | _ | 299.83 | 302.36 | 304.85 | 305.69 | _ |
| Optical goods stores | 5995 | 11.13 | 11.26 | 11.64 | 11.65 | _ | 377.31 | 388.47 | 394.60 | 393.77 | _ |
| Miscellaneous retail stores, nec | 5999 | 9.96 | 9.99 | 10.27 | 10.31 | - | 317.72 | 317.68 | 319.40 | 319.61 | - |
| Finance, insurance, and real estate ⁵ | | 13.94 | 14.12 | 14.50 | 14.53 | \$14.66 | 503.23 | 521.03 | 520.55 | 524.53 | \$539.49 |
| Depository institutions | 60 | 10.73 | 10.89 | 11.19 | 11.15 | _ | 379.84 | 395.31 | 396.13 | 398.06 | - |
| Commercial banks | 602 | 10.34 | 10.51 | 10.76 | 10.69 | _ | 362.93 | 380.46 | 379.83 | 380.56 | ì – |
| State commercial banks | | 10.05 | 10.16 | 10.37 | 10.39 | – | 353.76 | 367.79 | 363.99 | 367.81 | - |
| National and commercial banks, nec | 6021,9 | 10.53 | 10.74 | 11.04 | 10.90 | - | 369.60 | 389.86 | 390.82 | 389.13 | _ |
| Credit unions | | 10.53 | 10.60 | 10.94 | 10.97 | - | 378.03 | 386.90 | 390.56 | 392.73 | - |
| Nondepository institutions | 61 | 14.59 | 14.79 | 15.40 | 15.40 | _ | 557.34 | 584.21 | 579.04 | 583.66 | _ |
| Personal credit institutions | 614 | 12.27 | 12.39 | 12.50 | 12.38 | - | 468.71 | 495.60 | 477.50 | 475.39 | _ |
| Security and commodity brokers: | | | | | | | | | | | ł |
| Security and commodity services | 628 | 20.91 | 21.01 | 21.58 | 21.75 | - | 790.40 | 827.79 | 817.88 | 819.98 | - |
| Insurance carriers | 63 | 16.62 | 16.82 | 16.97 | 17.07 | - | 644.86 | 659.34 | 649.95 | 657.20 | - |
| Life insurance | | 15.10 | 15.15 | 15.46 | 15.44 | - | 585.88 | 590.85 | 595.21 | 594.44 | - |
| Medical service and health insurance | | 15.60 | 16.07 | 16.20 | 16.39 | - | 603.72 | 625.12 | 617.22 | 631.02 | - |
| Hospital and medical service plansFire, marine, and casualty insurance | | 15.95 18.08 | 16.50 18.25 | 16.63 18.44 | 16.79 18.53 | _ | 625.24 705.12 | 646.80 715.40 | 640.26 704.41 | 654.81 715.26 | <i>-</i> - |
| Services | 1 | 12.68 | 12.75 | 13.23 | 13.20 | 13.28 | 417.17 | 423.30 | 431.30 | 432.96 | 440.90 |
| |] | | | | | | | | | | 740.5 |
| Agricultural services | 107 | 9.87 | 9.89 | 10.12 | 10.18 | - | 354.33 | 352.08 | 364.32 | 361.39 | ı – |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | ŀ | Average | e overtim | e hours | |
|---|---------------|--------------|--------------|--------------|---------------|----------------|--------------|--------------|--------------|---------------------------|---------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999P | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999P |
| Services—Continued | | | | | | | | | | | |
| Agricultural services—Continued | 1 | | | | | } | İ | } | | | i |
| Veterinary services | 074 | 29.6 | 29.8 | 29.2 | 29.5 | ĺ _ | _ | _ | l _ | l _ | _ |
| A sed-see and beginning agricus | 074 | 38.5 | 38.0 | 38.5 | 37.7 | l – | - | | _ | l _ | _ |
| Landscape and horticultural services | . 1078 | 30.5 | 36.0 | 36.5 | 37.7 | - | _ | i - | _ | } _ | _ |
| Hotels and other lodging places: | | | | | ļ | | , | | ļ | ļ | |
| Hotels and motels ⁴ | 701 | 32.1 | 32.8 | 31.1 | 31.6 | - | - | - | - | j - | - |
| Personal services: | 1 | i | İ | | 1 | | } | | <u> </u> | \ | |
| Laundry, cleaning, and garment services | 721 | 34.0 | 34.2 | 34.6 | 34.3 | - | _ | _ | _ | _ | l – |
| Beauty shops ⁴ | 723 | 27.9 | 28.5 | 28.1 | 27.8 | | ł _ | l _ | _ | _ | l _ |
| Miscellaneous personal services | 729 | 26.8 | 27.5 | 28.5 | 28.2 | - | | l – | _ | _ | l – |
| | 1 | | ļ | | | İ | ļ | ļ | ļ | ļ | ļ |
| Business services | | 33.6 | 34.0 | 33.7 | 33.6 | - | - | - | - | - | - |
| Advertising | . 731 | 36.3 | 37.2 | 36.7 | 36.6 | _ | _ | - | _ | _ | _ |
| Mailing, reproduction, and stenographic services: | | 1 | | | | | 1 | | |] | |
| Photocopying and duplicating services | | 37.0 | 36.8 | 36.6 | 36.4 | _ | _ | _ | - | - | i – |
| Services to buildings | . 734 | 28.3 | 28.9 | 29.0 | 28.8 | - |) - | , – | - |) - |] - |
| Disinfecting and pest control services | . 7342 | 37.6 | 39.3 | 37.7 | 37.8 | - | - | _ | - | - | _ |
| Building maintenance services, nec | 7349 | 27.5 | 27.9 | 28.2 | 27.9 | - | - | _ | - | _ | - |
| Miscellaneous equipment rental and leasing | | 39.1 | 39.5 | 39.4 | 38.8 | ! – | - | - | - | - | _ |
| Medical equipment rental | 1 | 36.2 | 37.1 | 35.6 | 35.5 | l – | | - | _ | - | _ |
| Heavy construction equipment rental | | 41.8 | 41.6 | 41.5 | 41.6 | l – | _ | - | l – | _ | ۱ – |
| Equipment rental and leasing, nec | 7359 | 38.8 | 39.3 | 39.6 | 38.7 | l _ | l _ | _ | _ | _ | l _ |
| Personnel supply services: | . 7000 | 00.0 | 00.0 | 00.0 | 00.7 | | | 1 | | ľ | Ì |
| Help supply services | 7262 | 32.7 | 33.0 | 32.4 | 32.2 | l _ | _ | l _ |] _ | _ |] _ |
| Help supply services | . 7303 | | | 38.4 | 38.4 | | _ | _ | _ | _ | _ |
| Computer and data processing services | | 38.3 | 39.1 | | | , | | ļ | _ | _ | - |
| Computer programming services | . 7371 | 37.8 | 38.5 | 37.5 | 37.7 | _ | _ | - | 1 | 1 | - |
| Computer integrated systems design | | 39.5 | 40.7 | 39.6 | 39.5 | - | - | - | - | - | - |
| Information retrieval services | | 38.4 | 38.8 | 39.0 | 39.6 |) - | - | - | - | - | - |
| Computer maintenance and repair | . 7378 | 39.5 | 40.3 | 38.4 | 39.2 | - | - | \ - | - | - | - |
| Miscellaneous business services | . 738 | 33.2 | 33.3 | 33.2 | 33.5 | - | \ - | - | - | - | - |
| Detective and armored car services | . 7381 | 34.9 | 35.2 | 35.1 | 35.5 | - | - | - | - | - | - |
| Security systems services | . 7382 | 36.5 | 37.1 | 36.9 | 36.9 | - | - | - | - | - | - |
| Auto repair, services, and parking | 75 | 36.5 | 36.6 | 35.9 | 36.0 | - | _ | l _ | _ | _ | _ |
| Automotive rentals, without drivers | 751 | 37.6 | 37.5 | 36.6 | 36.3 | | ۱ – | - | _ ا | ١ ـ | _ |
| Passenger car rental | 7514 | 37.8 | 37.6 | 36.4 | 36.1 | l _ | Í _ | _ | l - | l _ | - |
| Automobile parking | 752 | 32.6 | 33.1 | 33.1 | 33.1 | l _ | l _ | 1 _ | _ | - | _ |
| Automotive repair shops | 752 | 38.3 | 38.4 | 38.0 | 37.9 | l – | _ | _ | ۱ _ | i _ | ì _ |
| Automotive and tire repair shops | 7532 4 | 38.3 | 38.3 | 38.0 | 38.1 | ì <u> </u> | l _ | i _ | l _ | l _ | l _ |
| Automotive and the repair shops | 7532,4 | 38.2 | 38.2 | 37.5 | 37.6 | l _ | l _ | _ | l _ | _ ا | _ ا |
| General automotive repair shops | | 32.6 | 32.7 | 30.7 | 31.5 | | I _ | | l _ | _ | _ |
| Automotive services, except repair | | 1 | 1 | | 28.8 | | | | l _ | l | l _ |
| Carwashes | . 7542 | 30.1 | 30.2 | 28.0 | 20.0 | - | - | \ | - | \ - | - |
| Miscellaneous repair services | . 76 | 38.7 | 38.7 | 38.2 | 38.1 | - | - | - | _ | - | - |
| Motion pictures | . 78 | 30.9 | 31.0 | 29.8 | 30.7 | - | - | - | - | - | - |
| Motion picture production and services | | 38.9 | 39.7 | 38.3 | 39.0 | - | - | - | - | - | - |
| Video tape rental | | 24.9 | 24.4 | 23.5 | 24.4 | - | - | - | - | _ | - |
| A | 70 | 28.3 | 28.4 | 27.1 | 28.4 | \ _ | _ | l _ | 1 _ | l _ | l _ |
| Amusement and recreation services | 702 | 24.8 | 25.6 | 25.0 | 25.6 | _ | _ | l _ | l _ | | l _ |
| Bowling centers | . 793 | | | 27.2 | 28.8 | I - | | | _ | I _ | \ _ |
| Misc. amusement and recreation services | 799 7991 | 29.0 19.9 | 28.8 | 18.6 | 19.1 | - | I _ | 1 - | 1 _ | _ | 1 _ |
| Physical fitness facilities Membership sports and recreation clubs | | 29.6 | 29.2 | 28.6 | 29.6 | - | - | _ | - | _ | _ |
| | | | | | | | | | | | ļ |
| Health services | . 80 | 33.1 | 33.2 | 32.8 | 32.9 | - | - | - | - | - | - |
| Offices and clinics of medical doctors | 801 | 32.6 | 33.0 | 32.7 | 32.7 | - | - | - | - | - | - |
| Offices and clinics of dentists | . 802 | 28.3 | 28.4 | 27.7 | 27.6 | - | - | - | - | - | - |
| Offices and clinics of other health practitioners | . 804 | 30.0 | 30.4 | 30.1 | 30.0 | - | - | - | - | - |) - |
| Nursing and personal care facilities | . 805 | 32.9 | 32.9 | 32.5 | 32.9 | - | - | - | - | - | - |
| Intermediate care facilities | . 8052 | 32.0 | 31.9 | 31.8 | 32.3 | _ | - | - | - | - | 1 - |
| Hospitals | | 34.9 | 35.0 | 34.6 | 34.6 | _ | i – | - | - | - | - |

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | <u> </u> | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|---|-------------|--------------|--------------|--------------|---------------------------|---------------|--------------|--------------|--------------|---------------|--------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999P | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 |
| services—Continued | | | | | | | | | | | |
| Agricultural services—Continued | | | | | | | | | | | |
| Veterinary services | 074 | \$9.90 | \$9.90 | \$10.04 | \$10.14 | - | \$293.04 | \$295.02 | \$293.17 | \$299.13 | _ |
| Landscape and horticultural services | | 9.92 | 9.95 | 10.14 | 10.21 | - | 381.92 | 378.10 | 390.39 | 384.92 | - |
| Hotels and other lodging places: Hotels and motels ⁴ | 701 | 8.73 | 8.74 | 9.10 | 9.01 | | 280.23 | 286.67 | 283.01 | 284.72 | _ |
| Personal services: | | | | | | | | i | | | |
| Laundry, cleaning, and garment services | 721 | 8.44 | 8.42 | 8.73 | 8.74 | _ ' | 286.96 | 287.96 | 302.06 | 299.78 | _ |
| December of the services | 721 | 9.54 | 9.48 | 9.95 | 9.94 | _ | 266.17 | 270.18 | 279.60 | 276.33 | |
| Beauty shops ⁴ | | 9.54 | 9.46 | 9.60 | 9.54 | | 245.22 | 248.88 | 273.60 | 269.03 | _ |
| • | ļ | 10.57 | 10.60 | 12.16 | 12.17 | | 422.35 | 428.40 | 443,49 | 442.51 | |
| Business services | 73 | 12.57 | 12.60 | 13.16 | 13.17 | - | | | - | | _ |
| Advertising | /31 | 17.51 | 17.80 | 18.62 | 18.55 | - | 635.61 | 662.16 | 683.35 | 678.93 | _ |
| Mailing, reproduction, and stenographic services: | | أيبيرا | 44.00 | 44.55 | 44.00 | | 140 1 | 440.55 | 405.00 | 400.00 | |
| Photocopying and duplicating services | /334 | 11.15 | 11.21 | 11.63 | 11.92 | - | 412.55 | 412.53 | 425.66 | 433.89 | _ |
| Services to buildings | 734 | 8.28 | 8.29 | 8.63 | 8.61 | - | 234.32 | 239.58 | 250.27 | 247.97 | _ |
| Disinfecting and pest control services | 7342 | 11.46 | 11.54 | 12.05 | 11.98 | - | 430.90 | 453.52 | 454.29 | 452.84 | |
| Building maintenance services, nec | 7349 | 7.87 | 7.86 | 8.21 | 8.18 | - | 216.43 | 219.29 | 231.52 | 228.22 | _ |
| Miscellaneous equipment rental and leasing | 735 | 12.69 | 12.83 | 13.07 | 13.20 | _ | 496.18 | 506.79 | 514.96 | 512.16 | _ |
| Medical equipment rental | | 12.53 | 12.65 | 13.06 | 13.33 | - | 453.59 | 469.32 | 464.94 | 473.22 | _ |
| Heavy construction equipment rental | | 16.53 | 16.80 | 17.42 | 17.64 | _ | 690.95 | 698.88 | 722.93 | 733.82 | _ |
| Equipment rental and leasing, nec | | 11.47 | 11.59 | 11.70 | 11.73 | _ | 445.04 | 455.49 | 463.32 | 453.95 | _ |
| | 1,000 | ''-7' | 11.55 | 11.70 | 11.70 | | 440.04 | 400.40 | 400.0L | 400.00 | |
| Personnel supply services: | 7262 | 10.23 | 10.13 | 10.51 | 10.46 | _ | 334.52 | 334.29 | 340.52 | 336.81 | |
| Help supply services | 7363 | | | | | | | | | | _ |
| Computer and data processing services | /3/ | 21.24 | 21.50 | 22.31 | 22.26 | - | 813.49 | 840.65 | 856.70 | 854.78 | _ |
| Computer programming services | /3/1 | 24.35 | 24.69 | 25.53 | 25.04 | - | 920.43 | 950.57 | 957.38 | 944.01 | _ |
| Computer integrated systems design | 7373 | 20.80 | 20.88 | 21.36 | 21.37 | - | 821.60 | 849.82 | 845.86 | 844.12 | _ |
| Information retrieval services | 7375 | 15.84 | 15.63 | 15.71 | 15.82 | - | 608.26 | 606.44 | 612.69 | 626.47 | _ |
| Computer maintenance and repair | | 16.37 | 16.64 | 17.15 | 17.27 | _ | 646.62 | 670.59 | 658.56 | 676.98 | _ |
| Miscellaneous business services | | 10.16 | 10.10 | 10.45 | 10.52 | _ | 337.31 | 336.33 | 346.94 | 352.42 | _ |
| Detective and armored car services | 7381 | 8.29 | 8.21 | 8.64 | 8.82 | _ | 289.32 | 288.99 | 303.26 | 313.11 | _ |
| Security systems services | 7382 | 13.46 | 13.54 | 13.84 | 14.03 | _ | 491.29 | 502.33 | 510.70 | 517.71 | _ |
| Auto repair, services, and parking | 75 | 11.09 | 11.12 | 11.41 | 11.48 | _ | 404.79 | 406.99 | 409.62 | 413.28 | _ |
| Automotive rentals, without drivers | 751 | 10.53 | 10.59 | 10.83 | 10.99 | _ | 395.93 | 397.13 | 396.38 | 398.94 | _ |
| Passenger car rental | 7514 | 9.57 | 9.62 | 9.98 | 10.18 | _ | 361.75 | 361.71 | 363.27 | 367.50 | _ |
| Automobile parking | 752 | 8.27 | 8.20 | 8.51 | 8.60 | _ | 269.60 | 271.42 | 281.68 | 284.66 | _ |
| Automotive repair shops | 753 | 12.51 | 12.53 | 12.81 | 12.89 | | 479.13 | 481.15 | 486.78 | 488.53 | _ |
| Automotive and tire repair shops | 7532 4 | 13.04 | 13.17 | 13.33 | 13.40 | _ | 499.43 | 504.41 | 506.54 | 510.54 | |
| General automotive repair shops | 7532,4 | 12.48 | 12.46 | 12.75 | 12.77 | _ | 476.74 | 475.97 | 478.13 | 480.15 | _ |
| Automotive services, except repair | 7536 | 8.37 | 8.42 | 8.53 | 8.49 | _ | 272.86 | 275.33 | 261.87 | 267.44 | _ |
| | 7542 | 7.44 | 7.39 | 7.52 | 7.55 | _ | 272.86 | 223.18 | 210.56 | 217.44 | _ |
| Carwashes | | 7.44 | 7.39 | 7.52 | 7.55 | _ | 223.94 | 223.18 | 210.56 | 217.44 | _ |
| Miscellaneous repair services | 76 | 13.31 | 13.35 | 13.82 | 13.87 | - | 515.10 | 516.65 | 527.92 | 528.45 | _ |
| Motion pictures | 78 | 14.07 | 14.47 | 15.60 | 15.03 | _ | 434.76 | 448.57 | 464.88 | 461.42 | _ |
| Motion picture production and services | 781 | 19.83 | 20.09 | 22.03 | 21.21 | _ | 771.39 | 797.57 | 843.75 | 827.19 | _ |
| Video tape rental | 784 | 7.25 | 7.21 | 7.21 | 7.48 | _ | 180.53 | 175.92 | 169.44 | 182.51 | _ |
| Amusement and recreation services | 79 | 9.05 | 9.12 | 9.33 | 9.14 | | 256.12 | 259.01 | 252.84 | 259.58 | _ |
| Bowling centers | 793 | 7.83 | 7.80 | 7.84 | 7.85 | _ | 194.18 | 199.68 | 196.00 | 200.96 | _ |
| Misc. amusement and recreation services | 799 | 8.34 | 8.37 | 8.72 | 8.54 | _ | 241.86 | 241.06 | 237.18 | 245.95 | . – |
| Physical fitness facilities | 7991 | 8.57 | 8.57 | 9.22 | 9.27 | _ | 170.54 | 173.11 | 171.49 | 177.06 | _ |
| Membership sports and recreation clubs | | 8.94 | 8.96 | 9.26 | 9.11 | - | 264.62 | 261.63 | 264.84 | 269.66 | - |
| Health services | 80 | 13.69 | 13.75 | 14.13 | 14.20 | _ | 453.14 | 456.50 | 463.46 | 467.18 | _ |
| Offices and clinics of medical doctors | | 14.22 | 14.31 | 14.73 | 14.80 | _ | 463.57 | 472.23 | 481.67 | 483.96 | _ |
| Offices and clinics of dentists | | 14.07 | 14.20 | 14.70 | 14.72 | _ | 398.18 | 403.28 | 407.19 | 406.27 | _ |
| Offices and clinics of other health practitioners | | 13.17 | 13.16 | 12.93 | 12.98 | _ | 395.10 | 400.06 | 389.19 | 389.40 | _ |
| | | 9.78 | 9.77 | | 10.20 | - | 395.10 | | 328.90 | 335.58 | _ |
| Nursing and personal care facilities | 0050 | _ | | 10.12 | | | | 321.43 | | | _ |
| Intermediate care facilities | | 9.34 | 9.31 | 9.66 | 9.78 | - , | 298.88 | 296.99 | 307.19 | 315.89 | _ |
| Hospitals | 806 | 15.44 | 15.50 | 15.90 | 15.97 | - 1 | 538.86 | 542.50 | 550.14 | 552.56 | - |

ESTABLISHMENT DATA HOURS AND EARNINGS NOT SEASONALLY ADJUSTED

B-15. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Avera | ge weekly | hours | | | Averag | e overtim | ne hours | |
|--|-------------|--------------|--------------|--------------|---------------------------|---------------------------|--------------|--------------|--------------|---------------------------|--------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 |
| Services—Continued | | | | | | | | | | | |
| Health services—Continued | | 1 | | | | ļ | | | | | |
| Home health care services | 808 | 29.1 | 29.2 | 29.1 | 29.2 | - | - | ~ | - | _ | - |
| Legal services | 81 | 34.8 | 35.5 | 34.7 | 34.9 | _ | - | _ | _ | _ | - |
| Social services | 83 | 31.3 | 31.7 | 31.2 | 31.3 | | _ | _ | _ | _ | _ |
| Individual and family services | 832 | 31.3 | 31.6 | 31.2 | 31.1 | _ | _ | _ | - | - | _ |
| Job training and related services | 833 | 30.5 | 30.8 | 30.7 | 30.1 | - | - | _ | _ | - | - 1 |
| Child day care services | 835 | 30.8 | 30.8 | 29.8 | 30.4 | - | _ | _ | _ | - | _ |
| Residential care | 836 | 32.3 | 32.8 | 32.5 | 32.9 | - | _ | _ | - | - | _ |
| Social services, nec | 839 | 31.4 | 32.2 | 31.7 | 31.5 | - | - | _ | - | _ | _ |
| Membership organizations: | | | | | | | | | | | |
| Professional organizations | 862 | 35.0 | 35.7 | 34.9 | 34.9 | - | - | _ | - | - | - |
| Engineering and management services | 87 | 37.2 | 37.7 | 37.0 | 37.1 | _ | | | - | _ | _ |
| Engineering and architectural services | | 39.3 | 39.6 | 39.1 | 39.4 | - | - | _ | - | - | - 1 |
| Engineering services | | 39.6 | 39.8 | 39.5 | 39.9 | _ | _ | _ | _ | - | - |
| Architectural services | | 38.2 | 38.9 | 38.0 | 37.8 | - | _ | _ | - | - | - 1 |
| Surveying services | | 38.7 | 38.8 | 37.8 | 38.0 | - | - | _ | - | - | l – |
| Accounting, auditing, and bookkeeping | | 35.7 | 36.5 | 35.8 | 36.0 | - | - | - | - | - | - |
| Research and testing services | | 36.5 | 36.9 | 36.3 | 36.6 | _ | - | _ | - | - | - |
| Commercial physical research | 8731 | 39.9 | 40.2 | 39.3 | 39.3 | - | - | _ | - | - | - |
| Commercial nonphysical research | | 30.3 | 30.5 | 31.6 | 32.2 | - | - | _ | - | - | _ |
| Noncommercial research organizations | | 36.1 | 36.6 | 35.9 | 36.2 | - | _ | - | _ | _ | - |
| Management and public relations | | 36.3 | 36.8 | 36.0 | 36.0 | - | - | _ | - | - | _ |
| Management services | | 35.9 | 36.1 | 35.4 | 35.3 | - | _ | _ | – | _ | - |
| Management consulting services | | 36.3 | 37.2 | 36.5 | 36.2 | - | _ | _ | _ | _ | - |
| Public relations services | 8743 | 35.2 | 36.0 | 34.7 | 35.6 | _ | - | - | - | _ | - |
| Services, nec | 89 | 34.3 | 35.4 | 35.1 | 34.8 | - | - | _ | _ | - | _ |

B-15. Average hours and earnings of production or nonsupervisory workers1 on private nonfarm payrolls by detailed industry—Continued

| | 1987 | | Averag | e hourly e | arnings | | | Averag | e weekly e | arnings | |
|--|-------------|--------------|--------------|--------------|---------------------------|---------------------------|--------------|--------------|--------------|---------------|---------------------------|
| Industry | SIC Code | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p | July 1998 | Aug. 1998 | June 1999 | July 1999P | Aug. 1999 ^p |
| Services—Continued | | | | | | | | | | | |
| Health services—Continued | j | | | | | | | | | | |
| | 808 | \$11.49 | \$11.51 | \$11.97 | \$12.09 | - | \$334.36 | \$336.09 | \$348.33 | \$353.03 | - |
| Legal services | 81 | 18.05 | 18.18 | 18.97 | 19.00 | _ | 628.14 | 645.39 | 658.26 | 663.10 | - |
| Social services | 83 | 9.14 | 9.22 | 9.51 | 9.53 | _ | 286.08 | 292.27 | 296.71 | 298.29 | _ |
| Individual and family services | 832 | 9.67 | 9.74 | 10.05 | 10.08 | _ | 302.67 | 307.78 | 313.56 | 313.49 | - |
| Job training and related services | 833 | 8,87 | 9.00 | 9.18 | 9.19 | _ | 270.54 | 277.20 | 281.83 | 276.62 | - |
| Child day care services | 835 | 7.69 | 7.76 | 8.14 | 8.03 | _ | 236.85 | 239.01 | 242.57 | 244.11 | _ |
| Residential care | 836 | 9.32 | 9.34 | 9.68 | 9.73 | _ | 301.04 | 306.35 | 314.60 | 320.12 | - |
| Social services, nec | 839 | 11.11 | 11.30 | 11.60 | 11.57 | - | 348.85 | 363.86 | 367.72 | 364.46 | - |
| Membership organizations: | | | | | : | | | | | | |
| | 862 | 18.25 | 18.23 | 18.56 | 18.57 | - | 638.75 | 650.81 | 647.74 | 648.09 | - |
| Engineering and management services | 87 | 17.72 | 17.95 | 18.28 | 18.42 | _ | 659.18 | 676.72 | 676.36 | 683.38 | _ |
| Engineering and architectural services | 871 | 19.28 | 19.49 | 19.76 | 20.05 | _ | 757.70 | 771.80 | 772.62 | 789.97 | _ |
| Engineering services | 8711 | 20.19 | 20.39 | 20.61 | 20.97 | _ | 799.52 | 811.52 | 814.10 | 836.70 | - |
| | 8712 | 17.25 | 17.56 | 18.00 | 18.12 | _ | 658.95 | 683.08 | 684.00 | 684.94 | _ |
| Surveying services | | 13.63 | 13.75 | 14.12 | 14.01 | - | 527.48 | 533.50 | 533.74 | 532.38 | - |
| Accounting, auditing, and bookkeeping | 872 | 15.38 | 15.71 | 15.77 | 15.79 | _ | 549.07 | 573.42 | 564.57 | 568.44 | - |
| Research and testing services | | 18.10 | 18.34 | 18.28 | 18.12 | _ | 660.65 | 676.75 | 663.56 | 663.19 | _ |
| Commercial physical research | 8731 | 19.90 | 20.17 | 20.18 | 20.18 | _ | 794.01 | 810.83 | 793.07 | 793.07 | - |
| Commercial nonphysical research | 8732 | 14.98 | 15.29 | 14.62 | 14.43 | - | 453.89 | 466.35 | 461.99 | 464.65 | _ |
| Noncommercial research organizations | 8733 | 21.39 | 21.60 | 21.88 | 21.57 | - | 772.18 | 790.56 | 785.49 | 780.83 | - |
| Management and public relations | 874 | 17.15 | 17.34 | 18.14 | 18.37 | - | 622.55 | 638.11 | 653.04 | 661.32 | _ |
| Management services | 8741 | 15.55 | 15.71 | 15.92 | 16.30 | - | 558.25 | 567.13 | 563.57 | 575.39 | - |
| Management consulting services | 8742 | 19.25 | 19.57 | 21.13 | 21.25 | - | 698.78 | 728.00 | 771.25 | 769.25 | _ |
| Public relations services | 8743 | 15.90 | 16.01 | 16.46 | 16.67 | - | 559.68 | 576.36 | 571.16 | 593.45 | - |
| Services, nec | 89 | 17.79 | 18.03 | 18.21 | 18.16 | - | 610.20 | 638.26 | 639.17 | 631.97 | _ |

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.

See table B-15a for average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing.
 Data relate to line-haul railroads with operating revenues of \$253.7 million or

more in 1993 and to Amtrak.

⁴ Money payments only; tips, not included.

⁵ Excludes nonoffice commissioned real estate sales agents.

Data not available.

p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1998 forward are subject to revision.

A Note on Average Hourly Earnings 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

| | | Aircraft (5 | SIC 3721) | | Guided r | nissiles and sp | ace vehicles (S | IC 3761) |
|--|--------------|--------------|--------------|---------------|--------------|-----------------|-----------------|---------------|
| Series | June 1998 | July 1998 | June 1999 | July 1999P | June 1998 | July 1998 | June 1999 | July 1999P |
| Average hourly earnings, excluding lump-sum payments | \$20.88 | \$20.99 | \$21.46 | \$21.80 | \$21.66 | \$2 1.55 | \$21.75 | \$21.77 |
| Average hourly earnings, including lump-sum payments | 20.95 | 21.08 | 21.47 | 21.81 | 21.86 | 21.76 | 21.85 | 21.86 |

p = preliminary.

B-16. Average hourly earnings, excluding overtime¹, of production workers on manufacturing payrolls

| Industry | July 1998 | Aug. 1998 | June 1999 | July 1999 ^p | Aug. 1999 ^p |
|---|--------------|--------------|--------------|---------------------------|---------------------------|
| Manufacturing | \$12.70 | \$12.74 | \$13.17 | \$13.21 | \$13.19 |
| Durable goods | 13.07 | 13.18 | 13.63 | 13.65 | 13.68 |
| Lumber and wood products | 10.56 | 10.57 | 10.86 | 10.92 | (2) |
| Furniture and fixtures | 10.42 | 10.44 | 10.67 | 10.73 | (2) |
| Stone, clay, and glass products | 12.64 | 12.63 | 12.94 | 13.02 | (2) |
| Primary metal industries | 14.55 | 14.43 | 14.83 | 14.95 | (2) |
| Fabricated metal products | 12.22 | 12.34 | 12.75 | 12.78 | (2) |
| Industrial machinery and equipment | 13.66 | 13.67 | 14.20 | 14.27 | (2) |
| Electronic and other electrical equipment | 12.59 | 12.52 | 12.80 | 12.89 | (2) |
| Transportation equipment | 16.05 | 16.33 | 17.06 | 17.06 | (2) |
| Instruments and related products | 13.30 | 13.29 | 13.61 | 13.74 | (2) |
| Miscellaneous manufacturing | 10.50 | 10.45 | 10.90 | 10.93 | (2) |
| Nondurable goods | 12.16 | 12.08 | 12.48 | 12.55 | \$12.47 |
| Food and kindred products | 11.08 | 11.00 | 11.43 | 11.38 | (2) |
| Tobacco products | 19.83 | 18.28 | 20.04 | 20.18 | (2) |
| Textile mill products | 9.82 | 9.84 | 10.21 | 10.17 | (2) |
| Apparel and other textile products | 8.27 | 8.31 | 8.61 | 8.59 | (2) |
| Paper and allied products | 14.69 | 14.59 | 15.02 | 15.09 | (2) |
| Printing and publishing | 12.91 | 12.90 | 13.24 | 13.29 | (2) |
| Chemicals and allied products | 16.24 | 16.18 | 16.39 | 16.52 | (2) |
| Petroleum and coal products | 19.28 | 19.23 | 19.57 | 19.82 | (2) |
| Rubber and misc. plastics products | 11.33 | 11.25 | 11.61 | 11.76 | (2) |
| Leather and leather products | 8.92 | 9.01 | 9.34 | 9.31 | (2) |

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

Not available.

p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1998 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1998 forward are subject to revision.

ESTABLISHMENT DATA EARNINGS NOT SEASONALLY ADJUSTED

B-17. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, in current and constant (1982) dollars

| | | Averag | e hourly e | arnings | | | Averag | e weekly e | earnings | , |
|--|---------|---------|------------|---------|-------------------|----------|----------|------------|-------------------|-------------------|
| Industry | July | Aug. | June | July | Aug. | July | Aug. | June | July | Aug. |
| | 1998 | 1998 | 1999 | 1999P | 1999 ^p | 1998 | 1998 | 1999 | 1999 ^p | 1999 ^p |
| Total private: Current dollars Constant (1982) dollars | \$12.68 | \$12.76 | \$13.14 | \$13.16 | \$13.21 | \$441.26 | \$449.15 | \$454.64 | \$456.65 | \$463.67 |
| | 7.69 | 7.73 | 7.82 | 7.81 | (2) | 267.59 | 272.05 | 270.62 | 271.01 | (2) |
| Mining: Current dollars Constant (1982) dollars | 16.76 | 16.88 | 16.93 | 17.14 | \$17.08 | 735.76 | 742.72 | 748.31 | 764.44 | \$760.06 |
| | 10.16 | 10.22 | 10.08 | 10.17 | (2) | 446.19 | 449.86 | 445.42 | 453.67 | (2) |
| Construction: Current dollars Constant (1982) dollars | 16.66 | 16.77 | 17.08 | 17.23 | \$17.27 | 669.73 | 674.15 | 679.78 | 687.48 | \$690.80 |
| | 10.10 | 10.16 | 10.17 | 10.23 | (2) | 406.14 | 408.33 | 404.63 | 408.00 | (2) |
| Manufacturing: Current dollars Constant (1982) dollars | 13.38 | 13.45 | 13.91 | 13.92 | \$13.93 | 549.92 | 560.87 | 581.44 | 573.50 | \$580.88 |
| | 8.11 | 8.15 | 8.28 | 8.26 | (2) | 333.49 | 339.72 | 346.10 | 340.36 | (2) |
| Transportation and public utilities: Current dollars Constant (1982) dollars | 15.27 | 15.30 | 15.56 | 15.73 | \$15.66 | 606.22 | 610.47 | 606.84 | 613.47 | \$621.70 |
| | 9.26 | 9.27 | 9.26 | 9.34 | (2) | 367.63 | 369.76 | 361.21 | 364.08 | (2) |
| Wholesale trade: Current dollars Constant (1982) dollars | 14.04 | 14.18 | 14.44 | 14.54 | \$14.64 | 537.73 | 548.77 | 554.50 | 558.34 | \$568.03 |
| | 8.51 | 8.59 | 8.60 | 8.63 | (2) | 326.09 | 332.39 | 330.06 | 331.36 | (2) |
| Retail trade: Current dollars Constant (1982) dollars | 8.69 | 8.72 | 9.02 | 9.02 | \$9.03 | 258.96 | 260.73 | 265.19 | 268.80 | \$270.90 |
| | 5.27 | 5.28 | 5.37 | 5.35 | (2) | 157.04 | 157.92 | 157.85 | 159.53 | (2) |
| Finance, insurance, and real estate: Current dollars | 13.94 | 14.12 | 14.50 | 14.53 | \$14.66 | 503.23 | 521.03 | 520.55 | 524.53 | \$539.49 |
| | 8.45 | 8.55 | 8.63 | 8.62 | (2) | 305.17 | 315.58 | 309.85 | 311.29 | (2) |
| Services: Current dollars Constant (1982) dollars | 12.68 | 12.75 | 13.23 | 13.20 | \$13.28 | 417.17 | 423.30 | 431.30 | 432.96 | \$440.90 |
| | 7.69 | 7.72 | 7.88 | 7.83 | (2) | 252.98 | 256.39 | 256.73 | 256.95 | (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. $^{\rm p}$ = 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 1998 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1998 forward are subject to revision.

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

| | Aver | age weekly h | ours | Avera | age hourly ear | nings | Avera | ge weekly ea | rnings |
|--|--------------|--------------|---------------|----------------|----------------|---------------------------|------------------|------------------|--------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999 |
| Johanna | 41.9 | 42.1 | 41.5 | \$12.03 | \$12.58 | \$12.53 | \$504.06 | \$529.62 | \$520 |
| (labama | | 42.4 | 41.2 | 12.83 | 13.15 | 13.26 | 552.97 | 557.56 | 546 |
| Birmingham | | | | 13.97 | 14.51 | 14.29 | 606.30 | 654.40 | 623 |
| Mobile | 43.4 | 45.1 | 43.6 | 13.97 | 14.51 | 14.29 | 000.30 | 034.40 | 023 |
| ilaska | 51.9 | 46.0 | 51.9 | 10.57 | 12.45 | 11.73 | 548.58 | 572.70 | 608 |
| rizona | 39.9 | 40.3 | 40.7 | 12.38 | 12.63 | 12.68 | 493.96 | 508.99 | 516 |
| rkanaa | 41.7 | 42.1 | 41.5 | 11.17 | 11.41 | 11.50 | 465.79 | 480.36 | 477 |
| rkansas | | 42.4 | 41.7 | 10.87 | 11.04 | 11.12 | 445.67 | 468.10 | 463 |
| Fayetteville-Springdale-RogersFort Smith | | 40.9 | 40.6 | 11.31 | 11.33 | 11.31 | 477.28 | 463.40 | 459 |
| Little Rock-North Little Rock | | 43.0 | 42.4 | 11.63 | 12.22 | 12.15 | 491.95 | 525.46 | 515 |
| Pine Bluff | i i | 39.0 | 39.0 | 13.15 | 13.67 | 13.78 | 520.74 | 533.13 | 537 |
| | 44.7 | 41.0 | 44.7 | 10.60 | 12.00 | 12.00 | 570.87 | 583.25 | 583 |
| elifomia | | 41.9 41.7 | 41.7 42.4 | 13.69 13.87 | 13.92 13.85 | 13.99 13.90 | 570.87 578.38 | 583.25 577.55 | 589 |
| Bakersfield | | 1 | | | | | 488.83 | 498.13 | 494 |
| Fresno | | 41.1 | 41.0 | 12.16 | 12.12 | 12.06 | | | |
| Los Angeles-Long Beach | | 42.4 | 42.0 | 12.87 | 12.99 | 13.08 | 545.69 | 550.78 | 549 |
| Modesto | | 42.1 | 42.5 | 13.96 | 14.02 | 14.12 | 568.17 | 590.24 | 600 |
| Oakland | | 42.8 | 42.8 | 15.62 | 15.76 | 15.76 | 645.11 | 674.53 | 674 |
| Orange County | | 43.3 | 43.4 | 13.02 | 13.46 | 13,53 | 568.97 | 582.82 | 587 |
| Riverside-San Bernardino | | 42.7 | 43.0 | 12.13 | 12.41 | 12.38 | 519.16 | 529.91 | 532 |
| Sacramento | | 41.3 | 41.2 | 14.73 | 15.04 | 15.13 | 602.46 | 621.15 | 623 |
| Salinas | | 43.1 | 42.4 | 14.15 | 13.63 | 14.07 | 598.55 | 587.45 | 596 |
| | | 40.6 | 40.0 | 13.56 | 13.63 | 13.67 | 536.98 | 553.38 | 546 |
| San Diego | | 40.1 | 40.4 | | 14.74 | 14.83 | 609.22 | 591.07 | 599 |
| San Francisco | | | | 14.68 | | | | | |
| San Jose | | 42.5 | 42.7 | 16.81 | 17.25 | 17.30 | 704.34 | 733.13 | 738 |
| Santa Barbara-Santa Maria-Lompoc | | 41.0 | 41.3 | 13.81 | 14.35 | 14.23 | 586.93 | 588.35 | 587 |
| Santa Rosa | | 39.7 | 39.6 | 15.03 | 15.54 | 15.54 | 590.68 | 616.94 | 615 |
| Stockton-Lodi | 41.8 | 40.5 | 40.1 | 13.35 | 13.42 | 13.58 | 558.03 | 543.51 | 544 |
| /allejo-Fairfield-Napa | 42.0 | 42.1 | 41.9 | 15.45 | 15.79 | 15.89 | 648.90 | 664.76 | 665 |
| Ventura | 42.4 | 42.5 | 42.0 | 12.42 | 12.59 | 12.66 | 526.61 | 535.08 | 531 |
| olorado | 41.2 | 41.6 | 41.0 | 13.72 | 14.27 | 14.30 | 565.26 | 593.63 | 586 |
| Denver | 43.0 | 40.8 | 40.5 | 12.82 | 13.76 | 13.57 | 551.26 | 561.41 | 549 |
| nnecticut | 42.2 | 42.4 | 42.5 | 14.89 | 15.23 | 15.28 | 628.36 | 645.75 | 649 |
| Bridgeport | 40.8 | 41.5 | 40.4 | 15.48 | 15.20 | 15.62 | 631.58 | 630.80 | 631 |
| Danbury | | 42.0 | 41.5 | 14.77 | 14.82 | 14.97 | 641.02 | 622.44 | 621 |
| Hartford | 43.2 | 42.8 | 42.5 | 15.65 | 16.20 | 16.17 | 676.08 | 693.36 | 68 |
| New Haven-Meriden | | 42.8 | 41.9 | 14.61 | 14.66 | 14.84 | 609.24 | 627.45 | 62 |
| New London-Norwich | | 42.5 | 42.1 | 15.56 | 15.76 | 16.03 | 661.30 | 669.80 | 674 |
| Stamford-Norwalk | | 39.6 | 39.9 | 13.88 | 13.47 | 13.74 | 545.48 | 533.41 | 548 |
| | 1 | 44.0 | 43.2 | 14.03 | 14.31 | 14.38 | 600.48 | 629.64 | 82 |
| Waterbury | | 44.0 | 43.2 | 14.03 | 14.31 | 14.36 | 600.46 | 029.04 | 02 |
| leware | | 42.8 | 43.1 | 15.13 | 15.92 | 15.73 | 630.92 | 681.38 | 67 |
| Dover | | 41.9 | 41.9 | 13.69 | 14.29 | 14.10 | 577.72 | 598.75 | 590 |
| Wilmington-Newark | 42.9 | 43.2 | 43.7 | 18.57 | 19.28 | 19.00 | 796.65 | 832.90 | 830 |
| strict of Columbia: | 20.0 | | | 44.50 | 45.07 | 45.00 | 570.04 | 004.00 | |
| Washington PMSA | 39.3 | 39.6 | 39.1 | 14.52 | 15.27 | 15.33 | 570.64 | 604.69 | 599 |
| orida | 41.4 | 42.4 | 41.9 | 11.52 | 11.78 | 11.83 | 476.93 | 499.47 | 49 |
| orgia | 41.9 | 41.9 | 41.6 | 11.94 | 12.42 | 12.44 | 500.29 | 520.40 | 517 |
| Atlanta | | 41.1 | 41.1 | 12.54 | 13.39 | 13.40 | 531.70 | 550.33 | 550 |
| Savannah | | 47.9 | 48.2 | 15.72 | 16.09 | 16.17 | 743.56 | 770.71 | 779 |
| waii | 36.5 | 37.0 | 38.0 | 12.87 | 13.24 | 13.33 | 469.76 | 489.88 | 500 |
| Honolulu | 40.0 | 39.5 | 40.2 | 12.99 | 13.10 | 13.29 | 519.60 | 517.45 | 534 |
| aho | 38.3 | 39.7 | 39.6 | 12.72 | 13.32 | 13.46 | 487.18 | 528.80 | 533 |
| nois | 41.6 | 41.9 | 41.8 | 13.80 | 14.02 | 14.06 | 574.08 | 587.44 | 58 |
| Bloomington-Normal | | 41.8 | 40.1 | 17.91 | 18.92 | 18.51 | 732.52 | 790.86 | 74 |
| Champaign-Urbana | 41.7 | 41.2 | 41.5 | 11.10 | 12.04 | 11.93 | 462.87 | 496.05 | 495 |
| Chicago | | 42.2 | 41.7 | 13.50 | 13.77 | 13.84 | 567.00 | 581.09 | |
| | | | | | | | | | 577 |
| Davenport-Moline-Rock Island | | 41.6 | 41.7 | 15.67 | 15.45 | 15.58 | 680.08 | 642.72 | 649 |
| Decatur | | 42.6 | 42.8 | 16.84 | 16.83 | 16.82 | 712.33 | 716.96 | 719 |
| Kankakee | | 41.3 | 41.7 | 15.48 | 15.61 | 15.68 | 637.78 | 644.69 | 653 |
| Peoria-Pekin | | 40.9 | 40.3 | 16.49 | 16.56 | 16.52 | 700.83 | 677.30 | 665 |
| Rockford | 42.7 | 44.0 | 41.7 | 15.50 | 16.79 | 16.00 | 661.85 | 738.76 | 667 |
| Springfield | 40.5 | 40.9 | 40.6 | 12.42 | 12.48 | 12.62 | 503.01 | 510.43 | 512 |

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

| | Aver | age weekly h | ours | Avera | age hourly ear | nings | Avera | ge weekly ear | nings |
|-------------------------------|--------------|--------------|---------------|----------------|----------------|---------------------------|------------------|------------------|--------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999 |
| | | | | | | | | | |
| ndiana | 41.6 | 42.9 | 41.7 | \$14.80 | \$15.23 | \$15.16 | \$615.68 | \$653.37 | \$632. |
| Bloomington | | 40.6 | 39.3 | 11.83 | 12.53 | 13.10 | 480.30 | 508.72 | 514 |
| | | 40.7 | 40.6 | 12.32 | 13.04 | 12.95 | 490.34 | 530.73 | 525 |
| Elkhart-Goshen | | | | | | | | | |
| Evansville-Henderson | | 44.0 | 44.0 | 14.44 | 14.94 | 15.23 | 622.36 | 657.36 | 670. |
| Fort Wayne | 40.7 | 40.6 | 40.0 | 14.58 | 15.77 | 15.52 | 593.41 | 640.26 | 620. |
| Gary | 41.3 | 42.9 | 41.6 | 19.01 | 19.84 | 19.90 | 785.11 | 851.14 | 827. |
| Indianapolis | | 44.3 | 44.1 | 15.12 | 15.56 | 15.54 | 659.23 | 689.31 | 685. |
| | l – | 47.7 | 47.7 | 20.61 | 23.22 | 23.27 | 1,059.35 | 1,107.59 | 1,109 |
| Kokomo | | | 41.8 | | 16.15 | | | | 678. |
| Lafayette | | 42.1 | | 15.99 | | 16.23 | 709.96 | 679.92 | |
| Muncie | | 45.6 | 45.5 | 14.58 | 14.98 | 14.96 | 660.47 | 683.09 | 680 |
| South Bend | 40.9 | 41.2 | 40.8 | 12.65 | 12.43 | 12.49 | 517.39 | 512.12 | 509 |
| Terre Haute | 42.4 | 45.1 | 45.0 | 14.53 | 13.60 | 13.61 | 616.07 | 613.36 | 612 |
| wa | 41.6 | 41.8 | 40.7 | 13.84 | 14.03 | 14.20 | 575.74 | 586.45 | 577 |
| Cedar Rapids | 41.8 | 41.5 | 38.6 | 17.59 | 17.18 | 18.94 | 735.26 | 712.97 | 731 |
| Des Moines | | 37.9 | 37.3 | 14.25 | 14.70 | 15.44 | 592.80 | 557.13 | 575 |
| | | 41.8 | 41.3 | 15.34 | 14.93 | 15.18 | 628.94 | 624.07 | 626 |
| Dubuque Sioux City | | 39.6 | 38.0 | 11.90 | 12.17 | 12.40 | 472.43 | 481.93 | 471 |
| Olda Oily | | | | | | | | | |
| anses | | 41.1 | 40.7 | 13.53 | 14.27 | 14.24 | 564.20 | 586.50 | 579 |
| Topeka | | 38.8 | 39.6 | 16.45 | 16.55 | 16.73 | 689.26 | 642.14 | 662 |
| Wichita | 42.8 | 41.0 | 40.3 | 15.94 | 16.46 | 16.56 | 682.23 | 674.86 | 667 |
| entucky | 40.9 | 41.5 | 41.6 | 13.85 | 14.22 | 14.39 | 566.47 | 590.13 | 598 |
| Lexington | | 41.9 | 41.1 | 14.07 | 14.25 | 14.41 | 593.75 | 597.08 | 592 |
| Louisville | | 42.7 | 42.5 | 15.64 | 15.93 | 16.05 | 652.19 | 680.21 | 682 |
| | | İ | 1 | | | | | | |
| ouisiana | 44.3 | 43.2 | 42.8 | 14.57 | 15.14 | 15.35 | 645.45 | 654.05 | 65€ |
| Baton Rouge | | 42.8 | 43.1 | 17.56 | 17.59 | 18.01 | 756.84 | 752.85 | 776 |
| New Orleans | 1 | 44.2 | 43.2 | 14.82 | 14.71 | 14.79 | 652.08 | 650.18 | 638 |
| Shreveport-Bossier City | | 42.6 | 42.9 | 13.52 | 14.83 | 14.85 | 566.49 | 631.76 | 637 |
| | | ` | ' | 75.62 | | | 000:10 | 001.70 | 30, |
| aine | | 40.7 | 39.9 | 13.77 | 13.84 | 13.89 | 545.29 | 563.29 | 554 |
| Lewiston-Auburn | 40.7 | 41.5 | 40.6 | 12.24 | 12 50 | 12.49 | 498.17 | 518.75 | 507 |
| Portland | | 42.9 | 42.1 | 11.49 | 11.55 | 10.96 | 471.09 | 495.50 | 461 |
| la malamad | 1 44.0 | | 40.4 | 1400 | 14.70 | 44.05 | 505.74 | 040.00 | 205 |
| laryland Baltimore PMSA | | 41.7 41.6 | 42.1 41.5 | 14.32 14.97 | 14.70 15.77 | 14.85 15.72 | 595.71 619.76 | 612.99 656.03 | 625 652 |
| | 41.0 | 40.0 | 41.0 | 10.01 | 14.04 | 14.00 | E74 50 | 500.00 | F00 |
| lassachusetts Boston | | 42.0 40.9 | 41.9 40.9 | 13.81 14.95 | 14.24 15.61 | 14.30 15.68 | 574.50 609.96 | 598.08 638.45 | 599 641 |
| | | | | | | | | | |
| Springfield | | 41.4 | 40.8 | 13.55 | 13.81 | 13.83 | 550.13 | 571.73 | 564 |
| Worcester | 41.6 | 41.9 | 42.0 | 14.14 | 14.49 | 14,53 | 588.22 | 607.13 | 610 |
| lichigon | 40.7 | 44.4 | 42.6 | 15.02 | 1042 | 18,06 | 648.35 | 010.00 | 769 |
| ichigan | | 44.4 | | 15.93 | 18.43 | | | 818.29 | |
| Ann Arbor | | 45.0 | 43.9 | 17.12 | 19.88 | 19.20 | 724.18 | 894.60 | 842 |
| Detroit | 42.4 | 46.1 | 44.1 | 18.05 | 20.55 | 20.14 | 765.32 | 947.36 | 888 |
| Flint | | 43.5 | 43.6 | 19.54 | 26.02 | 23.37 | 795.28 | 1,131.87 | 1.018 |
| Grand Rapids-Muskegon-Holland | | 41.4 | 41.0 | 14.04 | 15.02 | 15.05 | 581.26 | 621.83 | 617 |
| Jackson | | 41.2 | 41.2 | 12.79 | 13.14 | 13,47 | 487.30 | 541.37 | 554 |
| | | | | | | | | | |
| Kalamazoo-Battle Creek | | 41.6 | 42.0 | 15.08 | 15.24 | 15.06 | 628.84 | 633.98 | 632 |
| Lansing East Lansing | | 43.7 | 41.9 | 15.63 | 19.73 | 18.88 | 650.21 | 862.20 | 791 |
| Saginaw-Bay City-Midland | 42.0 | 45.6 | 42.9 | 18.80 | 22.47 | 20.81 | 789.60 | 1,024.63 | 892 |
| innesota | 41.0 | 41.0 | 41.0 | 13.81 | 14.34 | 14.35 | 566.21 | 587.94 | 588 |
| Duluth-Superior | | 38.5 | 37.3 | 12.70 | 12.81 | 13.00 | 497.84 | 493.19 | 484 |
| Minneapolis-St Paul | | 41.9 | 41.8 | 14.68 | 15.41 | 15,42 | 613.62 | 645.68 | 644 |
| St. Cloud | | 42.7 | 42.8 | 13.07 | 13.11 | 13.18 | 538.48 | 559.80 | 564 |
| | | | 1 | | i . | | | | ~~ |
| ississippi | | 41.2 | 40.9 | 10.70 | 11.12 | 11.14 | 438.70 | 458.14 | 455 |
| Jackson | 40.3 | 41.2 | 42.4 | 11.83 | 13.06 | 12.81 | 476.75 | 538.07 | 543 |
| issouri | 40.7 | 41.6 | 40.4 | 13.01 | 13.85 | 13.76 | 529.51 | 576.16 | 555 |
| Kansas City | | 43.0 | 42.5 | 13.88 | 14.50 | 14.52 | 594.06 | 623.50 | 617 |
| St. Louis | | 42.7 | 40.5 | 15.19 | 15.86 | 15.90 | 627.35 | 677.22 | |
| Springfield | | 40.9 | 41.5 | 11.57 | 11.74 | 11.90 | 465.11 | 480.17 | 643 493 |
| | | ~." | | , | 11./3 | 11.30 | +50.11 | +30.17 | 33 |
| ontana | 38.5 | 39.7 | 39.8 | 13.86 | 14.10 | 14.57 | 533.61 | 559.77 | 579 |
| ebraska | 41.3 | 41.7 | 41.2 | 12.37 | 12.73 | 12.77 | 510.88 | 530,84 | 526 |
| Lincoln | | | 44.2 | | | | | | 647 |
| | | 45.9 | | 13.86 | 14.65 | 14,66 | 594.59 | 672.44 | |
| Omaha | 42.9 | 43.5 | 42.1 | 13.91 | 13.83 | 13.86 | 596.74 | 601.61 | 583 |
| ovada | 43.2 | 41.1 | 41.1 | 14.86 | 13.94 | 13.68 | 641.95 | 572.93 | 562 |
| evada Las Vegas | | | | 1 | | | | | |
| | 1 410 | 39.0 | 38.2 | 16.91 | 13,94 | 14.33 | 693.31 | 543.66 | 54 |

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

| | Ave | age weekly ho | ours | Avera | ige hourly ear | nings | Avera | ge weekly ear | nings |
|---|--------------|---------------|---------------|----------------|----------------|----------------|------------------|------------------|---------------------------|
| State and area | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999 ^p |
| | | 1 | | | | | | | |
| lew Hampshire | 40.2 | 41.2 | 39.8 | \$12.90 | \$12.84 | \$13.13 | \$518.58 | \$529.01 | \$522.57 |
| Manchester | 39.2 | 40.3 | 37.8 | 13.45 | 13.66 | 13.90 | 527.24 | 550.50 | 525.42 |
| Nashua | | 41.0 | 41.9 | 14.39 | 14.25 | 13.92 | 601.50 | 584.25 | 583.25 |
| Portsmouth-Rochester | | 40.3 | 40.0 | 12.63 | 12.75 | 12.92 | 487.52 | 513.83 | 516.80 |
| T ORSTROUGH TOOMESTER | 30.0 | 40.5 | 40.0 | 12.00 | | | | | |
| lew Jersey | 41.2 | 41.6 | 41.4 | 14.54 | 15.07 | 15.05 | 599.05 | 626.91 | 623.07 |
| ew Mexico Albuquerque | | 38.4 38.4 | 39.2 41.4 | 12.67 13.70 | 12.27 14.37 | 12.75 15.29 | 476.39 506.90 | 471.17 551.81 | 499.80 633.01 |
| Albuquerque | | 30.4 | | 13.70 | | 1 | | | |
| ew York | | 41.3 42.6 | 40.9 43.3 | 13.30 14.48 | 14.06 15.22 | 14.08 15.25 | 539.98 608.16 | 580.68 648.37 | 575.83 660.33 |
| Albany-Schenectady-Troy | | | | | | | | | |
| Binghamton | | 41.8 | 41.0 | 10.72 | 11.00 | 11.00 | 424.51 | 459.80 | 451.00 |
| Buffalo-Niagara Falls | 42.5 | 43.2 | 43.2 | 16.10 | 18.06 | 18.12 | 684.25 | 780.19 | 782.78 |
| Dutchess County | | 38.8 | 39.7 | 12.01 | 12.02 | 12.04 | 480.40 | 466.38 | 477.99 |
| | | 40.7 | 41.4 | 12.49 | 12.75 | 12.82 | 518.34 | 518.93 | 530.7 |
| | | | 40.0 | | | 13.12 | 497.44 | 526.32 | 524.80 |
| Nassau-Suffolk | | 40.3 | | 12.53 | 13.06 | | | | |
| New York PMSA | | 39.4 | 39.0 | 12.37 | 12.81 | 12.87 | 482.43 | 504.71 | 501.93 |
| New York City | 38.7 | 39.0 | 38.4 | 12.09 | 12.57 | 12.62 | 467.88 | 490.23 | 484.6 |
| Newburgh | | 42.0 | 41.5 | 11.07 | 11.66 | 11.37 | 439.48 | 489.72 | 471.8 |
| | | | 42.4 | | 15.97 | 16.05 | 620.08 | 683.52 | 680.5 |
| Rochester | | 42.8 | | 14.87 | | | | | |
| Rockland County | 41.7 | 44.0 | 43.8 | 15.89 | 15.86 | 16.08 | 662.61 | 697.84 | 704.3 |
| Syracuse | 42.4 | 41.4 | 41.4 | 14.36 | 14.92 | 14.96 | 608.86 | 617.69 | 619.3 |
| Utica-Rome | | 40.7 | 39.9 | 11.66 | 12.14 | 12.15 | 452.41 | 494.10 | 484.7 |
| | | | | | | | | | |
| Westchester County | 40.3 | 41.5 | 41.9 | 13.17 | 13.17 | 13.22 | 530.75 | 546.56 | 553.9 |
| orth Carolina | | 41.1 | 40.5 | 11.86 | 12.28 | 12.32 | 481.52 | 504.71 | 498.9 |
| Asheville |] 41.8 | 42.3 | 41.9 | 11.40 | 11.82 | 11.72 | 476.52 | 499.99 | 491.0 |
| Charlotte-Gastonia-Rock Hill | | 41.0 | 40.8 | 12.72 | 13.37 | 13.47 | 516.43 | 548.17 | 549.5 |
| | | 39.9 | 39.5 | 12.10 | 12.49 | 12.54 | 480.37 | 498.35 | 495.3 |
| GreensboroWinston-SalemHigh Point | | 42.3 | 41.7 | 12.10 | 13.35 | 13.35 | 537.47 | 564.71 | 556.7 |
| orth Dakota | 40.0 | 38.9 | 38.9 | 11.23 | 11.77 | 11.86 | 449.20 | 457.85 | 461.3 |
| Fargo-Moorhead | | 40.9 | 39.7 | 10.66 | 11.34 | 11.61 | 437.06 | 463.81 | 460.92 |
|)hio | 41.8 | 43.0 | 41.8 | 15.26 | 16.40 | 16.15 | 637.87 | 705.20 | 675.07 |
| Akron | | 42.4 | 41.7 | 13.25 | 13.48 | 13.64 | 559.15 | 571.55 | 568.79 |
| Canton-Massillon | | 41.0 | 39.8 | 14.01 | 14.46 | 14.47 | 564.60 | 592.86 | 575.9 |
| | | | | | | | | | |
| Cincinnati | | 43.5 | 43.4 | 14.89 | 15.83 | 15.85 | 620.91 | 688.61 | 687.8 |
| Cleveland-Lorain-Elyria | 42.0 | 43.9 | 43.0 | 15.18 | 16.09 | 15.82 | 637.56 | 706.35 | 680.2 |
| Columbus | 41.0 | 41.7 | 41.9 | 14.49 | 15.17 | 15.01 | 594.09 | 632.59 | 628.9 |
| Dayton-Springfield | | 42.8 | 40.7 | 15.88 | 17.33 | 16.98 | 665.37 | 741.72 | 691.0 |
| | | | | | | | | | |
| Hamilton-Middletown | | 46.9 | 45.2 | 17.57 | 17.77 | 17.88 | 817.01 | 833.41 | 808.1 |
| Lima | 42.4 | 42.2 | 42.7 | 16.01 | 16.75 | 16.95 | 678.82 | 706.85 | 723.7 |
| Mansfield | 41.9 | 43.8 | 41.8 | 15.92 | 16.97 | 16.14 | 667.05 | 743.29 | 674.6 |
| Steubenville-Weirton | | 40.6 | 40.2 | 17.49 | 18.59 | 18.75 | 689.11 | 754,75 | 753.7 |
| | 4 | | | | | | | | |
| Toledo | | 44.4 | 42.2 | 16.51 | 18.19 | 17.68 | 698.37 | 807.64 | 746.1 |
| Youngstown-Warren | 41.8 | 41.5 | 40.1 | 15.50 | 18.34 | 17.95 | 647.90 | 761.11 | 719.8 |
| klahoma | 41.0 | 41.3 | 40.8 | 12.53 | 12.77 | 12.78 | 513.73 | 527.40 | 521.4 |
| Oklahoma City | | 40.6 | 41.7 | 12.91 | 14.46 | 14.55 | 546.09 | 587.08 | 606.7 |
| Tulsa | | 42.1 | 41.8 | 13.22 | 13.28 | 13.45 | 553.92 | 559.09 | 562.2 |
| | | ٠., | 20.7 | | 44.50 | 44.50 | | 507.04 | |
| Pregon | | 40.4 41.6 | 39.7 33.8 | 13.94 13.38 | 14.53 14.29 | 14.52 14.80 | 564.57 524.50 | 587.01 594.46 | 576.4 500.2 |
| Eugene-Springfield | | | | | | | | | |
| Medford-Ashland | 40.0 | 39.3 | 39.3 | 13.21 | 13.77 | 13.74 | 528.40 | 541.16 | 539.9 |
| Portland-Vancouver | 40.1 | 40.3 | 40.0 | 14.53 | 15.05 | 15.09 | 582.65 | 606.52 | 603.6 |
| Salem | 39.3 | 40.2 | 39.2 | 11.66 | 12.94 | 12.33 | 458.24 | 520.19 | 483.3 |
| tennevlvenia | 41.6 | 42.1 | 41.5 | 14.05 | 14.27 | 14,33 | 584.48 | 600.77 | EOA 7 |
| Pennsylvania Allentown-Bethlem-Easton | | 41.6 | 41.5 | 14.05 | 14.27 | 14.33 | 611.29 | 603.62 | 594.7 608.8 |
| | | 40.3 | 39.7 | | | | 479.53 | | 494.2 |
| Altoona | | 1 | | 12.14 | 12.32 | 12.45 | | 496.50 | |
| Erie | 43.6 | 44.8 | 43.3 | 14.46 | 14.48 | 14.72 | 630.46 | 648.70 | 637.3 |
| Harrisburg-Lebanon-Carlisle | 40.1 | 40.0 | 40.3 | 13.73 | 14.26 | 14.53 | 550.57 | 570.40 | 585.5 |
| Johnstown | | 39.6 | 38.6 | 10.35 | 10.68 | 10.59 | 410.90 | 422.93 | 408.7 |
| | | | 40.1 | | | | 519.54 | | |
| Lancaster | | 40.9 | | 12.86 | 13.29 | 13.20 | | 543.56 | 529.3 |
| Philadelphia PMSA | 412 | 41.1 | 40.8 | 15.26 | 15.39 | 15.54 | 628.71 | 632.53 | 634.0 |
| Pittsburgh | | 42.7 | 42.7 | 14.97 | 15.39 | 15.34 | 631.73 | 657.15 | 655.0 |
| | | 42.3 | 42.3 | 14.84 | 15.26 | 15.08 | 633.67 | 645.50 | 637.8 |
| Reading | | | | | | ł . | | | |
| Reading | | 41.3 | 40.3 | 12.71 | 13.10 | 13.10 | 512.21 | 541.03 | 527.9 |
| Reading ScrantonWilkes-BarreHazleton | 40.3 | 71.0 | | | | | | | |
| ScrantonWilkes-BarreHazleton | | | | | 14 12 | 13.95 | 567.05 | | 563.5 |
| ScrantonWilkes-BarreHazleton Sharon | 41.3 | 41.2 | 40.4 | 13.73 | 14.12 | 13.95 | 567.05 | 581.74 | |
| ScrantonWilkes-BarreHazleton Sharon State College | 41.3 41.0 | 41.2 41.8 | 40.4 42.6 | 13.73 12.09 | 12.54 | 12.72 | 495.69 | 581.74 524.17 | 541.8 |
| ScrantonWilkes-BarreHazleton Sharon | 41.3 41.0 | 41.2 | 40.4 | 13.73 | | | | 581.74 | 563,56 541,8 464,00 |

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

| | Aver | age weekly h | ours | Avera | age hourly ear | nings | Avera | ge weekly ea | nings |
|--|--------------|--------------|---------------------------|------------------------|------------------|------------------|--------------------|--------------------|------------------|
| State and area | July 1998 | June 1999 | July 1999 ^p | July 1998 | June 1999 | July 1999P | July 1998 | June 1999 | July 1999P |
| | | | | | | | | | |
| Rhode Island Providence-Fall River-Warwick | 40.5 41.0 | 40.0 40.9 | 39.9 40.7 | \$11.57 11.88 | \$11.93 12.21 | \$11.97 12.24 | \$468.59 487.08 | \$477.20 499.39 | \$477.6 498.1 |
| South Carolina | 42.5 | 42.6 | 42.6 | 10.55 | 10.78 | 10.81 | 448.38 | 459.23 | 460.5 |
| South Dakota | 42.7 | 43.7 | 43.4 | 10.22 | 10.49 | 10.61 | 436.39 | 458.41 | 460.4 |
| Rapid City Sioux Falls | 40.9 44.1 | 39.9 45.7 | 41.9 44.5 | 10. 44 10.68 | 10.83 11.01 | 11.25 11.05 | 427.00 470.99 | 432.12 503.16 | 471.30 491.73 |
| Tennessee | 39.8 | 40.9 | 40.0 | 12.12 | 12.44 | 12.51 | 482.38 | 508.80 | 500.4 |
| Chattanooga | 41.2 | 41.8 | 41.6 | 11.25 | 11.58 | 11.83 | 463.50 | 484.04 | 492.1 |
| Johnson City-Kingsport-Bristol | 37.7 | 40.0 | 39.7 | 13.07 | 12.87 | 12.50 | 492.74 | 514.80 | 496.2 |
| Knoxville | 40.3 | 41.1 | 39.4 | 12.21 | 12.30 | 12.43 | 492.06 | 505.53 | 489.7 |
| Memphis | 41.5 | 39.5 | 40.2 | 13.68 | 13.31 | 13.44 | 567.72 | 525.75 | 540.2 |
| Nashville | 40.3 | 40.1 | 39.5 | 12.85 | 13.31 | 13.18 | 517.86 | 533.73 | 520.6 |
| [exas | 43.6 | 43.5 | 43.3 | 12.13 | 12.22 | 12.23 | 528.87 | 531.57 | 529.5 |
| Dallas | 43.2 | 42.7 | 42.2 | 12.50 | 12.48 | 12.42 | 540.00 | 532.90 | 524.1 |
| Ft. Worth-Arlington | 43.1 | 43.5 | 43.6 | 12.88 | 13.37 | 13.36 | 555.13 | 581.60 | 582.5 |
| Houston | 45.5 | 44.7 | 44.6 | 14.31 | 13.98 | 14.20 | 651.11 | 624.91 | 633.3 |
| San Antonio | 42.6 | 42.5 | 42.1 | 9.85 | 9.97 | 10.02 | 419.61 | 423.73 | 421.8 |
| Jiah | 40.8 | 40.5 | 40.5 | 13.05 | 13.57 | 13.58 | 532.44 | 549.59 | 549.9 |
| Salt Lake City-Ogden | 40.5 | 40.5 | 40.7 | 12.91 | 13.16 | 13.27 | 522.86 | 532.98 | 540.0 |
| /ermont | 39.3 | 39.2 | 38.0 | 12.93 | 13.45 | 13.52 | 508.15 | 527.24 | 513.7 |
| Burlington | 45.5 | 41.6 | 41.2 | 13.51 | 14.52 | 14.24 | 614.71 | 604.03 | 586.€ |
| /irginia | 414 | 42.8 | 42 1 | 12.91 | 13.32 | 13.22 | 534.47 | 570.10 | 556.5 |
| Bristol | 38.0 | 50.9 | 48.6 | 10.60 | 12.47 | 12.32 | 402.80 | 634.72 | 598.7 |
| Charlottesville | 43.0 | 41.9 | 38.8 | 10.50 | 10.63 | 10.75 | 451.50 | 445.40 | 417.1 |
| Danville | 40.1 | 43.2 | 43.0 | 13.24 | 13.86 | 13.77 | 530.92 | 598.75 | 592.1 |
| Lynchburg | 40.8 | 46.1 | 45.1 | 12.58 | 12.99 | 13.02 | 513.26 | 598.84 | 587.2 |
| Norfolk-Virginia Beach-Newport News | 42.7 | 44.3 | 43.1 | 14.90 | 14.51 | 14.15 | 636.23 | 642.79 | 609.8 |
| Northern Virginia | 40.5 | 41.7 | 40.6 | 13.33 | 13.94 | 13.93 | 539,87 | 581.30 | 565.5 |
| Richmond-Petersburg | 41.7 | 43.8 | 45.9 | 16.45 | 16.91 | 16.40 | 685.97 | 740.66 | 752.7 |
| Roanoke | 39.6 | 40.6 | 37.7 | 13.62 | 14.24 | 13.91 | 539.35 | 578.14 | 524.4 |
| Washington | 40.6 | 40.9 | 40.3 | 15.83 | 15.96 | 16.23 | 642.70 | 652.76 | 654.0 |
| Vest Virginia | 40.6 | 41.1 | 41.3 | 13.58 | 13.96 | 14.17 | 551.35 | 573.76 | 585.2 |
| Charleston | 45.1 | 47.3 | 46.7 | 15.48 | 16.17 | 16.32 | 698.15 | 764.84 | 762.1 |
| Huntington-Ashland | 43.2 | 38.7 | 39.1 | 15.71 | 15.27 | 15.57 | 678.67 | 590.95 | 608.7 |
| Parkersburg-Marietta Wheeling | 43.1 37.9 | 41.3 40.2 | 42.4 38.1 | 16.86 17.13 | 17.43 16.91 | 17.29 17.34 | 726.67 649.23 | 719.86 679.78 | 733.1 660.6 |
| | | | | | | | | | |
| Wisconsin | 40.7 | 41.8 | 41.5 | 13.73 | 14.54 | 14.43 | 558.81 | 607.77 | 598.8 |
| Appleton-Oshkosh-Neenah | 43.1 41.6 | 43.6 | 43.2 | 15.53 | 15.93 | 15.97 | 669.34 | 694.55 | 689.9 |
| Eau Claire | | 40.9 | 40.5 | 12.71 | 12.66 | 12.89 | 528.74 | 517.79 | 522.0 |
| Green Bay | 40.4 | 42.3 | 42.8 | 15.72 | 15.24 | 15.14 | 635.09 | 644.65 | 647. |
| Janesville-Beloit | 44.8 | 42.8 | 41.9 | 15.37 | 18.73 | 17.61 | 688.58 | 801.64 | 737.8 |
| Kenosha | 38.0 41.3 | 40.1 41.5 | 39.0 39.5 | 13.42 | 16.45 | 14.90 | 509.96 | 659.65 | 581. |
| La Crosse | 38.9 | 41.5 39.4 | 39.5 | 12.49 | 12.82 | 12.63 | 515.84 | 532.03 | 498. |
| Madison | 400 | 39.4 40.9 | 41.6 | 13,14 | 13.56 15.62 | 13.49 15.56 | 511.15 592.40 | 534.26 638.86 | 507.2 647.3 |
| Milwaukee-Waukesha | 36.8 | 43.3 | 43.9 | 14.81 13.93 | 15.62 | 15.56 15.06 | | | |
| Racine Shehougan | 36.8 41.2 | 43.3 | 42.2 | 14.01 | 15.15 | 15.06 | 512.62 577.21 | 656.00 637.87 | 661.1 613.5 |
| Sheboygan Wausau | 43.4 | 43.6 42.9 | 43.4 | 13.59 | 14.63 | 14.35 | 577.21 589.81 | 607.04 | 622. |
| Wyoming | 40.6 | 38.9 | 39.5 | 14.63 | 14.99 | 14.74 | 593.9 8 | 583.11 | 582.2 |
| Puerto Rico | 39.6 | 40.8 | 41.0 | 8.36 | 8.93 | 8.88 | 331.06 | 364.34 | 364.0 |
| /irgin Islands | 39.1 | (1) | (1) | 18.26 | (1) | (1) | 713.97 | (¹) | (1) |

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 1998 benchmarks.

C-1. Labor force status by census region and division, seasonally adjusted1

(Numbers in thousands)

| O | | | 19 | 98 | | | | | | 1999 | | | |
|----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|
| Census region and division | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp |
| NORTHEAST | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| Civilian labor force | | | 26,081.6 | | | 26,147.6 | | | 26,241.0 | | 26,292.8 | 26,291.6 | 26,321 |
| Employed | | 24,851.8 | 24,883.0 | 24,910.0 | 24,944.2 | | 25,043.3 | 25,118.7 | 25,123.9 | 25,153.8 | 25,175.4 | 25,125.3 | 25,175 |
| Unemployed | 1,186.1 | 1,183.2 | 1,198.6 | 1,182.3 | 1,171.0 | 1,159.2 | 1,135.0 | 1,127.1 | 1,117.1 | 1,101.3 | 1,117.4 | 1,166.3 | 1,146 |
| Unemployment rate | 4.6 | 4.5 | 4.6 | 4.5 | 4.5 | 4.4 | 4.3 | 4.3 | 4.3 | 4.2 | 4.2 | 4.4 | 4 |
| New England | | | | | | | | | | | | | |
| Civilian labor force | 7,104.3 | 7,107.4 | 7,125.5 | 7,135.9 | 7,140.1 | 7,149.3 | 7,159.3 | 7,162.0 | 7,162.9 | 7,185.1 | 7,191.5 | 7,178.8 | 7,184 |
| Employed | 6,866.4 | 6,865.9 | 6,876.3 | 6,891.8 | 6,905.1 | 6,919.5 | 6,930.2 | 6,942.3 | 6,948.5 | 6,967.9 | 6,954.9 | 6,944.6 | 6.959 |
| Unemployed | 237.9 | 241.5 | 249.3 | 244.0 | 235.0 | 229.7 | 229.1 | 219.8 | 214.3 | 217.2 | 236.5 | 234.2 | 225 |
| Unemployment rate | 3.3 | 3.4 | 3.5 | 3.4 | 3.3 | 3.2 | 3.2 | 3.1 | 3.0 | 3.0 | 3.3 | 3.3 | 3 |
| Middle Atlantic | | | | | | | | | | | | | |
| Civilian labor force | 18,920.1 | 18,927.6 | 18,956.0 | 18,956.4 | 18,975.1 | 18,998.4 | 19,019.0 | 19,083.8 | 19,078.1 | 19,070.0 | 19.101.3 | 19,112.7 | 19,136 |
| Employed | | 17,985.8 | 18,006.7 | 18,018.2 | | 18,068.9 | 18,113.1 | 18,176.4 | 18,175.4 | 18,185.9 | 18,220.5 | 18,180.7 | 18,215 |
| Unemployed | 948.2 | 941.8 | 949.3 | 938.3 | 935.9 | 929.4 | 905.9 | 907.4 | 902.7 | 884.1 | 880.8 | 932.1 | 921 |
| Unemployment rate | 5.0 | 5.0 | 5.0 | 4.9 | 4.9 | 4.9 | 4.8 | 4.8 | 4.7 | 4.6 | 4.6 | 4.9 | |
| SOUTH | | | | | | | | | ! | | | | |
| Civilian labor force | 47,867.6 | 47,944.9 | 48,056.0 | 48,192.6 | 48,312.9 | 48,458.9 | 48,631.6 | 48,639.5 | 48,606.0 | 48.714.8 | 48,775.0 | 48.723.9 | 48.744 |
| Employed | | 45.835.6 | 45,956.7 | 46,114,1 | 46,247.0 | 46,409.3 | 46,608.6 | 46,609.5 | 46,582.0 | 46,685.5 | 46,737.5 | 46,801.4 | 46.852 |
| Unemployed | 2.115.9 | 2,109.2 | 2,099.3 | 2,078.6 | 2,065.9 | 2,049.6 | 2,023.0 | 2,030.0 | 2,024.1 | 2.029.3 | 2.037.5 | 1.922.5 | 1.891 |
| Unemployment rate | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | 3.9 | 3 |
| South Atlantic | | | | | | | | | | | | | |
| Civilian labor force | 24,698.6 | 24,745.3 | 24 813 9 | 24,902.2 | 24 979 1 | 25,072.6 | 25 170 3 | 25 178 7 | 25,144.2 | 25,236.3 | 25,267.9 | 25,228.9 | 25,243 |
| Employed | 23,699.7 | 23,750.9 | 23,830.3 | 23,919.4 | 24,006.0 | | | 24,215.0 | 24,180.7 | 24,273.5 | 24,303.5 | 24,326.2 | 24.347 |
| Unemployed | 998.9 | 994.4 | 983.6 | 982.7 | 973.1 | 961.1 | 946.5 | 963.7 | 963.5 | 962.8 | 964.5 | 902.7 | 895 |
| Unemployment rate | 4.0 | 4.0 | 4.0 | 3.9 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.6 | 3 |
| East South Central | | | | | | | | | | | | | |
| Civilian labor force | 8,108.2 | 8,114.5 | 8,128.1 | 8,147.8 | 8,160.1 | 8,181.9 | 8,207.9 | 8,195.7 | 8,220.5 | 8.210.1 | 8.212.6 | 8.197.3 | 8,222 |
| Employed | 7.756.9 | 7.757.9 | 7,769.7 | 7.793.3 | 7.809.1 | 7.831.2 | 7.853.8 | 7.850.5 | 7.853.3 | 7,852.2 | 7.856.2 | 7.867.8 | 7.899 |
| Unemployed | 351.3 | 356.7 | 358.3 | 354.5 | 351.0 | 350.7 | 354.1 | 345.2 | 367.2 | 357.9 | 356.5 | 329.5 | 322 |
| Unemployment rate | 4.3 | 4.4 | 4.4 | 4.4 | 4.3 | 4.3 | 4.3 | 4.2 | 4.5 | 4.4 | 4.3 | 4.0 | 3 |
| West South Central | | | | | | | | | | | | | |
| Civilian labor force | 15,060.8 | 15,085.0 | 15.114.0 | 15,142.7 | 15,173.7 | 15,204.5 | 15,253.4 | 15,265.0 | 15,241.3 | 15,268.4 | 15,294.4 | 15,297.7 | 15,278 |
| Employed | 14,295.1 | 14,326.8 | 14,356.6 | 14,401.4 | 14,431.9 | 14,466.6 | 14,531.1 | 14,543.9 | 14,548.0 | 14,559.7 | 14,577.9 | 14,607.4 | 14,604 |
| Unemployed | 765.8 | 758.2 | 757.4 | 741.3 | 741.8 | 737.8 | 722.4 | 721.1 | 693.3 | 708.6 | 716.6 | 690.3 | 674 |
| Unemployment rate | 5.1 | 5.0 | 5.0 | 4.9 | 4.9 | 4.9 | 4.7 | 47 | 4.5 | 4.6 | 4.7 | 4.5 | 4 |

LABOR FORCE DATA **REGIONS AND DIVISIONS SEASONALLY ADJUSTED**

C-1. Labor force status by census region and division, seasonally adjusted1 -- Continued

(Numbers in thousands)

| O | | | 19 | 98 | <i>-</i> | | | | | 1999 | | | |
|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Census region and division | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp |
| MIDWEST | | | | | | | | | | | | | |
| Civilian labor force | | 33,149.1 31,909.8 1,239.3 3.7 | 33,250.3 32,005.1 1,245.3 3.7 | 33,358.5 32,131.7 1,226.7 3.7 | 33,442.1 32,229.2 1,212.8 3.6 | 33,524.7 32,342.5 1,182.2 3.5 | 33,585.8 32,426.9 1,159.0 3.5 | 33,609.3 32,443.4 1,165.9 3.5 | 33,576.6 32,456.6 1,119.9 3.3 | 33,610.4 32,457.5 1,152.9 3.4 | 33,598.8 32,392.3 1,206.5 3.6 | | 33,741.1 32,531.9 1,209.2 3.6 |
| East North Central | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | | 22,965.2 22,053.3 911.8 4.0 | 23,035.6 22,117.7 917.9 4.0 | | 23,154.2 22,253.3 900.9 3.9 | 23,210.4 22,323.7 886.7 3.8 | 23,267.8 22,385.9 881.9 3.8 | 23,294.3 22,401.4 892.9 3.8 | 23,276.9 22,433.3 843.6 3.6 | 23,301.5 22,432.0 869.5 3.7 | 23,280.8 22,378.3 902.5 3.9 | | 23,363.6 22,470.8 892.8 3.8 |
| West North Central | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployed Unemployment rate | | 10,184.0 9,856.5 327.5 3.2 | 10,214.8 9,887.4 327.4 3.2 | 10,250.7 9,934.8 315.9 3.1 | 10,287.9 9,976.0 311.9 3.0 | 10,314.3 10,018.8 295.5 2.9 | | 10,315.0 10,042.0 273.0 2.6 | 10,299.7 10,023.3 276.4 2.7 | 10,308.9 10,025.5 283.4 2.7 | 10,318.0 10,014.0 304.0 2.9 | 10,340.9 10,029.4 311.4 3.0 | 10,377.5 10,061.1 316.4 3.0 |
| WEST | | | | | | | | | | | | | |
| Civilian labor forceEmployedUnemployedUnemployment rate | 30,819.4 29,163.7 1,655.7 5.4 | 30,831.4 29,173.7 1,657.7 5.4 | 30,921.5 29,250.9 1,670.5 5.4 | 30,971.5 29,326.2 1,645.3 5.3 | 31,038.5 29,402.6 1,635.9 5.3 | 31,055.4 29,423.7 1,631.7 5.3 | 31,134.3 29,537.4 1,596.8 5.1 | 31,155.3 29,575.6 1,579.8 5.1 | 31,250.0 29,634.9 1,615.1 5.2 | 31,272.7 29,676.5 1,596.2 5.1 | 31,268.2 29,727.5 1,540.7 4.9 | 31,316.3 29,752.5 1,563.7 5.0 | 31,364.4 29,837.7 1,526.7 4.9 |
| Mountain | | | | | | | | | | | | | |
| Civilian labor force | 8,728.8 8,338.4 390.4 4.5 | 8,746.3 8,359.7 386.6 4.4 | 8,780.2 8,396.7 383.4 4.4 | 8,810.5 8,433.4 377.0 4.3 | 8,837.7 8,468.0 369.7 4.2 | 8,862.0 8,502.0 360.0 4.1 | 8,903.9 8,553.9 350.0 3.9 | 8,911.9 8,568.8 343.2 3.9 | 8,931.0 8,576.9 354.1 4.0 | 8,963.0 8,596.2 366.9 4.1 | 8,972.3 8,595.2 377.0 4.2 | 8,960.6 8,587.0 373.6 4.2 | 8,976.7 8,615.0 361.8 4.0 |
| Pacific | | | | | | | İ | | | | | | |
| Civilian labor force | 22,090.5 20,825.2 1,265.3 5.7 | 22,085.1 20,814.0 1,271.1 5.8 | 22,141.3 20,854.2 1,287.1 5.8 | 22,161.0 20,892.7 1,268.3 5.7 | 22,200.8 20,934.6 1,266.2 5.7 | 22,193.4 20,921.7 1,271.7 5.7 | 22,230.4 20,983.5 1,246.8 5.6 | 22,243.4 21,006.8 1,236.6 5.6 | 22,319.0 21,058.0 1,261.0 5.6 | 22,309.7 21,080.4 1,229.3 5.5 | 22,295.9 21,132.2 1,163.7 5.2 | | 22,387.7 21,222.8 1,164.9 5.2 |

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.

P = preliminary.
 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,

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

(Numbers in thousands)

| | | | 19 | 98 | | | | | | 1999 | | | |
|---|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp |
| Alabama | | | | j | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 2,152.0 2,064.8 87.3 4.1 | 2,150.3 2,061.8 88.5 4.1 | 2,150.4 2,061.4 89.0 4.1 | 2,152.1 2,063.3 88.7 4.1 | 2,154.2 2,065.9 88.3 4.1 | 2,158.7 2,071.5 87.3 4.0 | 2,162.3 2,077.0 85.3 3.9 | 2,161.7 2,076.4 85.3 3.9 | 2,176.1 2,079.8 96.3 4.4 | 2,173.3 2,073.2 100.1 4.6 | 2,174.0 2,071.9 102.1 4.7 | 2,164.4 2,067.8 96.6 4.5 | 2,169.8 2,082.4 87.4 4.0 |
| Alaska | | | | | | | | | | | | | |
| Civilian labor force | 317.3 299.4 18.0 5.7 | 317.2 299.5 17.7 5.6 | 317.1 299.2 17.8 5.6 | 317.3 299.6 17.7 5.6 | 316.4 298.9 17.5 5.5 | 315.7 298.0 17.7 5.6 | 316.6 297.9 18.7 5.9 | 318.6 298.2 20.5 6.4 | 318.1 298.0 20.1 6.3 | 315.8 297.3 18.5 5.9 | 317.7 296.8 20.9 6.6 | 317.5 297.7 19.7 6.2 | 316.7 297.6 19.1 6.0 |
| Arizona | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 2,276.2 2,182.0 94.3 4.1 | 2,288.5 2,193.5 95.0 4.2 | 2,303.1 2,208.8 94.3 4.1 | 2,311.2 2,218.9 92.3 4.0 | 2,326.1 2,233.3 92.8 4.0 | 2,341.6 2,249.5 92.2 3.9 | 2,362.1 2,269.3 92.9 3.9 | 2,378.2 2,283.9 94.3 4.0 | 2,383.3 2,283.5 99.8 4.2 | 2,401.0 2,295.9 105.1 4.4 | 2,397.2 2,285.9 111.3 4.6 | 2,397.0 2,293.6 103.5 4.3 | 2,400.8 2,298.8 102.0 4.2 |
| Arkansas | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 1,207.7 1,143.0 64.7 5.4 | 1,215.4 1,148.7 66.7 5.5 | 1,224.5 1,156.3 68.2 5.6 | 1,235.4 1,166.1 69.3 5.6 | 1,246.0 1,177.6 68.4 5.5 | 1,255.0 1,189.6 65.4 5.2 | 1,255.7 1,191.2 64.5 5.1 | 1,252.7 1,193.5 59.3 4.7 | 1,248.1 1,193.3 54.8 4.4 | 1,248.6 1,194.2 54.3 4.4 | 1,251.0 1,195.8 55.2 4.4 | 1,258.5 1,198.4 60.1 4.8 | 1,257.8 1,199.7 58.0 4.6 |
| California | | | | | | | : | | | | İ | | |
| Civilian labor force Employed Unemployed Unemployment rate | 16,380.9 15,415.3 965.6 5.9 | 16,370.6 15,400.7 969.9 5.9 | 16,404.3 15,425.6 978.6 6.0 | 16,401.1 15,438.3 962.8 5.9 | 16,437.1 15,473.0 964.1 5.9 | 16,421.3 15,452.9 968.4 5.9 | 16,456.9 15,509.3 947.6 5.8 | 16,447.4 15,521.8 925.5 5.6 | 16,532.8 15,569.0 963.8 5.8 | 16,546.1 15,601.9 944.2 5.7 | 16,523.7 15,648.1 875.6 5.3 | 16,592.5 15,700.6 891.9 5.4 | 16,593.5 15,724.1 869.3 5.2 |
| Colorado | | | | | | | | | | | | | |
| Civilian labor force | 2,256.6 2,166.3 90.4 4.0 | 2,254.2 2,165.1 89.1 4.0 | 2,261.8 2,172.6 89.2 3.9 | 2,265.3 2,179.1 86.3 3.8 | 2,264.0 2,182.3 81.7 3.6 | 2,261.1 2,183.7 77.4 3.4 | 2,272.0 2,201.8 70.1 3.1 | 2,257.1 2,197.3 59.8 2.7 | 2,265.5 2,204.7 60.8 2.7 | 2,275.3 2,207.4 68.0 3.0 | 2,279.5 2,212.5 67.0 2.9 | 2,270.0 2,199.8 70.2 3.1 | 2,287.6 2,219.3 68.2 3.0 |
| Connecticut | | | | | | | | | | | | | |
| Civilian labor force | 1,706.7 1,655.2 51.5 3.0 | 1,710.0 1,655.6 54.4 3.2 | 1,715.8 1,657.2 58.6 3.4 | 1,714.2 1,658.7 55.5 3.2 | 1,718.0 1,662.3 55.7 3.2 | 1,722.0 1,666.9 55.1 3.2 | 1,729.5 1,677.4 52.2 3.0 | 1,722.8 1,669.6 53.3 3.1 | 1,718.6 1,664.4 54.2 3.2 | 1,732.6 1,674.5 58.1 3.4 | 1,731.2 1,672.6 58.6 3.4 | 1,719.2 1,660.6 58.5 3.4 | 1,706.5 1,661.8 44.7 2.6 |
| Delaware | | | | | | | | | | | | | |
| Civilian labor force | 393.6 377.4 16.2 4.1 | 392.9 378.5 14.5 3.7 | 394.4 380.4 14.0 3.6 | 396.3 382.4 13.9 3.5 | 397.5 384.2 13.3 3.4 | 398.8 386.1 12.7 3.2 | 400.4 387.9 12.5 3.1 | 397.5 385.1 12.4 3.1 | 399.2 386.6 12.6 3.2 | 398.1 384.9 13.2 3.3 | 397.8 383.5 14.3 3.6 | 396.8 382.1 14.7 3.7 | 398.3 385.0 13.2 3.3 |
| District of Columbia | | | | | | | | | | | | | |
| Civilian labor force | 268.5 244.5 24.0 8.9 | 269.0 245.3 23.7 8.8 | 267.5 244.2 23.3 8.7 | 266.8 244.1 22.7 8.5 | 265.7 243.9 21.9 8.2 | 264.2 243.6 20.6 7.8 | 266.0 245.7 20.3 7.6 | 270.2 250.1 20.1 7.4 | 268.3 249.1 19.2 7.2 | 269.1 250.6 18.5 6.9 | 271.6 254.0 17.6 6.5 | 273.3 256.7 16.6 6.1 | 271.5 255.3 16.2 6.0 |
| Florida | | | | | | | | | | | | | |
| Civilian labor force | 7,221.1 6,920.7 300.3 4.2 | 7,242.6 6,941.6 301.0 4.2 | 7,276.3 6,972.3 303.9 4.2 | 7,309.9 7,001.6 308.3 4.2 | 7,346.0 7,035.2 310.8 4.2 | 7,386.5 7,075.5 310.9 4.2 | 7,424.5 7,107.9 316.6 4.3 | 7,433.4 7,115.4 318.0 4.3 | 7,414.2 7,105.6 308.6 4.2 | 7,455.1 7,138.0 317.1 4.3 | 7,462.7 7,153.2 309.5 4.1 | 7,470.5 7,181.3 289.2 3.9 | 7,464.5 7,181.2 283.3 3.8 |

STATE LABOR FORCE DATA SEASONALLY ADJUSTED

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

(Numbers in thousands)

| 04-4- | | | 19 | 98 | | | <u> </u> | | | 1999 | | | |
|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp |
| Georgia | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 4,031.3 3,858.6 172.8 4.3 | 4,030.3 3,863.8 166.5 4.1 | 4,034.2 3,868.8 165.4 4.1 | 4,032.1 3,870.0 162.1 4.0 | 4,031.5 3,871.9 159.7 4.0 | 4,026.0 3,869.7 156.3 3.9 | 4,040.1 3,881.8 158.2 3.9 | 4,038.7 3,873.7 165.0 4.1 | 4,041.2 3,870.9 170.3 4.2 | 4,063.5 3,903.2 160.3 3.9 | 4,068.3 3,916.0 152.3 3.7 | 4,064.0 3,917.1 147.0 3.6 | 4,059.6 3,911.2 148.3 3.7 |
| Hawaii | | | | ļ | | | į | | , | | | | |
| Civilian labor force | 596.9 559.5 37.3 6.3 | 597.8 560.8 37.0 6.2 | 600.6 562.5 38.1 6.3 | 600.7 563.3 37.3 6.2 | 601.4 564.6 36.8 6.1 | 602.5 565.7 36.9 6.1 | 600.4 563.7 36.7 6.1 | 597.6 562.0 35.6 6.0 | 598.9 563.3 35.6 5.9 | 598.0 565.0 33.0 5.5 | 601.0 568.2 32.8 5.5 | 597.2 563.9 33.3 5.6 | 596.7 564.8 32.0 5.4 |
| Idaho | | | | | | | | | | | | | |
| Civilian labor force | 653.3 620.9 32.5 5.0 | 655.6 623.5 32.1 4.9 | 658.8 625.9 32.9 5.0 | 661.3 628.5 32.8 5.0 | 663.5 631.0 32.4 4.9 | 665.8 632.9 32.9 4.9 | 662.2 632.2 30.0 4.5 | 662.0 631.4 30.6 4.6 | 662.5 631.3 31.2 4.7 | 659.3 628.2 31.1 4.7 | 658.2 626.2 32.0 4.9 | 656.3 621.4 34.9 5.3 | 659.5 626.3 33.2 5.0 |
| Illinois | | | | | | | | | | | | | |
| Civilian labor force | 6,229.1 5,947.8 281.2 4.5 | 6,224.1 5,946.0 278.1 4.5 | 6,239.9 5,958.3 281.6 4.5 | 6,249.0 5,970.7 278.3 4.5 | 6,246.4 5,971.3 275.1 4.4 | 6,248.0 5,983.3 264.7 4.2 | 6,283.6 6,030.6 253.0 4.0 | 6,284.4 6,031.2 253.2 4.0 | 6,296.4 6,058.1 238.3 3.8 | 6,312.0 6,065.1 246.9 3.9 | 6,319.8 6,043.0 276.8 4.4 | 6,347.6 6,057.5 290.2 4.6 | 6,386.6 6,093.9 292.7 4.6 |
| Indiana | | | | į | | | | | i | | | | |
| Civilian labor force | 3,076.4 2,981.1 95.3 3.1 | 3,084.8 2,991.3 93.5 3.0 | 3,097.5 3,000.9 96.7 3.1 | 3,107.2 3,014.5 92.7 3.0 | 3,116.5 3,022.1 94.4 3.0 | 3,127.3 3,034.1 93.2 3.0 | 3,124.8 3,028.7 96.1 3.1 | 3,138.4 3,048.4 90.0 2.9 | 3,130.7 3,048.8 81.8 2.6 | 3,109.9 3,031.5 78.5 2.5 | 3,101.9 3,009.6 92.3 3.0 | 3,103.1 3,007.4 95.7 3.1 | 3,081.8 3,009.0 72.8 2.4 |
| lowa | | | | | | | | | | | | | |
| Civilian labor force | 1,564.6 1,522.6 42.0 2.7 | 1,568.4 1,526.0 42.4 2.7 | 1,572.3 1,529.9 42.4 2.7 | 1,572.7 1,531.0 41.7 2.7 | 1,576.5 1,534.5 42.1 2.7 | 1,580.8 1,538.9 41.9 2.7 | 1,589.6 1,543.4 46.2 2.9 | 1,585.2 1,543.4 41.9 2.6 | 1,579.0 1,536.8 42.2 2.7 | 1,588.4 1,546.0 42.4 2.7 | 1,584.0 1,542.4 41.6 2.6 | 1,592.1 1,550.1 42.0 2.6 | 1,596.4 1,553.8 42.6 2.7 |
| Kansas | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 1,413.5 1,357.3 56.2 4.0 | 1,416.2 1,361.5 54.7 3.9 | 1,420.0 1,365.3 54.7 3.8 | 1,427.4 1,373.4 54.0 3.8 | 1,434.2 1,380.4 53.8 3.8 | 1,436.4 1,384.6 51.8 3.6 | 1,444.8 1,395.4 49.4 3.4 | 1,446.3 1,398.5 47.9 3.3 | 1,446.8 1,396.6 50.1 3.5 | 1,446.1 1,397.4 48.7 3.4 | 1,447.6 1,398.3 49.2 3.4 | 1,447.5 1,400.1 47.3 3.3 | 1,449.1 1,401.0 48.0 3.3 |
| Kentucky | | | | | | i | l | | | | | | |
| Civilian labor force | 1,920.6 1,833.9 86.7 4.5 | 1,924.1 1,836.1 88.0 4.6 | 1,926.4 1,839.4 87.0 4.5 | 1,930.6 1,845.5 85.1 4.4 | 1,932.6 1,849.9 82.8 4.3 | 1,936.1 1,855.9 80.2 4.1 | 1,941.0 1,859.3 81.7 4.2 | 1,942.5 1,860.1 82.4 4.2 | 1,944.9 1,860.4 84.5 4.3 | 1,945.6 1,862.9 82.7 4.3 | 1,952.5 1,866.5 86.0 4.4 | 1,958.1 1,870.7 87.4 4.5 | 1,957.3 1,877.6 79.7 4.1 |
| Louisiana | | | | | | | | | | | | | |
| Civilian labor force | 2,076.8 1,950.3 126.5 6.1 | 2,073.0 1,949.7 123.3 5.9 | 2,066.4 1,947.9 118.5 5.7 | 2,065.9 1,956.1 109.8 5.3 | 2,061.8 1,951.6 110.3 5.3 | 2,061.3 1,952.4 108.9 5.3 | 2,068.3 1,960.5 107.8 5.2 | 2,065.9 1,950.4 115.5 5.6 | 2,051.7 1,947.0 104.6 5.1 | 2,056.6 1,951.8 104.8 5.1 | 2,033.3 1,943.6 89.7 4.4 | 2,042.2 1,955.9 86.3 4.2 | 2,053.9 1,957.3 96.6 4.7 |
| Maine | | | | | | | | | | | | | |
| Civilian labor force | 648.6 619.8 28.8 4.4 | 650.4 621.4 28.9 4.4 | 653.1 624.7 28.3 4.3 | 658.6 630.1 28.5 4.3 | 662.2 635.5 26.7 4.0 | 664.7 639.5 25.2 3.8 | 660.5 637.7 22.8 3.5 | 663.8 641.8 22.0 3.3 | 662.8 640.2 22.6 3.4 | 663.0 639.4 23.6 3.6 | 668.1 639.4 28.7 4.3 | 668.5 639.1 29.4 4.4 | 670.2 642.3 27.9 4.2 |

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

(Numbers in thousands)

| State | | | 19 | 98 | | | | | | 1999 | | | |
|---|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | Мау | June | Julyp |
| Maryland | | | | | | | | | | | | | |
| Civilian labor force | 2,750.1 2,619.8 130.3 4.7 | 2,754.6 2,629.1 125.5 4.6 | 2,760.0 2,641.6 118.4 4.3 | 2,774.8 2,659.7 115.2 4.2 | 2,788.6 2,676.1 112.5 4.0 | 2,806.7 2,696.7 109.9 3.9 | 2,805.9 2,705.0 100.9 3.6 | 2,813.2 2,706.9 106.3 3.8 | 2,808.7 2,704.8 103.9 3.7 | 2,812.9 2,704.3 108.6 3.9 | 2,811.8 2,704.5 107.3 3.8 | 2,802.3 2,700.2 102.1 3.6 | 2,818.2 2,709.7 108.5 3.8 |
| Massachusetts | | | | | | | | | | | | | |
| Civilian labor force | 3,274.4 3,169.0 105.4 3.2 | 3,270.0 3,164.6 105.5 3.2 | 3,274.2 3,164.9 109.3 3.3 | 3,272.7 3,166.5 106.3 3.2 | 3,264.4 3,163.1 101.3 3.1 | 3,259.5 3,159.2 100.4 3.1 | 3,264.6 3,161.7 102.9 3.2 | 3,265.2 3,170.8 94.5 2.9 | 3,264.7 3,172.8 91.8 2.8 | 3,272.8 3,178.3 94.5 2.9 | 3,278.6 3,174.6 104.0 3.2 | 3,277.1 3,178.1 99.0 3.0 | 3,286.1 3,181.2 104.9 3.2 |
| Michigan | | | | | | | | | | | | ! | |
| Civilian labor force | 5,011.5 4,796.2 215.3 4.3 | 5,027.0 4,836.0 191.0 3.8 | 5,038.8 4,846.7 192.1 3.8 | 5,054.1 4,861.9 192.2 3.8 | 5,057.3 4,867.2 190.2 3.8 | 5,057.8 4,864.5 193.2 3.8 | 5,059.6 4,869.4 190.2 3.8 | 5,066.2 4,862.3 203.9 4.0 | 5,071.7 4,870.9 200.8 4.0 | 5,076.6 4,875.6 201.0 4.0 | 5,070.5 4,874.0 196.5 3.9 | 5,085.0 4,890.5 194.5 3.8 | 5,085.1 4,910.9 174.3 3.4 |
| Minnesota | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 2,683.4 2,617.6 65.8 2.5 | 2,689.2 2,623.9 65.2 2.4 | 2,695.9 2,623.5 72.3 2.7 | 2,704.0 2,637.4 66.6 2.5 | 2,712.5 2,644.1 68.3 2.5 | 2,715.6 2,650.7 64.9 2.4 | 2,716.3 2,650.7 65.6 2.4 | 2,711.6 2,647.8 63.9 2.4 | 2,705.8 2,645.7 60.1 2.2 | 2,704.1 2,647.4 56.6 2.1 | 2,718.5 2,649.4 69.0 2.5 | 2,722.2 2,651.3 70.9 2.6 | 2,740.5 2,660.1 80.4 2.9 |
| Mississippi | | | | | | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 1,268.1 1,200.9 67.3 5.3 | 1,266.7 1,199.5 67.2 5.3 | 1,272.3 1,204.4 68.0 5.3 | 1,276.6 1,210.4 66.2 5.2 | 1,281.1 1,214.7 66.4 5.2 | 1,287.4 1,219.9 67.5 5.2 | 1,290.9 1,223.3 67.6 5.2 | 1,276.5 1,221.8 54.7 4.3 | 1,289.1 1,223.1 66.0 5.1 | 1,276.0 1,216.9 59.0 4.6 | 1,273.2 1,212.2 61.0 4.8 | 1,273.6 1,215.9 57.7 4.5 | 1,281.1 1,220.9 60.2 4.7 |
| Missouri | | | | | | | | | | | | | |
| Civilian labor force | 2,846.8 2,724.1 122.6 4.3 | 2,846.1 2,729.3 116.8 4.1 | 2,858.7 2,747.6 111.1 3.9 | 2,874.0 2,766.3 107.6 3.7 | 2,886.6 2,784.5 102.0 3.5 | 2,900.1 2,806.1 94.1 3.2 | 2,885.6 2,811.5 74.1 2.6 | 2,892.4 2,815.0 77.4 2.7 | 2,891.8 2,809.1 82.7 2.9 | 2,896.6 2,802.7 93.8 3.2 | 2,895.8 2,795.3 100.5 3.5 | 2,909.2 2,799.4 109.8 3.8 | 2,917.6 2,814.5 103.1 3.5 |
| Montana | | | ĺ | | | | | | | ĺ | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 468.4 442.5 25.9 5.5 | 468.3 442.5 25.8 5.5 | 469.3 443.0 26.2 5.6 | 471.3 444.7 26.6 5.6 | 472.8 446.2 26.6 5.6 | 472.8 447.1 25.7 5.4 | 476.2 451.4 24.8 5.2 | 475.3 449.5 25.7 5.4 | 472.9 447.2 25.7 5.4 | 474.8 449.0 25.8 5.4 | 476.0 451.7 24.3 5.1 | 472.5 449.3 23.2 4.9 | 475.2 452.7 22.5 4.7 |
| Nebraska | | | | | ļ | | | | | | | | |
| Civilian labor force | 918.4 892.2 26.3 2.9 | 919.1 893.6 25.5 2.8 | 922.5 897.6 24.9 2.7 | 927.4 902.7 24.8 2.7 | 932.6 907.8 24.8 2.7 | 936.9 913.4 23.5 2.5 | 935.2 912.9 22.4 2.4 | 932.4 910.3 22.2 2.4 | 930.8 909.5 21.3 2.3 | 931.1 908.0 23.1 2.5 | 929.8 905.6 24.3 2.6 | 929.6 906.3 23.3 2.5 | 932.3 910.1 22.2 2.4 |
| Nevada | | | | | | ļ | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 922.2 881.3 40.9 4.4 | 923.6 884.6 39.1 4.2 | 925.5 889.0 36.5 3.9 | 930.3 895.6 34.7 3.7 | 932.3 899.1 33.2 3.6 | 933.5 903.0 30.5 3.3 | 937.9 906.5 31.4 3.3 | 940.8 908.3 32.4 3.4 | 942.0 906.3 35.8 3.8 | 949.4 910.2 39.2 4.1 | 956.3 914.6 41.7 4.4 | 957.3 917.1 40.2 4.2 | 955.4 918.8 36.6 3.8 |
| New Hampshire | | | | | 1 | | | | | | | | |
| Civilian labor force Employed Unemployed Unemployment rate | 647.8 630.6 17.3 2.7 | 648.9 631.5 17.4 2.7 | 652.4 634.2 18.3 2.8 | 658.3 639.0 19.3 2.9 | 661.9 642.9 19.0 2.9 | 666.5 648.0 18.5 2.8 | 669.6 651.2 18.3 2.7 | 673.7 653.8 19.9 3.0 | 674.3 654.3 20.0 3.0 | 672.8 656.5 16.4 2.4 | 671.6 654.7 16.9 2.5 | 671.3 654.1 17.2 2.6 | 672.5 655.8 16.6 2.5 |

STATE LABOR FORCE DATA SEASONALLY ADJUSTED

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

(Numbers in thousands)

| | | | 19 | 98 | | | | | | 1999 | | | |
|----------------------|------------------------------------|------------------------------------|--------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|
| State | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | Julyp |
| New Jersey | | · | | | | | | | | | | | - |
| Civilian labor force | 4,138.4 3,948.0 190.4 4.6 | 4,141.9 3,953.4 188.5 4.6 | 4,153.4 3,963.6 189.7 4.6 | 4,162.4 3,975.6 186.7 4.5 | 4,173.2 3,987.1 186.1 4.5 | 4,193.7 4,009.1 184.6 4.4 | 4,216.3 4,031.9 184.5 4.4 | 4,219.1 4,047.3 171.9 4.1 | 4,217.2 4,027.7 189.5 4.5 | 4,232.8 4,042.6 190.2 4.5 | 4,244.8 4,046.3 198.5 4.7 | 4,239.2 4,031.8 207.4 4.9 | 4,248.6 4,044.0 204.6 4.8 |
| New Mexico | | | | | ı | | | | | | | | |
| Civilian labor force | 831.1 779.6 51.5 6.2 | 832.4 780.1 52.3 6.3 | 833.5 780.7 52.7 6.3 | 836.0 782.5 53.5 6.4 | 838.2 784.3 53.9 6.4 | 839.4 785.4 53.9 6.4 | 838.6 786.6 52.0 6.2 | 839.7 786.4 53.3 6.3 | 837.9 785.9 52.1 6.2 | 837.0 784.5 52.5 6.3 | 835.2 783.8 51.4 6.2 | 838.4 786.6 51.8 6.2 | 832.6 782.4 50.2 6.0 |
| New York | | | | | | | | | | | | | |
| Civilian labor force | 8,850.1 8,365.8 484.3 5.5 | 8,854.9 8,374.6 480.3 5.4 | 8,870.5 8,383.5 487.0 5.5 | 8,868.0 8,385.5 482.4 5.4 | 8,873.5 8,389.3 484.2 5.5 | 8,874.4 8,391.8 482.6 5.4 | 8,857.0 8,394.7 462.3 5.2 | 8,878.1 8,403.6 474.6 5.3 | 8,860.8 8,413.5 447.2 5.0 | 8,848.9 8,404.3 444.6 5.0 | 8,865.1 8,411.2 453.9 5.1 | 8,884.5 8,419.5 465.0 5.2 | 8,910.2 8,448.5 461.7 5.2 |
| North Carolina | | | | | | | | | | | | | |
| Civilian labor force | 3,784.8 3,658.6 126.2 3.3 | 3,791.7 3,659.1 132.6 3.5 | 3,797.8 3,669.0 128.9 3.4 | 3,812.6 3,683.5 129.1 3.4 | 3,820.0 3,696.1 124.0 3.2 | 3,833.8 3,713.9 119.9 3.1 | 3,858.3 3,740.3 118.0 3.1 | 3,846.4 3,727.4 119.0 3.1 | 3,850.0 3,728.3 121.7 3.2 | 3,856.7 3,746.9 109.9 2.8 | 3,853.3 3,734.7 118.6 3.1 | 3,826.0 3,724.1 101.9 2.7 | 3,845.8 3,732.5 113.3 2.9 |
| North Dakota | | | | | | | | | | | | | |
| Civilian labor force | 346.8 335.3 11.5 3.3 | 346.5 334.7 11.8 3.4 | 346.1 335.0 11.0 3.2 | 345.6 335.2 10.4 3.0 | 345.4 335.5 9.9 2.9 | 345.1 336.0 9.1 2.6 | 346.5 337.3 9.2 2.6 | 345.9 336.3 9.7 2.8 | 344.9 334.8 10.0 2.9 | 343.3 334.2 9.0 2.6 | 343.4 334.0 9.4 2.7 | 341.6 333.0 8.6 2.5 | 341.2 331.4 9.8 2.9 |
| Ohio | | | | | | | | | | | | | |
| Civilian labor force | 5,665.4 5,392.1 273.3 4.8 | 5,676.3 5,429.2 247.1 4.4 | 5,699.3 5,455.9 243.4 4.3 | 5,728.1 5,487.2 240.9 4.2 | 5,754.6 5,520.8 233.8 4.1 | 5,791.1 5,561.7 229.4 4.0 | 5,802.5 5,565.8 236.7 4.1 | 5,820.1 5,574.6 245.5 4.2 | 5,802.1 5,575.5 226.7 3.9 | 5,834.4 5,583.4 251.1 4.3 | 5,814.9 5,578.3 236.6 4.1 | 5,832.4 5,570.3 262.1 4.5 | 5,847.8 5,582.7 265.1 4.5 |
| Oklahoma | | | | | | | | | • | } | | | |
| Civilian labor force | 1,633.2 1,551.5 81.7 5.0 | 1,630.2 1,555.4 74.9 4.6 | 1,634.6 1,559.7 74.8 4.6 | 1,639.0 1,564.1 74.9 4.6 | 1,642.6 1,569.1 73.5 4.5 | 1,647.9 1,574.7 73.2 4.4 | 1,644.9 1,580.5 64.3 3.9 | 1,646.9 1,579.2 67.8 4.1 | 1,648.0 1,577.5 70.5 4.3 | 1,645.7 1,577.0 68.7 4.2 | 1,646.7 1,587.7 59.0 3.6 | 1,662.2 1,603.1 59.1 3.6 | 1,661.0 1,603.8 57.2 3.4 |
| Oregon | | | | | | | | | | | | | |
| Civilian labor force | 1,756.8 1,658.3 98.5 5.6 | 1,759.7 1,659.7 99.9 5.7 | 1,768.6 1,667.5 101.2 5.7 | 1,777.5 1,676.8 100.7 5.7 | 1,778.0 1,679.4 98.7 5.5 | 1,775.7 1,677.5 98.2 5.5 | 1,775.3 1,676.0 99.3 5.6 | 1,790.4 1,687.7 102.7 5.7 | 1,786.7 1,686.9 99.8 5.6 | 1,766.5 1,672.8 93.7 5.3 | 1,764.5 1,674.3 90.2 5.1 | 1,753.7 1,657.5 96.2 5.5 | 1,762.6 1,665.4 97.2 5.5 |
| Pennsylvania | | : | | | | | | İ | ļ | | | | |
| Civilian labor force | 5,931.5 5,658.1 273.5 4.6 | 5,930.8 5,657.8 273.0 4.6 | 5,932.1 5,659.6 · 272.6 4.6 | 5,926.1 5,657.0 269.1 4.5 | 5,928.4 5,662.8 265.7 4.5 | 5,930.2 5,668.0 262.2 4.4 | 5,945.7 5,686.5 259.2 4.4 | 5,986.5 5,725.6 260.9 4.4 | 6,000.2 5,734.2 266.0 4.4 | 5,988.3 5,739.0 249.3 4.2 | 5,991.4 5,763.0 228.4 3.8 | 5,989.0 5,729.4 259.6 4.3 | 5,978.1 5,723.2 254.9 4.3 |
| Rhode Island | | | | | | İ | | | | | | | |
| Civilian labor force | 496.8 472.9 23.9 4.8 | 497.1 472.8 24.3 4.9 | 498.7 474.9 23.9 4.8 | 499.2 475.8 23.4 4.7 | 499.2 477.1 22.1 4.4 | 500.7 480.1 20.6 4.1 | 499.0 476.6 22.4 4.5 | 497.7 478.3 19.4 3.9 | 502.8 487.7 15.1 3.0 | 505.3 489.5 15.8 3.1 | 503.2 484.4 18.8 3.7 | 503.9 484.0 19.9 4.0 | 509.7 489.0 20.7 4.1 |

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

(Numbers in thousands)

| State | | | 19 | 98 | | | | | | 1999 | | | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Siale | July | Aug. | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July ^p |
| South Carolina | | | | | | | | | | | | | |
| Civilian labor force | 1,967.3 | 1,965.0 | 1,962.8 | 1,966.7 | 1,967.2 | 1,966.9 | 1,973.4 | 1,981.7 | 1,969.0 | 1,985.5 | 2,000.3 | 1,996.3 | 1,980.2 |
| Employed | 1,890.1 77.2 | 1,887.9 77.1 | 1,887.3 75.5 | 1,889.1 77.6 | 1,889.4 77.8 | 1,890.2 76.7 | 1,900.3 73.1 | 1,899.0 82.7 | 1,895.2 73.8 | 1,903.0 82.5 | 1,916.8 83.5 | 1,918.3 78.0 | 1,913.5 66.7 |
| Unemployment rate | 3.9 | 3.9 | 3.8 | 3.9 | 4.0 | 3.9 | 3.7 | 4.2 | 3.7 | 4.2 | 4.2 | 3.9 | 3.4 |
| South Dakota | | | | | | | | | | | | | |
| Civilian labor force | 398.5 | 398.4 387.5 | 399.3 388.3 | 399.7 | 400.1 389.1 | 399.5 389.3 | 400.0 389.7 | 401.1 390.9 | 400.6 390.8 | 399.4 389.8 | 398.9 388.9 | 398.7 389.2 | 400.4 390.2 |
| Employed | 387.1 11.5 | 11.0 | 10.9 | 388.8 10.9 | 11.1 | 10.2 | 10.3 | 10.1 | 9.9 | 9.7 | 10.0 | 9.5 | 10.2 |
| Unemployment rate | 2.9 | 2.8 | 2.7 | 2.7 | 2.8 | 2.6 | 2.6 | 2.5 | 2.5 | 2.4 | 2.5 | 2.4 | 2.6 |
| Tennessee | | | | | | | | | | | | | |
| Civilian labor force | 2,767.5 2,657.5 | 2,773.4 2,660.5 | 2,779.0 2,664.6 | 2,788.6 2,674.1 | 2,792.2 2,678.6 | 2,799.6 2,683.9 | 2,813.6 2,694.2 | 2,815.1 2,692.2 | 2,810.4 2,690.0 | 2,815.2 2,699.2 | 2,812.9 2,705.6 | 2,801.1 2,713.3 | 2,814.0 2,719.0 |
| Unemployed | 110.0 | 112.9 | 114.4 | 114.5 | 113.6 | 115.7 | 119.4 | 122.8 | 120.4 | 116.0 | 107.3 | 87.9 | 95.0 |
| Unemployment rate | 4.0 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.2 | 4.4 | 4.3 | 4.1 | 3.8 | 3.1 | 3.4 |
| Texas | 40.440.0 | 10 100 0 | 10 100 5 | 10.000 4 | 10 000 0 | 10.040.0 | 10.004.5 | 10 000 4 | 10 200 0 | 10 247 0 | 10.202.4 | 10 204 0 | 10 200 0 |
| Civilian labor force Employed | 10,143.0 9,650.3 | 10,166.3 9,673.1 | 10,188.5 9,692.6 | 10,202.4 9,715.0 | 10,223.3 9,733.6 | 10,240.3 9,749.9 | 10,284.5 9,798.8 | 10,299.4 9,820.8 | 10,293.6 9,830.2 | 10,317.6 9,836.7 | 10,363.4 9,850.8 | 10,334.9 9,850.0 | 10,306.2 9,844.0 |
| Unemployed | 492.8 4.9 | 493.3 4.9 | 495.9 4.9 | 487.4 4.8 | 489.7 4.8 | 490.3 4.8 | 485.6 4.7 | 478.6 4.6 | 463.4 4.5 | 480.8 4.7 | 512.7 4.9 | 484.8 4.7 | 462.2 4.5 |
| Unemployment rate Utah | 4.9 | 4.9 | 4.9 | 4.0 | 4.8 | 4.0 | 4.7 | 4.0 | 4.5 | 4.7 | 4.9 | 4.7 | 4.5 |
| Civilian labor force | 1.062.1 | 1,064.7 | 1,069.1 | 1,075.2 | 1,081.0 | 1,088.1 | 1,094.5 | 1,098.5 | 1.106.3 | 1,105.3 | 1,107.6 | 1,107.1 | 1,104.2 |
| Employed | 1,019.4 | 1,023.8 | 1,029.9 | 1,036.7 | 1,044.2 | 1,052.5 | 1,057.7 | 1,063.4 | 1,068.9 | 1,071.8 | 1,071.2 | 1,069.9 | 1,067.1 |
| Unemployed Unemployment rate | 42.7 4.0 | 40.9 3.8 | 39.2 3.7 | 38.4 3.6 | 36.8 3.4 | 35.6 3.3 | 36.7 3.4 | 35.0 3.2 | 37.4 3.4 | 33.5 3.0 | 36.5 3.3 | 37.1 3.4 | 37.2 3.4 |
| Vermont | | | | | | | | , | | | | | |
| Civilian labor force | 330.0 | 331.1 | 331.4 | 332.8 | 334.3 | 335.8 | 336.1 | 338.7 | 339.7 | 338.5 | 338.7 | 338.8 | 339.9 |
| Employed Unemployed | 318.9 11.1 | 320.0 11.1 | 320.4 11.0 | 321.7 11.0 | 324.0 10.3 | 325.8 10.0 | 325.6 10.5 | 328.0 10.7 | 329.1 10.6 | 329.7 8.8 | 329.2 9.5 | 328.6 10.2 | 329.3 10.6 |
| Unemployment rate | 3.4 | 3.3 | 3.3 | 3.3 | 3.1 | 3.0 | 3.1 | 3.2 | 3.1 | 2.6 | 2.8 | 3.0 | 3.1 |
| Virginia | | | | | | | | | | | | | |
| Civilian labor force | 3,481.0 3,383.8 | 3,499.9 3,400.2 | 3,521.3 3,419.8 | 3,540.5 3,438.4 | 3,560.3 3,456.7 | 3,585.9 3,480.2 | 3,589.3 3,494.6 | 3,587.5 3,493.6 | 3,581.1 3,481.8 | 3,584.0 3,486.1 | 3,593.8 3,486.8 | 3,587.2 3,486.7 | 3,591.5 3,495.7 |
| Unemployed | 97.2 | 99.8 | 101.4 | 102.1 | 103.6 | 105.6 | 94.7 | 93.9 | 99.3 | 97.8 | 107.0 | 100.6 | 95.8 |
| Unemployment rate | 2.8 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.6 | 2.6 | 2.8 | 2.7 | 3.0 | 2.8 | 2.7 |
| Washington | 2 222 7 | 2 222 2 | 0.050.7 | 0.004.5 | 0.000.0 | 0.070.0 | 0.004.4 | 0.000.4 | 0.000.0 | 0.000.0 | 0.000.0 | 0.004.0 | 0.440.4 |
| Civilian labor force Employed | 3,038.7 2,892.7 | 3,039.9 2,893.3 | 3,050.7 2,899.4 | 3,064.5 2,914.7 | 3,068.0 2,918.8 | 3,078.2 2,927.6 | 3,081.1 2,936.6 | 3,089.4 2,937.1 | 3,082.6 2,940.8 | 3,083.3 2,943.3 | 3,089.0 2,944.8 | 3,094.9 2,945.8 | 3,118.1 2,970.9 |
| UnemployedUnemployment rate | 146.0 4.8 | 146.5 4.8 | 151.3 5.0 | 149.8 4.9 | 149.2 4.9 | 150.6 4.9 | 144.5 4.7 | 152.3 4.9 | 141.7 4.6 | 140.0 4.5 | 144.2 4.7 | 149.1 4.8 | 147.2 4.7 |
| West Virginia | | 1.0 | 5.5 | | , ,,, | | *** | 4.0 | 1.5 | 1.0 | | 4.0 | 1 |
| Civilian labor force | 800.8 | 799.2 | 799.5 | 802.3 | 802.1 | 803.8 | 812.4 | 810.2 | 812.5 | 811.3 | 808.3 | 812.4 | 813.6 |
| Employed | 746.2 54.6 | 745.4 53.7 | 746.8 52.7 | 750.7 51.7 | 752.5 49.6 | 755.5 48.4 | 760.1 52.3 | 763.8 46.4 | 758.3 54.3 | 756.5 54.9 | 753.9 54.4 | 759.7 52.7 | 763.8 49.8 |
| Unemployment rate | 6.8 | 6.7 | 6.6 | 6.4 | 6.2 | 6.0 | 6.4 | 5.7 | 6.7 | 6.8 | 6.7 | 6.5 | 6.1 |
| Wisconsin | | | | | | | | | | | | | |
| Civilian labor force | 2,955.5 2,848.7 | 2,952.9 2,850.8 | 2,960.0 2,856.0 | 2,969.4 2,862.6 | 2,979.3 2,872.0 | 2,986.2 2,879.9 | 2,997.3 2,891.3 | 2,985.2 2,884.8 | 2,976.0 2,880.1 | 2,968.6 2,876.5 | 2,973.8 2,873.5 | 2,953.4 2,868.8 | 2,962.2 2,874.4 |
| Unemployed | 106.8 | 102.1 | 104.1 | 106.8 | 107.4 | 106.3 | 105.9 | 100.4 | 95.9 | 92.1 | 100.3 | 84.5 | 87.8 |
| Unemployment rate | 3.6 | 3.5 | 3.5 | 3.6 | 3.6 | 3.6 | 3.5 | 3.4 | 3.2 | 3.1 | 3.4 | 2.9 | 3.0 |
| Wyoming Civilian labor force | 259.0 | 259.0 | 259.1 | 259.8 | 259.9 | 259.6 | 260.5 | 260.4 | 260.5 | 260.8 | 262.2 | 262.1 | 261.4 |
| Employed | 246.6 | 246.6 | 246.7 | 247.5 | 247.6 | 247.9 | 248.4 | 248.4 | 249.1 | 249.2 | 249.3 | 249.3 | 249.6 |
| Unemployed Unemployment rate | 12.4 4.8 | 12.4 4.8 | 12.4 (4.8 | 12.4 4.8 | 12.3 4.7 | 11.7 4.5 | 12.1 4.6 | 12.0 4.6 | 11.3 4.4 | 11.6 4.5 | 13.0 4.9 | 12.8 4.9 | 11.8 4.5 |

revised when new benchmark and population information becomes available.

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

STATE AND AREA LABOR FORCE DATA NOT SEASONALLY ADJUSTED

C-3. Labor force status by State and metropolitan area

(Numbers in thousands)

| | | Civilian to | bor force | | | | | Unem | ployed | | | |
|--|------------|---------------|---------------|-------------------|-------------|-------------|-------------|-------------------|-------------|-------------|-------------|----------------|
| State and area | | Civillati | ibol loice | | _ | Nur | nber | | - | Percent of | labor force | • |
| State and area | Ju | ine | Jı | ıly | Ju | ne | Jι | ıly | Ju | ne | ال | uly |
| | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999 |
| Alabama | ., 2,181.9 | 2,194.1 | 2,165.7 | 2,184.0 | 112.3 | 118.1 | 98.0 | 98.8 | 5.1 | 5.4 | 4.5 | 4.5 |
| Anniston | | 55.5 | 55.2 | 55.4 | 3.0 | 3.0 | 2.7 | 2.4 | 5.5 | 5.5 | 4.9 | 4.4 |
| Birmingham | | 482.4 | 474.0 | 480.9 | 16.3 | 16.6 | 14.4 | 13,4 | 3.4 | 3.4 | 3.0 | 2.8 |
| Decatur | | 75.1 | 74.8 | 74.8 | 3.5 | 4.2 | 4.3 | 3.4 | 4.7 | 5.6 | 5.8 | 4.5 |
| Dothan | | 67.7 | 66.2 | 67.0 | 2.7 | 3.1 | 2.3 | 2.5 | 4.1 | 4.5 | 3.5 | 3.7 |
| Florence | | 70.3 | 68.6 | 69.5 | 5.9 | 5.6 | 5.0 | 4.3 | 8.5 | 8.0 | 7.3 | 6.3 |
| Gadsden | | 51.1 | 50.3 | 50.3 | 2.9 | 4.0 | 2.5 | 3.6 | 5.6 | 7.9 | 4.9 | 7.1 |
| Huntsville | | 173.6 | 172.2 | 174.1 | 5.9 | 6.4 | 5.8 | 7.5 | 3.4 | 3.7 | 3.4 | 4.3 |
| Mobile | | 282.6 | 273.0 | 282.2 | 13.3 | 14.6 | 11,1 | 11.8 | 4.8 | 5.2 | 4.1 | 4.2 |
| Montgomery | | 168.6 | 162.8 | 168.5 | 6.6 | 7.0 | 5.5 | 5.7 | 4.1 | 4.1 | 3.4 | 3.4 |
| Tuscaloosa | | 85.0 | 82.9 | 84.5 | 3.0 | 3.0 | 2.7 | 2.6 | 3.6 | 3.6 | 3.4 | 3.4 |
| | | | | | | | | 2.0 | 0.0 | 0.0 | | 5.0 |
| laska | | 325.9 | 331.3 | 330.5 | 18.9 | 19.6 | 15.8 | 16.8 | 5.8 | 6.0 | 4.8 | 5.1 |
| Anchorage | 142.9 | 143.4 | 143.3 | 143.6 | 6.1 | 6.3 | 5.3 | 5.6 | 4.2 | 4.4 | 3.7 | 3.9 |
| rizona | | 2,415.3 | 2,294.4 | 2,418.7 | 104.1 | 112.5 | 109.3 | 117.6 | 4.6 | 4.7 | 4.8 | 4.9 |
| Flagstaff | | 63.0 | 61.5 | 67.0 | 4.9 | 4.5 | 5.1 | 4.8 | 8.1 | 7.2 | 8.3 | 7.2 |
| Phoenix-Mesa | | 1,597.3 | 1,519.2 | 1,602.1 | 42.3 | 50.4 | 44.2 | 51.0 | 2.8 | 3.2 | 2.9 | 3.2 |
| Tucson | | 394.9 | 370.1 | 391.7 | 10.9 | 11.1 | 10.8 | 13.5 | 2.9 | 2.8 | 2.9 | 3.4 |
| Yuma | 69.1 | 75.3 | 71.3 | 74.5 | 23.4 | 25.3 | 25.6 | 26.3 | 33.9 | 33.6 | 35.9 | 35.3 |
| rkansas | 1,221.2 | 1,277.4 | 1,230.3 | 1,278.5 | 64.7 | 59.9 | 69.4 | 62.4 | 5.3 | 4.7 | 5.6 | 4.9 |
| Fayetteville-Springdale-Rogers | | 149.3 | 141.8 | 150.5 | 4.6 | 4.0 | 5.2 | 4.2 | 3.3 | 2.6 | 3.7 | 2.8 |
| Fort Smith | | 99.9 | 97.1 | 100.0 | 4.8 | 4.1 | 4.9 | 3.8 | 5.0 | 4.1 | 5.1 | 3.8 |
| Jonesboro | | 43.9 | 41.7 | 43.8 | 1.8 | 1.6 | 1.8 | 1.6 | 4.3 | 3.7 | 4.4 | 3.7 |
| Little Rock-North Little Rock | | 311.0 | 300.2 | 311,7 | 12.1 | 10.3 | 12.5 | 10.6 | 4.1 | 3.3 | 4.2 | 3.4 |
| Pine Bluff | | 37.8 | 36.8 | 38.2 | 3.2 | 2.9 | 3.3 | 3.1 | 8.8 | 7.8 | 9.0 | 8.0 |
| Time Didit | | 37.0 | 30.0 | 30.2 | 0.2 | 2.5 | 5.5 | 5.1 | 0.0 | /.0 | 3.0 |] 0.0 |
| alifornia | 16,328.2 | 16,599.2 | 16,557.7 | 16,778.3 | 960.4 | 887.2 | 1,039.6 | 939.8 | 5.9 | 5.3 | 6.3 | 5.6 |
| Bakersfield | 282.7 | 290.0 | 291.6 | 296.6 | 31.8 | 31.9 | 36.3 | 34.3 | 11.2 | 11.0 | 12.5 | 11.6 |
| Chico-Paradise | 85.0 | 86.9 | 86.3 | 87.1 | 7.7 | 6.5 | 7.5 | 6.6 | 9.0 | 7.5 | 8.7 | 7.6 |
| Fresno | | 450.3 | 448.5 | 457.0 | 59.6 | 60.2 | 59.3 | 57.8 | 13.7 | 13.4 | 13.2 | 12.6 |
| Los Angeles-Long Beach | 4,592.9 | 4,583.3 | 4,711.1 | 4,703.3 | 302.0 | 265.1 | 341.6 | 291.7 | 6.6 | 5.8 | 7.2 | 6.2 |
| Merced | \ 88.4 | 90.0 | 86.5 | 87.6 | 13.1 | 12.1 | 12.4 | 11.0 | 14.8 | 13.4 | 14.3 | 12.6 |
| Modesto | | 207.3 | 208.8 | 210.4 | 27.0 | 24.6 | 25.4 | 23.3 | 13.1 | 11.9 | 12.2 | 11.1 |
| Oakland | | 1,225.5 | 1,199.5 | 1,235.5 | 48.5 | 43.8 | 51.8 | 46.5 | 4.1 | 3.6 | 4.3 | 3.8 |
| Orange County | 1,434.9 | 1,483.8 | 1,447.8 | 1,491.4 | 43.3 | 42.8 | 46.3 | 45.5 | 3.0 | 2.9 | 3.2 | 3.1 |
| Redding | | 71.7 | 71.0 | 70.7 | 6.6 | 5.3 | 6.2 | 5.0 | 9.1 | 7.4 | 8.7 | 7.1 |
| Riverside-San Bernardino | 1,383.6 | 1,439.0 | 1,389.9 | 1,440.1 | 87.1 | 80.3 | 97.7 | 90.2 | 6.3 | 5.6 | 7.0 | 6.3 |
| Sacramento | 758.5 | 780.9 | 766.0 | 788.6 | 38.6 | 35.0 | 39.9 | 36.2 | 5.1 | 4.5 | 5.2 | 4.6 |
| Salinas | 185.2 | 190.1 | 187.3 | 192.1 | 14.1 | 13.5 | 13.3 | 12.4 | 7.6 | 7.1 | 7.1 | 6.5 |
| San Diego | 1,322.5 | 1,344.3 | 1,333.8 | 1,350.1 | 47.6 | 46.5 | 51.3 | 47.6 | 3.6 | 3.5 | 3.8 | 3.5 |
| San Francisco | 950.1 | 963.4 | 970.2 | 970.6 | 29.8 | 26.0 | 32.0 | 27.4 | 3.1 | 2.7 | 3.3 | 2.8 |
| San Jose | | 971.6 | 977.1 | 981.6 | 30.5 | 33.1 | 33.7 | 32.6 | 3.2 | 3.4 | 3.5 | 3.3 |
| San Luis Obispo-Atascadero-Paso Robles | 110.8 | 112.3 | 109.3 | 108.0 | 4.6 | 3.9 | 4.7 | 4.0 | 4.1 | 3.5 | 4.3 | 3.7 |
| Santa Barbara-Santa Maria-Lompoc | | 198.6 | 197.8 | 197.5 | 7.4 | 7.1 | 7.4 | 6.9 | 3.8 | 3.6 | 3.8 | 3.5 |
| Santa Cruz-Watsonville | | 146.8 | 142.3 | 142.8 | 8.0 | 7.8 | 8.0 | 6.9 | 5.5 | 5.3 | 5.6 | 4.8 |
| Santa Rosa | | 255.2 | 248.0 | 252.7 | 8.4 | 7.4 | 8.5 | 7.5 | 3.4 | 2.9 | 3.4 | 3.0 |
| Stockton-Lodi | | 254.2 | 254.5 | 255.0 | 26.6 | 23.0 | 27.3 | 24.0 | 10.5 | 9.0 | 10.7 | 9.4 |
| Vallejo-Fairfield-Napa | | 252.1 | 246.5 | 253.0 | 12.9 | 11.1 | 13.0 | 11.6 | 5.3 | 4.4 | 5.3 | 4.6 |
| Ventura | | 400.6 | 390.2 | 403.6 | 19.4 | 18.0 | 23.0 | 23.2 | 5.0 | 4.5 | 5.9 | 5.7 |
| Visatia-Tulare-Porterville | | 172.2 | 168.8 | 175.2 | 22.4 | 27.0 | 28.0 | 30.0 | 13.7 | 15.7 | 16.6 | 17. |
| YoloYuba City | | 89.5 58.9 | 87.6 58.2 | 88.6 61.0 | 4.2 8.6 | 3.6 7.5 | 4.2 7.8 | 3.8 7.0 | 4.7 14.8 | 4.0 12.7 | 4.8 13.4 | 4.3 |
| Tuba Oity | | 30.3 | | | | | | | 14.0 | 12.7 | 10.4 | ''' |
| olorado | | 2,305.4 | 2,285.0 | 2,318.7 | 109.2 | 86.6 | 91.5 | 70.0 | 4.8 | 3.8 | 4.0 | 3.0 |
| Boulder-Longmont | | 177.3 | 173.5 | 177.8 | 7.6 | 6.1 | 6.5 | 5.2 | 4.3 | 3.5 | 3.7 | 2.9 |
| Colorado Springs | | 264.2 | 260.4 | 264.6 | 14.9 | 11.5 | 12.5 | 9.5 | 5.7 | 4.4 | 4.8 | 3.6 |
| Denver | | 1,164.1 | 1,147.7 | 1,171.6 | 44.2 | 35.9 | 38.4 | 29.6 | 3.9 | 3.1 | 3.3 | 2.5 |
| Fort Collins-Loveland | | 144.5 | 143.4 | 145.0 | 6.6 | 5.6 | 5.6 | 4.4 | 4.6 | 3.9 | 3.9 | 3.0 |
| Grand Junction | | 59.3 | 60.2 | 59.8 | 3.7 | 2.8 | 3.1 | 2.3 | 6.2 | 4.8 | 5.1 | 3.1 |
| Greeley | | 84.3 | 85.7 | 85.1 | 4.8 | 4.1 | 4.1 | 3.4 | 5.6 | 4.8 | 4.8 | 4.0 |
| Pueblo | 64.7 | 61.6 | 63.5 | 62.1 | 6.7 | 3.6 | 4.8 | 3.0 | 10.3 | 5.8 | 7.6 | 4.9 |
| onnecticut | 1,731.6 | 1,747.1 | 1,757.9 | 1,756.1 | 60.0 | 63.2 | 61.2 | 54.4 | 3.5 | 3.6 | 3.5 | 3. |
| Bridgeport | | 223.2 | 221.5 | 221.5 | 9.3 | 10.3 | 9.4 | 8.6 | 4.2 | 4.6 | 4.2 | 3.9 |
| Danbury | | 111.8 | 112.9 | 112.3 | 2.6 | 2.9 | 2.8 | 2.7 | 2.3 | 2.6 | 2.5 | 2.4 |
| Hartford | | 591.1 | 594.8 | 593.3 | 21.0 | 22.1 | 21.1 | 18.9 | 3.6 | 3.7 | 3.6 | 3.2 |
| New Haven-Meriden | | 278.3 | 278.6 | 280.8 | 9.2 | 10.0 | 9.7 | 8.8 | 3.4 | 3.6 | 3.5 | 3. |
| New London-Norwich | | 156.8 | 158.4 | 159.9 | 6.2 | 5.6 | 6.3 | 5.1 | 4.0 | 3.5 | 4.0 | 3. |
| Stamford-Norwalk | 1 | 198.2 | 201.4 | 201.0 | 4.5 | 4.8 | 4.5 | 4.0 | 2.3 | 2.4 | 2.3 | 2. |
| Waterbury | | 118.2 | 119.3 | 117.8 | 4.8 | 5.1 | 4.9 | 4.4 | 4.0 | 4.3 | 4.1 | 3. |
| , | l | | | , | | | | | | | | |
| Power | | 401.2 69.1 | 399.6 69.0 | 403.9 69.3 | 16.2 3.3 | 15.3 3.1 | 16.5 2.7 | 13.5 2.5 | 4.1 4.8 | 3.8 4.6 | 4.1 4.0 | 3. |
| Dover | | 298.4 | 298.5 | 300.8 | 14.4 | 11.2 | 15.9 | 12.3 | 4.8 | 3.7 | 5.3 | 4. |
| | 250.3 | 250.4 | 250.3 | 0.00.0 | 177.4 | 11.6 | 13.3 | ا ۱۲۰۰۰ ا | 7.3 | ı J., | 1 3.5 | , , |

C-3. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

| | | Civilian la | hor force | | Unemployed | | | | | | | | |
|---------------------------------|---------|------------------|------------------|-------------------|--------------|--------------|--------------|-------------------|------------|------------|-------------|----------------|--|
| State and area | | Civiliania | iboi ioice | | | Nur | mber | | | Percent of | labor force | · | |
| State and area | Ju | ne | July | | June | | July | | June | | July | | |
| | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 199 9 P | |
| | 275.0 | 070.0 | 070.0 | 000.7 | 07.0 | 10.4 | 26.7 | 18.7 | 9.9 | 6.9 | 9.6 | 6.6 | |
| District of Columbia | | 278.8 2,679.4 | 279.6 2,622.8 | 282.7 2,714.8 | 27.2 92.1 | 19.4 79.0 | 85.2 | 72.7 | 3.6 | 2.9 | 3.2 | 2.7 | |
| Florida | 7,268.4 | 7,537.0 | 7,313.6 | 7,553.8 | 333.6 | 312.6 | 321.8 | 300.8 | 4.6 | 4.1 | 4.4 | 4.0 | |
| Daytona Beach | | 196.4 | 192.0 | 196.3 | 6.7 | 6.1 | 6.1 | 5.6 | 3.5 | 3.1 | 3.2 | 2.8 | |
| Fort Lauderdale | | 782.0 | 764.8 | 780.4 | 36.3 | 33.7 | 33.1 | 30.2 | 4.8 | 4.3 | 4.3 | 3.9 | |
| Fort Myers-Cape Coral | | 180.2 | 175.1 | 179.0 | 5.4 | 5.2 11,2 | 5.3 | 4.6 12.3 | 3,1 9.6 | 2.9 8.9 | 3.0 11.1 | 2.6 9.9 | |
| Fort Pierce-Port St. Lucie | | 125.7 86.7 | 124.0 83.4 | 124.6 88.2 | 11.9 2.7 | 2.7 | 13.8 2.3 | 2.6 | 3.2 | 3.1 | 2.8 | 3.0 | |
| Fort Walton Beach | | 105.1 | 103.3 | 106.4 | 3.0 | 2.5 | 2.6 | 2.3 | 3.0 | 2.4 | 2.6 | 2.2 | |
| Jacksonville | 1 | 557.7 | 546.2 | 562.4 | 18.1 | 17.8 | 16.8 | 16.7 | 3.3 | 3.2 | 3.1 | 3.0 | |
| Lakeland-Winter Haven | | 204.5 | 199.9 | 204.9 | 12.4 | 11.8 | 14.7 | 13.5 | 6.3 | 5.8 | 7.4 | 6.6 | |
| Melbourne-Titusville-Palm Bay | 1 | 211.9 | 208.6 | 213.3 | 9.5 | 8.2 | 8.3 | 7.7 | 4.6 | 3.9 | 4.0 | 3.6 | |
| Miami | | 1,060.5 | 1,047.9 | 1,064.8 | 72.0 | 67.5 | 64.9 | 61.0 | 6.9 | 6.4 | 6.2 | 5.7 | |
| Naples | . 90.0 | 97.3 | 90.2 | 97.3 | 4.1 | 3.6 | 5.1 | 5.0 | 4.6 | 3.7 | 5.7 | 5.1 | |
| Ocala | | 99.9 | 96.5 | 99.1 | 4.4 | 3.9 | 4.3 | 3.4 | 4.6 | 3.9 | 4.4 | 3.5 | |
| Orlando | | 889.2 | 854.9 | 892.0 | 27.4 | 26.6 3.8 | 26.1 3.0 | 24.7 3.5 | 3.2 5.1 | 3.0 5.3 | 3.1 4.4 | 2.8 4.9 | |
| Panama City | | 71.0 179.9 | 67.9 175.7 | 70.9 180.3 | 3.4 7.7 | 7.0 | 6.7 | 6.7 | 4.4 | 3.9 | 3.8 | 3.7 | |
| PensacolaPunta Gorda | | 46.2 | 44.2 | 45.7 | 1.5 | 1.5 | 1.5 | 1.5 | 3.3 | 3.2 | 3.5 | 3.4 | |
| Sarasota-Bradenton | | 271.6 | 263.0 | 272.5 | 6.7 | 5.8 | 6.8 | 6.3 | 2.6 | 2.1 | 2.6 | 2.3 | |
| Tallahassee | | 149.3 | 146.9 | 151.2 | 5.0 | 4.4 | 4.4 | 4.3 | 3.5 | 2.9 | 3.0 | 2.8 | |
| Tampa-St. Petersburg-Clearwater | 1,173.9 | 1,235.7 | 1,187.8 | 1,244.2 | 37.5 | 34.1 | 35.5 | 32.8 | 3.2 | 2.8 | 3.0 | 2.6 | |
| West Palm Beach-Boca Raton | 509.6 | 538.5 | 513.6 | 538.8 | 30.1 | 28.1 | 31.8 | 29.2 | 5.9 | 5.2 | 6.2 | 5.4 | |
| Georgia | | 4,098.3 56.2 | 4,057.0 58.3 | 4,085.5 56.4 | 195.8 5.6 | 169.5 4.3 | 191.2 5.0 | 166.5 4.2 | 4.8 9.5 | 4.1 7.6 | 4.7 8.5 | 4.1 7.4 | |
| Albany Athens | | 71.6 | 72.5 | 69.6 | 2.5 | 2.0 | 2.4 | 2.0 | 3.4 | 2.8 | 3.3 | 2.8 | |
| Atlanta | | 2,126.3 | 2,145.9 | 2.134.6 | 81.1 | 70.0 | 83.5 | 70.2 | 3.8 | 3.3 | 3.9 | 3.3 | |
| Augusta-Aiken | | 206.6 | 209.3 | 205.5 | 14.1 | 11.8 | 12.9 | 11.4 | 6.7 | 5.7 | 6.1 | 5.6 | |
| Columbus | | 126.6 | 126.5 | 126.5 | 6.9 | 6.5 | 6.7 | 6.1 | 5.4 | 5.1 | 5.3 | 4.9 | |
| Macon | 153.8 | 149.5 | 152.7 | 147.5 | 9.3 | 7.7 | 8.2 | 7.1 | 6.1 | 5.1 | 5.4 | 4.8 | |
| Savannah | 135.2 | 133.7 | 133.9 | 133.1 | 7.0 | 6.5 | 6.3 | 6.1 | 5.2 | 4.8 | 4.7 | 4.6 | |
| Hawaii Honolulu | | 600.9 430.7 | 604.6 430.6 | 604.2 429.7 | 42.1 25.1 | 37.5 23.0 | 40.5 24.4 | 35.0 21.6 | 7.0 5.8 | 6.2 5.3 | 6.7 5.7 | 5.8 5.0 | |
| ldaho | 663.2 | 667.6 | 664.2 | 669.8 | 29.9 | 31.5 | 28.8 | 29.7 | 4.5 | 4.7 | 4.3 | . 4.4 | |
| Boise City Pocatello | 223.5 | 229.0 38.6 | 221.5 39.9 | 230.8 38.2 | 8.0 1.8 | 8.3 2.0 | 7.7 1.7 | 8.1 1.9 | 3.6 4.6 | 3.6 5.1 | 3.5 4.3 | 3.5 4.9 | |
| | i | | | į l | 295.8 | 303.2 | 282.3 | 297.4 | 4.7 | 4.7 | 4.5 | 4.6 | |
| Illinois | | 6,439.4 85.4 | 6,318.7 85.0 | 6,482.7 85.9 | 293.6 | 2.2 | 1.9 | 237.4 | 2.6 | 2.6 | 2.3 | 2.5 | |
| Champaign-Urbana | | 93.1 | 92.8 | 94.1 | 2.9 | 3.0 | 3.1 | 2.9 | 3.1 | 3.2 | 3.3 | 3.1 | |
| Chicago | | 4,334.9 | 4,228.9 | 4,369.7 | 187.5 | 193.3 | 179,1 | 184.7 | 4.5 | 4.5 | 4.2 | 4.2 | |
| Davenport-Moline-Rock Island | | 189.8 | 188.4 | 192.7 | 6.3 | 8.3 | 5.5 | 9.8 | 3.4 | 4.4 | 2.9 | 5.1 | |
| Decatur | | 59.1 | 59.4 | 59.4 | 3.8 | 3.5 | 3.5 | 3.3 | 6.4 | 6.0 | 5.8 | 5.5 | |
| Kankakee | | 54.1 | 53.2 | 54.3 | 3.3 | 3.2 | 3.0 | 2.9 | 6.2 | 6.0 4.3 | 5.7 3.4 | 5.4 5.4 | |
| Peoria-Pekin | | 190.4 201.1 | 189.2 203.2 | 193.6 203.6 | 6.8 8.6 | 8.3 9.8 | 6.5 11.7 | 10.4 12.4 | 3.6 4.3 | 4.9 | 5.7 | 6.1 | |
| RockfordSpringfield | | 109.4 | 108.5 | 109.8 | 4.5 | 4.4 | 4.1 | 4.1 | 4.1 | 4.0 | 3.7 | 3.7 | |
| ndiana | 3,117.1 | 3,148.0 | 3,127.0 | 3,130.4 | 86.3 | 92.5 | 99.8 | 78.3 | 2.8 | 2.9 | 3.2 | 2.5 | |
| Bloomington | 58.5 | 57.8 | 57.1 | 56.6 | 1.7 | 1.4 | 1.6 | 1.1 | 3.0 | 2.5 | 2.8 | 1.9 | |
| Elkhart-Goshen | 96.7 | 98.8 | 96.6 | 97.9 | 2.1 | 2.0 | 2.0 | 1.9 | 2.2 | 2.1 | 2.0 | 2.0 | |
| Evansville-Henderson | | 159.6 | 158.6 | 160.9 | 6.1 | 5.3 | 5.5 | 4.1 | 3.9 | 3.3 | 3.5 | 2.6 | |
| Fort Wayne | | 269.5 | 268.5 | 268.9 | 6.3 | 7.5 11.9 | 9.4 9.6 | 7.3 8.8 | 2.3 3.3 | 2.8 3.9 | 3.5 3.1 | 2.7 2.9 | |
| GaryIndianapolis | | 308.7 851.8 | 309.4 849.6 | 305.5 i 850.6 | 10.3 18.9 | 20.1 | 9.6 24.4 | 16.8 | 2.3 | 2.4 | 2.9 | 2.9 | |
| Kokomo | | 51.6 | 51.7 | 51.1 | 1.4 | 1.3 | 3.8 | 1.0 | 2.8 | 2.5 | 7.4 | 1.9 | |
| Lafayette | | 89.0 | 87.5 | 88.1 | 1.9 | 2.2 | 1.6 | 1.5 | 2.3 | 2.5 | 1.9 | 1.7 | |
| Muncie | | 61.3 | 58.2 | 60.0 | 2.4 | 1.9 | 2.9 | 1.6 | 4.1 | 3.2 | 5.0 | 2.7 | |
| South Bend | | 138.2 68.8 | 138.0 68.7 | 137.6 68.6 | 3.3 3.2 | 3.8 2.9 | 3.8 2.7 | 3.9 2.2 | 2.4 4.6 | 2.8 4.2 | 2.8 3.9 | 2.9 3.2 | |
| | | [| | 1,610.8 | 43.2 | 41.8 | 37,2 | 37.6 | 2.7 | 2.6 | 2.4 | 2.3 | |
| Cedar Rapids | | 1,614.3 112.5 | 1,579.7 111.0 | 114.0 | 2.1 | 2.2 | 1.8 | 1.8 | 1.9 | 2.0 | 1.6 | 1.6 | |
| Des Moines | | 265.5 | 258.7 | 267.3 | 5.3 | 5.2 | 4.3 | 4.2 | 2.1 | 2.0 | 1.6 | 1.6 | |
| Dubuque | | 48.5 | 48.6 | 48.8 | 1.5 | 1.3 | 1.2 | 1.1 | 3.1 | 2.7 | 2.5 | 2.3 | |
| lowa City | | 65.9 | 63.6 | 64.9 | 1.7 | 1.6 | 1.7 | 1.6 | 2.5 | 2.4 | 2.6 2.7 | 2.4 2.3 | |
| Sioux City | | 67.0 | 65.8 68.7 | 66.8 70.1 | 2.1 2.4 | 1.7 2.6 | 1.8 2.0 | 1.5 3.6 | 3.2 3.5 | 2.5 3.8 | 2.7 | 5.2 | |
| Waterloo-Cedar Falls | 68.6 | 68.5 | 00./ | /0.1 | 2.4 | 2.0 | 2.0 | J.0 | J.3 | J 3.6 | 2.5 | ر ا ا | |

STATE AND AREA LABOR FORCE DATA NOT SEASONALLY ADJUSTED

C-3. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

| | | Civilian labor force | | | | Unemployed | | | | | | | | |
|--|---------|----------------------|------------------|------------------|-------------|-------------|--------------|--------------|------------|------------|-------------|--------------|--|--|
| State and area | | OWINGIA | 1001 10100 | | | Nui | mber | | | Percent of | labor force | - | | |
| State and area | Ju | ine | July | | June | | July | | June | | July | | | |
| | 1998 | 1999 | 1998 | 1999p | 1998 | 1999 | 1998 | 1999P | 1998 | 1999 | 1998 | 1999 | | |
| | 1 | | | | | | | | | | | | | |
| (ansas | | 1,473.2 | 1,436.9 | 1,473.0 | 58.8 | 50.7 | 54.9 | 46.8 | 4.1 | 3.4 | 3.8 | 3.2 | | |
| Lawrence | | 53.8 | 53.7 | 53.7 | 3.0 | 2.2 | 2.6 | 2.1 | 5.5 | 4.2 | 4.9 | 3.9 | | |
| Topeka Wichita | | 93.7 299.3 | 92.7 292.7 | 94.5 301.2 | 3.9 9.8 | 2.9 11.3 | 3.6 8.9 | 2.8 11.1 | 4.2 3.4 | 3.1 | 3.9 3.0 | 2.9 | | |
| | | | | 001 | 5.5 | '' | 0.5 | .,., | 0.4 | 0.0 | 0.0 | 0.7 | | |
| Centucky | | 1,997.6 | 1,958.1 | 1,994.6 | 96.9 | 92.6 | 87.4 | 80.7 | 4.9 | 4.6 | 4.5 | 4.0 | | |
| Lexington | | 262.8 | 254.9 | 262.4 | 6.1 | 5.6 | 5.3 | 5.7 | 2.4 | 2.1 | 2.1 | 2.2 | | |
| Louisville Owensboro | | 577.8 51.6 | 559.6 50.2 | 579.1 51.8 | 19.9 2.5 | 22.9 2.9 | 17.3 2.2 | 18.1 2.4 | 3.6 5.0 | 4.0 5.6 | 3.1 4.4 | 3.1 4.6 | | |
| Oweris0070 | | 31.0 | 30.2 | 31.0 | 2.3 | 2.5 | 2.2 | 2.4 | 3.0 | 3.0 | , | 4.0 | | |
| ouisiana | 2,124.5 | 2,090.7 | 2,123.2 | 2,099.4 | 147.1 | 110.9 | 141.5 | 111.5 | 6.9 | 5.3 | 6.7 | 5.3 | | |
| Alexandria | | 61.1 | 61.8 | 61.5 | 4.3 | 2.9 | 4.2 | 3.1 | 6.9 | 4.8 | 6.8 | 5.1 | | |
| Baton Rouge | | 310.9 | 304.3 | 311.9 | 17.3 | 13.2 | 16.3 | 13.6 | 5.7 | 4.2 | 5.3 | 4.4 | | |
| Houma Lafayette | | 96.9 183.5 | 98.7 186.4 | 97.6 184.5 | 3.8 12.0 | 4.2 10.7 | 3.5 10.8 | 4.2 10.4 | 3.8 6.4 | 4.4 5.9 | 3.5 5.8 | 4.3 5.6 | | |
| Lake Charles | | 91.8 | 94.8 | 92.6 | 5.7 | 5.0 | 5.6 | 5.1 | 6.1 | 5.5 | 5.9 | 5.5 | | |
| Monroe | 1 | 71.2 | 73.3 | 72.0 | 5.0 | 3.0 | 5.3 | 2.9 | 6.8 | 4.2 | 7.2 | 4.1 | | |
| New Orleans | | 623.5 | 636.4 | 629.0 | 38.0 | 28.6 | 35.6 | 29.7 | 6.0 | 4.6 | 5.6 | 4.7 | | |
| Shreveport-Bossier City | | 189.9 | 197.8 | 190.7 | 19.6 | 9.5 | 19.3 | 9.1 | 9.9 | 5.0 | 9.8 | 4.8 | | |
| Maino | 600.0 | 600.0 | 660 4 | 600.0 | 27.5 | 20.0 | 00.4 | 20.0 | 4.0 | | | 1 | | |
| Maine | | 682.8 50.6 | 668.1 48.9 | 690.3 51.2 | 27.5 1.4 | 28.3 1.3 | 23.1 1.2 | 22.9 1.1 | 4.2 3.0 | 4.1 2.6 | 3.5 2.4 | 3.3 | | |
| Lewiston-Aubum | | 52.9 | 51.1 | 52.6 | 2.3 | 2.2 | 2.2 | 1.8 | 4.5 | 4.2 | 4.3 | 3.4 | | |
| Portland | | 138.2 | 135.4 | 142.9 | 3.2 | 3.1 | 2.3 | 2.6 | 2.4 | 2.2 | 1.7 | 1.8 | | |
| | | | | | | | | | | | | | | |
| Maryland | | 2,848.3 | 2,818.6 | 2,885.2 | 139.6 | 114.1 | 133.0 | 111.5 | 5.0 | 4.0 | 4.7 | 3.9 | | |
| Baltimore | | 1,336.6 47.0 | 1,325.9 45.6 | 1,349.1 46.6 | 75.3 3.5 | 62.0 3.2 | 75.9 3.8 | 60.9 3.0 | 5.8 7.7 | 4.6 6.9 | 5.7 8.2 | 4.5 6.5 | | |
| Hagerstown | | 71.9 | 70.5 | 72.5 | 3.0 | 2.3 | 2.6 | 2.3 | 4.2 | 3.3 | 3.6 | 3.2 | | |
| • | | | | | | | | | | | | | | |
| Massachusetts | | 3,324.0 | 3,324.5 | 3,334.6 | 115.6 | 104.6 | 106.6 | 105.7 | 3.5 | 3.1 | 3.2 | 3.2 | | |
| Barnstable-Yarmouth | | 80.8 | 83.6 | 86.5 | 2.6 | 2.1 | 2.2 | 2.0 | 3.3 | 2.6 2.7 | 2.7 | 2.3 | | |
| Boston | | 1,837.5 | 1,842.4 132.1 | 1,846.5 133.9 | 54.7 5.4 | 49.9 4.9 | 50.3 5.1 | 50.4 5.1 | 3.0 4.1 | 3.6 | 2.7 3.9 | 2.7 3.8 | | |
| Fitchburg-Leominster | | 70.2 | 68.9 | 69.4 | 2.8 | 2.7 | 2.9 | 3.0 | 4.0 | 3.9 | 4.2 | 4.3 | | |
| Lawrence | | 202.5 | 199.5 | 200.9 | 9.8 | 9.2 | 8.7 | 8.7 | 4.9 | 4.5 | 4.4 | 4.3 | | |
| Lowell | | 169.7 | 165.5 | 169.1 | 5.9 | 5.8 | 5.7 | 5.8 | 3.5 | 3.4 | 3.4 | 3.5 | | |
| New Bedford | | 83.5 | 83.0 | 84.0 | 5.0 | 4.6 | 5.1 | 4.8 | 6.0 | 5.5 | 6.1 | 5.7 | | |
| Pittsfield | | 41.3 | 41.0 | 41.5 | 1.8 | 1.7 | 1.6 | 1.6 | 4.4 | 4.0 | 3.8 | 3.7 | | |
| Springfield Worcester | | 283.2 253.9 | 281.8 255.8 | 280.1 253.2 | 11.8 9.0 | 10.1 8.2 | 10.5 8.4 | 10.0 8.3 | 4.1 3.5 | 3.5 | 3.7 3.3 | 3.6 | | |
| Wordester | 257.2 | 255.5 | 200.0 | 200.2 | 3.0 | 0.2 | 0.4 | 0.0 | 0.0 | 3.2 | 3.5 | 3.3 | | |
| Michigan | | 5,154.6 | 5,087.6 | 5,161.0 | 203.9 | 205.4 | 255.9 | 215.7 | 4.0 | 4.0 | 5.0 | 4.2 | | |
| Ann Arbor | | 299.9 | 296.6 | 300.4 | 6.3 | 6.7 | 9.8 | 8.2 | 2.1 | 2.2 | 3.3 | 2.7 | | |
| Benton Harbor Detroit | | 83.9 2.304.9 | 83.3 2,270.2 | 84.5 2,305.8 | 4.2 87.9 | 3.7 86.3 | 3.7 108.5 | 3.5 104.2 | 5.1 3.8 | 4.4 3.7 | 4.4 4.8 | 4.2 4.5 | | |
| Flint | | 201.3 | 206.9 | 199.1 | 15.4 | 12.1 | 26.9 | 13.4 | 7.4 | 6.0 | 13.0 | 6.7 | | |
| Grand Rapids-Muskegon-Holland | | 621.0 | 601.3 | 621.3 | 19.5 | 22.7 | 22.1 | 20.9 | 3.2 | 3.7 | 3.7 | 3.4 | | |
| Jackson | | 78.5 | 77,7 | 78.0 | 3.0 | 2.9 | 3.0 | 2.7 | 3.8 | 3.7 | 3.8 | 3.5 | | |
| Kalamazoo-Battle Creek | | 232.7 | 233.0 | 234.7 | 8.4 | 8.9 | 8.8 | 8.8 | 3.6 | 3.8 | 3.8 | 3.8 | | |
| Lansing-East Lansing Saginaw-Bay City-Midland | | 240.1 203.9 | 239.8 200.4 | 240.5 203.1 | 6.7 8.2 | 6.8 9.1 | 15.3 12.9 | 6.1 7.7 | 2.8 4.0 | 2.9 4.5 | 6.4 6.4 | 2.5 3.8 | | |
| Saginaw-bay City-Midiand | 202.5 | 203.9 | 200.4 | 200.1 | 0.2 | 3.1 | 12.3 | /./ | 4.0 | 7.5 |] 0.4 |] 3.0 | | |
| Minnesota | | 2,762.6 | 2,715.7 | 2,772.8 | 77.8 | 81.6 | 58.2 | 73.4 | 2.9 | 3.0 | 2.1 | 2.6 | | |
| Duluth-Superior | | 128.1 | 128.8 | 128.7 | 6.0 | 5.5 | 4.5 | 4.5 | 4.6 | 4.3 | 3.5 | 3.5 | | |
| Minneapolis-St.Paul | | 1,719.2 | 1,698.9 | 1,737.2 | 39.4 | 42.5 | 29.6 | 39.0 | 2.3 | 2.5 | 1.7 | 2.2 | | |
| Rochester St. Cloud | | 72.8 94.2 | 71.6 93.3 | 74.0 95.0 | 1.4 3.0 | 1.6 3.0 | 1.0 2.3 | 1.4 2.5 | 2.0 3.2 | 2.2 3.2 | 1.4 2.4 | 1.9 | | |
| C. Cloud | | 54.2 | 55.5 | 55.5 | 5.0 | 3.0 | 2,3 | 2.5 | ٥.٤ | 0.2 | | 2.0 | | |
| Mississippi | | 1,288.3 | 1,280.9 | 1,292.9 | 80.1 | 70.8 | 71.5 | 63.9 | 6.3 | 5.5 | 5.6 | 4.9 | | |
| Biloxi-Gulfport-Pascagoula | | 173.5 | 167.4 | 174.1 | 8.0 | 6.5 | 6.8 | 5.7 | 4.8 | 3.7 | 4.0 | 3.3 | | |
| Hattiesburg | | 50.3 230.4 | 51.3 | 49.4 232.6 | 2.0 9.3 | 1.8 8.6 | 1.9 8.2 | 1.5 7.8 | 3.8 4.1 | 3.6 3.7 | 3.8 3.6 | 3.1 | | |
| Jackson | 227.0 | 230.4 | 228.2 | 232.0 | 9.3 | 0.0 | 0.2 | /.0 | 4.1 | 3.7 | 3.0 | 3.4 | | |
| Aissouri | 2,893.0 | 2,955.6 | 2,894.9 | 2,963.5 | 129.0 | 114.0 | 131.9 | 115.0 | 4.5 | 3.9 | 4.6 | 3.9 | | |
| Columbia | 82.9 | 82.1 | 84.0 | 83.3 | 1.5 | 1.3 | 1.3 | 1.4 | 1.8 | 1.6 | 1.6 | 1.7 | | |
| Joplin | | 83.8 | 83.3 | 83.7 | 3.7 | 3.0 | 3.3 | 3.5 | 4.3 | 3.6 | 3.9 | 4.1 | | |
| Kansas City | | 1,016.1 | 986.7 | 1,025.1 | 41.8 2.2 | 34.6 2.1 | 44.4 1.9 | 33.4 2.0 | 4.3 4.5 | 3.4 4.3 | 4.5 3.9 | 3.3 | | |
| St. JosephSt. Louis LMA | 1 | 1,374.7 | 50.1 1,337.0 | 50.4 1,385.6 | 63.7 | 58.6 | 68.3 | 58.1 | 4.5 4.8 | 4.3 | 5.1 | 4.2 | | |
| Springfield | | 172.0 | 162.6 | 1,363.6 | 5.5 | 4.8 | 4.6 | 4.5 | 3.4 | 2.8 | 2.8 | 2.7 | | |
| -, ··· | 1 | | | | | | | | | | | | | |
| Montana | | 478.7 | 480.8 | 487.6 | 26.1 | 22.8 | 24.1 | 20.7 | 5.5 | 4.8 | 5.0 | 4.2 | | |
| Billings | | 74.2 38.8 | 71.7 39.9 | 76.1 39.1 | 3.5 2.2 | 3.1 2.0 | 3.2 2.0 | 2.8 1.8 | 4.8 5.6 | 4.2 5.1 | 4.4 5.1 | 3.7 4.6 | | |
| | აი.ა | , 30.0 | , JJ.J | . 35.1 | 2.2 | 2.0 | 2.0 | 1.0 | 3.0 | 1 3.1 | | 7.0 | | |

C-3. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

| | | Civilian la | bor force | | Unemployed | | | | | | | | |
|-----------------------------------|--------------------|--------------------|--------------------|--------------------|---------------|---------------|---------------|---------------|------------|------------|-------------|--------------|--|
| State and area | _ | | | | | Nur | mber | | | Percent of | labor force | - | |
| State and area | June | ne | Ju | ıly | June | | July | | June | | July | | |
| | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999P | 1998 | 1999 | 1998 | 1999 | |
| | | | | | | | | | | : | | | |
| lebraska | 926.5 | 943.8 | 938.7 | 952.2 | 28.1 | 26.6 | 30.0 | 26.2 | 3.0 | 2.8 | 3.2 | 2.7 | |
| Lincoln | 141.9 | 148.6 | 143.6 | 150.1 | 3.8 | 3.5 | 3.7 | 3.5 | 2.6 | 2.4 | 2.6 | 2.3 | |
| Omaha | 388.4 | 398.1 | 391.4 | 401.5 | 11.1 | 10.5 | 10.8 | 10.0 | 2.9 | 2.6 | 2.8 | 2.5 | |
| levada | 928.5 | 964.6 | 936.0 | 969.1 | 48.5 | 45.4 | 45.3 | 41.5 | 5.2 | 4.7 | 4.8 | 4.3 | |
| Las Vegas | 702.5 | 740.5 | 707.9 | 745.7 | 35.6 | 35.8 | 34.7 | 33.8 | 5.1 | 4.8 | 4.9 | 4.5 | |
| Reno | 176.7 | 180.3 | 179.0 | 179.9 | 7.8 | 6.5 | 6.7 | 5.5 | 4.4 | 3.6 | 3.8 | 3.0 | |
| | 050.5 | | 000.4 | 606.4 | 100 | 17.6 | 15.8 | 15.0 | 2.9 | 2.6 | 2.4 | 2.5 | |
| Needbaster | 656.5 102.8 | 680.4 106.9 | 662.1 103.5 | 686.4 106.9 | 18.9 2.7 | 2.6 | 2.2 | 2.0 | 2.6 | 2.4 | 2.2 | 1.9 | |
| Manchester | 103.0 | 106.3 | 102.7 | 106.7 | 2.8 | 3.1 | 2.3 | 2.6 | 2.7 | 2.9 | 2.2 | 2. | |
| Portsmouth-Rochester | 124.1 | 127.7 | 126.8 | 130.3 | 3.0 | 2.6 | 3.1 | 2.8 | 2.4 | 2.1 | 2.4 | 2. | |
| | | | | | 407.0 | | 2424 | 000.0 | 4.7 | 4.0 | | _ | |
| lew Jersey | 4,199.2 | 4,298.1 | 4,210.4 | 4,321.3 188.8 | 197.0 13.9 | 211.3 13.5 | 213.4 13.8 | 229.6 13.4 | 4.7 7.7 | 4.9 7.3 | 5.1 7.4 | 5. 7. | |
| Atlantic-Cape May | 181.0 678.7 | 183.6 696.2 | 186.3 674.5 | 696.5 | 30.4 | 34.3 | 33.0 | 37.5 | 4.5 | 4.9 | 4.9 | 5.4 | |
| Bergen-Passaic Jersey City | 283.3 | 290.9 | 283.6 | 290.2 | 22.4 | 23.9 | 22.6 | 24.5 | 7.9 | 8.2 | 8.0 | 8. | |
| Middlesex-Somerset-Hunterdon | 635.7 | 653.5 | 635.8 | 655.7 | 21.1 | 22.5 | 24.4 | 25.8 | 3.3 | 3.4 | 3.8 | 3. | |
| Monmouth-Ocean | 528.5 | 545.4 | 537.3 | 554.9 | 22.0 | 23.2 | 24.7 | 25.7 | 4.2 | 4.3 | 4.6 | 4. | |
| Newark | 1,019.1 | 1,042.2 | 1,018.8 | 1,045.5 | 46.3 | 51.3 | 51.1 | 55.1 | 4.5 | 4.9 | 5.0 | 5. | |
| Trenton | 168.0 | 170.2 | 166.8 | 170.7 | 7.1 | 7.2 | 7.9 | 7.9 | 4.2 | 4.2 | 4.7 | 4. | |
| Vineland-Millville-Bridgeton | 66.0 | 66.1 | 65.2 | 65.5 | 6.0 | 6.0 | 6.2 | 6.1 | 9.1 | 9.0 | 9.5 | 9. | |
| lew Mexico | 841.2 | 849.1 | 839.1 | 840.4 | 62.0 | 62.1 | 54.9 | 53.7 | 7.4 | 7.3 | 6.5 | 6. | |
| Albuquerque | 364.3 | 368.4 | 363.3 | 365.7 | 20.4 | 19.3 | 18.6 | 17.0 | 5.6 | 5.2 | 5.1 | 4. | |
| Las Cruces | 68.2 | 69.2 | 66.7 | 66.8 | 6.8 | 7.0 | 5.7 | 5.7 | 9.9 | 10.1 | 8.5 | 8. | |
| Santa Fe | 75.5 | 76.1 | 76.7 | 76.2 | 3.0 | 2.6 | 2.6 | 2.4 | 3.9 | 3.4 | 3.4 | 3. | |
| lew York | 8,939.6 | 8,961.0 | 9,033.6 | 9,092.0 | 470.4 | 448.6 | 504.8 | 482.6 | 5.3 | 5.0 | 5.6 | 5. | |
| Albany-Schenectady-Troy | 457.3 | 456.3 | 458.7 | 458.0 | 15.1 | 14.4 | 14.3 | 14.9 | 3.3 | 3.2 | 3.1 | 3. | |
| Binghamton | 124.7 | 125.5 | 125.2 | 125.5 | 4.4 | 4.9 | 4.2 | 4.6 | 3.5 | 3.9 | 3.3 | 3. | |
| Buffalo-Niagara Falls | 580.7 | 579.7 | 587.5 | 585.0 | 29.4 | 30.9 | 41.5 | 32.5 | 5.1 | 5.3 | 7.1 | 5. | |
| Dutchess County | 118.7 | 122.2 | 119.6 | 122.6 | 3.8 | 3.9 | 3.6 | 3.9 | 3.2 | 3.2 | 3.0 | 3. | |
| Elmira | 45.5 | 45.6 | 45.4 | 45.3 | 1.9 | 2.1 | 1.7 | 2.1 | 4.2 | 4.7 | 3.8 | 4. | |
| Glens Fails | 63.7 | 63.6 | 65.4 | 64.9 | 2.8 | 2.4 | 2.4 | 2.2 | 4.3 | 3.8 | 3.6 | 3. | |
| Jamestown | 68.6 | 68.5 | 69.2 | 69.1 | 3.3 | 3.2 49.0 | 3.2 46.3 | 3.3 54.9 | 4.9 3.2 | 4.7 3.4 | 4.6 3.2 | 4. 3. | |
| Nassau-Suffolk | 1,423.1 4.097.4 | 1,451.2 4,073.8 | 1,428.2 4,152.1 | 1,460.1 4,167.1 | 45.4 280.6 | 247.7 | 303.6 | 277.6 | 6.8 | 6.1 | 7.3 | 6. | |
| New York | 3,439.4 | 3,404.0 | 3,487.3 | 3,489.0 | 258.6 | 224.2 | 281.8 | 253.0 | 7.5 | 6.6 | 8.1 | 7. | |
| Newburgh | 176.1 | 181.1 | 178.3 | 182.4 | 6.4 | 6.6 | 6.1 | 6.8 | 3.7 | 3.7 | 3.4 | 3. | |
| Rochester | 583.7 | 583.9 | 585.5 | 586.0 | 21.5 | 23.8 | 25.4 | 23.1 | 3.7 | 4.1 | 4.3 | 3. | |
| Syracuse | 365.9 | 368.2 | 368.3 | 370.3 | 13.7 | 14.6 | 13.3 | 14.5 | 3.7 | 4.0 | 3.6 | 3. | |
| Utica-Rome | 144.3 | 144.9 | 147.0 | 148.0 | 6.2 | 5.8 | 5.4 | 5.5 | 4.3 | 4.0 | 3.7 | 3. | |
| Levels Occasion | 3,816.9 | 3,876.1 | 3,863.6 | 3,924.1 | 140.5 | 114.7 | 138.8 | 124.4 | 3.7 | 3.0 | 3.6 | 3. | |
| Asheville | 109.9 | 110.8 | 110.6 | 112.7 | 3.1 | 2.3 | 3.1 | 2.5 | 2.8 | 2.0 | 2.8 | 2. | |
| Charlotte-Gastonia-Rock Hill | 752.5 | 766.8 | 765.1 | 781.6 | 22.9 | 19.2 | 22.7 | 21.6 | 3.0 | 2.5 | 3.0 |] 2. | |
| Favetteville | 113.2 | 115.9 | 112.3 | 114.7 | 5.4 | 4.2 | 5.1 | 4.5 | 4.8 | 3.6 | 4.5 | 3. | |
| Goldsboro | 48.2 | 48.4 | 48.0 | 48.9 | 2.2 | 1.8 | 2.3 | 1.9 | 4.6 | 3.7 | 4.7 | 3. | |
| GreensboroWinston-SalemHigh Point | 634.7 | 645.2 | 643.7 | 650.9 | 17.9 3.5 | 14.6 2.9 | 17.7 3.5 | 16.2 2.9 | 2.8 5.6 | 2.3 4.5 | 2.8 5.6 | 2. 4. | |
| Greenville | 62.2 168.2 | 64.3 172.4 | 62.7 170.2 | 63.4 175.2 | 3.5 4.8 | 3.3 | 3.5 4.4 | 2.9 3.7 | 2.8 | 1.9 | 2.6 | 2. | |
| Hickory-Morganton-Lenoir | 45.1 | 46.3 | 45.8 | 46.9 | 1.6 | 1.6 | 1.6 | 1.6 | 3.6 | 3.4 | 3.5 | 3. | |
| Raleigh-Durham-Chapel Hill | 619.4 | 643.3 | 631.5 | 653.8 | 12.0 | 9.5 | 12.0 | 10.4 | 1.9 | 1.5 | 1.9 | 1. | |
| Rocky Mount | 67.3 | 66.3 | 67.8 | 67.5 | 5.5 | 4.2 | 5.2 | 3.9 | 8.1 | 6.3 | 7.6 | 5. | |
| Wilmington | 107.9 | 109.9 | 108.4 | 110.5 | 4.5 | 3.4 | 4.4 | 3.5 | 4.1 | 3.1 | 4.1 | 3. | |
| lorth Dakota | 362.0 | 355.4 | 358.8 | 352.9 | 14.6 | 10.6 | 11.3 | 9.6 | 4.0 | 3.0 | 3.2 | 2. | |
| Bismarck | 56.5 | 56.3 | 55.7 | 55.4 | 2.0 | 1.4 | 1.5 | 1.1 | 3.5 | 2.6 | 2.7 | 2. | |
| Fargo-Moorhead | 105.0 | 103.9 | 104.9 | 103.9 | 2.1 | 1.9 | 1.6 | 2.0 | 2.0 | 1.8 | 1.5 | 1. | |
| Grand Forks | 54.3 | 53.7 | 54.3 | 53.5 | 2.0 | 1.4 | 1.7 | 1.5 | 3.7 | 2.7 | 3.1 | 2. | |
| Ohio | 5,717.3 | 5,902.1 | 5,770.3 | 5,951.3 | 250.9 | 265.0 | 275.1 | 268.1 | 4.4 | 4.5 | 4.8 | 4.: | |
| Akron | 354.9 | 369.2 | 360.5 | 375.0 | 14.3 | 15.5 | 13.5 | 15.8 | 4.0 | 4.2 | 3.7 | 4. | |
| Canton-Massillon | 200.9 | 211.3 | 203.0 | 213.3 | 8.7 | 10.4 | 7.2 | 9.3 | 4.3 | 4.9 | 3.6 | 4. | |
| Cincinnati | 846.8 | 885.3 | 850.9 | 892.6 | 32.1 | 32.4 | 26.1 | 29.0 | 3.8 | 3.7 | 3.1 | 3. | |
| Cleveland-Lorain-Elyria | | 1,149.1 | 1,121.4 | 1,155.5 | 48.0 | 53.2 | 49.4 | 49.5 | 4.3 | 4.6 | 4.4 | 4. | |
| Columbus | 816.1 | 846.3 | 824.9 | 854.3 | 24.0 | 24.5 | 19.8 | 21.8 | 2.9 | 2.9 | 2.4 | 2. | |
| Dayton-Springfield | 473.6 | 485.8 | 476.8 177.7 | 487.3 183.4 | 21.4 } 6.2 | 20.6 6.7 | 29.5 5.5 | 21.3 6.0 | 4.5 3.5 | 4.2 3.7 | 6.2 3.1 | 4. 3. | |
| Hamilton-Middletown | 177.3 74.0 | 181.9 76.8 | 177.7 74.4 | 183.4 77.9 | 3.3 | 6.7 3.7 | 5.5 3.4 | 3.8 | 3.5 4.4 | 3.7 4.8 | 3.1 4.6 | 4. | |
| Lima | 83.5 | 76.8 85.9 | 74.4 86.2 | 85.8 | 5.0 | 5.6 | 7.7 | 3.8 4.9 | 4.4 5.9 | 4.8 6.5 | 8.9 | 5. | |
| Steubenville-Weirton | 58.1 | 59.2 | 57.4 | 58.7 | 3.4 | 3.9 | 3.1 | 3.2 | 5.9 | 6.5 | 5.3 | 5. | |
| Toledo | 314.7 | 325.6 | 319.9 | 333.7 | 16.4 | 16.8 | 24.0 | 26.1 | 5.2 | 5.2 | 7.5 | 7. | |
| Youngstown-Warren | 285.9 | 292.8 | 291.7 | 295.9 | 16.2 | 15.9 | 30.0 | 18.2 | 5.7 | 5.4 | 10.3 | 6. | |

STATE AND AREA LABOR FORCE DATA NOT SEASONALLY ADJUSTED

C-3. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

| | | Civilian la | abor force | | Unemployed | | | | | | | | |
|---|------------|----------------|----------------|-------------------|--------------------------|--------------|--------------|--------------|-------------|--------------|-------------|-------------|--|
| State and area | | | | | | Nur | mber | | | Percent of | labor force | - | |
| State and area | Ju | ine | Jı | uly | Ju | ne | Ju | ıly | Ju | ne | Jı | ıly | |
| | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999P | 1998 | 1999 | 1998 | 1999 | |
| | | | l | | | | | | | | | | |
| Okiahoma | | 1,673.9 | 1,654.4 | 1,682.8 | 77.7 | 61.2 | 81.0 | 56.5 | 4.7 | 3.7 | 4.9 | 3.4 | |
| Enid | | 28.3 | 28.9 | 28.7 | 1.2 | 0.9 | 1.1 | 0.8 | 4.4 | 3.1 3.8 | 3.9 4.6 | 2.9 | |
| Lawton | | 42.0 544.6 | 42.1 549.4 | 42.2 | 2.1 | 1.6 15.4 | 2.0 28.4 | 1.4 14.4 | 5.1 3.9 | 2.8 | 4.0 5.2 | 2.6 | |
| Oklahoma City Tulsa | | 433.2 | 426.0 | 548.2 438.1 | 20.9 15. 6 | 14.1 | 13.8 | 14.4 | 3.9 | 3.3 | 3.2 | 3.2 | |
| Tuisa | 410.0 | 433.2 | 420.0 | 430.1 | 15.0 | 14.1 | 13.6 | 14.1 | 3.7 | 3.3 | 3.2 | 3.2 | |
| Pregon | 1,775.7 | 1,775.7 | 1,780.7 | 1,782.9 | 101.8 | 98.3 | 94.2 | 93.0 | 5.7 | 5.5 | 5.3 | 5.2 | |
| Eugene-Springfield | | 163.7 | 159.7 | 161.2 | 8.8 | 9.0 | 8.3 | 8.5 | 5.4 | 5.5 | 5.2 | 5.3 | |
| Medford-Ashland | | 88.9 | 86.9 | 88.2 | 6.4 | 6.1 | 5.8 | 5.7 | 7.2 | 6.8 | 6.7 | 6.4 | |
| Portland-Vancouver | | 1,056.6 | 1,057.9 | 1,067.3 | 46.6 | 47.9 | 46.0 | 46.6 | 4.5 | 4.5 | 4.3 | 4.4 | |
| Salem | . 174.2 | 173.9 | 172.7 | 175.0 | 9.9 | 10.5 | 8.8 | 9.9 | 5.7 | 6.0 | 5.1 | 5.6 | |
| ennsylvania | 5.989.5 | 6,049.9 | 6.044.6 | 6.091.5 | 275.0 | 259.5 | 290.3 | 271.7 | 4.6 | 4.3 | 4.8 | 4.5 | |
| Allentown-Bethlehem-Easton | | 319.3 | 314.4 | 320.0 | 14.1 | 13.0 | 15.2 | 13.4 | 4.5 | 4.1 | 4.8 | 4.2 | |
| Altoona | | 64.4 | 63.7 | 64.5 | 3.3 | 2.8 | 3.3 | 2.7 | 5.2 | 4.3 | 5.2 | 4.2 | |
| Erie | | 142.1 | 142.2 | 143.6 | 7.2 | 7.1 | 7.7 | 7.1 | 5.1 | 5.0 | 5.4 | 4.9 | |
| Harrisburg-Lebanon-Carlisle | | 357.2 | 357.7 | 360.8 | 11.0 | 12.0 | 10.8 | 12.4 | 3.1 | 3.4 | 3.0 | 3.5 | |
| Johnstown | . 104.0 | 103.0 | 104.9 | 104.2 | 7.0 | 5.3 | 6.9 | 6.0 | 6.7 | 5.2 | 6.6 | 5.7 | |
| Lancaster | . 245.2 | 246.1 | 248.2 | 249.2 | 7.6 | 6.7 | 7.4 | 6.9 | 3.1 | 2.7 | 3.0 | 2.8 | |
| Philadelphia | . 2,504.2 | 2,538.8 | 2,530.9 | 2,555.3 | 110.3 | 108.1 | 119.0 | 117.2 | 4.4 | 4.3 | 4.7 | 4.6 | |
| Pittsburgh | . 1,166.3 | 1,182.1 | 1,173.6 | 1,186.8 | 52.1 | 48.9 | 53.2 | 51.1 | 4.5 | 4.1 | 4.5 | 4.3 | |
| Reading | | 186.7 | 184.2 | 186.4 | 8.2 | 8.2 | 9.4 | 7.9 | 4.4 | 4.4 | 5.1 | 4.3 | |
| ScrantonWilkes-BarreHazleton | | 311.0 | 313.4 | 313.8 | 18.5 | 16.1 | 19.6 | 17.3 | 6.0 | 5.2 | 6.2 | 5.5 | |
| Sharon | | 57.5 | 58.2 | 57.6 | 2.5 | 3.3 | 2.9 | 3.4 | 4.4 | 5.8 | 4.9 | 5.9 | |
| State College | | 65.2 | 65.1 | 67.0 | 1.7 | 1.5 | 1.8 | 1.7 | 2.6 | 2.3 | 2.8 | 2.6 | |
| Williamsport | | 57.6 | 57.1 | 58.0 | 3.2 | 2.9 | 3.0 | 2.9 | 5.6 | 5.1 | 5.3 | 4.9 | |
| York | . 193.1 | 194.3 | 193.2 | 196.8 | 7.8 | 7.0 | 7.6 | 7.4 | 4.0 | 3.6 | 3.9 | 3.7 | |
| hode IslandProvidence-Fall River-Warwick | | 504.4 576.7 | 499.8 572.0 | 513.0 584.3 | 21.7 25.6 | 17.4 21.0 | 22.2 25.8 | 19.1 23.1 | 4.4 4.5 | 3.5 3.6 | 4.4 4.5 | 3.7 3.9 | |
| | 1 | ļ | | | | | | | | | _ | | |
| outh Carolina | | 2,038.5 | 2,015.1 | 2,027.3 | 82.8 | 86.7 | 94.9 | 84.5 | 4.1 | 4.3 | 4.7 | 4.2 | |
| Charleston-North Charleston | | 282.8 | 274.7 | 284.0 | 9.4 | 9.9 | 11.0 | 9.7 | 3.5 | 3.5 | 4.0 | 3.4 | |
| Columbia | | 293.7 | 285.4 | 294.4 | 6.8 | 7.2 | 7.2 | 6.6 | 2.4 | 2.4 | 2.5 | 2.3 | |
| Florence | | 65.3 | 65.0 | 63.6 | 3.5 | 4.1 | 3.6 18.0 | 3.2 17.5 | 5.4 3.1 | 6.3 3.2 | 5.5 3.6 | 5.0 3.4 | |
| Greenville-Spartanburg-Anderson Myrtle Beach | | 515.5 110.3 | 506.4 110.7 | 517.0 109.2 | 15.6 3.1 | 16.3 2.7 | 3.1 | 2.4 | 2.8 | 2.5 | 2.8 | 2.2 | |
| Sumter | | 48.5 | 47.6 | 47.5 | 2.6 | 2.5 | 2.7 | 2.9 | 5.3 | 5.2 | 5.7 | 6.0 | |
| | 1 | ì | 1 | ` | | | _ | | | | | | |
| outh Dakota | | 410.0 | 411.6 | 413.4 | 12.1 | 10.1 | 10.8 | 9.6 | 3.0 | 2.5 | 2.6 | 2.3 | |
| Rapid CitySioux Falls | | 48.5 104.5 | 49.3 101.9 | 49.2 106.2 | 1.2 1.7 | 1.0 1.5 | 1.0 1.4 | 0.9 1.4 | 2.4 1.7 | 2.1 1.4 | 2.0 1.4 | 1.9 1.3 | |
| Sloux Fails | .] 101.4 | 104.5 | 101.3 | 100.2 | 1.7 | 1.5 | 1.4 | 1.4 | 1.7 | 1.4 | 1.4 | 1.3 | |
| ennessee | | 2,830.8 | 2,799.3 | 2,843.4 | 124.5 | 101.0 | 122.4 | 104.8 | 4.5 | 3.6 | 4.4 | 3.7 | |
| Chattanooga | | 219.2 | 222.6 | 220.2 | 10.3 | 7.8 | 8.9 | 7.1 | 4.6 | 3.6 | 4.0 | 3.2 | |
| Clarksville-Hopkinsville | | 85.1 | 84.1 | 85.6 | 3.5 | 2.7 | 3.5 | 2.5 1.6 | 4.3 | 3.2 3.1 | 4.1 3.6 | 2.9 2.8 | |
| Jackson | | 57.4 226.8 | 57.3 225.1 | 57.9 226.2 | 2.4 10.7 | 1.8 10.1 | 2.1 10.3 | 9.3 | 4.2 4.7 | 4.4 | 3.6 4.6 | 4.1 | |
| Johnson City-Kingsport-Bristol Knoxville | | 351.9 | 353.7 | 354.6 | 11.3 | 9.3 | 12.1 | 9.3 | 3.2 | 2.7 | 3.4 | 2.8 | |
| Memphis | 1 | 576.2 | 561.4 | 579.2 | 23.3 | 19.6 | 21.4 | 18.4 | 4.2 | 3.4 | 3.8 | 3.2 | |
| Nashville | | 662.2 | 652.3 | 669.0 | 19.9 | 16.0 | 17.9 | 15.9 | 3.1 | 2.4 | 2.7 | 2.4 | |
| exas | . 10,263.3 | 10,477.3 | 10,300.6 | 10,460.7 | 582.2 | 568.2 | 541.4 | 508.5 | 5.7 | 5.4 | 5.3 | 4.9 | |
| Abilene | | 63.1 | 62.7 | 63.4 | 2.6 | 2.6 | 2.4 | 2.3 | 4.3 | 4.1 | 3.9 | 3.7 | |
| Amarillo | | 116.8 | 115.2 | 116.7 | 5.0 | 5.4 | 4.8 | 4.9 | 4.4 | 4.6 | 4.2 | 4.2 | |
| Austin-San Marcos | | 707.9 | 688.4 | 712.8 | 21.3 | 18.6 | 19.7 | 16.7 | 3.1 | 2.6 | 2.9 | 2.3 | |
| Beaumont-Port Arthur | 1 | 194.7 | 187.0 | 192.9 | 15.7 | 20.0 | 14.3 | 17.4 | 8.4 | 10.3 | 7.7 | 9.0 | |
| Brazona | | 108.8 | 108.1 | 108.1 | 8.0 | 8.9 | 7.3 | 8.1 | 7.4 | 8.2 | 6.8 | 7.5 | |
| Brownsville-Harlingen-San Benito | | 127.7 | 131.2 | 126.5 | 19.1 | 13.7 | 18.0 | 12.4 | 14.4 | 10.7 | 13.7 | 9.8 | |
| Bryan-College Station | . 70.3 | 72.7 | 72.1 | 74.0 | 1.6 | 1.7 | 1.4 | 1.5 | 2.2 | 2.3 | 2.0 | 2.1 | |
| Corpus Christi | | 182.4 | 181.8 | 182.1 | 15.0 | 13.8 | 13.6 | 13.2 | 8.3 | 7.5 | 7.5 | 7.3 | |
| Dallas | . 1,896.1 | 1,948.1 | 1,909.3 | 1,959.6 | 74.4 | 69.5 | 67.6 | 63.9 | 3.9 | 3.6 | 3.5 | 3.3 | |
| El Paso | | 297.5 | 293.5 | 294.4 | 33.2 | 32.4 | 33.1 | 28.0 | 11.3 | 10.9 | 11.3 | 9.5 | |
| Fort Worth-Arlington | | 922.2 | 901.3 | 923.9 | 34.8 | 33.1 | 36.6 | 30.1 | 3.9 | 3.6 | 4.1 | 3.3 | |
| Galveston-Texas City | | 128.4 | 127.0 | 126.6 | 10.3 | 10.2 | 9.0 | 9.0 | 8.0 | 8.0 | 7.1 | 7.1 | |
| Houston | | 2,213.0 | 2,181.4 | 2,212.1 | 107.0 | 119.8 | 97.6 | 108.5 | 4.9 | 5.4 | 4.5 | 4.9 | |
| Killeen-Temple | | 116.9 | 116.5 | 116.7 | 6.0 | 4.7 | 5.3 | 4.1 | 5.2 | 4.1 | 4.6 | 3.5 | |
| Laredo | | 76.7 | 73.8 | 75.5 | 7.8 | 7.9 | 7.0 | 6.6 | 10.6 | 10.3 | 9.5 | 8.8 | |
| Longview-Marshall | | 108.7 | 106.8 | 108.2 | 8.4 | 8.7 | 8.0 | 8.2 | 7.9 | 8.0 | 7.5 | 7.6 | |
| Lubbock | | 125.1 | 125.3 | 125.2 | 6.2 | 5.2 29.7 | 5.5 32.7 | 4.7 26.3 | 5.0 18.4 | 4.1 | 4.4 17.0 | 3.7 14.0 | |
| McAllen-Edinburg-Mission | | 194.8 | 191.9 | 188.8 129.5 | 36.5 | 13.6 | 32.7 7.6 | 11.7 | 18.4 6.1 | 15.2 10.4 | 5.8 | 9.0 | |
| Odessa-Midland | | 131.2 | 129.9 53.8 | 129.5 53.8 | 8.0 2.1 | 2.7 | 7.6 2.8 | 2.3 | 4.0 | 5.0 | 5.8 | 4.3 | |
| San Angelo | | 53.7 787.8 | 773.8 | 785.0 | 35.6 | 28.3 | 2.8 32.4 | 25.9 | 4.0 | 3.6 | 4.2 | 3.3 | |
| San Antonio | | 51.4 | 51.3 | 51.3 | 2.6 | 26.5 | 3.2 | 2.3 | 5.2 | 5.0 | 6.2 | 4.6 | |
| | | | | | 2.0 | | | | | | | | |
| Texarkana | . 57.4 | 57.9 | 57.0 | 57.2 | 4.9 | 3.4 | 4.3 | 2.9 | 8.5 | 5.8 | 7.6 | 5.1 | |

C-3. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

| | Civilian labor force | | | | Unemployed | | | | | | | | |
|-------------------------------------|----------------------|-----------------|-----------------|-------------------|--------------|--------------|--------------|-------------------|------------|------------|-------------|------------|--|
| Obata and area | | CIVIIIAIIIIA | DOI TOICE | | | Nur | mber | | | Percent of | labor force |) | |
| State and area | Ju | ne | Ju | ily | Ju | ne | Ju | ly | Ju | ne | Ju | uly | |
| | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999 ^p | 1998 | 1999 | 1998 | 1999 | |
| | | | | | | | | | | | | | |
| exas—Continued | | | | 44.0 | | | | | - 0 | | | 1 47 | |
| Victoria | 44.0 | 44.0 | 44.1 | 44.2 | 2.6 | 2.2 | 2.3 5.1 | 2.1 | 5.9 5.6 | 5.1 4.0 | 5.2 4.9 | 4.7 | |
| Waco Wichita Falls | 102.1 66.7 | 103.3 67.0 | 102.1 66.1 | 103.6 67.0 | 5.7 3.7 | 4.2 3.4 | 3.5 | 3.9 3.2 | 5.6 | 5.1 | 5.3 | 4.7 | |
| ltah | 1,070.7 | 1,120.7 | 1,076.1 | 1,117.4 | 48.4 | 43.3 | 44.1 | 38.6 | 4.5 | 3.9 | 4.1 | 3.5 | |
| Provo-Orem | 157.6 | 166.0 | 158.1 | 165.8 | 6.1 | 5.6 | 5.2 | 4.8 | 3.9 | 3.4 | 3.3 | 2.9 | |
| Salt Lake City-Ogden | 686.6 | 718.5 | 692.6 | 718.8 | 29.6 | 26.3 | 27.4 | 23.9 | 4.3 | 3.7 | 4.0 | 3.3 | |
| ermont | 329.1 | 339.2 | 332.4 | 342.1 | 10.0 | 9.1 | 10.0 | 9.5 | 3.0 | 2.7 | 3.0 | 2.8 | |
| Burlington | 98.7 | 101.1 | 99.4 | 103.5 | 2.1 | 1.8 | 2.2 | 2.0 | 2.1 | 1.8 | 2.2 | 2.0 | |
| irginia | 3,530.1 | 3,646.8 | 3,550.3 | 3,660.0 | 117.5 | 118.3 | 102.4 | 101.4 | 3.3 | 3.2 | 2.9 | 2.8 | |
| Charlottesville | 76.9 | 78.0 | 76.4 | 76.9 | 1.3 | 1.2 | 1.0 | 1.1 | 1.6 | 1.5 | 1.3 | 1.4 | |
| Danville | 57.9 | 58.2 | 56.0 | 56.5 | 4.1 | 4.9 | 3.5 | 3.9 | 7.0 | 8.4 | 6.3 | 7.0 | |
| Lynchburg | 102.4 | 104.8 | 103.1 | 104.8 | 3.1 | 2.6 | 3.1 | 2.3 | 3.0 | 2.5 | 3.0 | 2.2 | |
| Norfolk-Virginia Beach-Newport News | 746.4 | 767.0 | 748.0 | 769.6 | 30.6 | 29.7 | 25.4 | 27.3 | 4.1 | 3.9 | 3.4 | 3.5 | |
| Richmond-Petersburg | 510.7 | 527.6 | 511.0 | 531.1 | 15.8 | 14.9 | 13.4 | 12.6 | 3.1 | 2.8 | 2.6 | 2.4 | |
| Roanoke | 130.7 | 135.0 | 130.6 | 135.1 | 3.3 | 2.9 | 3.0 | 2.6 | 2.5 | 2.1 | 2.3 | 1.9 | |
| Vashington | 3,048.5 78.8 | 3,114.1 81.9 | 3,087.2 82.3 | 3,166.6 83.1 | 139.6 4.4 | 144.2 3.8 | 143.1 4.6 | 144.6 4.2 | 4.6 5.5 | 4.6 4.7 | 4.6 5.6 | 4.6 | |
| Bellingham | 91.1 | 93.5 | 92.1 | 95.3 | 4.8 | 4.8 | 4.8 | 4.8 | 5.2 | 5.1 | 5.2 | 5.1 | |
| Bremerton | 99.1 | 102.4 | 99.4 | 103.4 | 4.8 | 4.6 | 5.1 | 4.7 | 4.9 | 4.5 | 5.2 | 4.6 | |
| Richland-Kennewick-Pasco | 101.6 | 104.8 | 97.5 | 99.6 | 6.9 | 6.9 | 6.7 | 6.1 | 6.8 | 6.6 | 6.9 | 6.1 | |
| Seattle-Bellevue-Everett | 1,370.3 | 1,397.8 | 1,386.8 | 1,426.1 | 42.2 | 47.5 | 43.8 | 49.3 | 3.1 | 3.4 | 3.2 | 3.5 | |
| Spokane | 207.0 | 211.0 | 207.4 | 211.9 | 9.0 | 10.9 | 9.2 | 11,2 | 4.4 | 5.2 | 4.4 | 5.3 | |
| Tacoma | 330.2 | 336.2 | 334.7 | 343.2 | 15.3 | 15.3 | 15.5 | 15.8 | 4.6 | 4.6 | 4.6 | 4.6 | |
| Yakima | 124.5 | 127.4 | 123.3 | 124.0 | 10.9 | 11.1 | 11.0 | 10.1 | 8.8 | 8.8 | 8.9 | 8.1 | |
| Vest Virginia | 812.0 | 825.2 | 816.0 | 828.5 | 53.9 | 51.2 | 53.5 | 48.9 | 6.6 | 6.2 | 6.6 | 5.9 | |
| Charleston | 132.6 | 136.2 | 134.3 | 137.9 | 6.2 | 6.0 | 6.0 | 5.7 | 4.7 | 4.4 | 4.5 | 4.1 | |
| Huntington-Ashland | 137.6 | 142.1 | 135.5 | 141.5 | 9.5 | 9.7 | 7.7 | 8.6 | 6.9 | 6.8 | 5.7 | 6.1 | |
| Parkersburg-Marietta | 77.1 | 80.0 | 77.5 | 80.4 | 4.7 | 4.8 | 4.3 | 4.3 | 6.2 | 5.9 | 5.6 | 5.4 | |
| Wheeling | 73.8 | 75.7 | 74.9 | 76.5 | 4.1 | 4.0 | 3.4 | 3.4 | 5.5 | 5.3 | 4.5 | 4.4 | |
| Visconsin | | 3,022.4 | 3,026.0 | 3,029.4 | 106.4 6.9 | 93.3 5.9 | 108.9 5.7 | 88.9 5.0 | 3.5 3.0 | 3.1 2.6 | 3.6 2.5 | 2.9 | |
| Appleton-Oshkosh-Neenah | 227.8 | 228.2 84.1 | 228.7 84.1 | 228.8 84.3 | 2.8 | 2.6 | 2.3 | 2.2 | 3.4 | 3.1 | 2.8 | 2.6 | |
| Green Bay | 83.5 134.1 | 134.4 | 134.4 | 134.4 | 4.1 | 3.4 | 3.6 | 3.0 | 3.1 | 2.5 | 2.7 | 2.3 | |
| Janesville-Beloit | 81.3 | 80.5 | 85.0 | 80.0 | 3.5 | 2.9 | 11.6 | 4.8 | 4.3 | 3.6 | 13.6 | 6.1 | |
| Kenosha | 82.2 | 81.8 | 81.9 | 80.4 | 3.2 | 2.8 | 4.5 | 3.5 | 3.8 | 3.4 | 5.4 | 4.3 | |
| La Crosse | 72.0 | 72.7 | 71.7 | 73.0 | 2.1 | 2.2 | 1.8 | 1.9 | 3.0 | 3.0 | 2.5 | 2.6 | |
| Madison | 264.7 | 267.8 | 265.5 | 268.6 | 4.3 | 3.8 | 4.2 | 3.5 | 1.6 | 1.4 | 1.6 | 1.3 | |
| Milwaukee-Waukesha | 823.8 | 819.5 | 823.3 | 818.0 | 30.4 | 27.3 | 30.7 | 26.9 | 3.7 | 3.3 | 3.7 | 3.3 | |
| Racine | 96.1 | 95.4 | 95.9 | 95.7 | 4.0 | 4.3 | 4.9 | 4.7 | 4.1 | 4.5 | 5.1 | 4.9 | |
| Sheboygan | 63.5 | 62.9 | 63.1 | 63.1 | 1.6 | 1.4 | 2.0 | 1.6 | 2.5 | 2.2 | 3.2 | 2.5 | |
| Wausau | 74.9 | 75.8 | 75.2 | 75.9 | 2.7 | 2.2 | 2.3 | 2.0 | 3.7 | 2.9 | 3.1 | 2.6 | |
| Yyoming | 264.2 | 267.9 | 265.1 | 267.8 | 12.1 | 12.2 | 11.3 | 10.9 | 4.6 | 4.5 | 4.3 | 4.1 | |
| Casper | 33.5 39.5 | 34.4 39.8 | 33.3 40.0 | 34.4 40.5 | 1.7 1.4 | 1.9 1.3 | 1.7 1.3 | 1.6 1.3 | 5.2 3.4 | 5.5 3.2 | 5.1 3.2 | 4.7 3.1 | |
| | | | 1,316.9 | | 183.5 | 152.3 | 178.3 | 139.5 | 13.7 | 11.6 | 13.5 | 10.9 | |
| Puerto Rico | 1,341.0 | 1,315.4 | 1,316.9 | 1,284.5 48.9 | 9.9 | 8.3 | 9.9 | 7.6 | 18.6 | 16.5 | 18.9 | 15.6 | |
| Aguadilla | 53.2 | 50.1 53.9 | 52.5 51.7 | 48.9 51.4 | 8.9 | 6.9 | 9.9 8.6 | 7.6 6.4 | 16.6 | 12.8 | 16.6 | 12.5 | |
| Arecibo | 53.5 122.1 | 121.5 | 119.8 | 118.2 | 15.1 | 13.3 | 15.1 | 12.4 | 12.4 | 10.9 | 12.6 | 10.5 | |
| Caguas | 96.2 | 121.5 93.5 | 94.3 | 90.3 | 14.8 | 13.3 | 15.1 | 13.0 | 15.4 | 14.5 | 15.1 | 14.4 | |
| Mayaguez | 113.7 | 111.2 | 112.2 | 109.8 | 19.5 | 15.6 | 18.9 | 14.2 | 17.2 | 14.0 | 16.9 | 13.0 | |
| Ponce | 729.1 | 718.0 | 716.4 | 704.6 | 81.8 | 67.6 | 78.8 | 60.6 | 11.2 | 9.4 | 11.0 | 8.6 | |
| San Juan-Bayamon | 1 , 29.1 | , 10.0 | 7 10.4 | , 04.0 | 31.0 | 37.0 | / 0.0 | 00.0 | 11.2 | J.4 | 1 11.0 | ı | |

when new benchmark and population information becomes available.

 $^{
m p}$ = preliminary. NOTE: Data refer to place of residence. All estimates are provisional and will be revised

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 United States, 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 12th 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 payroll 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 Unemployment" 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; "Data" 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 1 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 self-employed 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 12th 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 full-time 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 men—particularly 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.
- Beginning in 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.

Also beginning in January 1998, 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.

 Beginning in January 1999, the population controls used in the survey were revised to reflect newly updated information on immigration. As a result, the civilian noninstitutional population 16 years and over was raised by about 310,000. The impact of the changes varied for different demographic groups. The civilian noninstitutional population for men 16 years and over was lowered by about 185,000 while that for women was increased by about 490,000. The Hispanic-origin population was lowered by about 165,000 while that of persons of non-Hispanic origin was raised by about 470,000. Overall labor force and employment levels were increased by about 60,000 each while the Hispanic labor and employment estimates were reduced by about 225,000 and 215,000, respectively. The changes had only a small impact on overall and subgroup unemployment rates and other percentages of labor market participation. An explanation of the changes and their effect on national labor force estimates appear in "Revisions in the Current Population Survey Effective January 1999" in the February 1999 issue of this publication.

Changes in the occupational and industrial classification systems

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 "sales 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 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 (SMSAs), 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 1990s. 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 (PSUs). 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 50 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 unemploy-

ment 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 (PSUs). In most States, a PSU consists of a county or a number of contiguous counties. 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 PSUs. Outside of metropolitan areas, counties normally are combined except when the geographic area of an individual county is too large. Combining counties to form PSUs 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 PSUs 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 PSUs in strata by themselves. These strata are self-representing and are generally the most populous PSUs in each State. The 326 remaining strata are formed by combining PSUs 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 households. 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 within-PSU 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 mobile 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 within-PSU 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 ad-

ditional 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.

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;

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

| Time period | Number of sample | Househo | Households visited | |
|---|--|--|--|--|
| Time period | areas | Interviewed | Not interviewed | but not eligible |
| Aug. 1947 to Jan. 1954 | 68 230 1330 2333 357 449 449 | 21,000 21,000 33,500 33,500 33,500 48,000 45,000 | 500-1,000 500-1,000 1,500 1,500 1,500 2,000 2,000 | 3,000-3,500 3,000-3,500 6,000 6,000 6,000 8,500 8,000 |
| Aug. 1972 to Dec. 1977 Jan. 1978 to Dec. 1979 Jan. 1980 to Apr. 1981 May 1981 to Dec. 1984 Jan. 1985 to Mar. 1988 Apr. 1988 to Mar. 1988 April 1989 to Oct. 1994 ³ Nov. 1994 to Aug. 1995 ⁴ Sept. 1995 to Dec. 1995 | 461 614 629 629 729 729 729 792 | 45,000 53,500 62,200 57,800 57,000 53,200 57,400 54,500 52,900 46,800 | 2,000 2,500 2,800 2,500 2,500 2,600 2,600 3,500 3,400 3,200 | 8,000 10,000 12,000 11,000 11,000 11,500 11,800 10,000 9,700 |

Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

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 PSUs rather

- $^{\rm 3}\,$ The sample was increased incrementally during the 8-month period, April-November 1989.
- 4 Includes 2,000 additional assigned housing units from Georgia and Virginia that were gradually phased in during the 10-month period, October 1994-August 1995.

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 PSUs 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 PSUs and 2) the race distribution of all PSUs (both 1 and 2 exclude self-representing PSUs).

- 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,
- 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 per-

Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

sonnel 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-to-month 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.

Table 1-B. Standard errors for major employment status categories

(In thousands)

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

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

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

| Characteristic | Monthly level | Consecutive- month 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 | | i |
| protective service | .38 | .45 |
| Precision production, craft, and repair | .34 | .40 |
| Machine operators, assemblers, and | | 1 |
| inspectors | .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 | .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 .15 | .50 .18 |
| Service-producing industries | .15 | 1 .18 |
| Transportation, communications, and | 40 | E0. |
| public utilities Wholesale and retail trade | .42 .27 | .50 .32 |
| Finance and services | .19 | .32 .23 |
| Government workers | .19 | .23 .25 |
| Agricultural wage and salary workers | 1.18 | 1.40 |
| Agricultural wage and salary workers | 1.10 | 1.40 |

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-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 quar-

terly 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, 1 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.

Use of tables 1-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 1-B and 1-C, refer to either tables 1-D and 1-E or tables 1-F and 1-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 1-D and 1-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 1-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-D. Standard errors for estimates of monthly levels (in thousands)

| | Characteristic | | | | | | | | | |
|-------------------------|--------------------------------------|----------------------------|--|---|---|---|---|---|---|---|
| | Agricultural employment | | Unemployment | | Labor force data other than agricultural employment and unemployment | | | | al | |
| Estimated monthly level | | | | | | | | | Hispa | anic origin |
| morally loves | Total or white | Black | Total or white | Black | Hispanic origin | Total | White | Black | Employed | Civilian labor force or not in labor force |
| 50 | 62 96 157 216 273 330 | 13 18 39 55 76 | 12 17 38 54 76 107 131 150 167 201 228 | 13 18 39 54 74 96 106 108 101 | 13 19 42 59 82 113 | 12 17 39 54 77 108 131 151 168 202 229 271 302 324 340 350 354 349 322 267 | 12 17 39 54 77 108 131 150 167 201 227 267 296 315 327 333 333 313 264 159 | 13 18 39 55 76 103 120 131 137 137 | 14 20 44 61 83 111 126 134 135 110 | 14 20 44 61 83 111 126 134 135 110 |

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

| | | Characteristic | | | | | | | | | |
|----------------------------|--|----------------------------|--|--|-----------------------------------|--|--|---|---|--|--|
| F. C. A. J. | Agricu emplo | ultural yment | Ur | nemploymer | nt | La | abor force dat employme | | n agricultur nployment | al | |
| Estimated monthly level | | | | | | | | | Hispa | anic origin | |
| Total or White Black | Black | Total or white | Black | Hispanic origin | Total | White | Black | Employed | Civilian labor force or not in labor force | | |
| 50 | 14 19 43 59 78 95 94 73 | 12 17 37 52 72 | 14 20 46 64 89 124 148 166 180 204 215 | 15 21 46 63 84 104 106 92 47 | 16 22 50 69 95 127 | 10 14 32 45 63 88 108 123 137 165 187 221 245 262 274 281 283 274 246 188 | 10 14 32 45 63 88 108 123 137 165 187 221 245 262 274 281 283 274 246 188 | 10 15 33 45 62 84 97 104 108 100 58 | 12 17 37 51 70 93 105 110 110 79 | 10 14 31 43 59 78 89 94 95 76 | |

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.

$$246,000 + \left(\frac{120,000,000 - 116,150,000}{120,000,000 - 100,000,000}\right) (274,000 - 246,000) \stackrel{\bullet}{=} 251,000$$

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 1-F and 1-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-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 part-time 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, s_x , of an estimated monthly level, x, can be obtained using the formula below, where a and b are the parameters from table 1-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 1-G.

$$s_x = \sqrt{ax^2 + bx}$$

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 1-F ("Unemployment: Total or white"). Use the formula to compute an approximate standard error on the estimate of 6,000,000.

$$a = -0.000017962 b = 2957.13$$

$$s_x = \sqrt{(-0.000017962)(6,000,000)^2 + (2957.13)(6,000,000)} = 131,000$$

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.

$$a = -0.000093662$$
 $b = 4191.84$ $s_x = \sqrt{-(0.000093662)(6,100,000)^2 + (4191.84)(6,100,000)} = 149,000$

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-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 b = 2529.99 from table 1-F ("Labor force and not-in-labor-force

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

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

¹ Excludes not-in-labor-force data.

data other than agricultural employment and unemployment: Total, Women"). Apply the formula to obtain:

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

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 p = 33 percent and y = 5,650,000. Next, obtain the parameter 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.

$$s_{y,p} = \sqrt{\frac{2690.59}{5.650.000}(33)(100-33)} = 1.0 \text{ percent}$$

It should be noted that the numerator of the percentage (part-time employed) determined the choice of correlation. 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-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 1-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-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

Table 1-G. Parameters for computation of standard errors for estimates of month-to-month change in levels

| Characteristic | a | b |
|---|--|--|
| Labor force and not-in-labor-force data other than agricultural employment and unemployment: | | |
| Total or white: Most characteristics High correlation characteristics¹ | -0.000012482 000009288 | 2001.12 1564.84 |
| Low correlation characteristics ¹ | 000016162 | 2550.56 |
| Men: Most characteristics High correlation characteristics Low correlation characteristics | 000022599 000016814 000058387 | 1921.13 1500.99 2668.56 |
| Women: Most characteristics Low correlation characteristics | 000021229 000059785 | 1689.99 2690.59 |
| Both sexes, 16 to 19 years | 000186555 | 2616.54 |
| Black: Most characteristics Low correlation characteristics | 000098960 001928030 | 2147.36 6513.82 |
| Men: Most characteristics Low correlation characteristics | 000234427 002881467 | 2280.03 5829.60 |
| Women: Most characteristics Low correlation characteristics | 000156363 002311407 | 1860.78 5420.13 |
| Both sexes, 16 to 19 years | 001288452 | 3131.77 |
| Hispanic origin: Total Civilian labor force and not in labor force Low correlation characteristics Men, civilian labor force and not in labor force Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years Women, 16 years and over and 20 years and over | 000157201 000102898 002624078 000248038 000398909 000338741 | 2774.53 1930.51 8620.43 2347.42 3615.62 2569.69 |
| Agricultural employment: | | |
| Total or white: Total Men Women or both sexes, 16 to 19 years | 000395757 000672985 .000130289 | 3838.04 3959.25 2367.00 |
| Black: Total or women Men or both sexes, 16 to 19 years | 000122355 019110769 | 2861.72 5876.77 |
| Hispanic origin: Total or women Men or both sexes, 16 to 19 years | .002872129 .002884390 | 4640.81 4028.10 |
| Self-employed | 000245791 | 2091.57 |
| Unemployment: ² | | |
| Total or white: Total, men, womenBoth sexes, 16 to 19 years and low correlation characteristics | 000093662 000071624 | 4191.84 5121.75 |
| Black: Total, men, women, and both sexes, 16 to 19 years High correlation characteristics | 000414217 .000048170 | 4361.16 3088.91 |
| Hispanic origin: Total, men, women Both sexes, 16 to 19 years and low correlation characteristics | 000252897 000996431 | 5054.25 7037.75 |

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.

formula for s_X to compute an approximate standard error for a monthly estimate of 11,600,000.

$$a = -0.000125300$$
 $b = 3139.26$

$$S_X = \sqrt{(-0.000125300)(11,600,000)^2 + (3139.26)(11,600,000)} = 140,000$$

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. 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

| | Factor | | | | | | |
|---|---|---------------------------|---------------------------------|---------------------------|---------------------------------|--|--|
| Characteristic | 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 1.30 1.30 1.40 | 0.92 .82 .78 .80 | 0.70 .84 .88 .80 | 0.79 .57 .49 .59 | 0.70 .70 .70 .70 | | |
| Unemployment: | | | | | | | |
| Total Part time Labor force and not-in-labor-force data other than agricultural employment: | 1.40 1.40 | .74 .67 | .88 .88 | .46 .42 | .65 .54 | | |
| Total or white | 1.30 1.30 1.30 1.30 1.30 | .87 .87 .87 .79 | .85 .84 .80 .88 .90 | .65 .65 .65 .54 | .70 .70 .70 .70 .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 at http:\\stats. bls.gov, the BLS Internet site.

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 geographic 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 service-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 12th 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 lump-sum 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 (CPI-W). 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) |
|--|--|---|
| | Month | ıly data |
| All employees | All-employee estimate for previous month multi- plied by ratio of all employees in current month to all employees in previous month, for sample es- tablishments which reported for both months. | Sum of all-employee estimates for component cells. |
| Production or nonsupervisory workers, women employees | 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 pay- roll 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 av | |
| All employees, women employees, and production or nonsupervisory workers | 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. |

¹The 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.

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.

²The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earn-

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 1960s. 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 regression-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 using 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 1988-98 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 1998 is listed as 150,000; this represents the average of bias adjustments made each month over the period April 1997 through March 1998. 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 1-month 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

Table 2-B. March employment benchmarks and bias adjustments for total private industries, March 1988-98 (In thousands)

| Year | Bench | mark | Average m | Over-the-year | |
|------|-------------------------|-----------------------|--------------------|-----------------------|-----------------------------------|
| | Employment ¹ | Revision ² | Added ³ | Required ⁴ | employment change ⁵ |
| 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 |
| 1998 | 103,965 | 85 | 150 | 157 | 2,925 |

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.

course of an inter-benchmark period, i.e., from April of the prior year through March of the given year.

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

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.

of the 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, S_1^2 and S_2^2 .

S 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 change =
$$\sqrt{s_1^2 + s_2^2 - 2 \rho s_1 s_2}$$

If
$$S_1 = S_2$$
, then:
 $\sqrt{2s_1^2(1-\rho)}$
S change =

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 volume of these corrections has often been quite large and had substantial effects on universe employment distributions at the industry levels, but effects on total nonfarm employment have been minimal. In 1999, BLS and its State partners completed a multi-year conversion to a new refiling schedule, which uses a random selection method to target one-third

Table 2-C. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1998

| | | Sample coverage ¹ | | | | |
|-------------------------------------|------------------|----------------------------------|----------------------------|----------------------------------|--|--|
| Industry | Bench- marks | | Employees | | | |
| | (thou- sands) | Number of establish- ments | Number (thou- sands) | Percent of bench- marks | | |
| Total | 124,050 | 304,495 | 42,498 | 34 | | |
| Mining | 592 | 2,853 | 212 | 36 | | |
| Construction | 5,474 | 24,798 | 994 | 18 | | |
| Manufacturing Transportation and | 18,805 | 51,168 | 8,287 | 44 | | |
| public utilities | 6,497 | ²15,925 | 2,071 | 32 | | |
| Wholesale trade | 6,742 | 23,106 | 1,072 | 16 | | |
| Retail trade Finance, insurance, | 21,724 | 56,653 | 4,469 | 21 | | |
| and real estate | 7,269 | 21,510 | 1,981 | 27 | | |
| Services Government: | 36,862 | 72,329 | 8,057 | 22 | | |
| Federal | 2,662 | ³ 7,566 | 2,662 | 100 | | |
| State | 4,702 | 8,140 | 4,004 | 85 | | |
| Local | 12,721 | 20,447 | 8,689 | 68 | | |

¹Counts 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. Hours and earnings estimates are derived from a sample.

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 62 percent of employment in Federal establishments.

Table 2-D. Current (March 1998) and historical benchmark revisions

(Numbers in thousands)

| Industry | | n 1998 rk revision | 10-year average mean percent revision | | |
|---|---|---|---|--|--|
| moustly | Level | Percent | Actual | Absolute | |
| Total | 44 | (') | 0.1 | 0.3 | |
| Total private | 85 | 0.1 | .1 | .3 | |
| Goods-producing | 91 | .4 | .2 | .7 | |
| Mining | 15 0 1 14 1 | 2.5 0 1.1 4.1 1.0 | 2 -1.9 7 .3 4 | 1.8 3.1 2.5 2.5 1.6 | |
| Nonmetallic minerals, except fuels Construction General building contractors Heavy construction, except building Special trade contractors | 15 -22 12 25 | .3 -1.7 1.7 .7 | 2 6 .9 2 | 1.1 2.4 2.1 1.0 | |
| Manufacturing | 61 | .3 | .3 | .7 | |
| Durable goods | 75 | .7 | .4 | .8 | |
| Lumber and wood products Furniture and fixtures Stone, clay, and glass products Primary metal industries Blast furnaces and basic steel products Fabricated metal products Industrial machinery and equipment Computer and office equipment Electronic and other electrical equipment Electronic components and accessories Transportation equipment Motor vehicles and equipment Aircraft and parts Instruments and related products Miscellaneous manufacturing Nondurable goods Food and kindred products Tobacco products Textile mill products Apparel and other textile products Paper and allied products Printing and publishing Chemicals and allied products Rubber and miscellaneous plastics products Leather and leather products | 9 7 1 0 -1 12 14 4 6 -6 11 1 9 7 -14 -18 0 1 -6 -7 -1 6 5 3 1 | 1.1 1.3 .2 0 4 .8 .6 1.0 .3 9 .6 .1 .2 1.0 1.8 2 -1.1 0 .2 8 -1.0 1 .6 3.6 .1 | .2 .5 .3 .1 .7 .4 .3 .3 .2 .4 1.0 1.2 .9 (1) .4 .2 .2 .2 .1 .3 .4 .2 .2 .1 .3 .4 .2 .1 | 1.8 1.1 .7 .7 .7 1.1 .6 1.0 1.3 .7 1.6 1.0 1.2 1.4 1.6 1.5 .7 .9 3.4 .9 1.4 .7 .8 .9 1.7 1.1 2.2 | |
| Service-producing | -47 | (1) | .1 | .3 | |
| Transportation and public utilities | 41 54 -1 5 31 -6 19 0 6 -13 -13 | .6 1.3 4 1.0 1.8 -3.5 1.6 0 1.3 6 9 | 2 4 -1.0 4 -1.6 .4 2.2 6 8 2 3 | 1.0 1.5 1.0 2.1 3.0 3.5 5.2 4.2 2.8 1.1 1.8 | |
| Wholesale trade | -2 -25 23 | (1) 6 .8 | 3 3 3 | 1.1 1.3 1.0 | |

See footnotes at end of table.

Table 2-D. Current (March 1998) and historical benchmark revisions—Continued

(Numbers in thousands)

| Industry | March 1998 benchmark revision | | 10-year average mean percent revision | |
|--|----------------------------------|----------------|--|----------|
| | Level | Percent | Actual | Absolute |
| Potail trade | -99 | -0.5 | 0.3 | 0.6 |
| Retail trade | -25 | -2.8 | 3 | 1.6 |
| Building materials and garden supplies | | -2.0 -2.1 | 1.8 | 2.9 |
| General merchandise stores | -55 | | | |
| Department stores | -29 | -1.3 | 2.5 | 3.4 |
| Food stores | -57 | -1.7 | 4 | .9 |
| Automotive dealers and service stations | -10 | 4 | -1.2 | 1.2 |
| New and used car dealers | -16 | -1.5 | <i>-</i> 1 <i>.</i> 0 | 1.0 |
| | | 3.1 | .9 | 1.4 |
| Apparel and accessory stores | 34 | | | |
| Furniture and home furnishings stores | -32 | -3.2 | 8 | 1.5 |
| Eating and drinking places | 77 | 1.0 | .9 | 1.3 |
| Miscellaneous retail establishments | -33 | -1.2 | 1 | 1.0 |
| Finance, insurance, and real estate | 56 | .8 | 2 | 1.2 |
| Finance | 34 | 1.0 | 6 | 1.3 |
| Depository institutions | 0 | 0 | -1.1 | 1.4 |
| Commercial banks | 8 | .5 | 5 | .9 |
| Cavingo institutions | -6 | -2.3 | -3.5 | 5.8 |
| Savings institutions | | 5.2 | 1.9 | 3.3 |
| Nondepository institutions | 33 | | | |
| Mortgage bankers and brokers | 33 | 10.7 | 2.9 | 5.9 |
| Security and commodity brokers | -3 | 5 | .2 | 1.1 |
| Holding and other investment offices | 5 | 2.1 | -3.0 | 4.8 |
| Insurance | 14 | .6 | .4 | 1.4 |
| | 11 | .7 | .5 | 1.6 |
| Insurance carriers | | .4 | .3 | 1.1 |
| Insurance agents, brokers, and service | 3 | 1 | 4 | 1.5 |
| Real estate | 8 | .6 | 4 | |
| Services ² | -2 | (1) | .1 | .6 |
| Agricultural services | -2 | 3 | 1.5 | 1.7 |
| Hotels and other lodging places | 5 | .3 | .7 | 1.2 |
| Personal services | 13 | 1.0 | .9 | 1.3 |
| Business services | 15 | .2 | .5 | 1.8 |
| Services to buildings | -23 | -2.5 | .4 | 1.3 |
| | 53 | 1.7 | 1.4 | 3.3 |
| Personnel supply services | | 1.2 | 1.9 | 2.9 |
| Help supply services | 34 | | | _ |
| Computer and data processing services | -4 | 3 | .5 | 2.5 |
| Auto repair, services, and parking | -15 | -1.3 | -1.3 | 1.6 |
| Miscellaneous repair services | -6 | -1.6 | -1.3 | 4.7 |
| Motion pictures | 8 | 1.4 | -1.6 | 3.8 |
| Amusement and recreation services | -66 | -4.6 | .3 | 3.1 |
| | | | 7 | .8 |
| Health services | -53 | 5 | | |
| Offices and clinics of medical doctors | -12 | 7 | 9 | 1.5 |
| Nursing and personal care facilities | 5 | .3 | 5 | .8 |
| Hospitals | -27 | 7 | 8 | .8 |
| Home health care services | -7 | -1.0 | 1.2 | 2.6 |
| Legal services | -9 | 9 | 9 | 1.0 |
| Educational services | -33 | -1.4 | .7 | 2.6 |
| | -33 12 | .5 | 3 | 1.5 |
| Social services | | 1 | | |
| Child day care services | 21 | 3.4 | -2.2 | 5.0 |
| Residential care | -4 | 5 | 2 | 1.3 |
| Museums and botanical and zoological gardens | 1 | 1.1 | 1.8 | 2.4 |
| Membership organizations | 91 | 3.9 | 2.4 | 3.0 |
| Engineering and management services | -54 | -1.7 | 1 | 1.5 |
| Engineering and management services | -3 4 -12 | -1.4 | 6 | 1.1 |
| Engineering and architectural services | | | | 1 |
| Management and public relations | -16 | -1.6 | .5 | 3.1 |
| Services, nec | -1 | -2.0 | 1,4 | 2.8 |
| Government | -41 | 2 | (1) | .3 |
| Federal | 0 | 0 | 0 | 0 |
| Federal, except Postal Service | ŏ | Ö | Ŏ | Ō |
| | - | 8 | 1 | .6 |
| State | -39 | | ۲ .۲ | |
| | -25 | -1.2 | .2 | 1.2 |
| Education | | | | |
| | -14 | 5 | .1 | .5 |
| Other State government | -14 -2 | | .1 (1) | .5 |
| | | 5 (1) .2 | 1 | |

¹Less than 0.05 percent.

² 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 |
| | 1 | | I |

¹ Relative errors were estimated with sample data from March 1994-March 1995.

Table 2-F. Relative standard errors¹ for estimates of employment, hours, and earnings by industry

(In percent)

| | | Average | Average |
|---------------------|------------|---------|--------------------|
| Industry | Employment | | 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 | .3 | .5 | 1.0 |
| Wholesale trade | .2 | .2 | .4 |
| Retail trade | .1 | .1 | .3 |
| Finance, insurance, | | | |
| and real estate | .2 | .2 | .7 |
| Services | .2 | .2 | .4 |
| | | | l |

¹Relative errors were estimated with sample data from March 1994-March 1995.

of all UI universe units for refiling in a given year. Previously, refiling procedures called for each major industry division to be refiled every third year. The refiling schedule refinement was made because of large benchmark revisions and corresponding distortions in over-the-year employment trend measurement for specific industries.

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 | Mean percent revision | | |
|--|-------------------------------|-----------------------|----------|--|
| | of monthly level ¹ | Actual | Absolute | |
| Total | 57,900 | 0 | 1.0 | |
| Total private | 47,800 | 0 | o | |
| oods-producing | 13,900 | 0 | 0 | |
| • | · | 0 | 0.2 | |
| Mining | 1,800 | -0.1 | .4 | |
| Metal mining | 300 | -0.1 | .6 | |
| Coal mining | 700 | .2 1 | .4 | |
| Oil and gas extraction | 1,700 | | .2 | |
| Nonmetallic minerals, except fuels | 300 | .1 | .2 | |
| Construction | 8,100 | .1 | .1 | |
| General building contractors | 4,100 | .1 | .3 | |
| Heavy construction, except building | 3,300 | .1 | .3 | |
| Special trade contractors | 5,000 | 0 | .1 | |
| Manufacturing | 9,500 | 0 | 0 | |
| · | 6,400 | 0 | 0 | |
| Durable goods | 1 | <u>-</u> | _ | |
| Lumber and wood products | 1,300 | .1 | .1 | |
| Furniture and fixtures | 1,200 | 0 | .2 | |
| Stone, clay, and glass products | 1,200 | 0 | .2 | |
| Primary metal industries | 1,700 | 0 | .2 | |
| Blast furnaces and basic steel products | 1,300 | 0 | .3 | |
| Fabricated metal products | 2,200 | 0 | .1 | |
| Industrial machinery and equipment | 2,600 | .1 | .1 | |
| | 1,800 | .3 | .4 | |
| Computer and office equipment | 2,200 | 0 | .1 | |
| Electronic and other electrical equipment | 1,400 | Ŏ | .2 | |
| Electronic components and accessories | 4,200 | Ŏ | .2 | |
| Transportation equipment | 1 | .1 | .3 | |
| Motor vehicles and equipment | 3,600 | • • • | .3 | |
| Aircraft and parts | 1,600 | 0 | | |
| Instruments and related products Miscellaneous manufacturing | 1,600 900 | 0 .1 | .1 | |
| Nondurable goods | 4,800 | 0 | .1 | |
| • | | 0 | | |
| Food and kindred products | 2,700 | | 1.0 | |
| Tobacco products | 500 | .6 | 1.0 | |
| Textile mill products | 1,200 | 0 | | |
| Apparel and other textile products | 2,700 | .1 | .2 | |
| Paper and allied products | 1,100 | 0 | .1 | |
| Printing and publishing | 1,700 | 0 | .1 | |
| Chemicals and allied products | 1,700 | 1 | -! | |
| Petroleum and coal products | 1,000 | 1 | .4 | |
| Rubber and miscellaneous plastics products | 1,400 | 0 | .1 | |
| Leather and leather products | 600 | 0 | .4 | |
| ervice-producing | 54,500 | 0 | 0 | |
| Transportation and public utilities | 9,800 | 1 | .1 | |
| Transportation | 9,400 | 1 | .2 | |
| Railroad transportation | 2,100 | 1 | .7 | |
| Local and interurban passenger transit | 3,700 | 2 | .5 .2 | |
| Trucking and warehousing | 5,800 | 1 | .2 | |
| Water transportation | 1,400 | 3 | .7 | |
| Transportation by air | 6,400 | 1 | .4 | |
| Pipelines, except natural gas | 200 | 2 | .7 | |
| Transportation services | 1,100 | 1 | .2 | |
| Communications and public utilities | 1 | ,1 | .1 | |
| | 3,800 | .1 | .2 | |
| Communications Electric, gas, and sanitary services | · | 0 | .1 | |
| Liverite, gao, and carman, controve infiliation | | 4 | .1 | |
| VAIIIII- | 7 600 | | | |
| Wholesale trade | 7,600 4,300 | .1 .1 | 1 | |

See footnotes at end of table.

Table 2-G. Errors of preliminary employment estimates—Continued

| Industry | Root-mean-square error | Mean percent revision | | |
|--|-------------------------------|-----------------------|----------|--|
| | of monthly level ¹ | Actual | Absolute | |
| Ontalidad de | 31,100 | 0 | 0.1 | |
| Retail trade | 2,800 | Ö | .2 | |
| Building materials and garden supplies | · | .1 | .5 | |
| General merchandise stores | 19,400 | | 1 | |
| Department stores | 18,500 | .1 | .6 | |
| Food stores | 5,800 | 0 | .1 | |
| Automotive dealers and service stations | 3,000 | 1 | .1 | |
| New and used car dealers | 1,200 | 1 | .1 | |
| Apparel and accessory stores | 5,700 | .1 | .4 | |
| Furniture and home furnishings stores | 3,100 | 0 | .2 | |
| Eating and drinking places | 9,400 | 0 | | |
| Miscellaneous retail establishments | 7,900 | .1 | .2 | |
| Finance, insurance, and real estate | 6,200 | 0 | .1 | |
| Finance | 3,800 | 0 | .1 | |
| Depository institutions | 2,500 | 1 | .1 | |
| Commercial banks | 2,100 | 1 | .1 | |
| Savings institutions | 1,100 | 1 | .3 | |
| Nondepository institutions | 1,500 | 0 | .2 | |
| | 1,100 | .1 | .4 | |
| Mortgage bankers and brokers | 1,100 | 0 | .2 | |
| Security and commodity brokers | | 0 | .5 | |
| Holding and other investment offices | 1,700 | - | .5 | |
| Insurance | 2,700 | 0 | 1 | |
| Insurance carriers | 2,400 | 0 | .1 | |
| Insurance agents, brokers, and service | 1,200 | .1 | .1 | |
| Real estate | 2,800 | 0 | .2 | |
| Services ² | 28,700 | 0 | .1 | |
| Agricultural services | 2,700 | .1 | .3 | |
| Hotels and other lodging places | 6,000 | .1 | .2 | |
| Personal services | 5,800 | 1 | .3 | |
| Business services | 12,300 | .1 | .1 | |
| Services to buildings | 2,500 | 0 | .2 | |
| Personnel supply services | 10,500 | .1 | .3 | |
| Help supply services | 10,300 | .1 | .3 | |
| Computer and data processing services | 2,800 | 0 | .2 | |
| Auto repair, services, and parking | 2,000 | Ō | .1 | |
| Miscellaneous repair services | 1,000 | Ö | .2 | |
| | 6,200 | .1 | .8 | |
| Motion pictures | | .2 | .5 | |
| Amusement and recreation services | 9,400 | .2 0 | .5 | |
| Health services | 5,500 | - | 1 .1 | |
| Offices and clinics of medical doctors | 2,500 | 0 | 1 1 | |
| Nursing and personal care facilities | 1,600 | 0 | .1 | |
| Hospitals | 3,300 | 0 | .1 | |
| Home health care services | 2,000 | .1 | .3 | |
| Legal services | 1,400 | 0 | .1 | |
| Educational services | 12,600 | .1 | .5 | |
| Social services | 9,700 | 0 | .3 | |
| Child day care services | 4,400 | .1 | .6 | |
| Residential care | 1,400 | 1 | .2 | |
| | 600 | | .5 | |
| Museums and botanical and zoological gardens | 3,200 | 0 | .1 | |
| Membership organizations | 1 | 0 | .1 | |
| Engineering and management services | 5,100 | · · | | |
| Engineering and architectural services | 2,300 | 1 | .2 | |
| Management and public relations | 3,400 | .1 | .3 | |
| Services, nec | 500 | .1 | .8 | |
| Government | 19,500 | 0 | .1 | |
| Federal | 8,300 | .1 | .2 | |
| Federal, except Postal Service | 7,600 | 0 | .3 | |
| State | 11,800 | 0 | .2 | |
| Education | 9,900 | 0 | .4 | |
| Other State government | 1 .' 1 | Ö | .1 | |
| | 16,800 | Õ | 1 .1 | |
| Local | 14,200 | 0 | .1 | |
| Education | 11,300 | 0 | .1 | |

¹ 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.

NOTE: Errors are based on differences from January 1994 through December 1998.

² Includes other industries, not shown separately.

Region, State, and Area Labor Force Data ("C" tables)

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMAs), 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 LMAs, 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 sub-State 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 LMAs, 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 LMAs 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 LMAs 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-11 ARIMA* (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method* by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, 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 January-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 components-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 1996, with the release of the March 1995 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 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 variation 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.

Effective with the release of the March 1997 benchmarks, seasonally adjusted series for employment, hours, indexes of aggregate hours, and earnings of production or nonsupervisory workers from 1989 forward incorporate refinements to the seasonal adjustment process to correct for distortions related to the method of accounting for the varying length of payroll periods across months—a calendar effect.

REGARIMA modeling also is used to indentify, measure, and remove this calendar effect for the publication level seasonally adjusted hours and earnings series.

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 (usually the most recent 5 years) 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 higher 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.

The standard procedure for seasonal adjustment for the local education employment series was improved with the 1997 benchmark. In the past, the seasonal factors for this industry were derived using the standard seasonal adjustment procedure of a logarithmic transformation of the data as input for the multiplicative decomposition of the series. However, in recent years, the forecasted seasonal factors have failed to adequately reflect the changing behavior of this industry in the summer months. The factors for this industry are now derived using a square-root transformation of the data as input for an additive decomposition of the series. These modifications produce seasonal factors that better reflect current industry seasonal patterns. However, the annual averages of seasonally adjusted and unadjusted series will not be equal.

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. 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.

Revised seasonally adjusted national establishment-based series based on the experience through March 1999, new seasonal adjustment factors for March-October 1999, and a description of the current seasonal adjustment procedure appear in the June 1999 issue of *Employment and Earnings*. Revised factors for the September 1999-April 2000 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 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.

INDEX TO STATISTICAL TABLES

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.

| Topic | Monthly | | Quarterly averages | | |
|--|------------------------|-------------------------------|------------------------|-------------------------------|---|
| | Seasonally adjusted | Not seasonally adjusted | Seasonally adjusted | Not seasonally adjusted | Annuał averages |
| Absences from work | | | | | 44-45 |
| Aggregate weekly hours (index) Agricultural industries | B-9 A-1-3, 7, 11 | A-15, 21-22, 30, 35 | D-1, 5, 9 | D-12-15 | A-1-2; 1-2, 5-6, 12-13, 15, 17-18, 26, 32 |
| At work | A-7 | A-23-27 | D-5 | | 19-23 |
| Class of worker | A-7 | A-22 | D-5 | D-14-15 | 12-13, 15-16 |
| Diffusion index | B-6 | | | | • |
| Discouraged workers | | A-36 | ! ! | | 35 |
| Earnings, hourly | B-11 | B-2, 15-18 | 1 | | B-2, 15-17; 50; 2 |
| Earnings, weekly | B-11 | B-2, 15, 15a 17-18 | | D-20-22 | B-2, 15, 17; 37-39, 50; 2 |
| Educational attainment | A-5 | A-16, 17 | D-3 | | 7 |
| Age | A-3-4, 6, 8 | A-14-16, 18, 22 | D-1-2, 4, 6 | D-12-13, 16 | 3-6, 8-9, 14-15 |
| Hispanic originIndustry | A-4 B-3-5, 7 | A-16-17 A-21; B-12-14 | D-2 | D-12-16 | 4-7, 11-13, 18 B-1, 12-13; |
| | İ | | | | 16-18; 48; 1 |
| Occupation | A-7 A-4 | A-19-21 A-14-18, 20 | D-5 D-2 | D-14-15 D-12, 14, 16 | 9-13, 17 3, 5, 7-8, 10-12, |
| Sex | A-2-4, 6-8; B-4 | A-14-20, 22; B-13 | D-1-2, 4-6 | D-12-16 | 14, 17-18 B-13; 2-18 |
| Full-time workers | A-6 | A-18, 33 | D-4 | D-14-15 | 8, 12-13, 30 |
| Historical data | | 1 | | | A-1-2; B-1-2; 1-2 |
| Hours of work | B-8-10 | A-23-27; B-2, 15, 18 | | | B-15; 19-23, 50; |
| Jobsearch methods | | 1 | | | 33-34 |
| Marital status | A-7, 11 | A-26, 28, 34 | D-5, 9 | | 24, 31 |
| Multiple jobholders | | A-37 | | | 36 |
| Nonagricultural industries | A-1-3, 7 | A-15, 22 | D-1, 5 | | A-1-2; 1-2, 5-6, 12-13, 15 |
| Not in the labor force | 1 4 6 | A-36 | D-4 | D-14-15 | 35 8, 12-13 |
| Part-time workers Production or nonsupervisory | A-6 | A-18 | D-4 | D-14-15 | · |
| workers | B-5, 8-9, 11 | B-12, 15-18 | | | B-12, 15-17; 49-50 |
| School enrollment | B-7; C-1-2 | A-16 B-14, 18; C-3 | | | 1-3 |
| Age | A-3-4, 6, 9-10 | A-14-16, 18, 28 31-32, 34 | D-1-2, 7-8 | D-12-13, 17 | 3-6, 8, 24, 27, 29 33 |
| Duration | A-13 | A-32-35 | D-11 | D-19 | 29-32 |
| Hispanic origin | A-4 | A-16-17 | D-2 | D-12-13, 17-19 | 4-7, 28 |
| Industry of last job | A-11 | A-30, 35 | D-9 | . | 26, 32 |
| Occupation of last job | A-11 | A-29, A-35 | D-9 | | 25, 32 |
| Race | A-4 | A-14-18, 28 31, 34 | D-2 | D-12, 17-21 | 3, 5, 7-8, 24, 28, 31, 33 |
| Reason | A-12 | A-31-32 | D-10 | D-18 | 27-29 |
| Sex | A-2-4, 6, 9-10 | A-14-18, 28- 32, 34 | D-1-2, 7-8 | D-12-13, 17 | 2-8, 24, 25-27, 29 31, 33-35 |
| Union affiliationVeterans, Vietnam-era | | A-38 | | D-23-24 | 40-43 46-47 |