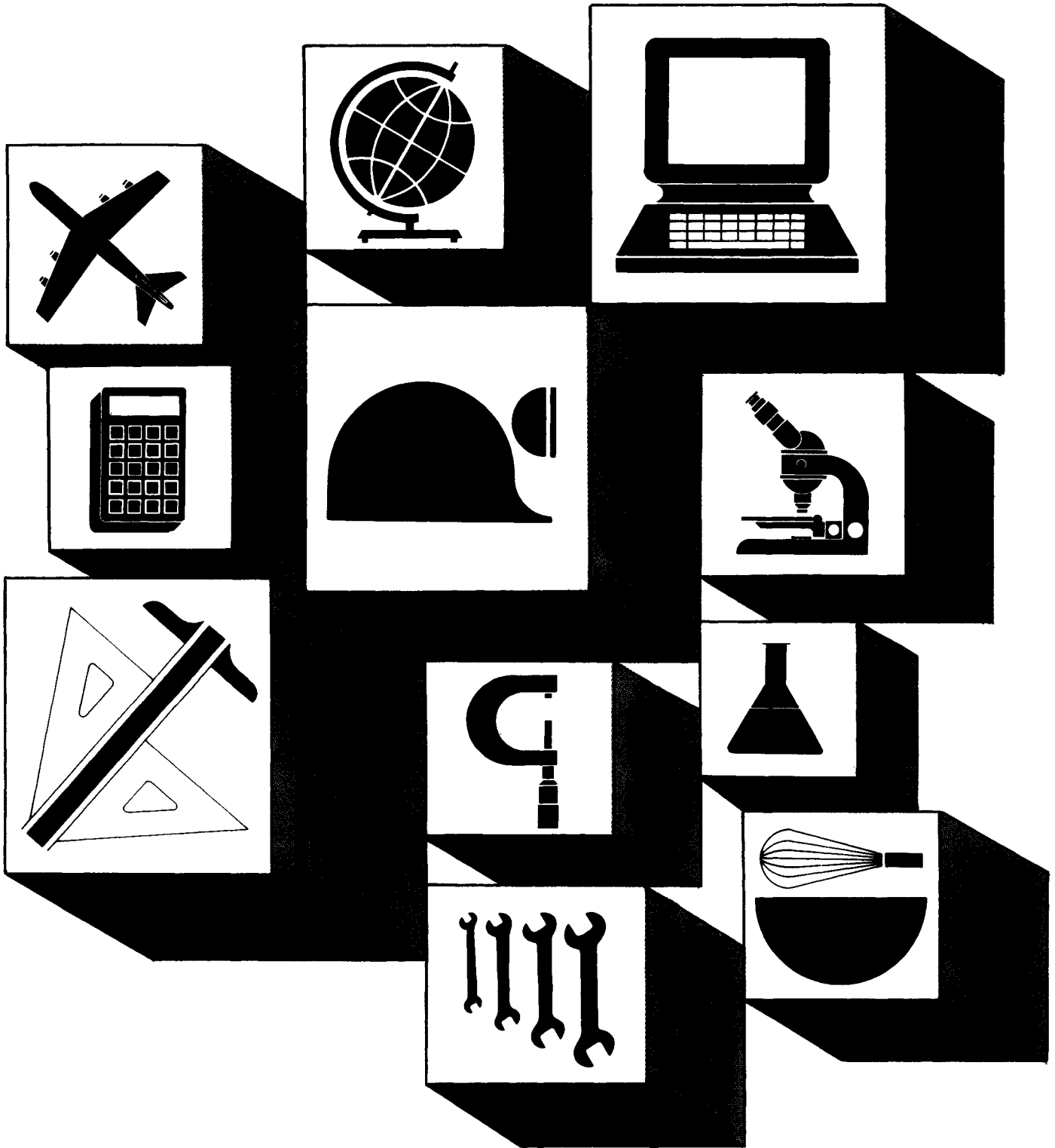


# EMPLOYMENT AND EARNINGS

U.S. Department of Labor  
Bureau of Labor Statistics  
December 1991





## U.S. DEPARTMENT OF LABOR

Lynn Martin, Secretary

### BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

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## Calendar of Features

In addition to the monthly data appearing regularly in *Employment and 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., Feb.

Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, family relationship data, weekly earnings data, and metropolitan-nonmetropolitan and poverty-nonpoverty area data  
Jan., Apr., July, Oct.

### Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employees (final)	Mar.
National data revised to reflect new benchmarks and new seasonal adjustment factors	June
Revised historical national data	Supplement <sup>1</sup>
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual averages	May
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<sup>1</sup> The latest supplement was published in July 1991.

# Employment and Earnings

Vol. 38 No. 12 December 1991

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Editors: Gloria Peterson Green, Eugene H. Becker

## Editors' Note

In accordance with usual practice, the January issue of this publication will incorporate revisions in seasonally adjusted unemployment and other labor force series derived from the household survey. Seasonally adjusted data for the most recent 5 years are subject to revision each year.

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# Employment and Unemployment Developments, November 1991

The Nation's labor market weakened in November, as the number of workers on employers' payrolls fell. There were large employment declines in construction, partly due to severe weather conditions, and pre-holiday hiring in retail trade fell far short of its normal levels. The unemployment rate remained at 6.8 percent in November and has changed little since March.

## Unemployment

The unemployment situation was again virtually unchanged in November. The unemployment rate, 6.8 percent, was the same as in October, remaining 1.3 percentage points higher than when the recession began in July 1990. The number of persons unemployed, 8.5 million in November, was 1.7 million higher. (See table A-33.)

There was also very little month-to-month change in unemployment within the major population groups. The jobless rate for adult men was 6.3 percent and that for adult women was 5.9 percent, not significantly different than in October. Since mid-year, the rate for adult men has receded a bit, while the women's rate has been on a slow upswing. The teenage unemployment rate was 18.5 percent in November, also little changed from the prior month. The jobless rate for white workers was 6.1 percent, the rate for blacks was 12.1 percent, and the rate for persons of Hispanic origin was 10.2 percent. The number of persons unemployed for more than 6 months increased by 180,000 to 1.3 million. (See tables A-33, A-34, and A-40.)

## Total employment and the labor force

Total employment edged down by about 200,000 in November. At 117.0 million, employment was about 1.1 million less than when the recession started. The proportion of the working-age population with jobs (the employment-population ratio) was 61.3 percent, about a point and a half below its level in July 1990. (See table A-33.)

The number of persons in the labor force also edged down in November to 125.3 million, seasonally adjusted, and was only 575,000 above its year-earlier level. In contrast, during the 1980's, labor force growth averaged nearly 2 million per year. The labor force participation rate (which represents the proportion of the working-age population either employed or actively seeking employment) declined in November to 65.8 percent. The rate for whites has changed little over the past year, while black participa-

tion has trended downward. This decline was particularly pronounced for black youth. (See tables A-33 and A-34.)

## Industry payroll employment

Nonfarm payroll employment showed a seasonally adjusted decline of about 240,000 in November, erasing the job gains that had occurred in recent months. Large job losses occurred in construction and retail trade. A portion of the overall decline was attributable to the normal semi-annual updating of the factors used in seasonally adjusting the data.

The number of construction jobs fell by 95,000, seasonally adjusted, as continued weakness in the industry was compounded by severe weather conditions in some parts of the country. Employment in manufacturing edged down for the third month in a row. The November decline was concentrated in durable goods industries, especially industrial machinery (in which 8,000 were out on strike) and primary and fabricated metals. In contrast, the number of jobs in auto manufacturing rose, offsetting declines in the prior 2 months. (See table B-4.)

Employment in retail trade fell by 110,000, as the level of pre-holiday hiring in department stores and specialty shops was well below that in recent years and seasonal declines in eating and drinking places were greater than normal. Wholesale trade employment continued to edge down. Over the past 16 months, the number of wholesale trade jobs has declined by nearly 200,000.

Following 3 months of fairly strong gains, employment growth in the services industry moderated in November. Continued growth in health services was just about offset by losses in business and other services.

## Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls edged up 0.1 hour in November to 34.4 hours. The manufacturing workweek was unchanged at 40.9 hours, while factory overtime rose slightly to 3.8 hours. Both the workweek and overtime in factories continued to be high by recent standards. (See table C-5.)

The index of aggregate weekly hours of private production or nonsupervisory workers edged down by 0.1 percent to 121.4 (1982=100) in November, seasonally adjusted. The manufacturing index was also down by 0.1 percent to

102.5. Both decreased by more than 1 percent over the past year. (See table C-6.)

**Hourly and weekly earnings**

Average hourly earnings of private production or non-supervisory workers rose 0.4 percent in November after

seasonal adjustment. Average weekly earnings increased by 0.7 percent. Before seasonal adjustment, average hourly earnings edged up 2 cents to \$10.46, while average weekly earnings fell by 36 cents to \$358.78. Over the year, both average hourly and weekly earnings rose by 3.0 percent. (See tables C-1 and C-7.)

<b>Scheduled Release Dates</b>			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
December	January 10	March	April 3
January	February 7	April	May 8
February	March 6	May	June 5

# New Seasonal Adjustment Factors for the Establishment Data Series

Mary Lee Seifert

The Bureau of Labor Statistics computes and publishes projected seasonal adjustment factors twice a year for use in seasonally adjusting establishment-based employment, hours, and earnings data. Tables 1-6 present factors for all published series for the 6-month period November 1991 through April 1992. The annual revision of historical seasonally adjusted data will not occur until June 1992, with the release of the new benchmarks and the next semi-annual update of seasonal adjustment factors, which will cover May through October 1992.

The seasonal factors provided in this issue were derived using data from January 1981 through October 1991. For a few series characterized by a small seasonal component relative to the trend-cycle and/or irregular components, seasonally adjusted data are not published. These series

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are identified in tables 2, 4, and 6.

Seasonal adjustment factors are computed and applied at component levels, which for published series are generally the 2-digit SIC level in manufacturing and major division levels elsewhere. Seasonally adjusted totals are arithmetic aggregations for employment series and weighted averages of the seasonally adjusted data for hours and earnings series.

Seasonal adjustment factors for all establishment-based series are computed using the X-11 ARIMA procedure. A general description of this procedure and the moving-holiday adjustment applied to many hours series appears in the January 1991 issue of this publication, in the article entitled "Revision of Seasonally Adjusted Labor Force Series." Additional information on the procedure is available in the June 1991 issue of this publication in the article "BLS Establishment Estimates Revised to March 1990 Benchmarks."



**Table 1. Seasonal adjustment factors for employees on nonfarm payrolls by industry**

Industry	1991		1992			
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Total<sup>1</sup></b>						
<b>Mining<sup>2</sup></b> .....	100.8	100.1	98.3	97.8	98.1	99.0
Oil and gas extraction .....	100.8	100.7	99.5	99.1	98.5	98.8
<b>Construction</b> .....	102.7	98.7	91.6	90.3	91.9	96.4
General building contractors .....	101.9	99.7	94.0	92.7	93.6	95.9
<b>Manufacturing<sup>1</sup></b>						
<b>Durable goods<sup>1</sup></b>						
Lumber and wood products .....	100.1	99.1	97.6	96.7	97.1	98.0
Furniture and fixtures .....	101.1	100.8	100.0	99.6	99.6	99.6
Stone, clay, and glass products .....	101.2	99.3	96.6	96.3	97.4	99.2
Primary metal industries .....	100.1	100.2	99.9	99.6	99.7	99.7
Blast furnaces and basic steel products .....	100.0	100.2	100.1	99.5	99.5	99.4
Fabricated metal products .....	100.7	100.6	99.4	99.2	99.3	99.4
Industrial machinery and equipment <sup>2</sup> .....	99.9	100.3	100.1	100.2	100.1	100.0
Electronic and other electrical equipment .....	100.5	100.3	99.8	99.5	99.5	99.5
Transportation equipment .....	100.3	100.6	98.8	98.8	99.0	99.8
Motor vehicles and equipment .....	100.2	100.8	96.7	97.2	97.9	99.8
Instruments and related products .....	100.1	100.4	99.8	99.8	99.8	99.8
Miscellaneous manufacturing .....	101.7	99.6	98.3	99.0	99.4	99.3
<b>Nondurable goods<sup>1</sup></b>						
Food and kindred products .....	100.8	99.4	97.3	96.9	96.6	96.7
Tobacco products .....	103.7	107.1	105.4	102.6	97.7	92.9
Textile mill products .....	100.5	99.9	99.6	99.4	99.3	99.5
Apparel and other textile products .....	100.9	100.1	99.1	99.7	99.7	99.9
Paper and allied products .....	100.0	100.1	99.5	99.4	99.4	99.3
Printing and publishing .....	100.4	100.6	100.1	100.0	100.0	100.0
Chemicals and allied products .....	99.7	99.9	99.5	99.7	99.8	99.7
Petroleum and coal products .....	100.5	98.8	97.2	97.1	97.8	99.0
Rubber and misc. plastics products .....	100.4	100.2	99.4	99.3	99.3	99.6
Leather and leather products .....	100.9	99.5	98.8	99.2	99.2	99.3
<b>Transportation and public utilities<sup>1</sup></b>						
Transportation .....	101.4	101.6	98.6	98.3	98.6	99.1
Communications and public utilities .....	99.9	99.9	99.5	99.4	99.5	99.6
<b>Wholesale trade<sup>1</sup></b>						
Durable goods .....	100.1	100.1	99.5	99.4	99.5	99.7
Nondurable goods .....	100.5	100.1	98.7	98.6	98.9	99.4
<b>Retail trade</b> .....	101.7	103.1	98.9	97.4	97.8	98.6
General merchandise stores .....	107.2	111.3	102.7	96.7	95.8	96.1
Food stores .....	101.3	102.2	99.8	99.0	98.9	98.8
Automotive dealers and service stations .....	100.0	99.5	98.8	98.4	98.7	99.3
Eating and drinking places .....	99.4	99.5	96.0	96.1	97.7	99.4
<b>Finance, insurance, and real estate<sup>1</sup></b>						
Finance .....	99.9	100.0	99.7	99.7	99.8	99.7
Insurance .....	99.7	99.9	99.9	100.0	100.0	99.9
Real estate <sup>2</sup> .....	99.1	98.8	96.5	96.4	97.3	98.8
<b>Services</b> .....	100.0	99.7	98.4	99.1	99.7	100.1
Business services .....	100.9	100.4	98.3	98.1	98.5	98.9
Health services .....	99.9	99.9	99.8	99.8	99.9	99.8
<b>Government<sup>1</sup></b>						
Federal .....	99.5	99.7	99.2	99.5	99.5	99.8
State .....	102.9	101.9	98.9	102.2	102.7	102.6
Local .....	102.6	102.0	100.3	102.0	102.4	102.2

<sup>1</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>2</sup> No ARIMA models were identified to extend the

unadjusted series for one year. Factors shown are projected using X-11 without the ARIMA option.

**Table 2. Seasonal adjustment factors for women employees on nonfarm payrolls by industry**

Industry	1991		1992			
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Total<sup>1</sup></b>						
<b>Mining</b> .....	98.9	99.0	98.6	99.3	99.2	100.0
<b>Construction<sup>2</sup></b> .....	100.5	99.6	97.6	97.0	97.5	98.7
<b>Manufacturing<sup>1</sup></b>						
<b>Durable goods<sup>1</sup></b>						
Lumber and wood products .....	99.8	99.6	98.2	97.1	97.8	98.6
Furniture and fixtures .....	101.3	100.9	100.2	99.5	99.3	99.7
Stone, clay, and glass products .....	101.1	100.4	98.5	98.2	98.4	98.7
Primary metal industries .....	100.4	99.9	99.4	99.2	99.5	99.9
Fabricated metal products .....	100.8	100.4	99.5	99.1	99.2	99.4
Industrial machinery and equipment .....	100.1	100.4	100.1	100.2	100.0	99.8
Electronic and other electrical equipment .....	100.6	100.3	99.9	99.6	99.5	99.5
Transportation equipment .....	100.5	100.2	99.2	99.2	99.1	99.7
Instruments and related products .....	100.3	100.4	99.7	99.7	99.8	99.8
Miscellaneous manufacturing .....	102.3	99.4	97.3	98.6	99.2	99.2
<b>Nondurable goods<sup>1</sup></b>						
Food and kindred products <sup>2</sup> .....	101.9	99.4	96.1	95.5	94.8	94.8
Tobacco products .....	107.2	107.9	107.1	104.4	96.0	89.2
Textile mill products .....	100.7	99.9	99.3	99.2	99.4	99.5
Apparel and other textile products .....	101.0	100.2	99.5	99.9	99.8	100.1
Paper and allied products <sup>2</sup> .....	100.4	100.1	98.6	98.5	98.8	99.0
Printing and publishing .....	100.4	100.6	100.1	100.0	100.0	100.2
Chemicals and allied products .....	99.5	99.8	99.2	99.5	99.7	99.5
Petroleum and coal products .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Rubber and misc. plastics products .....	100.5	100.2	99.6	99.2	99.5	99.5
Leather and leather products .....	101.4	99.5	98.6	98.7	98.8	98.8
<b>Transportation and public utilities</b> .....	100.7	100.9	99.8	99.7	99.7	99.8
<b>Wholesale trade</b> .....	100.9	100.8	99.3	99.1	99.4	99.3
<b>Retail trade<sup>2</sup></b> .....	102.5	104.4	99.0	97.2	97.5	98.3
<b>Finance, insurance, and real estate</b> .....	99.8	100.0	99.5	99.5	99.7	99.8
<b>Services<sup>2</sup></b> .....	100.1	100.0	99.0	99.7	100.2	100.3
<b>Government<sup>1</sup></b>						
Federal .....	99.8	99.9	99.3	99.2	99.1	99.2
State .....	103.1	102.1	99.3	102.6	103.0	102.9
Local .....	103.7	103.1	101.4	103.1	103.6	103.3

<sup>1</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>2</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-11 without the ARIMA option.

<sup>3</sup> Seasonal adjustment factors are not computed because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

**Table 3. Seasonal adjustment factors for production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1991		1992 <sup>2</sup>			
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Total private<sup>2</sup></b>						
<b>Mining</b> .....	101.3	100.0	97.8	97.3	97.5	99.0
<b>Construction</b> .....	103.5	98.4	89.7	88.0	90.0	95.4
<b>Manufacturing<sup>2</sup></b>						
<b>Durable goods<sup>2</sup></b>						
Lumber and wood products <sup>3</sup> .....	100.0	99.0	97.4	96.6	97.0	98.0
Furniture and fixtures .....	101.2	100.9	100.0	99.6	99.5	99.5
Stone, clay, and glass products .....	101.5	99.0	96.0	95.6	97.2	99.1
Primary metal industries .....	100.1	100.2	100.0	99.5	99.6	99.7
Blast furnaces and basic steel products .....	99.9	100.2	100.3	99.5	99.4	99.4
Fabricated metal products .....	100.9	100.8	99.2	99.0	99.1	99.2
Industrial machinery and equipment .....	99.9	100.4	100.4	100.4	100.4	100.1
Electronic and other electrical equipment .....	100.6	100.2	100.0	99.5	99.4	99.5
Transportation equipment .....	100.3	100.8	98.3	98.3	98.6	99.8
Motor vehicles and equipment .....	100.2	100.8	96.1	96.5	98.0	99.7
Instruments and related products <sup>3</sup> .....	100.6	100.7	100.0	99.6	99.3	99.5
Miscellaneous manufacturing .....	102.0	99.4	97.8	98.8	99.2	99.3
<b>Nondurable goods<sup>2</sup></b>						
Food and kindred products .....	101.2	99.2	96.6	96.1	95.7	95.7
Tobacco products .....	105.2	109.8	107.6	104.0	96.7	91.1
Textile mill products .....	100.6	99.9	99.6	99.3	99.3	99.5
Apparel and other textile products .....	101.0	100.1	98.9	99.7	99.8	99.9
Paper and allied products .....	100.2	100.1	99.4	99.3	99.2	99.1
Printing and publishing .....	100.5	100.9	100.1	99.9	100.1	100.2
Chemicals and allied products .....	99.6	99.8	99.3	99.7	99.8	99.7
Petroleum and coal products .....	100.8	98.2	95.9	95.8	96.8	98.7
Rubber and misc. plastics products .....	100.6	100.3	99.3	99.1	99.4	99.5
Leather and leather products .....	100.9	99.3	98.7	99.2	98.9	99.1
<b>Transportation and public utilities</b> .....	101.0	101.1	98.7	98.5	98.7	99.2
<b>Wholesale trade</b> .....	100.3	100.1	99.0	98.9	99.1	99.5
<b>Retail trade</b> .....	101.9	103.5	98.8	97.2	97.5	98.4
<b>Finance, insurance, and real estate</b> .....	99.5	99.7	98.9	98.8	99.1	99.5
<b>Services</b> .....	100.0	99.7	98.1	99.0	99.6	100.2

<sup>1</sup> 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.

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>3</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-11 without the ARIMA option.

**Table 4. Seasonal adjustment factors for average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1991		1992			
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Total private<sup>2</sup></b>						
<b>Mining<sup>3</sup></b> .....	100.7	101.9	99.9	99.2	98.7	98.7
<b>Construction</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Manufacturing<sup>2</sup></b>						
<b>Durable goods<sup>2</sup></b>						
Lumber and wood products .....	99.5	100.7	98.5	97.4	98.9	99.1
Furniture and fixtures .....	100.7	102.7	99.2	98.1	98.5	97.2
Stone, clay, and glass products .....	100.9	99.7	97.5	97.3	98.3	99.1
Primary metal industries <sup>3</sup> .....	100.8	101.3	100.1	98.9	99.4	98.5
Blast furnaces and basic steel products .....	100.8	101.2	100.2	98.7	98.8	98.4
Fabricated metal products .....	101.0	101.9	99.4	98.9	99.4	98.8
Industrial machinery and equipment .....	100.5	102.3	100.2	99.6	99.9	98.8
Electronic and other electrical equipment .....	101.0	102.4	100.1	99.4	99.7	98.5
Transportation equipment .....	99.9	101.5	99.3	98.7	99.7	98.4
Motor vehicles and equipment .....	100.6	100.9	98.8	97.4	99.5	95.9
Instruments and related products .....	100.9	102.2	99.9	100.0	100.1	99.5
Miscellaneous manufacturing .....	101.8	101.4	99.4	99.2	99.7	98.6
<b>Nondurable goods<sup>2</sup></b>						
Food and kindred products .....	101.1	101.6	99.3	97.8	98.4	97.6
Tobacco products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Textile mill products <sup>5</sup> .....	100.8	100.4	99.1	98.4	99.1	97.1
Apparel and other textile products .....	100.8	100.7	99.0	99.4	99.4	96.5
Paper and allied products .....	101.0	101.8	100.1	98.9	99.1	97.9
Printing and publishing .....	100.8	101.6	99.2	99.3	100.2	98.6
Chemicals and allied products <sup>3</sup> .....	100.7	101.7	100.1	99.5	100.0	99.9
Petroleum and coal products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rubber and misc. plastics products .....	100.5	101.1	99.9	99.1	99.4	97.3
Leather and leather products .....	99.0	101.1	99.0	99.0	98.8	96.9
<b>Transportation and public utilities<sup>3 5</sup></b> .....	100.0	100.3	98.6	99.0	99.1	99.9
<b>Wholesale trade<sup>3</sup></b> .....	99.9	100.5	99.2	99.2	99.6	99.8
<b>Retail trade<sup>5</sup></b> .....	99.0	101.7	97.6	97.7	98.2	100.0
<b>Finance, insurance, and real estate</b> .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Services<sup>3</sup></b> .....	99.7	99.9	99.5	99.5	99.6	100.0

<sup>1</sup> 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.

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>3</sup> No moving-holiday adjustment was done for April because there was no evidence of significant effects associated with the relative timing of Easter

and the reference period of the payroll survey.

<sup>4</sup> Seasonal adjustment factors are not computed because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

<sup>5</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-11 without the ARIMA option.

**Table 5. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls**

Industry group	1991		1992			
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Manufacturing<sup>1</sup></b>						
<b>Durable goods</b> .....	105.6	109.3	94.3	90.5	95.4	88.2
<b>Nondurable goods</b> .....	106.3	103.8	94.5	89.4	93.6	82.9

<sup>1</sup> Seasonally adjusted data are derived by aggregation of the component series.

**Table 6. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry division	1991		1992			
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
<b>Total private<sup>2</sup></b>						
<b>Mining</b> .....	99.4	99.9	101.2	100.6	100.3	100.4
<b>Construction</b> .....	100.1	100.3	100.5	99.7	99.7	99.9
<b>Manufacturing</b> .....	100.0	100.5	100.1	99.9	100.0	99.9
<b>Excluding overtime</b> .....	99.8	100.3	100.3	100.1	100.2	100.3
<b>Transportation and public utilities</b> .....	100.1	100.2	100.2	100.3	99.8	100.0
<b>Wholesale trade<sup>3</sup></b> .....	100.0	100.4	100.3	100.3	99.9	100.4
<b>Retail trade</b> .....	100.3	99.9	100.5	100.1	100.0	100.4
<b>Finance, insurance, and real estate<sup>3</sup></b> .....	99.9	100.2	100.6	100.7	100.1	100.7
<b>Services<sup>3</sup></b> .....	100.4	100.8	100.9	100.7	100.3	100.4

<sup>1</sup> 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.

<sup>2</sup> Seasonally adjusted data are derived by aggregation of the component series.

<sup>3</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-11 without the ARIMA option.

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1958 to date**

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
1958 .....	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959 .....	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 <sup>1</sup> .....	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961 .....	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 <sup>1</sup> .....	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963 .....	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964 .....	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965 .....	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966 .....	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967 .....	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968 .....	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969 .....	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970 .....	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971 .....	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 <sup>1</sup> .....	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup> .....	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974 .....	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975 .....	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976 .....	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977 .....	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 <sup>1</sup> .....	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979 .....	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980 .....	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981 .....	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982 .....	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983 .....	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984 .....	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985 .....	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 <sup>1</sup> .....	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
1987 .....	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888	
1988 .....	186,322	123,378	66.2	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944	
1989 .....	188,081	125,557	66.8	119,030	1,688	117,342	3,199	114,142	6,528	5.2	62,523	
1990 .....	189,686	126,424	66.6	119,550	1,637	117,914	3,186	114,728	6,874	5.4	63,262	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1990:</b>												
November .....	190,312	126,338	66.4	119,001	1,615	117,386	3,185	114,201	7,337	5.8	63,974	
December .....	190,483	126,791	66.6	119,191	1,617	117,574	3,253	114,321	7,600	6.0	63,692	
<b>1991:</b>												
January .....	190,592	126,253	66.2	118,537	1,615	116,922	3,163	113,759	7,715	6.1	64,339	
February .....	190,717	126,678	66.4	118,520	1,602	116,918	3,222	113,696	8,158	6.4	64,039	
March .....	190,703	126,786	66.5	118,214	1,460	116,754	3,098	113,656	8,572	6.8	63,917	
April .....	190,836	127,128	66.6	118,854	1,456	117,398	3,156	114,243	8,274	6.5	63,708	
May .....	190,980	126,690	66.3	118,049	1,458	116,591	3,272	113,319	8,640	6.8	64,291	
June .....	191,173	127,134	66.5	118,389	1,505	116,884	3,308	113,576	8,745	6.9	64,039	
July .....	191,443	126,818	66.2	118,316	1,604	116,712	3,239	113,474	8,501	6.7	64,625	
August .....	191,589	126,520	66.0	118,032	1,616	116,416	3,266	113,150	8,488	6.7	65,069	
September .....	191,746	127,231	66.4	118,789	1,624	117,165	3,306	113,859	8,442	6.6	64,515	
October .....	191,903	127,163	66.3	118,581	1,614	116,967	3,195	113,772	8,582	6.7	64,740	
November .....	192,057	126,862	66.1	118,363	1,605	116,758	3,302	113,457	8,499	6.7	65,195	

<sup>1</sup> Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

<sup>2</sup> The population and Armed Forces figures are not adjusted for

seasonal variation.

NOTE: Revisions of seasonally adjusted monthly and quarterly data (shown in tables A-1 through A-3 and A-32 through A-53) for the most recent 5-year period are made at the end of each calendar year.

**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1980 to date**

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
<b>MEN</b>												
1980 .....	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981 .....	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982 .....	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983 .....	84,064	64,580	76.6	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,464	
1984 .....	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771	
1985 .....	86,025	65,967	76.7	61,447	1,558	59,891	2,535	57,356	4,521	6.9	20,058	
1986 <sup>1</sup> .....	87,349	66,973	76.8	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376	
1987 .....	88,476	67,784	76.8	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692	
1988 .....	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930	
1989 .....	90,283	69,360	76.8	65,835	1,520	64,315	2,513	61,802	3,525	5.1	20,923	
1990 .....	91,122	69,705	76.5	65,908	1,472	64,435	2,507	61,928	3,799	5.4	21,417	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1990:</b>												
November .....	91,440	69,899	76.4	65,790	1,453	64,337	2,518	61,819	4,109	5.9	21,541	
December .....	91,537	70,058	76.5	65,781	1,454	64,327	2,572	61,755	4,277	6.1	21,479	
<b>1991:</b>												
January .....	91,590	69,543	75.9	65,251	1,453	63,798	2,466	61,331	4,292	6.2	22,047	
February .....	91,650	69,749	76.1	65,043	1,439	63,604	2,520	61,084	4,706	6.7	21,901	
March .....	91,587	69,808	76.2	64,846	1,314	63,532	2,456	61,076	4,962	7.1	21,779	
April .....	91,652	69,855	76.2	65,112	1,310	63,802	2,504	61,298	4,743	6.8	21,797	
May .....	91,720	69,704	76.0	64,746	1,303	63,443	2,596	60,847	4,957	7.1	22,017	
June .....	91,839	69,793	76.0	64,750	1,345	63,405	2,640	60,765	5,043	7.2	22,046	
July .....	92,023	69,821	75.9	64,820	1,431	63,389	2,586	60,803	5,001	7.2	22,202	
August .....	92,100	69,652	75.6	64,770	1,442	63,328	2,580	60,748	4,882	7.0	22,448	
September .....	92,185	70,261	76.2	65,285	1,449	63,836	2,594	61,241	4,976	7.1	21,924	
October .....	92,270	69,998	75.9	65,142	1,440	63,702	2,535	61,167	4,856	6.9	22,272	
November .....	92,356	69,831	75.6	65,060	1,432	63,628	2,590	61,038	4,771	6.8	22,525	
<b>Annual averages</b>												
<b>WOMEN</b>												
1980 .....	86,472	45,811	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981 .....	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982 .....	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
1983 .....	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
1984 .....	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985 .....	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686	
1986 <sup>1</sup> .....	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
1987 .....	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195	
1988 .....	96,918	54,904	56.6	51,858	162	51,696	676	51,020	3,046	5.5	42,014	
1989 .....	97,798	56,198	57.5	53,195	168	53,027	687	52,341	3,003	5.3	41,601	
1990 .....	98,564	56,719	57.5	53,644	165	53,479	679	52,600	3,075	5.4	41,645	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1990:</b>												
November .....	98,872	56,439	57.1	53,211	162	53,049	667	52,382	3,228	5.7	42,433	
December .....	98,946	56,733	57.3	53,410	163	53,247	681	52,566	3,323	5.9	42,213	
<b>1991:</b>												
January .....	99,002	56,710	57.3	53,287	162	53,125	697	52,428	3,423	6.0	42,292	
February .....	99,067	56,929	57.5	53,477	163	53,314	703	52,611	3,452	6.1	42,138	
March .....	99,116	56,978	57.5	53,368	148	53,222	642	52,580	3,610	6.3	42,138	
April .....	99,184	57,273	57.7	53,742	146	53,596	651	52,945	3,531	6.2	41,911	
May .....	99,260	56,988	57.4	53,303	155	53,148	676	52,473	3,683	6.5	42,274	
June .....	99,334	57,341	57.7	53,639	160	53,479	668	52,811	3,702	6.5	41,993	
July .....	99,421	56,997	57.3	53,496	173	53,323	653	52,670	3,500	6.1	42,424	
August .....	99,489	56,868	57.2	53,262	174	53,088	685	52,402	3,606	6.3	42,621	
September .....	99,561	56,971	57.2	53,505	175	53,330	712	52,618	3,466	6.1	42,590	
October .....	99,633	57,165	57.4	53,438	174	53,264	660	52,605	3,726	6.5	42,468	
November .....	99,701	57,031	57.2	53,303	173	53,130	712	52,419	3,728	6.5	42,670	

<sup>1</sup> Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.

<sup>2</sup> The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA  
HISTORICAL**

**A-3. Employment status of the civilian noninstitutional population 16 years and over, 1958 to date**

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
<b>Annual averages</b>								
1958 .....	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959 .....	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 <sup>1</sup> .....	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961 .....	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 <sup>1</sup> .....	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963 .....	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964 .....	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965 .....	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966 .....	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967 .....	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968 .....	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969 .....	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970 .....	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971 .....	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 <sup>1</sup> .....	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974 .....	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975 .....	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976 .....	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977 .....	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979 .....	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980 .....	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981 .....	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982 .....	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983 .....	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984 .....	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985 .....	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987 .....	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988 .....	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
1989 .....	186,393	123,869	66.5	117,342	6,528	5.3	5.2	5.4
1990 .....	188,049	124,787	66.4	117,914	6,874	5.5	5.6	5.4
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1990:</b>								
November .....	188,697	124,723	66.1	117,386	7,337	5.9	6.0	5.7
December .....	188,866	125,174	66.3	117,574	7,600	6.1	6.2	5.9
<b>1991:</b>								
January .....	188,977	124,638	66.0	116,922	7,715	6.2	6.3	6.1
February .....	189,115	125,076	66.1	116,918	8,158	6.5	6.9	6.1
March .....	189,243	125,326	66.2	116,754	8,572	6.8	7.2	6.4
April .....	189,380	125,672	66.4	117,398	8,274	6.6	6.9	6.2
May .....	189,522	125,232	66.1	116,591	8,640	6.9	7.2	6.5
June .....	189,668	125,629	66.2	116,884	8,745	7.0	7.4	6.5
July .....	189,839	125,214	66.0	116,712	8,501	6.8	7.3	6.2
August .....	189,973	124,904	65.7	116,416	8,488	6.8	7.2	6.4
September .....	190,122	125,607	66.1	117,165	8,442	6.7	7.2	6.1
October .....	190,289	125,549	66.0	116,967	8,582	6.8	7.1	6.5
November .....	190,452	125,257	65.8	116,758	8,499	6.8	7.0	6.6

<sup>1</sup> Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the

Explanatory Notes.

<sup>2</sup> The population figures are not adjusted for seasonal variation.



A-4. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	November 1991										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>TOTAL</b>											
16 years and over .....	190,452	125,396	65.8	117,110	8,286	6.6	65,056	25,787	9,443	3,831	25,995
16 to 19 years .....	13,250	6,492	49.0	5,271	1,221	18.8	6,758	417	5,850	27	464
16 to 17 years .....	6,597	2,507	38.0	1,966	541	21.6	4,091	97	3,795	9	188
18 to 19 years .....	6,652	3,985	59.9	3,305	680	17.1	2,667	319	2,055	17	276
20 to 24 years .....	17,874	13,572	75.9	12,127	1,445	10.6	4,302	1,362	2,223	85	633
25 to 54 years .....	107,829	90,118	83.6	85,093	5,026	5.6	17,710	11,393	1,331	1,656	3,330
25 to 34 years .....	42,235	35,314	83.6	32,943	2,371	6.7	6,921	4,625	854	345	1,096
25 to 29 years .....	20,056	16,641	83.0	15,464	1,177	7.1	3,415	2,153	540	136	587
30 to 34 years .....	22,179	18,673	84.2	17,480	1,193	6.4	3,506	2,473	314	209	510
35 to 44 years .....	39,024	33,360	85.5	31,670	1,690	5.1	5,664	3,696	346	586	1,035
35 to 39 years .....	20,570	17,547	85.3	16,543	1,005	5.7	3,022	1,967	226	282	547
40 to 44 years .....	18,454	15,813	85.7	15,128	685	4.3	2,641	1,729	120	304	488
45 to 54 years .....	26,570	21,444	80.7	20,479	965	4.5	5,126	3,072	130	725	1,198
45 to 49 years .....	14,656	12,211	83.3	11,681	530	4.3	2,445	1,523	80	337	506
50 to 54 years .....	11,914	9,233	77.5	8,798	436	4.7	2,681	1,549	51	388	693
55 to 64 years .....	21,130	11,747	55.6	11,276	472	4.0	9,383	4,100	23	853	4,407
55 to 59 years .....	10,547	7,017	66.5	6,734	284	4.0	3,530	1,800	18	433	1,279
60 to 64 years .....	10,583	4,730	44.7	4,542	188	4.0	5,853	2,300	5	420	3,128
65 years and over .....	30,370	3,467	11.4	3,344	123	3.6	26,903	8,516	16	1,211	17,161
65 to 69 years .....	10,043	2,070	20.6	1,992	78	3.8	7,973	2,667	-	265	5,040
70 to 74 years .....	8,207	897	10.9	862	34	3.8	7,310	2,347	2	247	4,714
75 years and over .....	12,120	500	4.1	489	11	2.2	11,619	3,502	13	698	7,406
<b>Men</b>											
16 years and over .....	90,924	68,207	75.0	63,538	4,669	6.8	22,717	591	4,771	2,098	15,257
16 to 19 years .....	6,679	3,348	50.1	2,662	686	20.5	3,331	11	3,054	20	247
16 to 17 years .....	3,372	1,235	36.6	957	278	22.5	2,138	9	2,015	7	106
18 to 19 years .....	3,307	2,113	63.9	1,705	408	19.3	1,193	2	1,039	13	140
20 to 24 years .....	8,714	7,096	81.4	6,321	775	10.9	1,617	40	1,183	50	345
25 to 54 years .....	52,825	49,113	93.0	46,263	2,850	5.8	3,713	284	522	1,079	1,828
25 to 34 years .....	20,816	19,500	93.7	18,179	1,321	6.8	1,315	124	393	234	564
25 to 29 years .....	9,873	9,158	92.8	8,504	654	7.1	715	66	268	97	284
30 to 34 years .....	10,943	10,343	94.5	9,676	667	6.4	600	58	125	137	280
35 to 44 years .....	19,129	18,028	94.2	17,048	980	5.4	1,101	78	99	378	546
35 to 39 years .....	10,115	9,555	94.5	8,964	591	6.2	560	41	59	173	286
40 to 44 years .....	9,014	8,473	94.0	8,085	388	4.6	541	37	40	204	261
45 to 54 years .....	12,881	11,584	89.9	11,035	549	4.7	1,296	82	31	467	717
45 to 49 years .....	7,154	6,581	92.0	6,274	306	4.7	573	38	19	227	289
50 to 54 years .....	5,727	5,004	87.4	4,761	243	4.8	723	44	11	240	428
55 to 64 years .....	10,013	6,677	66.7	6,397	280	4.2	3,337	91	7	498	2,740
55 to 59 years .....	5,033	3,940	78.3	3,773	167	4.2	1,093	37	8	265	783
60 to 64 years .....	4,980	2,736	54.9	2,623	113	4.1	2,244	55	-	234	1,957
65 years and over .....	12,692	1,974	15.6	1,895	79	4.0	10,718	165	4	451	10,099
65 to 69 years .....	4,562	1,113	24.4	1,058	55	4.9	3,449	51	-	127	3,271
70 to 74 years .....	3,611	553	15.3	535	18	3.3	3,057	51	-	100	2,906
75 years and over .....	4,520	307	6.8	301	6	2.1	4,213	63	4	224	3,921
<b>Women</b>											
18 years and over .....	99,528	57,189	57.5	53,572	3,617	6.3	42,339	25,197	4,672	1,734	10,737
16 to 19 years .....	6,570	3,143	47.8	2,609	534	17.0	3,427	406	2,797	7	218
16 to 17 years .....	3,225	1,272	39.4	1,009	263	20.7	1,953	88	1,781	2	82
18 to 19 years .....	3,346	1,871	55.9	1,600	272	14.5	1,474	317	1,016	5	136
20 to 24 years .....	9,160	6,475	70.7	5,805	670	10.4	2,685	1,322	1,040	35	288
25 to 54 years .....	55,003	41,006	74.6	38,830	2,176	5.3	13,997	11,110	808	578	1,502
25 to 34 years .....	21,419	15,813	73.8	14,764	1,050	6.6	5,606	4,501	461	111	532
25 to 29 years .....	10,183	7,483	73.5	6,960	523	7.0	2,700	2,087	272	38	302
30 to 34 years .....	11,236	8,331	74.1	7,804	527	6.3	2,906	2,414	189	73	230
35 to 44 years .....	19,895	15,332	77.1	14,622	710	4.6	4,563	3,618	247	208	489
35 to 39 years .....	10,455	7,993	76.4	7,579	413	5.2	2,462	1,926	166	109	262
40 to 44 years .....	9,440	7,340	77.8	7,043	297	4.0	2,100	1,692	81	99	227
45 to 54 years .....	13,689	9,860	72.0	9,444	417	4.2	3,829	2,990	100	258	481
45 to 49 years .....	7,502	5,630	75.0	5,407	224	4.0	1,872	1,485	60	110	217
50 to 54 years .....	6,187	4,230	68.4	4,037	193	4.6	1,957	1,505	39	149	264
55 to 64 years .....	11,117	5,071	45.6	4,879	192	3.8	6,046	4,009	16	354	1,667
55 to 59 years .....	5,514	3,077	55.8	2,960	117	3.8	2,437	1,763	10	168	496
60 to 64 years .....	5,603	1,994	35.6	1,919	75	3.8	3,609	2,245	6	186	1,172
65 years and over .....	17,678	1,494	8.4	1,449	44	2.9	16,184	8,351	11	760	7,062
65 to 69 years .....	5,481	957	17.5	934	23	2.4	4,524	2,616	-	139	1,769
70 to 74 years .....	4,597	343	7.5	327	16	4.7	4,253	2,296	2	147	1,808
75 years and over .....	7,600	193	2.5	189	5	2.4	7,407	3,439	9	474	3,485

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

Age, sex, and race	November 1991										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>WHITE</b>											
16 years and over .....	161,949	107,550	66.4	101,205	6,346	5.9	54,399	22,050	7,055	2,922	22,372
16 to 19 years .....	10,596	5,602	52.9	4,662	940	16.8	4,994	300	4,342	19	333
16 to 17 years .....	5,259	2,232	42.4	1,802	430	19.3	3,026	76	2,808	8	135
18 to 19 years .....	5,337	3,370	63.1	2,860	510	15.1	1,967	224	1,534	11	198
20 to 24 years .....	14,631	11,464	78.4	10,454	1,010	8.8	3,167	1,010	1,687	65	405
25 to 54 years .....	91,187	76,976	84.4	73,112	3,864	5.0	14,211	9,490	995	1,249	2,477
25 to 34 years .....	35,232	29,839	84.7	28,100	1,739	5.8	5,393	3,762	639	253	741
25 to 29 years .....	16,644	14,030	84.3	13,185	845	6.0	2,614	1,712	408	101	394
30 to 34 years .....	18,588	15,809	85.0	14,915	893	5.7	2,779	2,049	231	152	347
35 to 44 years .....	33,189	28,552	86.0	27,202	1,350	4.7	4,637	3,115	255	457	810
35 to 39 years .....	17,383	14,934	85.9	14,152	782	5.2	2,449	1,650	155	218	426
40 to 44 years .....	15,806	13,618	86.2	13,051	568	4.2	2,188	1,465	100	239	384
45 to 54 years .....	22,766	18,585	81.6	17,809	776	4.2	4,181	2,614	102	540	926
45 to 49 years .....	12,553	10,553	84.1	10,127	426	4.0	2,001	1,314	62	246	379
50 to 54 years .....	10,213	8,033	78.7	7,683	350	4.4	2,180	1,300	39	294	547
55 to 64 years .....	18,331	10,359	56.5	9,941	419	4.0	7,972	3,574	20	629	3,749
55 to 59 years .....	9,083	6,161	67.8	5,904	257	4.2	2,923	1,552	16	318	1,036
60 to 64 years .....	9,248	4,199	45.4	4,037	162	3.9	5,049	2,022	4	311	2,713
65 years and over .....	27,204	3,149	11.6	3,037	112	3.6	24,055	7,677	11	960	15,408
65 to 69 years .....	9,922	1,867	20.9	1,794	72	3.9	7,055	2,389	-	204	4,463
70 to 74 years .....	7,385	822	11.1	793	30	3.6	6,563	2,122	2	201	4,238
75 years and over .....	10,897	460	4.2	449	10	2.2	10,437	3,166	9	555	6,707
<b>Men</b>											
16 years and over .....	77,939	59,147	75.9	55,449	3,698	6.3	18,792	407	3,575	1,602	13,207
16 to 19 years .....	5,360	2,871	53.6	2,353	518	18.0	2,489	4	2,298	13	174
16 to 17 years .....	2,695	1,089	40.4	869	220	20.2	1,605	4	1,525	5	71
18 to 19 years .....	2,665	1,781	66.8	1,484	297	16.7	884	-	773	9	102
20 to 24 years .....	7,194	6,029	83.8	5,454	575	9.5	1,165	24	886	38	217
25 to 54 years .....	45,236	42,517	94.0	40,237	2,280	5.4	2,719	185	380	798	1,356
25 to 34 years .....	17,567	16,668	94.9	15,650	1,018	6.1	899	74	290	164	371
25 to 29 years .....	8,268	7,772	94.0	7,274	499	6.4	496	35	205	68	188
30 to 34 years .....	9,299	8,896	95.7	8,376	520	5.9	404	39	84	96	184
35 to 44 years .....	16,498	15,661	94.9	14,859	803	5.1	836	51	71	283	431
35 to 39 years .....	8,672	8,266	95.3	7,789	477	5.8	406	27	38	126	214
40 to 44 years .....	7,826	7,395	94.5	7,070	325	4.4	430	24	33	157	217
45 to 54 years .....	11,171	10,188	91.2	9,729	459	4.5	984	60	19	351	553
45 to 49 years .....	6,179	5,760	93.2	5,502	258	4.5	418	28	13	165	212
50 to 54 years .....	4,993	4,428	88.7	4,227	200	4.5	565	32	6	185	342
55 to 64 years .....	8,751	5,939	67.9	5,685	254	4.3	2,812	63	7	379	2,363
55 to 59 years .....	4,373	3,484	79.7	3,330	154	4.4	889	27	8	198	655
60 to 64 years .....	4,378	2,455	56.1	2,355	100	4.1	1,923	36	-	181	1,707
65 years and over .....	11,399	1,792	15.7	1,720	72	4.0	9,607	132	4	373	9,098
65 to 69 years .....	4,075	1,004	24.6	953	51	5.1	3,070	45	-	104	2,921
70 to 74 years .....	3,253	505	15.5	490	16	3.1	2,748	33	-	80	2,635
75 years and over .....	4,071	282	6.9	277	5	1.8	3,789	54	4	189	3,543
<b>Women</b>											
16 years and over .....	84,010	48,403	57.6	45,756	2,647	5.5	35,607	21,643	3,480	1,320	9,164
16 to 19 years .....	5,236	2,731	52.2	2,309	422	15.5	2,505	296	2,044	6	159
16 to 17 years .....	2,564	1,143	44.6	933	210	18.3	1,421	72	1,283	3	63
18 to 19 years .....	2,672	1,588	59.4	1,376	213	13.4	1,084	224	761	3	96
20 to 24 years .....	7,437	5,436	73.1	5,000	435	8.0	2,002	986	801	28	188
25 to 54 years .....	45,951	34,459	75.0	32,875	1,585	4.6	11,492	9,305	616	451	1,121
25 to 34 years .....	17,665	13,171	74.6	12,450	721	5.5	4,494	3,688	349	88	369
25 to 29 years .....	8,376	6,258	74.7	5,911	347	5.5	2,119	1,678	202	33	206
30 to 34 years .....	9,289	6,913	74.4	6,540	374	5.4	2,375	2,010	147	55	164
35 to 44 years .....	16,691	12,891	77.2	12,344	547	4.2	3,801	3,064	185	174	379
35 to 39 years .....	8,711	6,668	76.5	6,363	305	4.6	2,043	1,622	117	92	212
40 to 44 years .....	7,980	6,223	78.0	5,981	242	3.9	1,757	1,441	68	81	167
45 to 54 years .....	11,595	8,397	72.4	8,080	317	3.8	3,197	2,554	82	189	373
45 to 49 years .....	6,375	4,792	75.2	4,625	167	3.5	1,582	1,285	49	81	167
50 to 54 years .....	5,220	3,605	69.1	3,455	150	4.2	1,615	1,268	33	108	205
55 to 64 years .....	9,580	4,420	46.1	4,256	164	3.7	5,160	3,511	12	250	1,387
55 to 59 years .....	4,710	2,876	56.8	2,574	103	3.8	2,034	1,525	8	120	381
60 to 64 years .....	4,871	1,744	35.8	1,682	62	3.5	3,127	1,987	5	130	1,006
65 years and over .....	15,805	1,357	8.6	1,316	41	3.0	14,448	7,545	7	586	6,310
65 to 69 years .....	4,847	862	17.8	841	21	2.5	3,985	2,344	-	99	1,542
70 to 74 years .....	4,132	317	7.7	303	14	4.4	3,815	2,089	2	121	1,604
75 years and over .....	6,825	178	2.6	172	5	2.9	6,648	3,113	5	366	3,164

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	November 1991										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>BLACK</b>											
16 years and over .....	21,745	13,482	62.0	11,847	1,635	12.1	8,263	2,818	1,690	797	2,958
16 to 19 years .....	2,083	679	32.6	442	237	34.9	1,404	110	1,171	8	115
16 to 17 years .....	1,044	201	19.2	106	95	47.2	843	21	779	1	41
18 to 19 years .....	1,040	479	46.0	336	142	29.7	561	89	392	6	74
20 to 24 years .....	2,465	1,626	66.0	1,261	365	22.5	839	281	347	17	194
25 to 54 years .....	12,456	9,901	79.5	8,918	983	9.9	2,555	1,341	165	355	695
25 to 34 years .....	5,354	4,232	79.0	3,684	548	13.0	1,122	632	99	82	309
25 to 29 years .....	2,631	2,035	77.4	1,747	288	14.2	596	338	57	32	168
30 to 34 years .....	2,723	2,197	80.7	1,937	260	11.8	526	294	42	49	140
35 to 44 years .....	4,354	3,611	82.9	3,326	285	7.9	743	396	49	120	177
35 to 39 years .....	2,388	1,985	83.1	1,788	197	9.9	403	204	44	61	95
40 to 44 years .....	1,965	1,626	82.7	1,538	87	5.4	340	193	5	60	82
45 to 54 years .....	2,748	2,059	74.9	1,908	151	7.3	690	312	16	153	209
45 to 49 years .....	1,513	1,191	78.8	1,113	79	6.6	321	132	10	76	104
50 to 54 years .....	1,236	867	70.2	795	72	8.3	369	180	6	77	106
55 to 64 years .....	2,154	1,022	47.5	984	39	3.8	1,132	393	3	202	534
55 to 59 years .....	1,126	629	55.9	607	23	3.6	497	184	2	104	206
60 to 64 years .....	1,028	393	38.2	377	16	4.1	635	209	1	98	327
65 years and over .....	2,586	252	9.8	242	10	4.1	2,334	694	4	215	1,420
65 to 69 years .....	895	154	17.1	148	5	3.4	742	231	-	54	456
70 to 74 years .....	658	65	10.0	61	5	( <sup>1</sup> )	593	181	-	37	374
75 years and over .....	1,033	33	3.2	33	1	( <sup>1</sup> )	999	281	4	124	590
<b>Men</b>											
16 years and over .....	9,783	6,719	68.7	5,925	794	11.8	3,064	143	811	425	1,685
16 to 19 years .....	1,033	366	35.5	236	131	35.7	666	7	588	7	65
16 to 17 years .....	528	108	20.4	64	43	40.3	421	6	383	3	30
18 to 19 years .....	504	259	51.3	171	87	33.8	246	1	206	4	35
20 to 24 years .....	1,132	817	72.2	654	163	19.9	315	15	178	12	109
25 to 54 years .....	5,600	4,860	86.8	4,385	476	9.8	740	75	44	244	377
25 to 34 years .....	2,430	2,133	87.8	1,880	253	11.9	297	38	31	64	163
25 to 29 years .....	1,195	1,043	87.3	915	128	12.3	152	26	18	27	80
30 to 34 years .....	1,235	1,091	88.3	965	125	11.5	145	13	13	36	83
35 to 44 years .....	1,950	1,743	89.4	1,595	148	8.5	208	23	9	85	90
35 to 39 years .....	1,072	956	89.2	856	100	10.5	116	10	6	44	55
40 to 44 years .....	878	786	89.5	739	48	6.0	92	13	3	41	35
45 to 54 years .....	1,220	984	80.7	910	75	7.6	236	14	4	95	123
45 to 49 years .....	701	578	82.5	541	38	6.5	123	7	5	51	60
50 to 54 years .....	519	406	78.2	369	37	9.2	113	7	-	44	63
55 to 64 years .....	969	535	55.2	518	17	3.2	434	18	-	105	311
55 to 59 years .....	495	321	64.9	308	13	3.9	174	4	-	59	111
60 to 64 years .....	474	214	45.1	209	5	2.2	260	14	-	46	200
65 years and over .....	1,048	140	13.4	133	8	5.4	908	28	-	58	823
65 to 69 years .....	390	78	19.9	74	4	4.9	312	2	-	17	293
70 to 74 years .....	287	43	14.9	40	3	( <sup>1</sup> )	244	15	-	15	214
75 years and over .....	372	20	5.4	19	1	( <sup>1</sup> )	352	10	-	26	315
<b>Women</b>											
16 years and over .....	11,962	6,763	56.5	5,922	841	12.4	5,200	2,675	880	372	1,273
16 to 19 years .....	1,051	313	29.8	207	106	33.9	738	104	583	1	50
16 to 17 years .....	515	93	18.0	42	51	55.3	422	16	396	-	12
18 to 19 years .....	535	220	41.1	165	55	24.9	315	88	187	2	38
20 to 24 years .....	1,333	809	60.7	607	203	25.0	524	265	169	5	85
25 to 54 years .....	6,855	5,041	73.5	4,533	508	10.1	1,814	1,265	120	111	318
25 to 34 years .....	2,924	2,098	71.8	1,803	295	14.1	825	594	68	18	145
25 to 29 years .....	1,436	992	69.1	832	160	16.1	444	312	38	5	88
30 to 34 years .....	1,488	1,106	74.4	971	135	12.2	382	282	30	13	57
35 to 44 years .....	2,403	1,868	77.7	1,731	137	7.3	535	373	40	35	86
35 to 39 years .....	1,316	1,029	78.2	932	97	9.4	287	193	38	17	40
40 to 44 years .....	1,087	839	77.2	800	40	4.7	248	180	2	18	47
45 to 54 years .....	1,528	1,074	70.3	998	76	7.0	454	298	12	58	86
45 to 49 years .....	812	613	75.5	572	41	6.7	199	125	5	25	43
50 to 54 years .....	716	461	64.4	426	35	7.5	255	173	7	33	43
55 to 64 years .....	1,185	487	41.1	466	21	4.4	698	375	3	97	223
55 to 59 years .....	631	308	48.8	298	10	3.3	323	180	2	45	95
60 to 64 years .....	554	179	32.3	168	11	6.3	375	195	1	51	128
65 years and over .....	1,538	112	7.3	109	3	2.6	1,426	666	4	157	598
65 to 69 years .....	505	76	15.0	74	1	1.9	429	229	-	37	163
70 to 74 years .....	371	23	6.1	21	2	( <sup>1</sup> )	348	166	-	23	160
75 years and over .....	661	14	2.0	14	-	( <sup>1</sup> )	648	271	4	98	275

<sup>1</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-5. Employment status of the black-and-other civilian noninstitutional population by age and sex**

(Numbers in thousands)

Age and sex	November 1991								
	Civilian noninstitutional population	Civilian labor force							Not in labor force
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	28,503	17,848	62.6	15,905	229	15,676	1,941	10.9	10,657
16 to 19 years .....	2,654	890	33.5	609	7	603	280	31.5	1,764
16 to 17 years .....	1,339	275	20.5	164	4	160	111	40.3	1,064
18 to 19 years .....	1,315	615	48.8	448	3	443	170	27.6	700
20 to 24 years .....	3,243	2,107	85.0	1,672	11	1,661	435	20.6	1,135
25 to 54 years .....	16,641	13,142	79.0	11,981	146	11,835	1,161	8.8	3,499
25 to 34 years .....	7,003	5,475	78.2	4,843	55	4,788	632	11.5	1,528
25 to 29 years .....	3,412	2,811	76.5	2,279	21	2,258	332	12.7	801
30 to 34 years .....	3,591	2,864	79.8	2,564	34	2,530	300	10.5	727
35 to 44 years .....	5,835	4,808	82.4	4,468	50	4,418	340	7.1	1,027
35 to 39 years .....	3,187	2,614	82.0	2,391	27	2,364	223	8.5	573
40 to 44 years .....	2,648	2,194	82.9	2,077	23	2,055	117	5.3	454
45 to 54 years .....	3,804	2,859	75.2	2,669	41	2,628	190	6.6	945
45 to 49 years .....	2,102	1,858	78.9	1,554	17	1,538	104	6.3	444
50 to 54 years .....	1,701	1,201	70.6	1,115	24	1,091	86	7.1	501
55 to 64 years .....	2,799	1,388	49.6	1,335	38	1,297	53	3.8	1,411
55 to 59 years .....	1,464	857	58.5	830	20	809	27	3.1	607
60 to 64 years .....	1,335	532	39.8	505	17	488	26	5.0	603
65 years and over .....	3,166	319	10.1	308	27	280	11	3.5	2,847
65 to 69 years .....	1,121	204	18.2	198	23	175	6	2.7	918
70 to 74 years .....	822	74	9.0	70	3	86	5	( <sup>1</sup> )	748
75 years and over .....	1,223	41	3.3	40	1	39	1	( <sup>1</sup> )	1,182
<b>Men</b>									
16 years and over .....	12,985	9,060	69.8	8,089	187	7,902	971	10.7	3,925
16 to 19 years .....	1,320	478	36.2	309	7	303	168	35.3	842
16 to 17 years .....	678	145	21.5	88	4	84	58	39.6	532
18 to 19 years .....	842	332	51.8	221	3	219	111	33.4	310
20 to 24 years .....	1,520	1,067	70.2	868	9	859	200	18.7	453
25 to 54 years .....	7,590	6,595	86.9	6,026	113	5,913	570	8.6	994
25 to 34 years .....	3,249	2,833	87.2	2,530	42	2,488	303	10.7	416
25 to 29 years .....	1,605	1,386	86.3	1,230	17	1,213	156	11.2	220
30 to 34 years .....	1,643	1,447	88.1	1,300	25	1,275	147	10.2	196
35 to 44 years .....	2,632	2,367	89.9	2,190	39	2,151	177	7.5	265
35 to 39 years .....	1,443	1,289	89.3	1,175	23	1,151	114	8.8	154
40 to 44 years .....	1,189	1,078	90.7	1,015	15	1,000	63	5.8	111
45 to 54 years .....	1,709	1,396	81.7	1,306	32	1,274	90	6.4	313
45 to 49 years .....	975	820	84.1	773	11	762	48	5.8	155
50 to 54 years .....	734	576	78.4	534	21	513	42	7.3	158
55 to 64 years .....	1,263	737	58.4	712	35	677	25	3.4	525
55 to 59 years .....	660	456	69.1	443	18	425	13	2.8	204
60 to 64 years .....	803	281	35.0	269	16	252	13	4.5	321
65 years and over .....	1,293	182	14.1	174	24	150	8	4.2	1,111
65 to 69 years .....	487	109	22.3	105	20	85	4	3.5	378
70 to 74 years .....	358	48	13.4	45	4	42	3	( <sup>1</sup> )	310
75 years and over .....	449	25	5.6	24	1	23	1	( <sup>1</sup> )	423
<b>Women</b>									
16 years and over .....	15,518	8,786	56.6	7,816	41	7,775	970	11.0	6,732
16 to 19 years .....	1,334	412	30.9	300	-	300	112	27.2	922
16 to 17 years .....	661	129	19.5	76	-	76	53	41.1	532
18 to 19 years .....	673	283	42.0	224	-	224	59	20.8	390
20 to 24 years .....	1,723	1,040	60.4	805	2	803	235	22.6	683
25 to 54 years .....	9,052	8,547	72.3	5,955	33	5,922	591	9.0	2,505
25 to 34 years .....	3,754	2,642	70.4	2,314	13	2,301	329	12.4	1,112
25 to 29 years .....	1,807	1,225	67.8	1,049	4	1,045	176	14.4	581
30 to 34 years .....	1,947	1,417	72.8	1,264	9	1,256	153	10.8	530
35 to 44 years .....	3,203	2,441	76.2	2,278	11	2,267	163	6.7	762
35 to 39 years .....	1,744	1,325	76.0	1,216	4	1,212	108	8.2	419
40 to 44 years .....	1,460	1,117	76.5	1,062	7	1,055	55	4.9	343
45 to 54 years .....	2,095	1,463	69.8	1,363	9	1,354	100	6.8	632
45 to 49 years .....	1,127	838	74.3	782	6	776	56	6.7	289
50 to 54 years .....	967	625	64.6	582	3	578	43	6.9	343
55 to 64 years .....	1,538	651	42.4	623	3	620	28	4.3	886
55 to 59 years .....	804	400	49.8	386	2	384	14	3.5	404
60 to 64 years .....	732	250	34.2	237	1	235	14	5.5	482
65 years and over .....	1,873	137	7.3	133	3	130	3	2.5	1,736
65 to 69 years .....	634	95	14.9	93	3	90	2	1.8	539
70 to 74 years .....	464	26	5.7	24	-	24	2	( <sup>1</sup> )	438
75 years and over .....	774	16	2.0	16	-	16	-	( <sup>1</sup> )	759

<sup>1</sup> Data not shown where base is less than 75,000.

**A-6. Employment status of the civilian noninstitutional population by race, sex, and age**

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
<b>TOTAL</b>								
Civilian noninstitutional population .....	188,697	190,452	83,092	84,245	91,963	92,958	13,642	13,250
Civilian labor force .....	124,821	125,396	64,622	64,859	53,394	54,046	6,805	6,492
Percent of population .....	66.1	65.8	77.8	77.0	58.1	58.1	49.9	49.0
Employed .....	117,611	117,110	61,200	60,876	50,751	50,963	5,660	5,271
Agriculture .....	3,056	3,181	2,261	2,364	609	661	186	156
Nonagricultural industries .....	114,555	113,929	58,939	58,512	50,142	50,302	5,474	5,115
Unemployed .....	7,211	8,286	3,422	3,983	2,643	3,082	1,145	1,221
Unemployment rate .....	5.8	6.6	5.3	6.1	5.0	5.7	16.8	18.8
Not in labor force .....	63,875	65,056	18,470	19,386	38,568	38,912	6,837	6,758
<b>White</b>								
Civilian noninstitutional population .....	160,831	161,949	71,785	72,579	78,108	78,774	10,938	10,596
Civilian labor force .....	107,013	107,550	56,101	56,277	45,098	45,672	5,813	5,602
Percent of population .....	66.5	66.4	78.2	77.5	57.7	58.0	53.1	52.9
Employed .....	101,739	101,205	53,536	53,096	43,210	43,447	4,992	4,662
Agriculture .....	2,847	2,952	2,100	2,183	573	620	173	150
Nonagricultural industries .....	98,892	98,253	51,436	50,913	42,637	42,828	4,819	4,512
Unemployed .....	5,274	6,346	2,565	3,181	1,888	2,225	821	940
Unemployment rate .....	4.9	5.9	4.6	5.7	4.2	4.9	14.1	16.8
Not in labor force .....	53,818	54,399	15,683	16,302	33,010	33,102	5,125	4,994
<b>Black</b>								
Civilian noninstitutional population .....	21,417	21,745	8,543	8,750	10,720	10,912	2,153	2,083
Civilian labor force .....	13,608	13,482	6,348	6,353	6,452	6,450	809	679
Percent of population .....	63.5	62.0	74.3	72.6	60.2	59.1	37.5	32.6
Employed .....	11,969	11,847	5,637	5,689	5,808	5,715	524	442
Agriculture .....	135	172	106	146	22	22	7	4
Nonagricultural industries .....	11,834	11,674	5,531	5,543	5,786	5,693	517	438
Unemployed .....	1,639	1,635	711	663	644	735	285	237
Unemployment rate .....	12.0	12.1	11.2	10.4	10.0	11.4	35.2	34.9
Not in labor force .....	7,809	8,263	2,196	2,397	4,268	4,462	1,345	1,404

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin**

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	November 1991									
	Civilian noninstitutional population	Civilian labor force								Percent of labor force
		Total	Percent of population	Employed			Unemployed			
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	15,755	7,591	48.2	6,619	1,164	5,456	972	125	847	12.8
16 to 19 years .....	10,193	4,262	41.8	3,545	267	3,279	717	57	660	16.8
20 to 24 years .....	5,562	3,329	59.9	3,074	897	2,177	255	69	187	7.7
High school .....	7,463	2,879	38.6	2,284	137	2,147	596	48	547	20.7
College .....	8,292	4,712	56.8	4,336	1,027	3,309	376	77	300	8.0
Full-time students .....	7,128	3,661	51.4	3,342	414	2,928	319	53	266	8.7
Part-time students .....	1,163	1,051	90.3	993	613	380	58	24	34	5.5
Men, 16 to 24 years .....	7,980	3,690	46.2	3,159	623	2,536	531	72	459	14.4
16 to 19 years .....	5,174	2,079	40.2	1,698	137	1,561	381	40	341	18.3
20 to 24 years .....	2,806	1,611	57.4	1,461	486	975	150	32	118	9.3
High school .....	3,977	1,488	37.4	1,177	92	1,084	311	25	286	20.9
College .....	4,003	2,203	55.0	1,983	531	1,452	220	47	173	10.0
Full-time students .....	3,464	1,702	49.1	1,507	223	1,284	195	36	159	11.5
Part-time students .....	538	501	93.0	476	308	168	25	11	14	5.0
Women, 16 to 24 years .....	7,775	3,901	50.2	3,460	541	2,919	441	53	388	11.3
16 to 19 years .....	5,019	2,183	43.5	1,847	130	1,718	335	16	319	15.4
20 to 24 years .....	2,756	1,718	62.3	1,613	411	1,202	105	36	69	6.1
High school .....	3,486	1,391	39.9	1,107	45	1,063	284	23	261	20.4
College .....	4,289	2,510	58.5	2,353	496	1,857	156	30	126	6.2
Full-time students .....	3,664	1,959	53.5	1,835	191	1,645	124	18	106	6.3
Part-time students .....	625	550	88.1	518	306	212	33	12	20	5.9
<b>White</b>										
Total, 16 to 24 years .....	12,703	6,604	52.0	5,852	1,039	4,813	752	87	665	11.4
16 to 19 years .....	8,151	3,757	46.1	3,189	248	2,941	568	42	526	15.1
20 to 24 years .....	4,552	2,847	62.6	2,663	792	1,872	184	45	139	6.5
Men .....	6,410	3,198	49.9	2,783	562	2,221	415	52	363	13.0
Women .....	6,293	3,406	54.1	3,069	477	2,592	337	35	302	9.9
High school .....	5,811	2,511	43.2	2,052	125	1,928	458	32	426	18.3
College .....	6,892	4,094	59.4	3,800	915	2,885	294	55	239	7.2
Full-time students .....	5,935	3,206	54.0	2,956	370	2,587	249	38	212	7.8
Part-time students .....	957	888	92.8	843	545	298	45	17	27	5.0
<b>Black</b>										
Total, 16 to 24 years .....	2,159	628	29.1	460	76	385	168	31	137	26.7
16 to 19 years .....	1,548	352	22.8	231	14	217	121	13	108	34.4
20 to 24 years .....	611	276	45.2	229	62	167	47	18	29	17.0
Men .....	1,085	302	27.8	225	35	190	77	18	58	25.5
Women .....	1,074	327	30.4	236	41	195	91	13	79	27.9
High school .....	1,284	255	19.9	142	6	137	113	12	101	44.2
College .....	875	373	42.7	318	70	248	55	19	36	14.8
Full-time students .....	737	273	37.0	230	26	203	43	12	31	15.8
Part-time students .....	137	101	73.4	89	44	45	12	7	5	12.1
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,355	574	42.4	483	123	360	91	12	79	15.9
16 to 19 years .....	965	333	34.5	252	30	222	81	9	72	24.3
20 to 24 years .....	390	241	61.9	231	93	138	10	3	7	4.3
Men .....	666	287	43.2	237	57	180	51	9	42	17.7
Women .....	689	287	41.7	247	66	180	40	4	37	14.1
High school .....	801	223	27.9	150	19	132	73	4	68	32.6
College .....	554	351	63.4	333	104	229	19	8	11	5.3
Full-time students .....	408	219	53.7	202	26	176	18	8	10	8.0
Part-time students .....	145	132	90.8	131	78	53	1	-	1	.8

See footnotes at end of table.

**A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	November 1991									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	15,368	12,472	81.2	10,778	8,804	1,974	1,694	1,504	189	13.6
16 to 19 years .....	3,057	2,230	72.9	1,726	1,100	626	504	428	76	22.6
20 to 24 years .....	12,311	10,242	83.2	9,053	7,704	1,349	1,190	1,076	114	11.6
Less than 4 years of high school .....	3,748	2,334	62.3	1,753	1,345	408	580	527	54	24.9
4 years of high school .....	7,650	6,414	83.8	5,578	4,444	1,134	836	733	103	13.0
1 to 3 years of college .....	2,566	2,380	92.8	2,187	1,864	323	193	172	21	8.1
4 years of college or more .....	1,404	1,344	95.8	1,260	1,151	109	84	72	12	6.3
<b>Men, 16 to 24 years .....</b>	<b>7,413</b>	<b>6,754</b>	<b>91.1</b>	<b>5,825</b>	<b>5,002</b>	<b>823</b>	<b>929</b>	<b>874</b>	<b>55</b>	<b>13.8</b>
16 to 19 years .....	1,505	1,269	84.3	964	669	295	305	279	26	24.0
20 to 24 years .....	5,908	5,485	92.8	4,861	4,333	527	625	595	29	11.4
Less than 4 years of high school .....	1,879	1,552	82.6	1,199	977	221	353	331	22	22.8
4 years of high school .....	3,797	3,534	93.1	3,092	2,621	471	442	421	20	12.5
1 to 3 years of college .....	1,168	1,119	95.8	1,028	933	95	91	83	8	8.1
4 years of college or more .....	569	549	96.6	506	471	35	43	39	4	7.9
<b>Women, 16 to 24 years .....</b>	<b>7,955</b>	<b>5,718</b>	<b>71.9</b>	<b>4,954</b>	<b>3,802</b>	<b>1,152</b>	<b>764</b>	<b>630</b>	<b>134</b>	<b>13.4</b>
16 to 19 years .....	1,552	961	61.9	762	431	330	199	149	50	20.7
20 to 24 years .....	6,404	4,757	74.3	4,192	3,370	822	565	481	84	11.9
Less than 4 years of high school .....	1,869	782	41.8	555	368	186	227	195	32	29.0
4 years of high school .....	3,853	2,880	74.7	2,486	1,823	663	394	312	82	13.7
1 to 3 years of college .....	1,398	1,261	90.2	1,159	931	228	102	89	13	8.1
4 years of college or more .....	835	795	95.2	754	680	74	41	33	8	5.1
<b>White</b>										
Total, 16 to 24 years .....	12,524	10,462	83.5	9,264	7,662	1,601	1,198	1,064	134	11.5
16 to 19 years .....	2,444	1,845	75.5	1,473	958	515	372	314	58	20.2
20 to 24 years .....	10,079	8,617	85.5	7,791	6,704	1,087	826	750	76	9.6
<b>Men .....</b>	<b>6,144</b>	<b>5,702</b>	<b>92.8</b>	<b>5,024</b>	<b>4,378</b>	<b>646</b>	<b>678</b>	<b>636</b>	<b>42</b>	<b>11.9</b>
<b>Women .....</b>	<b>6,380</b>	<b>4,760</b>	<b>74.6</b>	<b>4,240</b>	<b>3,284</b>	<b>956</b>	<b>521</b>	<b>428</b>	<b>93</b>	<b>10.9</b>
Less than 4 years of high school .....	3,036	1,991	65.6	1,539	1,202	337	452	403	49	22.7
4 years of high school .....	6,088	5,265	86.5	4,718	3,836	882	547	482	65	10.4
1 to 3 years of college .....	2,143	1,996	93.1	1,863	1,585	278	133	122	11	6.7
4 years of college or more .....	1,256	1,211	96.4	1,144	1,040	104	67	57	10	5.6
<b>Black</b>										
Total, 16 to 24 years .....	2,390	1,677	70.2	1,243	924	319	434	387	47	25.9
16 to 19 years .....	536	327	61.1	211	115	96	116	99	17	35.4
20 to 24 years .....	1,854	1,350	72.8	1,031	808	223	318	288	30	23.6
<b>Men .....</b>	<b>1,080</b>	<b>882</b>	<b>81.7</b>	<b>665</b>	<b>513</b>	<b>152</b>	<b>217</b>	<b>203</b>	<b>13</b>	<b>24.6</b>
<b>Women .....</b>	<b>1,310</b>	<b>796</b>	<b>60.7</b>	<b>578</b>	<b>410</b>	<b>167</b>	<b>218</b>	<b>184</b>	<b>34</b>	<b>27.4</b>
Less than 4 years of high school .....	614	285	46.4	173	109	85	111	106	5	39.1
4 years of high school .....	1,356	1,005	74.1	739	522	216	266	229	36	26.5
1 to 3 years of college .....	340	313	92.1	264	230	34	49	43	6	15.7
4 years of college or more .....	80	75	93.5	67	63	4	8	8	-	11.1
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,166	1,582	73.0	1,342	1,123	219	240	225	15	15.2
16 to 19 years .....	506	324	64.0	262	191	71	61	48	13	18.9
20 to 24 years .....	1,660	1,259	75.8	1,080	932	148	179	177	2	14.2
<b>Men .....</b>	<b>1,158</b>	<b>1,044</b>	<b>90.1</b>	<b>880</b>	<b>759</b>	<b>122</b>	<b>164</b>	<b>159</b>	<b>5</b>	<b>15.7</b>
<b>Women .....</b>	<b>1,008</b>	<b>538</b>	<b>53.4</b>	<b>462</b>	<b>364</b>	<b>98</b>	<b>76</b>	<b>66</b>	<b>10</b>	<b>14.1</b>
Less than 4 years of high school .....	1,211	783	64.7	637	530	107	146	138	9	18.7
4 years of high school .....	759	623	82.1	548	451	97	75	69	6	12.1
1 to 3 years of college .....	164	151	92.3	133	118	16	18	18	-	11.9
4 years of college or more .....	31	24	( <sup>2</sup> )	24	24	-	-	-	-	( <sup>2</sup> )

<sup>1</sup> Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.

<sup>2</sup> 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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-8. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Nov. 1990	Nov. 1991	Total		Employed		Unemployed			
			Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Number		Percent of labor force	
							Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,689	7,818	7,044	7,068	6,702	6,743	342	325	4.9	4.6
35 to 49 years .....	6,494	6,408	6,179	6,010	5,878	5,720	301	290	4.9	4.8
35 to 39 years .....	1,319	1,072	1,236	988	1,166	919	71	70	5.7	7.1
40 to 44 years .....	3,223	2,955	3,080	2,787	2,937	2,652	143	134	4.6	4.8
45 to 49 years .....	1,952	2,381	1,863	2,235	1,776	2,150	87	85	4.7	3.8
50 years and over .....	1,195	1,410	865	1,058	824	1,023	41	35	4.7	3.3
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	17,812	18,783	16,767	17,581	15,985	16,643	782	938	4.7	5.3
35 to 39 years .....	8,137	8,539	7,745	8,086	7,361	7,605	385	481	5.0	5.9
40 to 44 years .....	5,474	5,939	5,143	5,573	4,948	5,316	195	257	3.8	4.6
45 to 49 years .....	4,202	4,305	3,879	3,921	3,676	3,722	203	199	5.2	5.1

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; published data

are limited to those 35 to 49 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.



A-9. Employed and unemployed full- and part-time workers by sex, age, and race

(In thousands)

Sex, age, and race	November 1991							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules <sup>1</sup>	Part time for economic reasons, usually work full time	Total	Voluntary <sup>1</sup>	Part time for economic reasons, usually work part time		
<b>TOTAL</b>								
Total, 16 years and over .....	95,930	93,774	2,156	21,180	16,998	4,182	6,649	1,638
16 to 19 years .....	1,367	1,272	95	3,904	3,507	397	484	736
16 to 17 years .....	128	118	10	1,838	1,780	58	69	472
18 to 19 years .....	1,239	1,154	84	2,067	1,727	339	416	264
20 years and over .....	94,563	92,501	2,062	17,276	13,491	3,785	6,164	902
20 to 24 years .....	8,601	8,331	270	3,526	2,751	775	1,145	300
25 years and over .....	85,962	84,170	1,792	13,750	10,740	3,010	5,019	601
25 to 54 years .....	75,186	73,636	1,551	9,906	7,395	2,511	4,560	466
55 years and over .....	10,776	10,534	241	3,844	3,345	499	459	136
Men, 16 years and over .....	56,525	55,128	1,397	7,013	5,260	1,753	3,997	673
16 to 19 years .....	806	753	53	1,857	1,656	201	319	367
20 years and over .....	55,719	54,375	1,344	5,157	3,604	1,552	3,678	306
20 to 24 years .....	4,819	4,648	171	1,502	1,140	362	627	147
25 years and over .....	50,900	49,727	1,173	3,654	2,464	1,190	3,050	159
25 to 54 years .....	44,154	43,132	1,021	2,109	1,106	1,003	2,744	106
55 years and over .....	6,746	6,595	151	1,545	1,358	187	306	53
Women, 16 years and over .....	39,405	38,646	759	14,167	11,738	2,429	2,652	965
16 to 19 years .....	561	520	41	2,048	1,852	196	165	369
20 years and over .....	38,844	38,126	718	12,119	9,886	2,233	2,487	596
20 to 24 years .....	3,782	3,683	98	2,023	1,611	413	517	153
25 years and over .....	35,062	34,443	619	10,096	8,275	1,820	1,969	443
25 to 54 years .....	31,033	30,503	529	7,797	6,289	1,508	1,816	360
55 years and over .....	4,029	3,939	90	2,299	1,987	312	153	83
<b>White</b>								
Men, 16 years and over .....	49,491	48,304	1,187	5,957	4,626	1,332	3,148	550
16 to 19 years .....	719	673	46	1,634	1,476	159	229	289
20 years and over .....	48,773	47,632	1,141	4,323	3,150	1,173	2,919	262
20 to 24 years .....	4,222	4,074	148	1,232	961	271	459	116
25 years and over .....	44,551	43,557	994	3,091	2,189	902	2,460	145
25 to 54 years .....	38,570	37,713	857	1,668	923	745	2,185	95
55 years and over .....	5,981	5,845	136	1,424	1,266	158	276	50
Women, 16 years and over .....	33,151	32,549	601	12,605	10,591	2,014	1,896	751
16 to 19 years .....	487	456	32	1,821	1,658	164	127	295
20 years and over .....	32,663	32,094	570	10,784	8,933	1,851	1,768	456
20 to 24 years .....	3,274	3,189	85	1,727	1,388	338	336	100
25 years and over .....	29,390	28,905	485	9,057	7,545	1,512	1,433	357
25 to 54 years .....	25,901	25,489	411	6,974	5,713	1,261	1,298	286
55 years and over .....	3,489	3,415	74	2,083	1,832	252	135	70
<b>Black</b>								
Men, 16 years and over .....	5,174	5,020	154	750	418	332	718	76
16 to 19 years .....	74	68	6	162	125	37	77	54
20 years and over .....	5,101	4,952	148	589	294	295	641	22
20 to 24 years .....	474	455	19	180	104	76	145	18
25 years and over .....	4,626	4,497	129	409	190	219	496	5
25 to 54 years .....	4,076	3,959	117	309	117	192	472	4
55 years and over .....	550	538	13	100	73	27	24	1
Women, 16 years and over .....	4,807	4,689	117	1,115	774	341	655	186
16 to 19 years .....	55	49	7	152	126	25	35	71
20 years and over .....	4,751	4,641	111	964	648	316	619	115
20 to 24 years .....	396	384	12	211	144	67	161	42
25 years and over .....	4,356	4,257	98	753	504	249	458	74
25 to 54 years .....	3,957	3,867	90	577	384	193	445	63
55 years and over .....	399	390	8	176	120	56	14	11

<sup>1</sup> Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-10. Employment status of persons in families by family relationship**

(Numbers in thousands)

Family relationship	November 1991									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over <sup>1</sup> .....	99,900	66.3	93,379	6,521	6.5	50,748	20,861	8,406	2,639	18,842
Husbands .....	39,987	77.4	38,307	1,680	4.2	11,649	227	206	1,034	10,182
With employed wife .....	26,723	91.2	25,708	1,015	3.8	2,563	118	114	437	1,893
With unemployed wife .....	1,204	90.8	1,051	153	12.7	122	4	4	33	81
With wife not in labor force .....	12,060	57.4	11,548	512	4.2	8,964	104	88	563	8,208
Wives .....	30,612	59.3	29,286	1,326	4.3	21,024	15,906	404	498	4,217
With employed husband .....	26,759	69.9	25,708	1,051	3.9	11,548	9,996	330	181	1,040
With unemployed husband .....	1,168	69.5	1,015	153	13.1	512	433	14	18	48
With husband not in labor force .....	2,685	23.0	2,563	122	4.6	8,964	5,478	59	298	3,129
Relatives in married-couple families .....	12,466	61.8	10,911	1,555	12.5	7,716	661	5,375	342	1,337
16 to 19 years .....	4,168	48.9	3,485	683	16.4	4,356	115	3,987	16	239
20 to 24 years .....	4,513	73.9	4,050	463	10.3	1,594	137	1,227	32	198
25 years and over .....	3,785	68.2	3,376	409	10.8	1,766	409	161	294	900
Women who maintain families .....	7,187	61.5	6,542	644	9.0	4,499	2,878	304	273	1,044
Relatives in families maintained by women .....	5,675	58.4	4,765	910	16.0	4,037	810	1,747	346	1,135
16 to 19 years .....	1,236	43.5	928	308	24.9	1,608	87	1,367	9	144
20 to 24 years .....	1,573	70.8	1,319	253	16.1	649	138	312	19	180
25 years and over .....	2,867	61.7	2,518	349	12.2	1,780	585	68	318	811
Men who maintain families .....	2,257	75.3	2,047	210	9.3	742	58	44	78	562
Relatives in families maintained by men .....	1,716	61.3	1,521	196	11.4	1,083	321	326	68	367
16 to 19 years .....	235	49.1	194	41	17.3	243	13	199	-	32
20 to 24 years .....	438	71.3	383	55	12.6	176	33	110	-	33
25 years and over .....	1,044	61.1	944	100	9.6	664	275	17	68	302

<sup>1</sup> Excludes persons living alone or with nonrelatives, persons in families where the husband, wife, or other person maintaining the family is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table for husbands, wives, and women

who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

A-11. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
Total, 16 years and over .....	4,067	4,669	6.0	6.8	3,144	3,617	5.6	6.3
Married, spouse present .....	1,573	1,876	3.7	4.4	1,264	1,415	4.0	4.5
Widowed, divorced, or separated .....	556	600	7.7	8.2	688	772	6.0	6.7
Single (never married) .....	1,938	2,194	10.5	11.9	1,192	1,430	8.6	10.1
White, 16 years and over .....	3,046	3,698	5.1	6.3	2,228	2,647	4.7	5.5
Married, spouse present .....	1,296	1,591	3.4	4.2	1,062	1,185	3.8	4.2
Widowed, divorced, or separated .....	415	493	6.9	8.1	465	553	5.1	6.0
Single (never married) .....	1,335	1,615	8.8	10.6	701	909	6.4	8.2
Black, 16 years and over .....	856	794	12.6	11.8	783	841	11.5	12.4
Married, spouse present .....	207	218	6.5	6.7	130	184	5.3	7.7
Widowed, divorced, or separated .....	120	95	12.2	9.4	203	181	10.6	9.7
Single (never married) .....	529	482	20.2	19.6	449	476	18.4	19.1
Total, 25 years and over .....	2,752	3,209	4.8	5.6	2,107	2,412	4.5	5.1
Married, spouse present .....	1,456	1,752	3.5	4.3	1,084	1,228	3.7	4.1
Widowed, divorced, or separated .....	530	570	7.5	8.0	644	697	5.9	6.3
Single (never married) .....	766	886	8.1	9.2	380	487	5.7	7.2
White, 25 years and over .....	2,109	2,606	4.2	5.2	1,524	1,790	3.8	4.4
Married, spouse present .....	1,205	1,481	3.3	4.1	910	1,025	3.5	3.9
Widowed, divorced, or separated .....	396	471	6.8	8.0	431	491	4.9	5.5
Single (never married) .....	508	653	6.7	8.4	183	273	3.7	5.5
Black, 25 years and over .....	522	501	9.5	9.0	493	532	8.7	9.4
Married, spouse present .....	183	206	5.9	6.5	112	166	4.8	7.2
Widowed, divorced, or separated .....	115	89	12.0	8.9	192	168	10.2	9.2
Single (never married) .....	224	206	15.4	14.8	189	198	13.0	13.1

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-12. Unemployed persons by occupation and sex**

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
Total, 16 years and over .....	7,211	8,286	5.8	6.6	6.0	6.8	5.6	6.3
Managerial and professional specialty .....	630	852	2.0	2.6	2.1	2.5	1.8	2.8
Executive, administrative, and managerial .....	367	460	2.4	3.0	2.5	2.5	2.3	3.7
Professional specialty .....	264	392	1.6	2.3	1.7	2.6	1.5	2.2
Technical, sales, and administrative support .....	1,718	1,938	4.5	5.1	4.1	4.6	4.7	5.4
Technicians and related support .....	102	113	2.6	2.9	3.4	3.4	1.7	2.3
Sales occupations .....	791	871	5.4	5.8	3.8	4.5	6.9	7.1
Administrative support, including clerical .....	824	954	4.2	5.0	4.9	5.4	4.0	4.9
Service occupations .....	1,208	1,424	7.1	8.2	7.1	8.7	7.1	7.8
Private household .....	52	80	6.1	9.8	( <sup>1</sup> )	( <sup>1</sup> )	5.9	9.5
Protective service .....	80	101	3.9	4.9	3.7	4.5	5.5	7.0
Service, except private household and protective .....	1,076	1,243	7.7	8.5	8.3	10.0	7.3	7.7
Precision production, craft, and repair .....	942	1,099	6.5	7.7	6.5	7.8	7.1	7.5
Mechanics and repairers .....	200	243	4.4	5.1	4.2	5.3	7.9	2.2
Construction trades .....	537	586	9.5	11.2	9.5	11.2	8.6	10.1
Other precision production, craft, and repair .....	205	270	4.9	6.4	4.3	5.8	6.7	8.2
Operators, fabricators, and laborers .....	1,814	1,845	9.2	9.6	9.0	9.5	9.9	9.8
Machine operators, assemblers, and inspectors .....	758	763	8.6	9.1	7.6	8.3	10.0	10.2
Transportation and material moving occupations .....	332	302	6.2	5.7	6.2	5.9	6.2	3.4
Handlers, equipment cleaners, helpers, and laborers .....	724	779	13.3	14.2	13.7	14.7	11.3	11.6
Construction laborers .....	205	232	21.6	24.6	21.5	24.2	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	518	547	11.5	12.0	11.8	12.3	10.7	10.8
Farming, forestry, and fishing .....	236	324	7.0	9.1	6.7	9.0	8.3	9.5
No previous work experience .....	648	764	-	-	-	-	-	-
16 to 19 years .....	437	512	-	-	-	-	-	-
20 to 24 years .....	126	109	-	-	-	-	-	-
25 years and over .....	85	143	-	-	-	-	-	-

<sup>1</sup> Data not shown where base is less than 75,000.

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
Total, 16 years and over .....	7,211	8,286	5.8	6.6	6.0	6.8	5.6	6.3
Nonagricultural private wage and salary workers .....	5,626	6,465	6.0	6.9	6.3	7.3	5.7	6.5
Mining .....	35	68	4.6	9.1	4.2	9.9	6.7	5.2
Construction .....	796	904	12.8	15.4	13.3	15.9	7.3	9.1
Manufacturing .....	1,365	1,488	6.3	7.0	5.6	6.5	7.6	8.0
Durable goods .....	866	813	6.7	6.6	6.2	6.4	8.2	7.2
Lumber and wood products .....	66	57	8.8	8.3	8.8	8.7	9.5	5.5
Furniture and fixtures .....	39	51	5.6	7.3	5.1	7.8	7.2	6.2
Stone, clay, and glass products .....	29	40	4.5	6.3	2.8	5.4	8.9	9.8
Primary metal industries .....	64	71	7.1	7.9	6.9	7.6	8.2	10.0
Fabricated metal products .....	81	77	6.4	6.1	5.8	6.6	8.6	4.6
Machinery, except electrical .....	134	125	5.3	5.4	5.0	5.2	6.4	6.2
Electrical machinery, equipment, and supplies .....	131	156	6.2	7.5	5.1	7.7	7.8	7.3
Transportation equipment .....	238	140	8.9	5.7	8.2	4.8	11.3	8.7
Automobiles .....	167	83	13.3	7.1	12.7	6.3	15.2	9.6
Other transportation equipment .....	71	57	5.0	4.4	4.4	3.5	7.4	7.9
Professional and photographic equipment .....	25	34	3.1	4.4	2.4	3.2	4.4	5.9
Other durable goods industries .....	59	62	10.8	12.7	10.8	14.6	10.7	10.4
Nondurable goods .....	498	675	5.6	7.6	4.7	6.8	7.0	8.7
Food and kindred products .....	125	176	6.5	9.9	5.2	8.7	9.3	12.4
Textile mill products .....	31	60	4.3	8.0	4.2	8.8	4.4	7.3
Apparel and other textile products .....	101	137	8.6	11.8	9.3	15.6	8.3	10.5
Paper and allied products .....	31	42	3.9	4.9	3.8	4.3	4.2	6.6
Printing and publishing .....	95	108	5.1	6.0	4.6	5.2	5.8	7.0
Chemicals and allied products .....	58	58	4.4	4.1	4.0	3.6	5.1	5.2
Rubber and miscellaneous plastics products .....	37	63	5.1	7.6	3.0	5.4	8.8	11.5
Other nondurable goods industries .....	21	32	5.9	8.5	3.9	10.9	9.8	4.7
Transportation and public utilities .....	253	347	3.8	5.2	4.2	5.2	2.8	5.1
Transportation .....	183	258	4.7	6.5	5.5	6.4	2.2	6.8
Communications and other public utilities .....	70	89	2.6	3.2	2.2	3.0	3.3	3.6
Wholesale and retail trade .....	1,584	1,721	6.7	7.1	6.3	6.4	7.0	7.9
Wholesale trade .....	183	226	4.1	5.1	3.7	4.7	5.0	6.1
Retail trade .....	1,400	1,495	7.3	7.6	7.3	7.0	7.3	8.2
Finance, insurance, and real estate .....	210	310	2.8	4.3	3.0	4.5	2.7	4.2
Service industries .....	1,384	1,626	5.2	6.0	5.2	6.6	5.2	5.6
Professional services .....	499	553	3.3	3.5	2.7	3.4	3.5	3.6
Other service industries .....	885	1,073	7.7	9.3	7.1	9.0	8.3	9.6
Agricultural wage and salary workers .....	189	251	10.6	13.4	9.9	13.5	12.8	13.1
Government, self-employed, and unpaid family workers .....	749	807	2.6	2.7	2.8	2.7	2.3	2.7
No previous work experience .....	648	764	-	-	-	-	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-14. Unemployed persons by reason for unemployment, sex, and race**

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	7,211	8,286	3,422	3,983	2,643	3,082	1,145	1,221	5,274	6,346	1,639	1,635
Job losers .....	3,743	4,556	2,380	2,849	1,125	1,437	238	269	2,802	3,589	791	835
On layoff .....	1,104	1,112	762	762	297	308	45	41	905	952	156	140
Other job losers .....	2,639	3,444	1,619	2,087	828	1,129	193	227	1,897	2,637	635	695
Job leavers .....	1,002	1,004	379	402	450	417	174	185	762	818	210	154
Reentrants .....	1,878	2,033	596	649	945	1,084	338	299	1,338	1,462	448	469
New entrants .....	587	694	68	83	124	144	395	467	373	477	190	177
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	51.9	55.0	69.6	71.5	42.5	46.6	20.8	22.0	53.1	56.6	48.3	51.1
On layoff .....	15.3	13.4	22.3	19.1	11.2	10.0	3.9	3.4	17.2	15.0	9.5	8.6
Other job losers .....	36.6	41.6	47.3	52.4	31.3	36.6	16.9	18.6	36.0	41.6	38.7	42.5
Job leavers .....	13.9	12.1	11.1	10.1	17.0	13.5	15.2	15.2	14.4	12.9	12.8	9.4
Reentrants .....	26.0	24.5	17.4	16.3	35.7	35.2	29.5	24.5	25.4	23.0	27.3	28.7
New entrants .....	8.1	8.4	2.0	2.1	4.7	4.7	34.5	38.2	7.1	7.5	11.6	10.8
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.0	3.6	3.7	4.4	2.1	2.7	3.5	4.1	2.6	3.3	5.8	6.2
Job leavers .....	.8	.8	.6	.6	.8	.8	2.5	2.9	.7	.8	1.5	1.1
Reentrants .....	1.5	1.6	.9	1.0	1.8	2.0	5.0	4.6	1.2	1.4	3.3	3.5
New entrants .....	.5	.6	.1	.1	.2	.3	5.8	7.2	.3	.4	1.4	1.3

**A-15. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment**

(Percent distribution)

Reason, sex, and age	November 1991						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	8,286	100.0	39.9	30.9	29.2	14.0	15.2
Job losers .....	4,556	100.0	35.1	29.4	35.5	16.5	19.0
On layoff .....	1,112	100.0	58.2	21.5	20.4	11.9	8.5
Other job losers .....	3,444	100.0	27.7	31.9	40.4	18.0	22.4
Job leavers .....	1,004	100.0	43.2	34.4	22.4	10.8	11.6
Reentrants .....	2,033	100.0	45.4	33.3	21.2	10.1	11.2
New entrants .....	694	100.0	50.1	29.1	20.8	13.8	7.0
Men, 20 years and over .....	3,983	100.0	36.4	30.1	33.5	14.7	18.9
Job losers .....	2,849	100.0	36.0	29.1	34.9	15.0	19.9
On layoff .....	762	100.0	60.8	20.3	19.0	11.2	7.8
Other job losers .....	2,087	100.0	27.0	32.3	40.7	16.4	24.3
Job leavers .....	402	100.0	36.7	33.7	29.6	13.5	16.2
Reentrants .....	649	100.0	38.0	33.5	28.5	12.7	15.8
New entrants .....	83	100.0	32.6	22.7	44.8	24.0	20.7
Women, 20 years and over .....	3,082	100.0	39.6	30.7	29.7	14.8	14.9
Job losers .....	1,437	100.0	31.8	28.5	39.7	20.0	19.7
On layoff .....	308	100.0	49.7	25.3	25.1	14.6	10.5
Other job losers .....	1,129	100.0	26.9	29.4	43.7	21.5	22.2
Job leavers .....	417	100.0	43.7	33.8	22.5	11.3	11.2
Reentrants .....	1,084	100.0	48.0	32.2	19.8	9.1	10.6
New entrants .....	144	100.0	42.6	32.1	25.3	15.3	10.0
Both sexes, 16 to 19 years .....	1,221	100.0	52.2	34.1	13.7	9.9	3.8
Job losers .....	269	100.0	43.4	37.4	19.2	13.4	5.7
On layoff .....	41	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	227	100.0	38.0	41.5	20.5	15.2	5.4
Job leavers .....	185	100.0	56.5	37.0	6.5	4.0	2.5
Reentrants .....	299	100.0	52.2	36.9	10.9	7.8	3.0
New entrants .....	467	100.0	55.6	29.3	15.1	11.5	3.7

<sup>1</sup> Data not shown where base is less than 75,000.

**A-16. Unemployed persons by duration of unemployment**

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
Total, 16 years and over .....	7,211	8,286	100.0	100.0	5,809	6,649	100.0	100.0
Less than 5 weeks .....	3,326	3,306	46.1	39.9	2,489	2,404	42.8	36.2
5 to 14 weeks .....	2,255	2,562	31.3	30.9	1,839	2,065	31.7	31.1
5 to 10 weeks .....	1,644	1,863	22.8	22.5	1,347	1,474	23.2	22.2
11 to 14 weeks .....	611	699	8.5	8.4	492	591	8.5	8.9
15 weeks and over .....	1,630	2,418	22.6	29.2	1,481	2,180	25.5	32.8
15 to 26 weeks .....	866	1,160	12.0	14.0	789	1,052	13.6	15.8
27 weeks and over .....	764	1,257	10.6	15.2	692	1,128	11.9	17.0
27 to 51 weeks .....	348	644	4.8	7.8	331	582	5.7	8.7
52 weeks and over .....	416	614	5.8	7.4	361	546	6.2	8.2
Average (mean) duration, in weeks .....	12.4	14.8	-	-	13.3	16.0	-	-
Median duration, in weeks .....	5.4	7.1	-	-	6.1	8.1	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-17. Unemployed persons by sex, age, race, marital status, and duration of unemployment**

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
	November 1991										
Total, 16 years and over .....	8,286	3,306	2,562	1,160	1,257	14.8	7.1	46.1	39.9	22.6	29.2
16 to 19 years .....	1,221	637	416	121	46	8.1	4.3	60.6	52.2	13.3	13.7
20 to 24 years .....	1,445	681	465	166	134	11.0	5.2	52.5	47.1	14.9	20.7
25 to 34 years .....	2,371	908	789	349	325	14.0	7.1	44.1	38.3	22.6	28.4
35 to 44 years .....	1,690	558	543	280	310	17.1	9.0	40.9	33.0	27.2	34.9
45 to 54 years .....	965	335	229	163	238	20.2	9.9	39.7	34.7	31.8	41.6
55 to 64 years .....	472	145	97	68	163	24.8	13.6	33.3	30.7	33.0	48.9
65 years and over .....	123	43	24	15	41	29.3	12.6	30.2	35.1	32.0	45.7
Men, 16 years and over .....	4,669	1,770	1,451	669	780	15.9	7.6	44.6	37.9	25.2	31.0
16 to 19 years .....	686	322	251	85	29	8.7	5.1	58.7	46.9	15.7	16.5
20 to 24 years .....	775	347	263	92	72	11.3	5.8	50.5	44.7	17.8	21.3
25 to 34 years .....	1,321	491	443	200	187	14.4	7.4	42.4	37.1	25.6	29.3
35 to 44 years .....	980	313	296	161	210	18.6	9.2	40.2	32.0	27.4	37.8
45 to 54 years .....	549	178	113	94	164	23.3	12.8	36.7	32.5	34.1	47.0
55 to 64 years .....	280	91	69	32	87	24.4	10.4	36.5	32.6	37.7	42.8
65 years and over .....	79	28	15	5	31	31.8	12.8	( <sup>1</sup> )	35.5	( <sup>1</sup> )	44.9
Women, 16 years and over .....	3,617	1,536	1,112	492	477	13.4	6.6	48.2	42.5	19.3	26.8
16 to 19 years .....	534	316	165	36	18	7.4	3.8	62.9	59.1	10.3	10.0
20 to 24 years .....	670	334	202	73	61	10.5	4.5	55.1	49.8	11.3	20.1
25 to 34 years .....	1,050	417	345	149	138	13.4	6.8	46.0	39.8	19.3	27.3
35 to 44 years .....	710	244	247	119	100	15.0	8.7	41.8	34.4	26.9	30.8
45 to 54 years .....	417	156	117	70	74	16.1	7.9	44.0	37.5	28.5	34.5
55 to 64 years .....	192	53	28	35	75	25.2	19.5	26.3	27.8	22.3	57.7
65 years and over .....	44	15	8	10	11	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,346	2,600	1,935	852	959	14.5	6.6	48.0	41.0	22.1	28.5
Men .....	3,698	1,436	1,130	513	621	15.6	7.2	46.9	38.8	24.6	30.6
Women .....	2,647	1,164	805	339	338	12.9	6.0	49.6	44.0	18.8	25.6
Black, 16 years and over .....	1,635	600	521	256	258	16.0	8.3	39.5	36.7	24.8	31.4
Men .....	794	271	262	125	136	17.2	8.7	35.2	34.2	27.8	32.9
Women .....	841	329	259	131	122	14.8	7.9	44.2	39.1	21.5	30.1
Men, 16 years and over:											
Married, spouse present .....	1,876	668	514	295	400	18.6	9.0	40.2	35.6	29.5	37.0
Widowed, divorced, or separated .....	600	205	173	87	134	18.4	8.9	44.8	34.2	25.7	37.0
Single (never married) .....	2,194	897	764	286	246	12.9	6.3	48.0	40.9	21.5	24.2
Women, 16 years and over:											
Married, spouse present .....	1,415	591	447	177	200	13.3	6.9	47.7	41.8	20.8	26.6
Widowed, divorced, or separated .....	772	272	232	131	137	16.2	8.3	40.8	35.2	24.0	34.6
Single (never married) .....	1,430	673	432	184	140	11.8	5.3	52.9	47.1	15.0	22.7

<sup>1</sup> Data not shown where base is less than 75,000.



A-18. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
	November 1991										
<b>OCCUPATION</b>											
Managerial and professional specialty .....	852	251	248	175	178	19.0	11.2	37.8	29.5	33.5	41.4
Technical, sales, and administrative support .....	1,938	710	560	334	335	16.1	8.2	44.0	36.6	23.4	34.5
Service occupations .....	1,424	587	513	143	181	13.2	6.6	48.8	41.2	18.5	22.8
Precision production, craft, and repair .....	1,099	438	310	160	191	15.3	7.2	41.4	39.9	24.5	31.9
Operators, fabricators, and laborers .....	1,845	747	568	229	300	15.4	7.0	48.7	40.5	22.1	28.7
Farming, forestry, and fishing .....	324	176	117	16	16	8.0	4.2	54.2	54.3	16.5	9.6
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	251	141	82	19	9	8.2	4.0	58.7	56.2	9.0	11.2
Construction .....	919	420	273	107	119	12.7	5.5	53.6	45.7	19.6	24.5
Manufacturing .....	1,497	520	430	230	317	18.1	9.1	40.6	34.7	27.6	36.5
Durable goods .....	821	266	229	135	191	19.1	9.9	42.1	32.4	26.6	39.7
Nondurable goods .....	677	253	202	95	126	16.8	8.2	38.0	37.4	29.3	32.6
Transportation and public utilities .....	383	140	115	43	85	18.0	8.2	38.0	36.6	28.6	33.4
Wholesale and retail trade .....	1,731	712	552	250	216	13.4	6.6	49.4	41.1	19.1	27.0
Finance and service industries .....	2,206	800	704	327	375	16.1	8.2	43.7	36.3	23.7	31.8
Public administration .....	217	67	75	48	27	15.0	8.8	35.9	30.9	32.9	34.6
No previous work experience .....	764	385	228	100	52	10.5	4.5	52.3	50.4	18.1	19.9

<sup>1</sup> Includes wage and salary workers only.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-19. Unemployed jobseekers by sex, age, race, and jobsearch methods used**

Sex, age, and race	November 1991								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over .....	8,286	7,080	25.4	8.5	71.5	39.1	21.3	6.0	1.72
16 to 19 years .....	1,221	1,163	11.8	3.4	81.5	23.2	15.5	4.9	1.40
20 to 24 years .....	1,445	1,239	23.0	5.4	71.2	40.7	19.8	5.7	1.66
25 to 34 years .....	2,371	2,002	28.2	10.3	69.7	44.8	21.9	5.1	1.80
35 to 44 years .....	1,690	1,438	32.9	10.4	70.5	43.0	26.3	6.7	1.90
45 to 54 years .....	965	765	29.1	11.7	68.8	40.7	23.5	6.6	1.80
55 to 64 years .....	472	361	27.8	10.7	61.3	34.1	19.1	10.5	1.63
65 years and over .....	123	112	13.1	8.4	69.1	37.5	15.3	9.0	1.52
Men, 16 years and over .....	4,669	3,822	27.5	9.0	73.0	38.0	23.4	7.0	1.78
16 to 19 years .....	686	645	14.0	4.8	81.0	22.5	14.2	5.4	1.42
20 to 24 years .....	775	631	26.2	4.5	71.7	38.5	22.4	6.6	1.70
25 to 34 years .....	1,321	1,053	28.5	10.2	73.0	45.5	25.4	6.4	1.89
35 to 44 years .....	980	791	35.9	11.8	72.9	41.4	29.9	8.1	2.00
45 to 54 years .....	549	420	32.8	12.6	68.8	40.2	24.6	7.3	1.86
55 to 64 years .....	280	210	33.3	11.2	60.6	32.9	19.6	11.8	1.69
65 years and over .....	79	72	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,617	3,258	22.9	7.8	69.9	40.3	18.8	4.8	1.64
16 to 19 years .....	534	518	9.1	1.6	82.1	24.2	17.0	4.4	1.38
20 to 24 years .....	670	608	19.6	6.3	70.7	42.9	17.0	4.8	1.61
25 to 34 years .....	1,050	949	27.9	10.4	66.1	44.0	18.1	3.6	1.70
35 to 44 years .....	710	647	29.2	8.8	67.7	44.9	21.8	4.9	1.77
45 to 54 years .....	417	345	24.6	10.5	68.9	41.3	22.2	5.8	1.73
55 to 64 years .....	192	151	20.2	10.0	62.2	35.8	18.3	8.6	1.55
65 years and over .....	44	40	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,346	5,312	24.7	8.3	72.4	39.2	21.6	6.0	1.72
Men .....	3,698	2,945	27.1	8.6	74.2	37.7	23.7	7.0	1.78
Women .....	2,647	2,366	21.6	8.0	70.2	41.1	19.0	4.8	1.65
Black, 16 years and over .....	1,635	1,485	27.6	9.4	70.3	38.5	19.0	5.7	1.70
Men .....	794	709	29.4	11.3	69.2	40.2	20.8	6.8	1.78
Women .....	841	776	25.9	7.6	71.4	36.9	17.5	4.7	1.64

<sup>1</sup> Data not shown where base is less than 75,000.  
 NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within 30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**A-20. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used**

Sex and reason	November 1991								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over .....	8,286	7,080	25.4	8.5	71.5	39.1	21.3	6.0	1.72
Job losers <sup>1</sup> .....	4,556	3,417	32.0	11.3	70.6	43.8	24.8	6.2	1.89
Job leavers .....	1,004	972	21.7	9.5	77.3	37.6	16.9	3.5	1.67
Reentrants .....	2,033	1,999	20.5	5.1	69.7	37.8	18.5	6.3	1.58
New entrants .....	694	691	12.0	2.8	73.6	21.6	18.2	7.7	1.36
Men, 16 years and over .....	4,669	3,822	27.5	9.0	73.0	38.0	23.4	7.0	1.78
Job losers <sup>1</sup> .....	3,038	2,228	32.2	11.2	72.4	42.3	25.7	6.9	1.91
Job leavers .....	509	488	24.4	7.7	77.8	35.2	21.1	3.5	1.70
Reentrants .....	823	808	21.6	5.4	71.3	33.1	21.0	9.2	1.62
New entrants .....	299	298	13.4	4.6	74.2	24.5	16.8	7.8	1.41
Women, 16 years and over .....	3,617	3,258	22.9	7.8	69.9	40.3	18.8	4.8	1.64
Job losers <sup>1</sup> .....	1,518	1,188	31.6	11.4	67.3	46.6	23.2	4.7	1.85
Job leavers .....	495	485	19.0	11.3	76.9	39.9	12.7	3.5	1.63
Reentrants .....	1,209	1,192	19.7	5.0	68.5	41.0	16.8	4.4	1.55
New entrants .....	395	393	10.8	1.5	73.2	19.3	19.4	7.6	1.32

<sup>1</sup> Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.  
 NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within 30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**A-21. Employed civilians in agriculture and nonagricultural industries by age and sex**

(In thousands)

Industry and age	Total		Men		Women	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
All industries .....	117,611	117,110	64,137	63,538	53,474	53,572
16 to 19 years .....	5,660	5,271	2,937	2,662	2,723	2,609
16 to 17 years .....	2,096	1,966	1,074	957	1,021	1,009
18 to 19 years .....	3,564	3,305	1,863	1,705	1,702	1,600
20 to 24 years .....	12,428	12,127	6,459	6,321	5,969	5,805
25 to 54 years .....	84,612	85,093	46,258	46,263	38,355	38,830
25 to 34 years .....	33,710	32,943	18,683	18,179	15,027	14,764
35 to 44 years .....	30,951	31,670	16,778	17,048	14,173	14,622
45 to 54 years .....	19,951	20,479	10,797	11,035	9,154	9,444
55 to 64 years .....	11,554	11,276	6,609	6,397	4,946	4,879
55 to 59 years .....	6,913	6,734	3,910	3,773	3,004	2,960
60 to 64 years .....	4,641	4,542	2,699	2,623	1,942	1,919
65 years and over .....	3,356	3,344	1,875	1,895	1,481	1,449
Agriculture .....	3,056	3,181	2,416	2,497	640	684
16 to 19 years .....	186	156	155	133	31	23
16 to 17 years .....	84	67	75	52	9	16
18 to 19 years .....	103	89	81	82	22	7
20 to 24 years .....	329	292	287	243	42	49
25 to 54 years .....	1,878	1,939	1,427	1,475	451	464
25 to 34 years .....	762	839	607	654	155	184
35 to 44 years .....	678	656	508	494	170	161
45 to 54 years .....	438	445	312	326	126	119
55 to 64 years .....	418	491	329	393	89	98
55 to 59 years .....	221	254	166	198	55	56
60 to 64 years .....	196	237	163	195	34	42
65 years and over .....	245	302	218	253	27	50
Nonagricultural industries .....	114,555	113,929	61,721	61,041	52,834	52,888
16 to 19 years .....	5,474	5,115	2,782	2,529	2,692	2,586
16 to 17 years .....	2,012	1,899	1,000	905	1,012	993
18 to 19 years .....	3,462	3,216	1,782	1,624	1,680	1,592
20 to 24 years .....	12,099	11,835	6,171	6,078	5,927	5,756
25 to 54 years .....	82,734	83,153	44,830	44,788	37,904	38,365
25 to 34 years .....	32,949	32,105	18,076	17,525	14,872	14,580
35 to 44 years .....	30,273	31,015	16,270	16,554	14,003	14,461
45 to 54 years .....	19,513	20,034	10,485	10,709	9,028	9,325
55 to 64 years .....	11,137	10,784	6,280	6,003	4,857	4,781
55 to 59 years .....	6,692	6,480	3,743	3,575	2,948	2,905
60 to 64 years .....	4,445	4,305	2,536	2,428	1,908	1,876
65 years and over .....	3,111	3,042	1,657	1,642	1,454	1,400

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-22. Employed civilians by occupation, sex, and age**

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
Total .....	117,611	117,110	64,137	63,538	61,200	60,876	53,474	53,572	50,751	50,963
Managerial and professional specialty .....	30,858	31,313	16,681	16,696	16,591	16,602	14,177	14,617	14,060	14,495
Executive, administrative, and managerial .....	14,716	14,985	8,855	8,941	8,821	8,907	5,861	6,044	5,826	6,011
Officials and administrators, public administration .....	533	545	326	318	326	318	207	227	207	227
Other executive, administrative, and managerial .....	10,452	10,545	6,683	6,747	6,652	6,716	3,768	3,798	3,739	3,770
Management-related occupations .....	3,731	3,895	1,845	1,876	1,842	1,873	1,886	2,019	1,880	2,013
Professional specialty .....	16,142	16,329	7,826	7,755	7,770	7,695	8,317	8,573	8,234	8,484
Engineers .....	1,877	1,766	1,728	1,607	1,607	1,604	149	159	149	159
Mathematical and computer scientists .....	927	839	583	521	582	521	344	319	342	317
Natural scientists .....	395	468	310	347	310	345	86	121	85	121
Health diagnosing occupations .....	908	914	733	741	726	741	175	174	175	174
Health assessment and treating occupations .....	2,373	2,483	330	349	329	348	2,043	2,135	2,040	2,133
Teachers, college and university .....	784	866	471	471	470	467	313	395	304	387
Teachers, except college and university .....	4,184	4,181	1,130	1,072	1,117	1,057	3,054	3,110	3,015	3,071
Lawyers and judges .....	787	772	628	621	628	621	160	151	160	151
Other professional specialty occupations .....	3,907	4,038	1,914	2,027	1,880	1,993	1,993	2,011	1,964	1,971
Technical, sales, and administrative support .....	36,531	36,017	12,839	12,782	12,224	12,189	23,691	23,235	22,168	21,813
Technicians and related support .....	3,852	3,814	1,985	1,940	1,950	1,924	1,867	1,874	1,840	1,861
Health technologists and technicians .....	1,309	1,363	237	245	232	245	1,072	1,118	1,065	1,116
Engineering and science technicians .....	1,226	1,122	944	893	922	880	282	228	277	227
Technicians, except health, engineering, and science .....	1,317	1,330	804	802	796	799	513	528	498	518
Sales occupations .....	13,976	14,089	7,059	7,142	6,707	6,749	6,917	6,948	5,994	6,026
Supervisors and proprietors .....	3,659	3,637	2,333	2,389	2,312	2,367	1,326	1,248	1,291	1,227
Sales representatives, finance and business services .....	2,413	2,324	1,365	1,351	1,353	1,347	1,048	972	1,033	951
Sales representatives, commodities, except retail .....	1,694	1,567	1,342	1,229	1,320	1,221	353	338	347	332
Sales workers, retail and personal services .....	6,141	6,500	1,993	2,158	1,696	1,799	4,148	4,342	3,283	3,475
Sales-related occupations .....	68	62	26	15	26	15	42	47	40	41
Administrative support, including clerical .....	18,703	18,114	3,795	3,700	3,566	3,516	14,908	14,414	14,334	13,926
Supervisors .....	790	739	313	315	313	314	477	425	474	424
Computer equipment operators .....	775	699	276	258	261	253	498	441	484	430
Secretaries, stenographers, and typists .....	4,559	4,426	92	71	86	67	4,467	4,355	4,364	4,256
Financial records processing .....	2,397	2,272	192	183	188	177	2,205	2,090	2,159	2,053
Mail and message distributing .....	978	955	620	594	590	575	358	361	344	353
Other administrative support, including clerical .....	9,204	9,021	2,302	2,280	2,129	2,130	6,902	6,742	6,509	6,410
Service occupations .....	15,747	16,034	6,308	6,416	5,453	5,575	9,438	9,618	8,585	8,732
Private household .....	792	739	38	33	32	23	753	706	651	608
Protective service .....	1,972	1,958	1,707	1,655	1,668	1,633	264	303	250	288
Service, except private household and protective .....	12,983	13,337	4,563	4,728	3,753	3,919	8,421	8,609	7,685	7,836
Food service .....	5,279	5,513	2,177	2,300	1,546	1,676	3,102	3,213	2,585	2,697
Health service .....	2,068	2,171	180	241	166	236	1,888	1,929	1,817	1,854
Cleaning and building service .....	3,172	3,031	1,768	1,723	1,645	1,599	1,404	1,308	1,351	1,255
Personal service .....	2,465	2,622	437	463	397	408	2,027	2,159	1,932	2,030
Precision production, craft, and repair .....	13,494	13,116	12,315	11,944	12,074	11,798	1,178	1,172	1,151	1,155
Mechanics and repairers .....	4,389	4,483	4,233	4,305	4,142	4,260	155	178	153	178
Construction trades .....	5,108	4,667	4,994	4,584	4,883	4,522	114	83	107	83
Other precision production, craft, and repair .....	3,997	3,967	3,088	3,055	3,049	3,017	909	911	891	895
Operators, fabricators, and laborers .....	17,823	17,394	13,320	13,004	12,369	12,168	4,503	4,390	4,329	4,246
Machine operators, assemblers, and inspectors .....	8,081	7,650	4,879	4,618	4,755	4,462	3,202	3,032	3,124	2,975
Manufacturing industries .....	6,549	6,265	3,946	3,753	3,850	3,646	2,603	2,512	2,543	2,468
Durable goods .....	3,604	3,354	2,533	2,347	2,488	2,280	1,071	1,007	1,058	994
Nondurable goods .....	2,945	2,911	1,413	1,405	1,362	1,367	1,532	1,506	1,485	1,474
Nonmanufacturing industries .....	1,532	1,386	933	866	905	815	599	520	581	507
Transportation and material moving occupations .....	5,025	5,027	4,591	4,529	4,436	4,430	434	497	431	494
Motor vehicle operators .....	3,706	3,834	3,316	3,391	3,191	3,299	389	442	387	439
Other transportation and material moving occupations .....	1,319	1,193	1,275	1,138	1,245	1,131	44	55	44	55
Handlers, equipment cleaners, helpers, and laborers .....	4,718	4,717	3,850	3,857	3,178	3,277	867	860	773	777
Construction laborers .....	746	711	713	697	649	651	34	14	34	10
Other handlers, equipment cleaners, helpers, and laborers .....	3,971	4,006	3,137	3,159	2,529	2,625	833	846	739	766
Farming, forestry, and fishing .....	3,158	3,235	2,673	2,695	2,489	2,543	486	540	457	522
Farm operators and managers .....	1,173	1,268	986	1,016	978	1,007	186	251	187	250
Other farming, forestry, and fishing occupations .....	1,986	1,967	1,686	1,679	1,511	1,537	299	288	271	272

**A-23. Employed civilians by occupation, race, and sex**

(Percent distribution)

Occupation and race	Total		Men		Women	
	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	117,611	117,110	64,137	63,538	53,474	53,572
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	26.2	26.7	26.0	26.3	26.5	27.3
Executive, administrative, and managerial .....	12.5	12.8	13.8	14.1	11.0	11.3
Professional specialty .....	13.7	13.9	12.2	12.2	15.6	16.0
Technical, sales, and administrative support .....	31.1	30.8	20.0	20.1	44.3	43.4
Technicians and related support .....	3.3	3.3	3.1	3.1	3.5	3.5
Sales occupations .....	11.9	12.0	11.0	11.2	12.9	13.0
Administrative support, including clerical .....	15.9	15.5	5.9	5.8	27.9	26.9
Service occupations .....	13.4	13.7	9.8	10.1	17.7	18.0
Private household .....	.7	.6	.1	.1	1.4	1.3
Protective service .....	1.7	1.7	2.7	2.6	.5	.6
Service, except private household and protective .....	11.0	11.4	7.1	7.4	15.7	16.1
Precision production, craft, and repair .....	11.5	11.2	19.2	18.8	2.2	2.2
Operators, fabricators, and laborers .....	15.2	14.9	20.8	20.5	8.4	8.2
Machine operators, assemblers, and inspectors .....	6.9	6.5	7.6	7.3	6.0	5.7
Transportation and material moving occupations .....	4.3	4.3	7.2	7.1	.8	.9
Handlers, equipment cleaners, helpers, and laborers .....	4.0	4.0	6.0	6.1	1.6	1.6
Farming, forestry, and fishing .....	2.7	2.8	4.2	4.2	.9	1.0
<b>White</b>						
Total, 16 years and over (thousands) .....	101,739	101,205	56,097	55,449	45,641	45,756
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	27.4	27.9	27.3	27.6	27.6	28.3
Executive, administrative, and managerial .....	13.2	13.5	14.6	14.8	11.4	11.9
Professional specialty .....	14.2	14.4	12.6	12.7	16.1	16.5
Technical, sales, and administrative support .....	31.4	31.1	20.1	20.2	45.2	44.3
Technicians and related support .....	3.3	3.3	3.1	3.1	3.4	3.5
Sales occupations .....	12.4	12.5	11.5	11.7	13.5	13.4
Administrative support, including clerical .....	15.7	15.3	5.4	5.4	28.3	27.4
Service occupations .....	12.1	12.5	8.8	9.1	16.2	16.6
Private household .....	.6	.6	-	-	1.2	1.2
Protective service .....	1.6	1.6	2.5	2.5	.4	.5
Service, except private household and protective .....	10.0	10.4	6.3	6.6	14.7	15.0
Precision production, craft, and repair .....	11.9	11.6	19.7	19.4	2.2	2.1
Operators, fabricators, and laborers .....	14.4	14.0	19.7	19.4	7.8	7.5
Machine operators, assemblers, and inspectors .....	6.5	6.0	7.4	6.8	5.4	5.1
Transportation and material moving occupations .....	4.1	4.1	6.8	6.8	.8	.9
Handlers, equipment cleaners, helpers, and laborers .....	3.8	3.9	5.6	5.8	1.5	1.5
Farming, forestry, and fishing .....	2.9	2.9	4.4	4.4	1.0	1.1
<b>Black</b>						
Total, 16 years and over (thousands) .....	11,969	11,847	5,931	5,925	6,038	5,922
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	16.1	16.5	13.1	13.3	19.0	19.7
Executive, administrative, and managerial .....	7.2	7.5	6.7	7.6	7.6	7.4
Professional specialty .....	8.9	9.0	6.4	5.8	11.4	12.3
Technical, sales, and administrative support .....	28.6	28.2	18.3	18.3	38.7	38.2
Technicians and related support .....	3.1	2.7	2.2	2.1	3.9	3.3
Sales occupations .....	7.5	8.1	5.9	6.4	9.0	9.8
Administrative support, including clerical .....	18.1	17.5	10.2	9.8	25.7	25.1
Service occupations .....	23.2	22.5	18.6	17.9	27.7	27.2
Private household .....	1.6	1.1	.2	.1	3.0	2.2
Protective service .....	2.9	2.5	4.6	3.9	1.3	1.2
Service, except private household and protective .....	18.6	18.9	13.8	13.9	23.4	23.8
Precision production, craft, and repair .....	8.7	8.8	15.5	15.4	1.9	2.2
Operators, fabricators, and laborers .....	21.9	22.0	31.6	31.7	12.5	12.3
Machine operators, assemblers, and inspectors .....	9.4	10.1	9.8	11.1	9.1	9.1
Transportation and material moving occupations .....	6.3	6.3	11.7	11.5	1.1	1.2
Handlers, equipment cleaners, helpers, and laborers .....	6.2	5.5	10.1	9.1	2.3	2.0
Farming, forestry, and fishing .....	1.5	1.9	2.9	3.4	.2	.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-24. Employed civilians by age, sex, and class of worker**

(In thousands)

Age and sex	November 1991								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over .....	104,674	938	18,122	85,614	9,029	226	1,614	1,462	105
16 to 19 years .....	5,035	119	281	4,636	76	3	120	17	19
16 to 17 years .....	1,871	73	47	1,750	26	1	44	8	15
18 to 19 years .....	3,164	45	233	2,885	50	2	76	8	4
20 to 24 years .....	11,534	125	1,080	10,329	267	34	226	58	8
25 to 34 years .....	30,077	180	4,189	25,708	1,986	42	530	289	19
35 to 44 years .....	28,268	169	5,989	22,111	2,699	48	315	328	12
45 to 54 years .....	17,918	120	4,132	13,666	2,061	55	195	232	17
55 to 64 years .....	9,396	152	2,022	7,222	1,368	21	159	316	16
55 to 59 years .....	5,749	75	1,266	4,408	716	15	89	156	9
60 to 64 years .....	3,647	78	755	2,814	652	7	70	159	8
65 years and over .....	2,447	73	429	1,944	572	23	69	222	12
Men, 16 years and over .....	55,252	107	8,320	46,826	5,739	50	1,265	1,198	34
16 to 19 years .....	2,487	20	113	2,354	38	4	104	15	14
16 to 17 years .....	894	16	10	868	10	2	36	6	10
18 to 19 years .....	1,593	4	104	1,485	28	2	69	8	4
20 to 24 years .....	5,901	23	434	5,444	160	18	187	49	6
25 to 34 years .....	16,289	22	2,023	14,243	1,228	8	407	241	7
35 to 44 years .....	14,863	15	2,670	12,178	1,686	5	228	265	2
45 to 54 years .....	9,392	11	1,873	7,508	1,316	1	148	178	-
55 to 64 years .....	5,066	12	980	4,074	937	-	134	258	1
55 to 59 years .....	3,084	7	592	2,485	491	-	74	124	-
60 to 64 years .....	1,982	5	388	1,589	447	-	60	134	1
65 years and over .....	1,255	3	227	1,025	374	13	57	192	4
Women, 16 years and over .....	49,422	831	9,802	38,788	3,290	176	350	264	70
16 to 19 years .....	2,548	99	167	2,282	38	-	16	2	5
16 to 17 years .....	977	57	38	882	17	-	8	2	5
18 to 19 years .....	1,571	41	130	1,400	22	-	8	-	-
20 to 24 years .....	5,633	101	647	4,885	107	16	38	9	2
25 to 34 years .....	13,788	157	2,166	11,465	758	33	124	49	12
35 to 44 years .....	13,405	154	3,319	9,933	1,013	43	87	64	10
45 to 54 years .....	8,526	109	2,259	6,157	745	54	48	54	17
55 to 64 years .....	4,330	140	1,042	3,148	430	21	25	58	15
55 to 59 years .....	2,665	67	675	1,923	225	14	15	32	9
60 to 64 years .....	1,665	73	367	1,224	205	7	10	26	7
65 years and over .....	1,191	70	202	919	198	10	12	30	8

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-25. Employed civilians by industry and occupation**

(In thousands)

Industry	November 1991												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,181	108	109	43	19	99	-	17	38	17	56	24	2,652
Mining .....	697	118	56	28	10	84	-	10	265	16	89	20	-
Construction .....	6,955	1,014	142	43	59	343	-	27	3,927	77	518	788	18
Manufacturing .....	20,368	2,479	1,799	714	722	2,237	-	346	3,837	6,265	811	1,072	84
Durable goods .....	11,922	1,542	1,140	485	299	1,182	-	173	2,698	3,354	418	551	78
Nondurable goods .....	8,446	937	659	229	423	1,055	-	174	1,139	2,911	393	521	6
Transportation and public utilities .....	8,289	1,030	386	325	343	2,197	-	262	1,294	104	1,875	462	10
Wholesale and retail trade .....	24,491	2,104	458	139	10,161	2,378	-	4,642	1,448	277	1,028	1,827	28
Wholesale trade .....	4,601	567	80	31	1,805	749	-	44	340	118	490	370	8
Retail trade .....	19,890	1,537	379	109	8,356	1,629	-	4,599	1,109	159	538	1,457	20
Finance, insurance, and real estate .....	7,646	2,030	166	151	1,878	2,878	-	284	159	13	11	28	47
Services .....	40,004	4,894	12,390	2,132	867	6,493	739	8,385	1,884	834	573	443	370
Private households .....	940	5	3	3	-	21	739	91	4	-	6	21	49
Other service industries .....	39,063	4,889	12,387	2,129	867	6,472	-	8,294	1,880	834	567	423	321
Professional services .....	26,413	2,698	11,019	1,742	171	4,815	-	4,837	414	208	328	81	100
Public administration .....	5,481	1,209	822	237	30	1,404	-	1,320	264	47	67	53	27

<sup>1</sup> Includes protective service, not shown separately.

**A-26. Employed civilians with a job but not at work by reason, sex, and pay status**

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Nov. 1990	Nov. 1991	Total		Wage and salary workers <sup>1</sup>			
			Nov. 1990	Nov. 1991	Paid absences		Unpaid absences	
					Nov. 1990	Nov. 1991	Nov. 1990	Nov. 1991
Total, 16 years and over .....	4,252	3,862	4,144	3,733	2,056	1,744	1,603	1,489
Vacation .....	1,866	1,444	1,832	1,407	1,242	982	411	264
Illness .....	1,288	1,290	1,258	1,267	565	544	605	616
Bad weather .....	30	79	24	54	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	15	20	15	20	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,053	1,030	1,016	985	249	218	588	610
Men, 16 years and over .....	2,288	2,039	2,207	1,932	1,170	964	697	655
Vacation .....	1,131	852	1,103	822	783	601	202	113
Illness .....	642	641	616	623	275	271	275	292
All other reasons <sup>3</sup> .....	515	546	487	487	112	92	221	250
Women, 16 years and over .....	1,964	1,822	1,937	1,801	885	781	906	835
Vacation .....	735	591	729	585	458	381	209	151
Illness .....	646	648	642	644	289	273	330	324
All other reasons <sup>3</sup> .....	583	583	567	572	137	127	367	360

<sup>1</sup> Excludes private household workers.

<sup>2</sup> Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

<sup>3</sup> Includes bad weather and industrial dispute, not shown separately.  
NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-27. Persons at work by hours of work and type of industry**

Hours of work	November 1991					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	113,248	3,053	110,195	100.0	100.0	100.0
1 to 34 hours .....	32,578	967	31,611	28.8	31.7	28.7
1 to 4 hours .....	817	45	772	.7	1.5	.7
5 to 14 hours .....	5,035	214	4,821	4.4	7.0	4.4
15 to 29 hours .....	14,310	460	13,850	12.6	15.1	12.6
30 to 34 hours .....	12,416	248	12,168	11.0	8.1	11.0
35 hours and over .....	80,670	2,086	78,585	71.2	68.3	71.3
35 to 39 hours .....	7,222	155	7,067	6.4	5.1	6.4
40 hours .....	41,071	683	40,389	36.3	22.4	36.7
41 hours and over .....	32,376	1,248	31,128	28.6	40.9	28.2
41 to 48 hours .....	10,935	230	10,705	9.7	7.5	9.7
49 to 59 hours .....	12,429	398	12,031	11.0	13.0	10.9
60 hours and over .....	9,012	620	8,392	8.0	20.3	7.6
Average hours, total at work .....	38.7	41.7	38.6	-	-	-
Average hours, workers on full-time schedules .....	43.3	49.3	43.1	-	-	-

**A-28. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status**

(Numbers in thousands)

Reason for working less than 35 hours	November 1991					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over .....	32,578	12,397	20,181	31,611	12,032	19,579
Economic reasons .....	6,338	2,156	4,182	6,018	1,998	4,020
Slack work .....	3,343	1,866	1,477	3,103	1,716	1,387
Material shortages or repairs to plant and equipment .....	37	37	-	35	35	-
New job started during week .....	157	157	-	154	154	-
Job terminated during week .....	97	97	-	93	93	-
Could find only part-time work .....	2,705	-	2,705	2,634	-	2,634
Other reasons .....	26,239	10,240	15,999	25,592	10,034	15,558
Does not want, or unavailable for, full-time work .....	13,293	-	13,293	12,978	-	12,978
Vacation .....	1,285	1,285	-	1,262	1,262	-
Illness .....	1,632	1,442	190	1,602	1,421	181
Bad weather .....	354	354	-	285	285	-
Industrial dispute .....	12	12	-	12	12	-
Legal or religious holiday .....	5,662	5,662	-	5,641	5,641	-
Full time for this job .....	1,738	-	1,738	1,697	-	1,697
All other reasons .....	2,263	1,485	778	2,115	1,413	702
Average hours:						
Economic reasons .....	22.3	24.3	21.2	22.3	24.5	21.3
Other reasons .....	22.9	28.7	19.1	23.0	28.8	19.2
Worked 30 to 34 hours:						
Economic reasons .....	2,048	996	1,052	1,971	947	1,024
Other reasons .....	10,368	7,493	2,875	10,197	7,391	2,806



**A-29. Persons at work in nonagricultural industries by class of worker and full- or part-time status**

(Numbers in thousands)

Industry	November 1991								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	110,195	6,018	15,558	88,619	57,490	10,705	20,424	38.6	43.1
Wage and salary workers .....	101,413	5,061	14,058	82,294	54,591	10,135	17,569	38.5	42.8
Mining .....	644	9	12	624	288	111	224	47.3	48.3
Construction .....	5,233	455	200	4,578	3,095	536	947	39.7	42.3
Manufacturing .....	19,339	537	616	18,186	11,745	2,737	3,704	42.0	43.2
Durable goods .....	11,311	249	239	10,823	6,928	1,648	2,247	42.4	43.2
Nondurable goods .....	8,028	288	376	7,364	4,817	1,090	1,457	41.3	43.1
Transportation and public utilities .....	7,571	206	416	6,949	4,437	861	1,651	41.6	43.5
Wholesale and retail trade .....	21,903	1,743	5,302	14,858	9,030	2,117	3,710	36.3	43.9
Finance, insurance, and real estate .....	6,867	180	612	6,075	4,338	569	1,169	39.1	41.6
Service industries .....	34,593	1,860	6,649	26,084	17,858	2,746	5,480	36.9	42.5
Private households .....	923	149	375	398	288	26	85	26.9	42.9
All other industries .....	33,670	1,711	6,273	25,686	17,570	2,721	5,396	37.2	42.5
Public administration .....	5,263	71	252	4,939	3,800	457	683	38.3	39.6
Self-employed workers .....	8,557	947	1,416	6,194	2,832	557	2,804	39.7	47.7
Unpaid family workers .....	226	11	84	131	67	13	50	36.6	48.0

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-30. Persons at work in nonagricultural industries by sex, age, race, marital status, and full- or part-time status**

(Numbers in thousands)

Sex, age, race, and marital status	November 1991							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Total, 16 years and over .....	110,195	6,018	15,558	88,619	57,490	31,128	38.6	43.1
16 to 19 years .....	4,984	479	3,320	1,184	949	235	22.2	40.1
16 to 17 years .....	1,838	65	1,666	108	92	16	15.8	36.2
18 to 19 years .....	3,145	415	1,654	1,076	857	219	26.0	40.3
20 years and over .....	105,212	5,539	12,239	87,434	56,541	30,893	39.4	43.2
20 to 24 years .....	11,533	1,001	2,620	7,912	5,660	2,251	35.1	41.8
25 years and over .....	93,679	4,538	9,618	79,523	50,881	28,642	39.9	43.3
25 to 44 years .....	61,296	2,974	5,218	53,104	33,581	19,523	40.4	43.3
45 to 64 years .....	29,519	1,432	2,964	25,123	16,377	8,746	40.0	43.3
65 years and over .....	2,863	133	1,435	1,295	921	375	28.5	41.8
<b>Men, 16 years and over</b> .....	59,109	2,898	4,655	51,556	29,739	21,817	41.6	44.7
16 to 19 years .....	2,470	243	1,545	682	523	158	23.6	41.0
16 to 17 years .....	878	41	771	66	54	12	16.6	( <sup>1</sup> )
18 to 19 years .....	1,592	202	774	616	470	146	27.5	41.2
20 years and over .....	56,639	2,655	3,110	50,874	29,215	21,659	42.3	44.8
20 to 24 years .....	5,942	497	1,083	4,363	2,938	1,424	36.9	42.8
25 years and over .....	50,696	2,158	2,027	46,512	26,277	20,235	43.0	45.0
25 to 44 years .....	33,172	1,492	734	30,946	17,245	13,701	43.5	45.0
45 to 64 years .....	15,992	611	569	14,812	8,547	6,265	43.1	44.9
65 years and over .....	1,533	54	724	755	486	269	30.5	43.3
<b>Women, 16 years and over</b> .....	51,087	3,120	10,904	37,063	27,752	9,311	35.2	40.9
16 to 19 years .....	2,513	236	1,774	503	426	77	20.9	38.8
16 to 17 years .....	961	23	895	42	38	4	15.0	( <sup>1</sup> )
18 to 19 years .....	1,553	213	879	461	388	73	24.5	39.1
20 years and over .....	48,573	2,884	9,129	36,560	27,326	9,234	35.9	40.9
20 to 24 years .....	5,590	504	1,538	3,549	2,722	827	33.2	40.7
25 years and over .....	42,983	2,381	7,591	33,011	24,604	8,407	36.3	41.0
25 to 44 years .....	28,124	1,480	4,484	22,160	16,339	5,821	36.8	41.0
45 to 64 years .....	13,529	821	2,397	10,311	7,832	2,479	36.2	41.0
65 years and over .....	1,331	78	712	541	435	105	26.2	39.7
<b>RACE</b>								
White, 16 years and over .....	95,027	4,859	13,927	76,240	47,979	28,262	38.7	43.4
Men .....	51,443	2,304	4,089	45,051	25,147	19,904	41.9	45.0
Women .....	43,583	2,555	9,838	31,190	22,832	8,358	35.0	41.1
Black, 16 years and over .....	11,273	909	1,066	9,297	7,302	1,996	37.8	41.2
Men .....	5,583	455	360	4,769	3,444	1,325	39.4	42.5
Women .....	5,690	455	707	4,528	3,858	671	36.3	39.8
<b>MARITAL STATUS</b>								
<b>Men, 16 years and over:</b>								
Married, spouse present .....	37,779	1,216	1,424	35,139	19,220	15,920	43.5	45.2
Widowed, divorced, or separated .....	6,151	425	259	5,468	3,184	2,284	42.3	44.8
Single (never married) .....	15,178	1,257	2,972	10,949	7,335	3,614	36.5	43.1
<b>Women, 16 years and over:</b>								
Married, spouse present .....	28,615	1,446	6,226	20,943	16,067	4,876	35.2	40.6
Widowed, divorced, or separated .....	10,238	807	1,218	8,213	5,849	2,364	37.5	41.6
Single (never married) .....	12,234	867	3,460	7,907	5,835	2,072	33.2	41.2

<sup>1</sup> Data not shown where base is less than 75,000.

A-31. Persons at work in nonfarm occupations by sex and full- or part-time status

(Numbers in thousands)

Occupation and sex	November 1991								Average hours, workers on full-time schedules
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over <sup>1</sup>	110,143	5,986	15,581	88,575	57,388	10,705	20,482	38.6	43.1
Managerial and professional specialty	30,372	686	2,938	26,749	15,012	3,187	8,550	41.6	44.5
Executive, administrative, and managerial	14,543	240	794	13,509	7,115	1,613	4,781	43.4	45.1
Professional specialty	15,829	446	2,144	13,239	7,897	1,574	3,769	39.9	43.9
Technical, sales, and administrative support	34,972	1,589	6,613	26,770	18,641	3,042	5,087	36.9	42.0
Technicians and related support	3,703	100	428	3,174	2,290	405	480	39.0	41.8
Sales occupations	13,676	886	3,081	9,709	5,127	1,278	3,304	38.0	45.4
Administrative support, including clerical	17,593	603	3,104	13,887	11,224	1,359	1,304	35.6	39.7
Service occupations	15,485	1,716	4,290	9,479	6,984	886	1,609	33.4	42.2
Private household	730	102	322	305	220	17	68	26.1	42.2
Protective service	1,882	72	166	1,645	1,019	249	376	41.3	44.4
Service, except private household and protective	12,873	1,542	3,802	7,529	5,744	620	1,164	32.7	41.7
Precision production, craft, and repair	12,536	815	345	11,376	7,266	1,610	2,499	41.4	43.4
Operators, fabricators, and laborers	16,777	1,179	1,395	14,202	9,485	1,980	2,737	39.7	43.1
Machine operators, assemblers, and inspectors	7,404	397	321	6,687	4,758	962	967	40.1	41.9
Transportation and material moving occupations	4,819	267	397	4,155	2,205	578	1,373	42.8	46.3
Handlers, equipment cleaners, helpers, and laborers	4,554	516	678	3,360	2,522	440	398	35.6	41.3
Men, 16 years and over <sup>1</sup>	58,911	2,867	4,622	51,423	29,576	6,754	15,093	41.6	44.8
Managerial and professional specialty	16,253	321	835	15,097	7,213	1,780	6,105	44.6	46.5
Executive, administrative, and managerial	8,673	149	275	8,250	3,704	971	3,575	45.6	46.9
Professional specialty	7,580	172	560	6,848	3,509	809	2,530	43.4	46.1
Technical, sales, and administrative support	12,466	425	1,385	10,656	5,782	1,447	3,428	41.6	45.2
Technicians and related support	1,894	62	110	1,722	1,143	218	362	41.4	43.3
Sales occupations	6,966	243	803	5,919	2,487	847	2,586	43.5	47.7
Administrative support, including clerical	3,606	119	472	3,015	2,152	382	480	37.9	41.5
Service occupations	6,235	559	1,221	4,455	3,129	468	858	36.3	43.1
Private household	33	7	9	17	9	-	8	( <sup>2</sup> )	( <sup>2</sup> )
Protective service	1,593	44	103	1,447	876	213	358	42.6	45.0
Service, except private household and protective	4,608	508	1,109	2,991	2,244	254	492	34.2	42.2
Precision production, craft, and repair	11,425	746	246	10,432	6,586	1,498	2,349	41.6	43.5
Operators, fabricators, and laborers	12,533	816	935	10,782	6,867	1,561	2,354	40.5	43.7
Machine operators, assemblers, and inspectors	4,471	174	144	4,153	2,796	646	711	41.2	42.6
Transportation and material moving occupations	4,340	221	264	3,855	2,023	533	1,299	43.6	46.5
Handlers, equipment cleaners, helpers, and laborers	3,722	421	527	2,774	2,048	382	344	35.9	41.4
Women, 16 years and over <sup>1</sup>	51,231	3,120	10,959	37,152	27,812	3,952	5,389	35.2	40.9
Managerial and professional specialty	14,119	365	2,103	11,651	7,799	1,407	2,445	38.1	41.9
Executive, administrative, and managerial	5,870	91	519	5,260	3,411	642	1,206	40.2	42.4
Professional specialty	8,249	273	1,585	6,391	4,388	764	1,239	36.6	41.6
Technical, sales, and administrative support	22,507	1,165	5,228	16,113	12,859	1,595	1,659	34.3	39.9
Technicians and related support	1,809	38	318	1,452	1,147	187	118	36.5	40.0
Sales occupations	6,711	643	2,278	3,789	2,640	431	718	32.3	41.9
Administrative support, including clerical	13,987	484	2,632	10,872	9,071	977	824	35.0	39.2
Service occupations	9,250	1,157	3,069	5,024	3,855	418	751	31.5	41.4
Private household	697	96	313	288	211	17	60	26.1	42.0
Protective service	289	28	63	197	144	36	18	33.6	40.2
Service, except private household and protective	8,264	1,033	2,693	4,538	3,500	366	672	31.9	41.4
Precision production, craft, and repair	1,111	69	98	944	681	113	150	38.5	41.9
Operators, fabricators, and laborers	4,244	363	461	3,420	2,618	419	384	37.3	41.0
Machine operators, assemblers, and inspectors	2,933	222	177	2,534	1,962	316	256	38.4	40.8
Transportation and material moving occupations	478	45	133	300	182	45	73	35.0	43.9
Handlers, equipment cleaners, helpers, and laborers	832	96	151	586	474	58	54	34.6	40.5

<sup>1</sup> Excludes farming, forestry, and fishing occupations.

<sup>2</sup> Data not shown where base is less than 75,000.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-32. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted**

(Numbers in thousands)

Employment status and sex	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	190,312	190,483	190,592	190,717	190,703	190,836	190,980	191,173	191,443	191,589	191,746	191,903	192,057
Labor force <sup>1</sup> .....	126,338	126,791	126,253	126,678	126,786	127,128	126,690	127,134	126,818	126,520	127,231	127,163	126,862
Percent of population <sup>2</sup> .....	66.4	66.6	66.2	66.4	66.5	66.6	66.3	66.5	66.2	66.0	66.4	66.3	66.1
Total employed <sup>1</sup> .....	119,001	119,191	118,537	118,520	118,214	118,854	118,049	118,389	118,316	118,032	118,789	118,581	118,363
Employment-population ratio <sup>3</sup> .....	62.5	62.6	62.2	62.1	62.0	62.3	61.8	61.9	61.8	61.6	62.0	61.8	61.6
Resident Armed Forces .....	1,615	1,617	1,615	1,602	1,460	1,456	1,458	1,505	1,604	1,616	1,624	1,614	1,605
Civilian employed .....	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967	116,758
Agriculture .....	3,185	3,253	3,163	3,222	3,098	3,156	3,272	3,308	3,239	3,266	3,306	3,195	3,302
Nonagricultural industries .....	114,201	114,321	113,759	113,696	113,656	114,243	113,319	113,576	113,474	113,150	113,859	113,772	113,457
Unemployed .....	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	8,501	8,488	8,442	8,582	8,499
Unemployment rate <sup>4</sup> .....	5.8	6.0	6.1	6.4	6.8	6.5	6.8	6.9	6.7	6.7	6.6	6.7	6.7
Not in labor force .....	63,974	63,692	64,339	64,039	63,917	63,708	64,291	64,039	64,625	65,069	64,515	64,740	65,195
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	91,440	91,537	91,590	91,650	91,587	91,652	91,720	91,839	92,023	92,100	92,185	92,270	92,356
Labor force <sup>1</sup> .....	69,899	70,058	69,543	69,749	69,808	69,855	69,704	69,793	69,821	69,652	70,261	69,998	69,831
Percent of population <sup>2</sup> .....	76.4	76.5	75.9	76.1	76.2	76.2	76.0	76.0	75.9	75.6	76.2	75.9	75.6
Total employed <sup>1</sup> .....	65,790	65,781	65,251	65,043	64,846	65,112	64,746	64,750	64,820	64,770	65,285	65,142	65,060
Employment-population ratio <sup>3</sup> .....	71.9	71.9	71.2	71.0	70.8	71.0	70.6	70.5	70.4	70.3	70.8	70.6	70.4
Resident Armed Forces .....	1,453	1,454	1,453	1,439	1,314	1,310	1,303	1,345	1,431	1,442	1,449	1,440	1,432
Civilian employed .....	64,337	64,327	63,798	63,604	63,532	63,802	63,443	63,405	63,389	63,328	63,836	63,702	63,628
Unemployed .....	4,109	4,277	4,292	4,706	4,962	4,743	4,957	5,043	5,001	4,882	4,976	4,856	4,771
Unemployment rate <sup>4</sup> .....	5.9	6.1	6.2	6.7	7.1	6.8	7.1	7.2	7.2	7.0	7.1	6.9	6.8
Not in labor force .....	21,541	21,479	22,047	21,901	21,779	21,797	22,017	22,046	22,202	22,448	21,924	22,272	22,525
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	98,872	98,946	99,002	99,067	99,116	99,184	99,260	99,334	99,421	99,489	99,561	99,633	99,701
Labor force <sup>1</sup> .....	56,439	56,733	56,710	56,929	56,978	57,273	56,986	57,341	56,997	56,868	56,971	57,165	57,031
Percent of population <sup>2</sup> .....	57.1	57.3	57.3	57.5	57.5	57.7	57.4	57.7	57.3	57.2	57.2	57.4	57.2
Total employed <sup>1</sup> .....	53,211	53,410	53,287	53,477	53,368	53,742	53,303	53,639	53,496	53,262	53,505	53,438	53,303
Employment-population ratio <sup>3</sup> .....	53.8	54.0	53.8	54.0	53.8	54.2	53.7	54.0	53.8	53.5	53.7	53.6	53.5
Resident Armed Forces .....	162	163	162	163	146	146	155	160	173	174	175	174	173
Civilian employed .....	53,049	53,247	53,125	53,314	53,222	53,596	53,148	53,479	53,323	53,088	53,330	53,264	53,130
Unemployed .....	3,228	3,323	3,423	3,452	3,610	3,531	3,683	3,702	3,500	3,606	3,466	3,726	3,728
Unemployment rate <sup>4</sup> .....	5.7	5.9	6.0	6.1	6.3	6.2	6.5	6.5	6.1	6.3	6.1	6.5	6.5
Not in labor force .....	42,433	42,213	42,292	42,138	42,138	41,911	42,274	41,993	42,424	42,621	42,590	42,468	42,670

<sup>1</sup> Includes members of the Armed Forces stationed in the United States.

<sup>2</sup> Labor force as a percent of the noninstitutional population.

<sup>3</sup> Total employment as a percent of the noninstitutional population.

<sup>4</sup> Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-32 through A-41 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

A-33. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	188,697	188,866	188,977	189,115	189,243	189,380	189,522	189,668	189,839	189,973	190,122	190,289	190,452
Civilian labor force .....	124,723	125,174	124,638	125,076	125,326	125,672	125,232	125,629	125,214	124,904	125,607	125,549	125,257
Percent of population .....	66.1	66.3	66.0	66.1	66.2	66.4	66.1	66.2	66.0	65.7	66.1	66.0	65.8
Employed .....	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967	116,758
Employment-population ratio <sup>2</sup> .....	62.2	62.3	61.9	61.8	61.7	62.0	61.5	61.6	61.5	61.3	61.6	61.5	61.3
Unemployed .....	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	8,501	8,488	8,442	8,582	8,499
Unemployment rate .....	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	6.8	6.8	6.7	6.8	6.8
<b>Men, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	89,987	90,083	90,137	90,211	90,273	90,342	90,417	90,494	90,592	90,658	90,736	90,830	90,924
Civilian labor force .....	68,446	68,604	68,090	68,310	68,494	68,545	68,401	68,448	68,390	68,210	68,812	68,558	68,399
Percent of population .....	76.1	76.2	75.5	75.7	75.9	75.9	75.7	75.6	75.5	75.2	75.8	75.5	75.2
Employed .....	64,337	64,327	63,798	63,604	63,532	63,802	63,443	63,405	63,389	63,328	63,836	63,702	63,628
Employment-population ratio <sup>2</sup> .....	71.5	71.4	70.8	70.5	70.4	70.6	70.2	70.1	70.0	69.9	70.4	70.1	70.0
Agriculture .....	2,518	2,572	2,466	2,520	2,456	2,504	2,596	2,640	2,586	2,580	2,594	2,535	2,590
Nonagricultural industries .....	61,819	61,755	61,331	61,084	61,076	61,298	60,847	60,765	60,803	60,748	61,241	61,167	61,038
Unemployed .....	4,109	4,277	4,292	4,706	4,962	4,743	4,957	5,043	5,001	4,882	4,976	4,856	4,771
Unemployment rate .....	6.0	6.2	6.3	6.9	7.2	6.9	7.2	7.4	7.3	7.2	7.2	7.1	7.0
Not in labor force .....	21,541	21,479	22,047	21,901	21,779	21,797	22,017	22,046	22,202	22,448	21,924	22,272	22,525
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	83,092	83,208	83,271	83,392	83,466	83,567	83,636	83,748	83,865	83,940	84,023	84,151	84,245
Civilian labor force .....	64,682	64,803	64,345	64,577	64,735	64,957	64,741	64,897	64,934	64,830	65,155	65,010	64,886
Percent of population .....	77.8	77.9	77.3	77.4	77.6	77.7	77.4	77.5	77.4	77.2	77.5	77.3	77.0
Employed .....	61,217	61,188	60,734	60,533	60,551	60,905	60,556	60,625	60,683	60,613	60,890	60,817	60,805
Employment-population ratio <sup>2</sup> .....	73.7	73.5	72.9	72.6	72.5	72.9	72.4	72.4	72.4	72.2	72.5	72.3	72.2
Agriculture .....	2,307	2,365	2,289	2,315	2,255	2,328	2,368	2,438	2,381	2,365	2,423	2,378	2,410
Nonagricultural industries .....	58,910	58,823	58,445	58,217	58,296	58,577	58,188	58,187	58,302	58,248	58,467	58,440	58,395
Unemployed .....	3,465	3,615	3,611	4,044	4,184	4,052	4,184	4,272	4,251	4,217	4,265	4,193	4,081
Unemployment rate .....	5.4	5.6	5.6	6.3	6.5	6.2	6.5	6.6	6.5	6.5	6.5	6.4	6.3
Not in labor force .....	18,410	18,405	18,926	18,815	18,731	18,610	18,895	18,851	18,931	19,110	18,868	19,141	19,359
<b>Women, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	98,710	98,783	98,840	98,904	98,970	99,038	99,105	99,174	99,248	99,315	99,386	99,459	99,528
Civilian labor force .....	56,277	56,570	56,548	56,766	56,832	57,127	56,831	57,181	56,824	56,694	56,796	56,991	56,858
Percent of population .....	57.0	57.3	57.2	57.4	57.4	57.7	57.3	57.7	57.3	57.1	57.1	57.3	57.1
Employed .....	53,049	53,247	53,125	53,314	53,222	53,596	53,148	53,479	53,323	53,088	53,330	53,264	53,130
Employment-population ratio <sup>2</sup> .....	53.7	53.9	53.7	53.9	53.8	54.1	53.6	53.9	53.7	53.5	53.7	53.6	53.4
Agriculture .....	667	681	697	703	642	651	676	668	653	685	712	660	712
Nonagricultural industries .....	52,382	52,566	52,428	52,611	52,580	52,945	52,473	52,811	52,670	52,402	52,618	52,605	52,419
Unemployed .....	3,228	3,323	3,423	3,452	3,610	3,531	3,683	3,702	3,500	3,606	3,466	3,726	3,728
Unemployment rate .....	5.7	5.9	6.1	6.1	6.4	6.2	6.5	6.5	6.2	6.4	6.1	6.5	6.6
Not in labor force .....	42,433	42,213	42,292	42,138	42,138	41,911	42,274	41,993	42,424	42,621	42,590	42,468	42,670
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	91,963	92,042	92,139	92,198	92,273	92,358	92,454	92,546	92,654	92,720	92,797	92,875	92,958
Civilian labor force .....	52,896	53,182	53,097	53,284	53,359	53,634	53,480	53,883	53,617	53,616	53,596	53,654	53,546
Percent of population .....	57.5	57.8	57.6	57.8	57.8	58.1	57.8	58.2	57.9	57.8	57.8	57.8	57.6
Employed .....	50,196	50,389	50,300	50,404	50,323	50,695	50,363	50,723	50,738	50,575	50,656	50,556	50,388
Employment-population ratio <sup>2</sup> .....	54.6	54.7	54.6	54.7	54.5	54.9	54.5	54.8	54.8	54.5	54.6	54.4	54.2
Agriculture .....	627	647	664	675	607	623	633	617	601	642	679	629	682
Nonagricultural industries .....	49,569	49,742	49,636	49,728	49,716	50,072	49,731	50,106	50,136	49,933	49,977	49,927	49,706
Unemployed .....	2,700	2,793	2,797	2,881	3,035	2,939	3,117	3,160	2,879	3,041	2,940	3,098	3,158
Unemployment rate .....	5.1	5.3	5.3	5.4	5.7	5.5	5.8	5.9	5.4	5.7	5.5	5.8	5.9
Not in labor force .....	39,067	38,860	39,042	38,914	38,914	38,724	38,974	38,663	39,037	39,104	39,201	39,221	39,412
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	13,642	13,616	13,567	13,525	13,504	13,455	13,432	13,374	13,320	13,313	13,302	13,263	13,250
Civilian labor force .....	7,145	7,189	7,196	7,215	7,232	7,081	7,011	6,850	6,662	6,458	6,856	6,884	6,826
Percent of population .....	52.4	52.8	53.0	53.3	53.6	52.6	52.2	51.2	50.0	48.5	51.5	51.9	51.5
Employed .....	5,973	5,997	5,889	5,982	5,879	5,798	5,672	5,537	5,291	5,228	5,619	5,593	5,566
Employment-population ratio <sup>2</sup> .....	43.8	44.0	43.4	44.2	43.5	43.1	42.2	41.4	39.7	39.3	42.2	42.2	42.0
Agriculture .....	251	241	211	232	235	204	271	254	256	259	204	188	210
Nonagricultural industries .....	5,722	5,756	5,678	5,750	5,644	5,594	5,401	5,283	5,035	4,969	5,415	5,405	5,356
Unemployed .....	1,172	1,192	1,307	1,233	1,353	1,283	1,339	1,313	1,371	1,230	1,237	1,291	1,260
Unemployment rate .....	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2	20.6	19.0	18.0	18.8	18.5
Not in labor force .....	6,497	6,427	6,371	6,310	6,272	6,374	6,421	6,524	6,658	6,855	6,446	6,379	6,424

<sup>1</sup> The population figures are not adjusted for seasonal variation. population.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	160,831	160,942	161,007	161,097	161,179	161,264	161,357	161,449	161,558	161,642	161,738	161,846	161,949
Civilian labor force .....	107,048	107,517	106,962	107,432	107,488	107,678	107,491	107,745	107,382	107,090	107,618	107,721	107,560
Percent of population .....	66.6	66.8	66.4	66.7	66.7	66.8	66.6	66.7	66.5	66.3	66.5	66.6	66.4
Employed .....	101,648	101,843	101,104	101,141	100,870	101,455	100,944	101,046	100,760	100,610	101,112	101,211	100,986
Employment-population ratio <sup>2</sup> .....	63.2	63.3	62.8	62.8	62.6	62.9	62.6	62.6	62.4	62.2	62.5	62.5	62.4
Unemployed .....	5,400	5,674	5,858	6,291	6,617	6,223	6,547	6,699	6,622	6,480	6,505	6,510	6,573
Unemployment rate .....	5.0	5.3	5.5	5.9	6.2	5.8	6.1	6.2	6.2	6.1	6.0	6.0	6.1
<b>Men, 20 years and over</b>													
Civilian labor force .....	56,174	56,307	55,836	56,000	56,151	56,310	56,210	56,267	56,344	56,252	56,532	56,371	56,322
Percent of population .....	78.3	78.3	77.6	77.8	77.9	78.1	77.9	77.9	77.9	77.7	78.0	77.7	77.6
Employed .....	53,564	53,497	53,010	52,801	52,828	53,179	53,025	52,962	52,960	52,934	53,072	53,042	53,043
Employment-population ratio <sup>2</sup> .....	74.6	74.4	73.7	73.3	73.3	73.7	73.5	73.3	73.2	73.1	73.3	73.2	73.1
Unemployed .....	2,610	2,810	2,826	3,198	3,323	3,131	3,185	3,304	3,385	3,318	3,459	3,329	3,279
Unemployment rate .....	4.6	5.0	5.1	5.7	5.9	5.6	5.7	5.9	6.0	5.9	6.1	5.9	5.8
<b>Women, 20 years and over</b>													
Civilian labor force .....	44,711	44,995	44,888	45,211	45,186	45,304	45,242	45,572	45,316	45,254	45,176	45,390	45,287
Percent of population .....	57.2	57.6	57.4	57.8	57.7	57.8	57.7	58.0	57.7	57.6	57.4	57.7	57.5
Employed .....	42,768	43,001	42,841	43,019	42,892	43,169	42,932	43,213	43,137	42,998	43,035	43,167	42,974
Employment-population ratio <sup>2</sup> .....	54.8	55.0	54.8	55.0	54.8	55.1	54.7	55.0	54.9	54.7	54.7	54.8	54.6
Unemployed .....	1,943	1,994	2,047	2,192	2,294	2,136	2,310	2,360	2,179	2,256	2,141	2,223	2,313
Unemployment rate .....	4.3	4.4	4.6	4.8	5.1	4.7	5.1	5.2	4.8	5.0	4.7	4.9	5.1
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,163	6,215	6,238	6,222	6,151	6,064	6,039	5,906	5,722	5,584	5,910	5,960	5,950
Percent of population .....	56.3	57.0	57.4	57.5	57.1	56.4	56.3	55.3	53.7	52.5	55.6	56.2	56.2
Employed .....	5,316	5,345	5,253	5,321	5,150	5,108	4,987	4,871	4,663	4,678	5,005	5,003	4,969
Employment-population ratio <sup>2</sup> .....	48.6	49.0	48.3	49.2	47.8	47.5	46.5	45.6	43.7	43.9	47.1	47.1	46.9
Unemployed .....	847	870	985	901	1,001	956	1,052	1,035	1,059	906	905	957	981
Unemployment rate .....	13.7	14.0	15.8	14.5	16.3	15.8	17.4	17.5	18.5	16.2	15.3	16.1	16.5
Men .....	14.9	14.9	15.8	15.4	18.6	16.9	19.3	19.9	20.0	16.9	16.4	16.3	17.2
Women .....	12.5	13.0	15.8	13.4	13.7	14.7	15.4	14.9	16.8	15.5	14.1	15.8	15.8
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	21,417	21,448	21,470	21,493	21,516	21,541	21,569	21,595	21,631	21,655	21,683	21,714	21,745
Civilian labor force .....	13,550	13,486	13,501	13,421	13,610	13,670	13,472	13,613	13,516	13,454	13,737	13,554	13,396
Percent of population .....	63.3	62.9	62.9	62.4	63.3	63.5	62.5	63.0	62.5	62.1	63.4	62.4	61.6
Employed .....	11,897	11,836	11,866	11,839	11,934	11,948	11,727	11,837	11,922	11,796	12,080	11,830	11,773
Employment-population ratio <sup>2</sup> .....	55.5	55.2	55.3	55.1	55.5	55.5	54.4	54.8	55.1	54.5	55.7	54.5	54.1
Unemployed .....	1,653	1,650	1,635	1,582	1,675	1,722	1,745	1,777	1,595	1,658	1,657	1,724	1,623
Unemployment rate .....	12.2	12.2	12.1	11.8	12.3	12.6	13.0	13.1	11.8	12.3	12.1	12.7	12.1
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,348	6,359	6,313	6,366	6,395	6,416	6,265	6,399	6,379	6,301	6,409	6,374	6,344
Percent of population .....	74.3	74.1	73.5	73.9	74.1	74.2	72.6	73.9	73.5	72.4	73.5	73.0	72.5
Employed .....	5,638	5,664	5,602	5,649	5,672	5,647	5,475	5,584	5,638	5,577	5,716	5,686	5,683
Employment-population ratio <sup>2</sup> .....	66.0	66.0	65.2	65.6	65.7	65.3	63.5	64.5	64.9	64.1	65.6	65.1	65.0
Unemployed .....	710	695	712	717	723	769	790	815	741	724	693	688	661
Unemployment rate .....	11.2	10.9	11.3	11.3	11.3	12.0	12.6	12.7	11.6	11.5	10.8	10.8	10.4
<b>Women, 20 years and over</b>													
Civilian labor force .....	6,365	6,339	6,374	6,286	6,388	6,476	6,459	6,483	6,418	6,485	6,576	6,454	6,353
Percent of population .....	59.4	59.0	59.3	58.4	59.2	60.0	59.7	59.8	59.2	59.7	60.4	59.2	58.2
Employed .....	5,717	5,668	5,738	5,694	5,755	5,812	5,755	5,768	5,813	5,816	5,896	5,703	5,631
Employment-population ratio <sup>2</sup> .....	53.3	52.8	53.4	52.9	53.4	53.8	53.2	53.2	53.6	53.5	54.2	52.3	51.6
Unemployed .....	648	671	636	593	633	664	705	715	605	669	680	751	722
Unemployment rate .....	10.2	10.6	10.0	9.4	9.9	10.3	10.9	11.0	9.4	10.3	10.3	11.6	11.4

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	837	788	814	769	826	779	747	732	719	668	752	726	699
Percent of population .....	38.9	36.9	38.4	36.4	39.2	37.1	35.1	34.8	34.3	31.9	36.0	34.8	33.6
Employed .....	542	504	526	497	507	490	497	485	470	403	468	441	459
Employment-population ratio <sup>2</sup> .....	25.2	23.6	24.8	23.5	24.1	23.3	23.3	23.0	22.4	19.3	22.4	21.1	22.0
Unemployed .....	295	284	288	272	319	289	250	247	249	265	284	285	240
Unemployment rate .....	35.2	36.0	35.4	35.4	38.6	37.1	33.5	33.7	34.6	39.7	37.8	39.3	34.3
Men .....	33.2	36.4	34.6	35.5	38.4	38.4	36.7	37.4	31.8	37.5	40.8	35.4	35.8
Women .....	37.5	35.6	36.1	35.2	38.9	35.7	30.1	28.9	37.4	42.3	33.6	43.5	32.7
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,474	14,514	14,553	14,593	14,632	14,672	14,711	14,751	14,790	14,829	14,869	14,908	14,948
Civilian labor force .....	9,500	9,569	9,675	9,578	9,696	9,739	9,695	9,737	9,834	9,747	9,863	9,924	9,818
Percent of population .....	65.6	65.9	66.5	65.6	66.3	66.4	65.9	66.0	66.5	65.7	66.3	66.6	65.7
Employed .....	8,683	8,676	8,779	8,664	8,700	8,859	8,756	8,781	8,903	8,778	8,764	8,871	8,812
Employment-population ratio <sup>2</sup> .....	60.0	59.8	60.3	59.4	59.5	60.4	59.5	59.5	60.2	59.2	58.9	59.5	59.0
Unemployed .....	817	893	896	914	997	880	939	956	931	969	1,098	1,053	1,006
Unemployment rate .....	8.6	9.3	9.3	9.5	10.3	9.0	9.7	9.8	9.5	9.9	11.1	10.6	10.2

<sup>1</sup> The population figures are not adjusted for seasonal variation.

<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-35. Employed civilians by selected social and economic categories, seasonally adjusted**

(In thousands)

Category	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>CHARACTERISTIC</b>													
Total .....	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967	116,758
Married men, spouse present .....	40,844	40,728	40,316	40,482	40,296	40,502	40,280	40,337	40,503	40,462	40,510	40,531	40,467
Married women, spouse present .....	29,713	29,776	29,599	29,680	29,514	29,762	29,608	29,877	29,993	29,915	29,843	29,852	29,761
Women who maintain families .....	6,341	6,367	6,386	6,384	6,470	6,371	6,350	6,520	6,489	6,467	6,574	6,443	6,484
<b>OCCUPATION</b>													
Managerial and professional specialty .....	30,732	30,777	30,699	31,093	30,764	30,990	30,908	30,842	30,926	30,850	31,002	31,110	31,174
Technical, sales, and administrative support .....	36,380	36,242	36,360	36,100	36,265	36,515	36,233	36,283	35,891	35,876	36,096	36,132	35,874
Service occupations .....	15,861	15,904	15,746	15,773	15,948	15,882	15,793	16,142	16,138	15,939	16,075	16,034	16,147
Precision production, craft, and repair .....	13,428	13,524	13,399	13,333	13,212	13,197	13,181	13,207	13,057	13,102	13,045	13,152	13,025
Operators, fabricators, and laborers .....	17,752	17,695	17,227	16,997	17,051	17,150	17,188	16,974	17,184	17,121	17,509	17,161	17,253
Farming, forestry, and fishing .....	3,360	3,436	3,437	3,499	3,387	3,464	3,451	3,502	3,540	3,466	3,451	3,430	3,456
<b>INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,681	1,671	1,603	1,629	1,556	1,660	1,703	1,748	1,678	1,704	1,746	1,629	1,687
Self-employed workers .....	1,386	1,473	1,396	1,448	1,412	1,450	1,421	1,431	1,497	1,480	1,431	1,436	1,507
Unpaid family workers .....	116	102	157	168	134	95	117	115	120	102	118	126	118
Nonagricultural industries:													
Wage and salary workers .....	105,267	105,095	104,698	104,569	104,455	104,697	104,613	104,345	104,422	104,122	104,744	104,442	104,382
Government .....	17,633	17,640	17,680	17,792	17,829	18,064	17,904	17,898	17,969	17,908	17,955	18,165	17,784
Private industries .....	87,634	87,455	87,018	86,777	86,626	86,633	86,709	86,447	86,453	86,214	86,789	86,277	86,598
Private households .....	992	1,013	967	953	980	943	934	1,005	1,113	1,058	1,013	998	937
Other industries .....	86,642	86,442	86,051	85,824	85,646	85,690	85,775	85,441	85,340	85,156	85,775	85,279	85,661
Self-employed workers .....	8,800	8,896	8,738	8,876	8,926	9,209	8,732	8,968	8,860	8,817	8,980	8,980	8,966
Unpaid family workers .....	255	238	232	239	224	213	206	260	229	212	195	243	239
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	5,438	5,581	5,510	6,062	6,163	6,162	5,932	5,705	5,881	5,892	6,374	6,328	6,461
Slack work .....	2,786	2,928	2,908	3,252	3,303	3,383	3,138	3,146	3,091	3,073	3,417	3,438	3,300
Could only find part-time work .....	2,340	2,302	2,214	2,401	2,494	2,462	2,556	2,325	2,505	2,621	2,728	2,612	2,824
Voluntary part time .....	15,048	15,081	14,833	14,971	14,819	15,027	14,876	15,598	15,208	15,040	15,046	14,976	14,869
Nonagricultural industries:													
Part time for economic reasons .....	5,163	5,262	5,178	5,803	5,889	5,956	5,702	5,425	5,605	5,643	6,130	6,116	6,185
Slack work .....	2,625	2,742	2,692	3,067	3,107	3,181	2,971	2,964	2,915	2,886	3,207	3,253	3,100
Could only find part-time work .....	2,262	2,218	2,133	2,349	2,404	2,403	2,463	2,229	2,435	2,533	2,638	2,563	2,741
Voluntary part time .....	14,658	14,650	14,461	14,528	14,452	14,641	14,377	15,168	14,737	14,591	14,579	14,484	14,406

<sup>1</sup> Excludes persons "with a job but not at work" during the survey

period for such reasons as vacation, illness, or industrial dispute.



HOUSEHOLD DATA  
SEASONALLY ADJUSTED

A-36. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over .....	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967	116,758
16 to 24 years .....	18,518	18,572	18,442	18,274	18,186	18,192	17,822	17,587	17,430	17,347	17,849	17,753	17,790
16 to 19 years .....	5,973	5,997	5,889	5,982	5,879	5,798	5,672	5,537	5,291	5,228	5,619	5,593	5,566
16 to 17 years .....	2,225	2,224	2,215	2,360	2,177	2,146	2,102	2,153	1,957	1,973	2,127	2,157	2,093
18 to 19 years .....	3,739	3,774	3,704	3,631	3,695	3,643	3,549	3,381	3,372	3,293	3,466	3,441	3,473
20 to 24 years .....	12,545	12,575	12,554	12,292	12,306	12,394	12,151	12,050	12,138	12,119	12,230	12,160	12,224
25 years and over .....	98,847	98,937	98,463	98,605	98,529	99,150	98,727	99,358	99,357	99,046	99,371	99,197	99,021
25 to 54 years .....	84,075	84,070	83,717	83,866	83,821	84,342	84,165	84,572	84,606	84,481	84,684	84,566	84,538
55 years and over .....	14,812	14,901	14,628	14,687	14,720	14,778	14,583	14,757	14,740	14,534	14,745	14,597	14,505
Men, 16 years and over .....	64,337	64,327	63,798	63,604	63,532	63,802	63,443	63,405	63,389	63,328	63,836	63,702	63,628
16 to 24 years .....	9,695	9,758	9,594	9,483	9,392	9,371	9,264	9,114	9,128	9,116	9,381	9,277	9,240
16 to 19 years .....	3,120	3,139	3,063	3,071	2,981	2,897	2,887	2,780	2,706	2,715	2,945	2,885	2,823
16 to 17 years .....	1,179	1,172	1,205	1,215	1,092	1,075	1,080	1,114	1,036	995	1,096	1,093	1,057
18 to 19 years .....	1,950	1,966	1,886	1,857	1,895	1,810	1,782	1,662	1,706	1,726	1,833	1,789	1,783
20 to 24 years .....	6,575	6,619	6,530	6,412	6,412	6,474	6,377	6,333	6,423	6,400	6,436	6,392	6,417
25 years and over .....	54,637	54,546	54,190	54,084	54,113	54,433	54,154	54,336	54,272	54,179	54,514	54,391	54,387
25 to 54 years .....	46,137	46,035	45,819	45,742	45,761	45,962	45,828	45,947	45,981	45,968	46,225	46,129	46,103
55 years and over .....	8,498	8,553	8,318	8,326	8,353	8,415	8,330	8,368	8,291	8,187	8,302	8,264	8,278
Women, 16 years and over .....	53,049	53,247	53,125	53,314	53,222	53,596	53,148	53,479	53,323	53,088	53,330	53,264	53,130
16 to 24 years .....	8,823	8,814	8,848	8,791	8,793	8,821	8,559	8,473	8,301	8,232	8,468	8,477	8,550
16 to 19 years .....	2,853	2,858	2,825	2,911	2,899	2,901	2,785	2,756	2,586	2,513	2,674	2,709	2,742
16 to 17 years .....	1,046	1,052	1,010	1,145	1,085	1,071	1,022	1,039	921	978	1,031	1,064	1,036
18 to 19 years .....	1,789	1,808	1,818	1,774	1,800	1,833	1,767	1,719	1,666	1,567	1,633	1,652	1,690
20 to 24 years .....	5,970	5,956	6,023	5,881	5,895	5,920	5,774	5,717	5,716	5,719	5,795	5,768	5,807
25 years and over .....	44,210	44,391	44,273	44,521	44,416	44,717	44,573	45,022	45,085	44,866	44,858	44,806	44,634
25 to 54 years .....	37,938	38,035	37,898	38,124	38,060	38,380	38,337	38,624	38,625	38,513	38,459	38,438	38,435
55 years and over .....	6,314	6,348	6,310	6,361	6,367	6,363	6,253	6,389	6,449	6,347	6,444	6,333	6,227

A-37. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over .....	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	8,501	8,488	8,442	8,582	8,499
16 to 24 years .....	2,428	2,463	2,617	2,682	2,770	2,680	2,864	2,825	2,905	2,678	2,725	2,844	2,773
16 to 19 years .....	1,172	1,192	1,307	1,233	1,353	1,283	1,339	1,313	1,371	1,230	1,237	1,291	1,260
16 to 17 years .....	507	524	541	480	576	578	539	545	618	555	549	594	546
18 to 19 years .....	662	665	745	741	785	709	826	772	739	667	711	699	717
20 to 24 years .....	1,256	1,271	1,310	1,449	1,417	1,397	1,525	1,512	1,534	1,448	1,488	1,553	1,513
25 years and over .....	4,910	5,160	5,162	5,501	5,811	5,678	5,715	5,893	5,542	5,765	5,720	5,680	5,718
25 to 54 years .....	4,403	4,664	4,618	4,940	5,205	5,117	5,134	5,167	4,992	5,107	5,135	5,144	5,133
55 years and over .....	513	501	510	582	638	588	624	691	616	645	589	548	606
Men, 16 years and over .....	4,109	4,277	4,292	4,706	4,962	4,743	4,957	5,043	5,001	4,882	4,976	4,856	4,771
16 to 24 years .....	1,335	1,363	1,461	1,520	1,638	1,566	1,577	1,627	1,665	1,508	1,607	1,539	1,510
16 to 19 years .....	644	662	681	662	778	691	773	771	750	665	711	663	690
16 to 17 years .....	280	295	278	287	364	304	291	287	329	296	300	300	282
18 to 19 years .....	367	366	381	375	421	389	495	478	405	369	418	361	411
20 to 24 years .....	691	701	780	858	860	875	804	856	915	843	896	876	820
25 years and over .....	2,764	2,937	2,897	3,201	3,344	3,246	3,326	3,379	3,288	3,330	3,345	3,288	3,255
25 to 54 years .....	2,448	2,625	2,535	2,847	2,951	2,888	2,953	2,903	2,940	2,894	2,979	2,951	2,923
55 years and over .....	335	316	319	367	399	390	410	413	412	427	366	340	344
Women, 16 years and over .....	3,228	3,323	3,423	3,452	3,610	3,531	3,683	3,702	3,500	3,606	3,466	3,726	3,728
16 to 24 years .....	1,093	1,100	1,156	1,162	1,132	1,113	1,287	1,198	1,239	1,171	1,118	1,305	1,263
16 to 19 years .....	528	530	626	571	575	592	566	542	621	565	526	628	570
16 to 17 years .....	227	229	263	193	212	274	248	258	289	259	249	294	264
18 to 19 years .....	295	299	364	366	364	320	331	294	334	298	293	338	306
20 to 24 years .....	565	570	530	591	557	521	721	656	618	606	592	677	693
25 years and over .....	2,146	2,223	2,265	2,300	2,467	2,432	2,389	2,514	2,254	2,435	2,375	2,392	2,464
25 to 54 years .....	1,955	2,039	2,083	2,092	2,254	2,229	2,182	2,264	2,052	2,212	2,155	2,193	2,210
55 years and over .....	178	185	191	214	239	198	214	277	204	217	223	208	262

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-38. Unemployment rates by sex and age, seasonally adjusted**

(Civilian workers)

Sex and age	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
Total, 16 years and over .....	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	6.8	6.8	6.7	6.8	6.8
16 to 24 years .....	11.6	11.7	12.4	12.8	13.2	12.8	13.8	13.8	14.3	13.4	13.2	13.8	13.5
16 to 19 years .....	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2	20.6	19.0	18.0	18.8	18.5
16 to 17 years .....	18.6	19.1	19.6	16.9	20.9	21.2	20.4	20.2	24.0	22.0	20.5	21.6	20.7
18 to 19 years .....	15.0	15.0	16.7	16.9	17.5	16.3	18.9	18.6	18.0	16.8	17.0	16.9	17.1
20 to 24 years .....	9.1	9.2	9.5	10.5	10.3	10.1	11.2	11.1	11.2	10.7	10.8	11.3	11.0
25 years and over .....	4.7	5.0	5.0	5.3	5.6	5.4	5.5	5.6	5.3	5.5	5.4	5.4	5.5
25 to 54 years .....	5.0	5.3	5.2	5.6	5.8	5.7	5.7	5.8	5.6	5.7	5.7	5.7	5.7
55 years and over .....	3.3	3.3	3.4	3.8	4.2	3.8	4.1	4.5	4.0	4.2	3.8	3.6	4.0
Men, 16 years and over .....	6.0	6.2	6.3	6.9	7.2	6.9	7.2	7.4	7.3	7.2	7.2	7.1	7.0
16 to 24 years .....	12.1	12.3	13.2	13.8	14.9	14.3	14.5	15.1	15.4	14.2	14.6	14.2	14.0
16 to 19 years .....	17.1	17.4	18.2	17.7	20.7	19.3	21.1	21.7	21.7	19.7	19.4	18.7	19.6
16 to 17 years .....	19.2	20.1	18.7	19.1	25.0	22.0	21.2	20.5	24.1	22.9	21.5	21.5	21.1
18 to 19 years .....	15.8	15.7	16.8	16.8	18.2	17.7	21.7	22.3	19.2	17.6	18.6	16.8	18.7
20 to 24 years .....	9.5	9.6	10.7	11.8	11.8	11.9	11.2	11.9	12.5	11.6	12.2	12.0	11.3
25 years and over .....	4.8	5.1	5.1	5.6	5.8	5.6	5.8	5.9	5.7	5.8	5.8	5.7	5.6
25 to 54 years .....	5.0	5.4	5.2	5.9	6.1	5.9	6.1	5.9	6.0	5.9	6.1	6.0	6.0
55 years and over .....	3.8	3.6	3.7	4.2	4.6	4.4	4.7	4.7	4.7	5.0	4.2	4.0	4.0
Women, 16 years and over .....	5.7	5.9	6.1	6.1	6.4	6.2	6.5	6.5	6.2	6.4	6.1	6.5	6.6
16 to 24 years .....	11.0	11.1	11.6	11.7	11.4	11.2	13.1	12.4	13.0	12.5	11.7	13.3	12.9
16 to 19 years .....	15.6	15.6	18.1	16.4	16.6	16.9	16.9	16.4	19.4	18.4	16.4	18.8	17.2
16 to 17 years .....	17.8	17.9	20.7	14.4	16.3	20.4	19.5	19.9	23.9	20.9	19.5	21.6	20.3
18 to 19 years .....	14.2	14.2	16.7	17.1	16.8	14.9	15.8	14.6	16.7	16.0	15.2	17.0	15.3
20 to 24 years .....	8.6	8.7	8.1	9.1	8.6	8.1	11.1	10.3	9.8	9.6	9.3	10.5	10.7
25 years and over .....	4.6	4.8	4.9	4.9	5.3	5.2	5.1	5.3	4.8	5.1	5.0	5.1	5.2
25 to 54 years .....	4.9	5.1	5.2	5.2	5.6	5.5	5.4	5.5	5.0	5.4	5.3	5.4	5.4
55 years and over .....	2.7	2.8	2.9	3.3	3.6	3.0	3.3	4.2	3.1	3.3	3.3	3.2	4.0

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	6.8	6.8	6.7	6.8	6.8
Men, 20 years and over .....	5.4	5.6	5.6	6.3	6.5	6.2	6.5	6.6	6.5	6.5	6.5	6.4	6.3
Women, 20 years and over .....	5.1	5.3	5.3	5.4	5.7	5.5	5.8	5.9	5.4	5.7	5.5	5.8	5.9
Both sexes, 16 to 19 years .....	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2	20.6	19.0	18.0	18.8	18.5
White .....	5.0	5.3	5.5	5.9	6.2	5.8	6.1	6.2	6.2	6.1	6.0	6.0	6.1
Black and other .....	11.0	11.1	10.7	10.7	11.1	11.2	11.5	11.4	10.5	11.1	11.0	11.5	10.9
Black .....	12.2	12.2	12.1	11.8	12.3	12.6	13.0	13.1	11.8	12.3	12.1	12.7	12.1
Hispanic origin .....	8.6	9.3	9.3	9.5	10.3	9.0	9.7	9.8	9.5	9.9	11.1	10.6	10.2
Married men, spouse present .....	3.7	3.8	4.0	4.3	4.5	4.4	4.4	4.7	4.3	4.3	4.5	4.2	4.5
Married women, spouse present .....	4.1	4.1	4.1	4.4	4.8	4.5	4.6	4.7	4.3	4.4	4.5	4.4	4.5
Women who maintain families .....	8.7	8.7	9.0	9.1	9.0	9.9	9.1	9.2	8.3	9.6	8.9	9.5	9.1
Full-time workers .....	5.7	5.8	6.0	6.4	6.5	6.3	6.5	6.6	6.5	6.5	6.4	6.6	6.5
Part-time workers .....	7.3	7.6	7.7	7.6	9.1	8.1	9.0	8.6	8.3	8.2	8.3	8.2	8.6
Unemployed 15 weeks and over <sup>1</sup> .....	1.4	1.4	1.5	1.6	1.7	1.8	1.8	2.0	1.9	1.9	1.9	2.0	2.1
Labor force time lost <sup>2</sup> .....	6.7	6.9	7.0	7.5	7.7	7.6	7.7	7.6	7.5	7.6	7.7	7.7	7.9
<b>OCCUPATION<sup>3</sup></b>													
Managerial and professional specialty .....	2.2	2.2	2.7	2.4	2.7	2.6	3.0	2.8	2.9	2.9	2.8	2.9	2.9
Technical, sales, and administrative support .....	4.6	4.8	4.5	5.0	5.3	5.2	5.3	5.2	4.9	5.1	5.1	5.1	5.2
Precision production, craft, and repair .....	6.9	7.0	7.3	7.6	7.6	7.8	8.0	7.8	8.5	8.3	8.0	8.1	8.2
Operators, fabricators, and laborers .....	9.4	9.6	10.0	11.6	11.2	10.8	10.2	11.5	10.6	10.1	9.7	9.9	9.8
Farming, forestry, and fishing .....	6.2	6.9	7.6	7.9	9.1	6.5	7.1	7.6	6.7	8.1	8.1	7.7	8.3
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	6.2	6.3	6.4	6.9	7.2	7.0	7.2	7.4	7.1	7.0	6.9	7.0	7.2
Goods-producing industries .....	7.9	8.1	8.2	9.1	9.0	9.2	9.0	9.7	9.1	8.9	8.7	9.0	9.2
Mining .....	4.7	5.8	7.5	6.0	7.1	7.5	6.4	8.5	8.7	7.5	11.1	7.5	9.6
Construction .....	13.3	14.0	14.5	15.5	14.1	15.0	14.7	15.6	16.7	15.1	15.7	16.2	16.0
Manufacturing .....	6.5	6.5	6.4	7.4	7.6	7.6	7.4	8.2	7.0	7.2	6.6	7.0	7.3
Durable goods .....	6.9	6.6	6.8	8.1	8.2	8.3	7.7	8.4	7.1	7.4	6.7	7.5	6.8
Nondurable goods .....	5.9	6.4	5.9	6.5	6.8	6.6	7.0	7.9	6.9	6.9	6.6	6.3	7.9
Service-producing industries .....	5.4	5.4	5.6	5.9	6.4	6.0	6.4	6.3	6.2	6.2	6.2	6.1	6.3
Transportation and public utilities .....	4.1	4.2	4.4	5.3	5.5	5.4	5.5	5.4	5.1	5.1	4.7	4.9	5.7
Wholesale and retail trade .....	6.7	6.6	7.0	7.4	7.9	7.3	7.7	7.6	8.1	7.6	7.8	7.8	7.3
Finance and service industries .....	4.7	4.8	4.9	5.0	5.6	5.2	5.7	5.7	5.1	5.5	5.3	5.3	5.7
Government workers .....	2.8	2.7	3.0	3.2	3.7	3.2	3.2	2.8	2.8	3.3	3.4	3.6	3.4
Agricultural wage and salary workers .....	9.8	12.3	11.9	11.5	13.8	9.9	11.2	12.2	11.5	11.9	10.9	12.0	12.7

<sup>1</sup> Unemployment as a percent of the civilian labor force.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force hours.

<sup>3</sup> Seasonally adjusted data for service occupations are not available because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-40. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

Weeks of unemployment	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>DURATION</b>													
Less than 5 weeks .....	3,277	3,280	3,410	3,473	3,515	3,287	3,654	3,427	3,368	3,385	3,322	3,266	3,270
5 to 14 weeks .....	2,334	2,518	2,490	2,736	2,904	2,745	2,717	2,862	2,722	2,602	2,832	2,784	2,680
15 weeks and over .....	1,727	1,739	1,829	1,975	2,184	2,229	2,234	2,573	2,348	2,396	2,362	2,537	2,581
15 to 26 weeks .....	938	940	981	1,053	1,236	1,226	1,206	1,411	1,215	1,221	1,224	1,410	1,274
27 weeks and over .....	789	799	848	921	947	1,003	1,028	1,162	1,132	1,175	1,138	1,127	1,307
Average (mean) duration, in weeks .....	12.4	12.4	12.4	12.8	13.0	13.7	12.9	14.2	13.9	14.0	14.0	14.3	14.9
Median duration, in weeks .....	5.9	5.9	5.9	6.1	6.6	7.0	6.5	6.9	6.6	7.2	7.5	7.4	7.7
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	44.7	43.5	44.1	42.4	40.9	39.8	42.5	38.7	39.9	40.4	39.0	38.0	38.3
5 to 14 weeks .....	31.8	33.4	32.2	33.4	33.8	33.2	31.6	32.3	32.3	31.0	33.3	32.4	31.4
15 weeks and over .....	23.5	23.1	23.7	24.1	25.4	27.0	26.0	29.0	27.8	28.6	27.7	29.5	30.3
15 to 26 weeks .....	12.8	12.5	12.7	12.9	14.4	14.8	14.0	15.9	14.4	14.6	14.4	16.4	14.9
27 weeks and over .....	10.8	10.6	11.0	11.3	11.0	12.1	11.9	13.1	13.4	14.0	13.4	13.1	15.3

**A-41. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reasons for unemployment	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	3,756	3,797	4,068	4,515	4,703	4,528	4,657	4,869	4,596	4,665	4,801	4,722	4,635
On layoff .....	1,136	1,150	1,131	1,485	1,430	1,370	1,343	1,389	1,188	1,281	1,129	1,194	1,163
Other job losers .....	2,620	2,647	2,938	3,031	3,273	3,158	3,314	3,481	3,408	3,384	3,672	3,527	3,472
Job leavers .....	996	1,024	899	989	1,080	987	1,053	1,090	990	883	929	989	993
Reentrants .....	1,926	2,128	2,044	1,994	2,090	2,053	2,202	2,143	2,047	2,112	2,017	2,091	2,096
New entrants .....	655	662	672	633	699	741	779	741	821	762	782	828	763
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	51.2	49.9	53.0	55.5	54.9	54.5	53.6	55.1	54.4	55.4	56.3	54.7	54.6
On layoff .....	15.5	15.1	14.7	18.3	16.7	16.5	15.7	14.1	15.2	13.2	13.8	13.7	13.7
Other job losers .....	35.7	34.8	38.2	37.3	38.2	38.0	38.1	39.4	40.3	40.2	43.1	40.9	40.9
Job leavers .....	13.6	13.5	11.7	12.2	12.6	11.9	12.1	12.3	11.7	10.5	10.9	11.5	11.7
Reentrants .....	26.3	28.0	26.6	24.5	24.4	24.7	25.3	24.2	24.2	25.1	23.6	24.2	24.7
New entrants .....	8.9	8.7	8.7	7.8	8.2	8.9	9.0	8.4	9.7	9.0	9.2	9.6	9.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.0	3.0	3.3	3.6	3.8	3.6	3.7	3.9	3.7	3.7	3.8	3.8	3.7
Job leavers .....	.8	.8	.7	.8	.9	.8	.8	.9	.8	.7	.7	.8	.8
Reentrants .....	1.5	1.7	1.6	1.6	1.7	1.6	1.8	1.7	1.6	1.7	1.6	1.7	1.7
New entrants .....	.5	.5	.5	.5	.6	.6	.6	.6	.7	.6	.6	.7	.6



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Total</b> .....		110,721	110,691	109,421	109,795	109,803	-	-	-	-	-
<b>Total private</b> .....		92,128	91,937	91,257	91,090	90,952	74,709	74,526	73,920	73,803	73,667
<b>Mining</b> .....		718	719	693	686	681	519	519	492	487	484
Metal mining .....	10	58.4	58.4	59.2	58.4	-	45.5	45.5	46.6	45.7	-
Iron ores .....	101	7.3	7.2	9.0	8.6	-	5.3	5.2	7.0	6.5	-
Copper ores .....	102	15.3	15.4	15.9	15.9	-	12.5	12.6	13.1	13.1	-
Coal mining .....	12	147.2	146.7	136.7	135.5	-	118.7	118.5	110.9	109.8	-
Bituminous coal and lignite mining .....	122	137.4	136.9	127.1	126.0	-	110.8	110.6	103.1	102.1	-
Oil and gas extraction .....	13	399.1	402.3	387.0	383.8	382.8	268.3	271.0	251.7	249.6	-
Crude petroleum and natural gas .....	131	187.8	187.5	190.4	188.6	-	92.9	92.8	95.3	95.0	-
Oil and gas field services .....	138	206.9	210.4	191.8	190.3	-	172.1	174.9	153.2	151.4	-
Nonmetallic minerals, except fuels .....	14	113.4	111.3	110.0	108.1	-	86.4	84.3	82.8	81.9	-
Crushed and broken stone .....	142	42.2	41.4	41.0	39.8	-	32.9	32.0	31.5	30.9	-
Sand and gravel .....	144	35.0	34.0	33.8	33.4	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	16.5	16.5	16.1	16.0	-	-	-	-	-	-
<b>Construction</b> .....		5,252	5,085	4,948	4,886	4,700	4,101	3,945	3,832	3,781	3,596
General building contractors .....	15	1,316.4	1,273.9	1,208.6	1,191.1	1,157.9	953.0	918.6	868.6	853.4	-
Residential building construction .....	152	649.7	624.7	603.8	594.3	-	453.9	434.7	420.0	411.1	-
Operative builders .....	153	37.1	35.5	32.9	33.1	-	15.3	14.4	14.2	14.5	-
Nonresidential building construction .....	154	629.6	613.7	571.9	563.7	-	483.8	469.5	434.4	427.8	-
Heavy construction, except building .....	16	823.7	775.5	780.6	771.9	-	695.1	647.2	657.7	649.0	-
Highway and street construction .....	161	280.3	254.1	269.8	262.8	-	237.5	211.1	227.7	220.4	-
Heavy construction, except highway .....	162	543.4	521.4	510.8	509.1	-	457.6	436.1	430.0	428.6	-
Special trade contractors .....	17	3,112.3	3,035.3	2,958.5	2,922.9	-	2,452.4	2,378.8	2,306.1	2,278.1	-
Plumbing, heating, and air conditioning .....	171	658.7	647.9	620.3	616.6	-	485.5	475.7	452.2	448.3	-
Painting and paper hanging .....	172	184.8	177.1	175.0	173.0	-	154.8	146.5	144.5	143.1	-
Electrical work .....	173	562.3	556.6	541.1	540.8	-	438.2	431.3	416.6	417.0	-
Masonry, stonework, and plastering .....	174	492.7	474.4	460.8	452.7	-	423.5	405.6	392.9	386.2	-
Carpentry and floor work .....	175	190.9	182.5	177.4	170.4	-	143.0	134.7	132.9	126.2	-
Roofing, siding, and sheet metal work .....	176	219.0	218.0	212.7	210.3	-	175.8	174.6	169.7	167.5	-
<b>Manufacturing</b> .....		19,092	18,876	18,564	18,496	18,417	12,984	12,788	12,606	12,558	12,484
<b>Durable goods</b> .....		11,050	10,903	10,580	10,545	10,503	7,340	7,210	7,008	6,988	6,950
Lumber and wood products .....	24	737.2	718.8	713.0	704.7	699.2	606.2	589.5	586.7	579.4	573.6
Logging .....	241	88.3	83.3	85.2	83.2	-	73.2	68.4	71.0	69.1	-
Sawmills and planing mills .....	242	197.3	194.8	191.8	190.5	-	171.5	169.2	166.2	165.2	-
Sawmills and planing mills, general .....	2421	159.1	157.5	154.0	152.7	-	138.0	136.5	133.0	132.1	-
Hardwood dimension and flooring mills .....	2426	35.3	34.3	35.0	35.0	-	31.0	30.2	30.9	30.8	-
Millwork, plywood, and structural members .....	243	259.4	252.7	249.5	245.8	-	208.1	202.4	199.8	196.3	-
Millwork .....	2431	105.9	103.0	103.6	101.7	-	82.2	79.7	80.4	78.7	-
Wood kitchen cabinets .....	2434	72.6	71.6	67.5	66.9	-	58.0	57.0	53.3	52.7	-
Hardwood veneer and plywood .....	2435	23.3	22.6	22.0	21.5	-	20.0	19.4	18.9	18.4	-
Softwood veneer and plywood .....	2436	31.5	30.9	30.9	30.8	-	28.2	27.7	27.7	27.6	-
Wood containers .....	244	45.5	44.7	44.2	44.0	-	38.2	37.5	37.3	37.0	-
Wood buildings and mobile homes .....	245	62.1	60.1	60.9	60.0	-	46.9	44.9	46.5	45.9	-
Mobile homes .....	2451	43.2	41.9	42.7	42.1	-	35.1	33.6	34.4	34.2	-
Miscellaneous wood products .....	249	84.6	83.2	81.4	81.2	-	68.3	67.1	65.9	65.9	-
Furniture and fixtures .....	25	509.5	500.7	484.0	485.0	484.2	401.9	393.7	381.6	383.0	381.2
Household furniture .....	251	289.7	284.5	276.2	277.9	-	241.3	236.7	229.7	231.5	-
Wood household furniture .....	2511	126.8	125.1	121.7	122.2	-	108.7	107.1	104.4	104.9	-
Upholstered household furniture .....	2512	97.2	95.8	93.4	93.8	-	81.0	79.9	77.4	77.8	-
Metal household furniture .....	2514	23.7	23.5	21.1	21.9	-	18.7	18.5	16.3	17.3	-
Mattresses and bedsprings .....	2515	28.7	27.2	28.4	28.1	-	21.8	20.5	21.9	21.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures—Continued											
Office furniture .....	252	68.8	68.4	62.7	62.6	-	51.2	50.8	46.5	46.5	-
Public building and related furniture .....	253	32.8	32.1	31.6	31.8	-	25.5	24.6	25.0	25.1	-
Partitions and fixtures .....	254	81.2	79.4	79.1	78.4	-	58.9	57.3	57.5	57.2	-
Miscellaneous furniture and fixtures .....	259	37.0	36.3	34.4	34.3	-	25.0	24.3	22.9	22.7	-
Stone, clay, and glass products .....	32	556.6	548.4	531.2	529.2	523.9	433.3	426.4	412.2	411.0	405.0
Flat glass .....	321	16.6	16.5	15.7	15.7	-	13.1	13.1	12.5	12.5	-
Glass and glassware, pressed or blown .....	322	82.1	81.5	82.0	81.9	-	70.8	70.3	71.0	70.8	-
Glass containers .....	3221	39.3	39.2	38.5	38.3	-	35.6	35.6	34.8	34.6	-
Pressed and blown glass, nec .....	3229	42.8	42.3	43.5	43.6	-	35.2	34.7	36.2	36.2	-
Products of purchased glass .....	323	60.9	59.7	58.0	57.8	-	46.5	45.7	43.9	43.9	-
Cement, hydraulic .....	324	18.0	18.0	18.0	18.0	-	13.9	13.8	13.7	13.7	-
Structural clay products .....	325	35.3	34.4	32.5	32.5	-	27.1	26.3	24.9	24.9	-
Pottery and related products .....	326	38.1	37.7	36.5	36.6	-	30.1	29.7	28.6	28.9	-
Concrete, gypsum, and plaster products .....	327	208.5	204.8	198.3	197.7	-	159.7	156.5	150.9	150.3	-
Concrete block and brick .....	3271	19.8	19.5	18.7	18.7	-	12.8	12.6	12.0	12.0	-
Concrete products, nec .....	3272	71.2	69.7	66.9	67.0	-	53.8	52.4	50.5	50.6	-
Ready-mixed concrete .....	3273	99.1	97.3	95.4	94.8	-	78.9	77.4	75.1	74.5	-
Misc. nonmetallic mineral products .....	329	81.2	80.1	76.2	75.2	-	60.2	59.3	56.6	55.9	-
Abrasive products .....	3291	21.2	21.1	20.5	20.4	-	15.1	15.0	15.1	15.1	-
Asbestos products .....	3292	6.6	6.4	5.8	5.7	-	5.0	4.8	4.4	4.3	-
Mineral wool .....	3296	23.6	23.2	22.1	21.7	-	-	-	-	-	-
Primary metal industries .....	33	753.7	746.9	720.7	714.5	710.2	572.2	566.4	544.4	539.1	534.9
Blast furnaces and basic steel products .....	331	274.2	274.0	260.3	256.8	256.7	209.8	209.6	198.1	194.6	193.8
Blast furnaces and steel mills .....	3312	206.5	206.6	195.7	192.4	-	159.7	159.7	150.3	146.9	-
Steel pipe and tubes .....	3317	25.4	25.4	24.3	24.2	-	18.7	18.7	17.8	17.7	-
Iron and steel foundries .....	332	132.7	131.2	125.3	124.6	-	105.6	104.6	99.1	98.7	-
Gray and ductile iron foundries .....	3321	80.4	79.2	76.3	76.0	-	65.4	64.5	61.6	61.4	-
Malleable iron foundries .....	3322	8.8	8.7	8.3	8.2	-	6.5	6.5	6.3	6.3	-
Steel foundries, nec .....	3325	27.8	27.6	25.6	25.4	-	21.7	21.5	19.8	19.6	-
Primary nonferrous metals .....	333	46.4	44.6	44.9	44.6	-	34.3	32.8	34.1	34.0	-
Primary aluminum .....	3334	26.3	24.6	25.7	25.5	-	20.2	18.8	20.6	20.6	-
Nonferrous rolling and drawing .....	335	171.7	169.8	167.6	166.0	-	123.9	122.1	120.0	118.6	-
Copper rolling and drawing .....	3351	22.8	22.3	22.3	22.0	-	17.4	17.0	17.1	16.8	-
Aluminum sheet, plate, and foil .....	3353	28.6	28.7	27.9	27.7	-	19.3	19.2	18.5	18.3	-
Nonferrous wire drawing and insulating .....	3357	72.4	71.8	70.9	69.9	-	53.2	52.7	51.4	50.5	-
Nonferrous foundries (castings) .....	336	83.9	82.6	80.9	80.8	-	66.1	64.7	63.1	63.1	-
Aluminum foundries .....	3365	24.8	24.5	23.2	23.3	-	19.7	19.3	18.1	18.2	-
Fabricated metal products .....	34	1,424.1	1,409.7	1,365.9	1,364.9	1,359.4	1,051.4	1,037.4	1,003.2	1,002.3	998.3
Metal cans and shipping containers .....	341	48.9	48.4	48.7	47.5	-	42.0	41.5	42.1	41.0	-
Metal cans .....	3411	39.8	39.5	39.7	38.9	-	34.7	34.3	34.8	34.0	-
Cutlery, handtools, and hardware .....	342	129.8	127.4	122.8	122.6	-	95.2	93.0	90.5	90.4	-
Hand and edge tools, and blades and handsaws .....	3423,5	44.4	44.0	42.3	42.4	-	32.5	32.2	31.0	31.2	-
Hardware, nec .....	3429	73.7	71.8	69.4	69.0	-	54.7	52.9	51.9	51.5	-
Plumbing and heating, except electric .....	343	60.4	59.7	58.1	58.3	-	43.6	43.0	41.6	41.8	-
Plumbing fixture fittings and trim .....	3432	25.6	25.1	24.8	24.8	-	19.1	18.7	18.8	18.8	-
Heating equipment, except electric .....	3433	20.8	20.7	19.7	19.9	-	14.0	13.9	13.0	13.2	-
Fabricated structural metal products .....	344	428.7	426.0	412.0	410.3	-	304.7	301.7	291.2	289.2	-
Fabricated structural metal .....	3441	79.3	79.1	72.6	72.2	-	57.2	56.7	52.0	51.6	-
Metal doors, sash, and trim .....	3442	76.4	75.1	74.4	74.0	-	55.4	54.0	53.3	52.9	-
Fabricated plate work (boiler shops) .....	3443	107.4	107.2	105.2	105.2	-	71.9	71.8	70.9	70.7	-
Sheet metal work .....	3444	95.4	94.5	94.2	93.7	-	72.0	71.2	71.3	70.5	-
Architectural metal work .....	3446	29.1	29.3	26.7	26.4	-	20.5	20.6	18.5	18.2	-
Screw machine products, bolts, etc .....	345	95.3	94.5	90.5	91.0	-	73.2	72.3	69.1	69.3	-
Screw machine products .....	3451	45.7	45.2	43.2	43.6	-	37.2	36.7	35.0	35.3	-
Bolts, nuts, rivets, and washers .....	3452	49.6	49.3	47.3	47.4	-	36.0	35.6	34.1	34.0	-
Metal forgings and stampings .....	346	230.1	225.4	218.6	219.0	-	183.1	178.0	172.9	173.4	-
Iron and steel forgings .....	3462	32.9	33.2	31.8	31.4	-	25.1	25.2	24.1	23.7	-
Automotive stampings .....	3465	105.2	100.2	97.8	98.5	-	88.4	83.3	82.1	82.9	-
Metal stampings, nec .....	3469	80.3	80.2	78.2	78.3	-	60.8	60.7	59.1	59.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Fabricated metal products—Continued											
Metal services, nec .....	347	121.1	120.3	116.4	116.7	-	94.3	93.7	89.9	90.1	-
Plating and polishing .....	3471	76.3	75.7	71.8	71.9	-	59.7	59.2	55.3	55.4	-
Metal coating and allied services .....	3479	44.8	44.6	44.6	44.8	-	34.6	34.5	34.6	34.7	-
Ordnance and accessories, nec .....	348	73.4	73.0	69.7	70.2	-	45.9	45.9	42.6	43.2	-
Ammunition, except for small arms, nec .....	3483	44.3	44.6	41.3	41.6	-	25.0	25.5	22.4	22.9	-
Miscellaneous fabricated metal products .....	349	236.4	235.0	229.1	229.3	-	169.4	168.3	163.3	163.9	-
Valves and pipe fittings, nec .....	3494	28.0	28.1	27.5	27.5	-	18.5	18.7	18.9	19.0	-
Misc. fabricated wire products .....	3496	53.1	52.5	50.5	50.1	-	39.7	39.3	37.6	37.3	-
Industrial machinery and equipment .....	35	2,069.8	2,061.6	1,971.7	1,964.7	1,956.0	1,240.3	1,233.9	1,170.9	1,166.6	1,157.3
Engines and turbines .....	351	89.9	89.3	88.7	89.0	-	58.5	58.0	55.9	56.2	-
Turbines and turbine generator sets .....	3511	27.3	27.5	29.3	29.4	-	16.1	16.2	17.4	17.5	-
Internal combustion engines, nec .....	3519	62.6	61.8	59.4	59.6	-	42.4	41.8	38.5	38.7	-
Farm and garden machinery .....	352	104.3	104.9	97.6	98.7	-	75.6	76.6	70.2	71.1	-
Farm machinery and equipment .....	3523	78.6	77.5	73.0	72.4	-	56.4	55.5	52.1	51.4	-
Construction and related machinery .....	353	226.5	225.6	212.3	210.2	-	138.6	137.9	127.6	126.1	-
Construction machinery .....	3531	84.0	82.3	76.7	75.7	-	50.9	49.5	46.1	45.4	-
Mining machinery .....	3532	18.1	17.9	15.9	15.9	-	11.2	11.1	9.1	9.2	-
Oil and gas field machinery .....	3533	43.3	44.3	43.4	42.9	-	27.1	27.8	27.3	27.0	-
Conveyors and conveying equipment .....	3535	33.9	34.3	32.3	32.2	-	18.9	19.3	17.8	17.7	-
Industrial trucks and tractors .....	3537	27.3	27.0	25.7	25.8	-	18.3	18.1	16.7	16.8	-
Metalworking machinery .....	354	327.4	325.7	308.4	307.3	-	234.6	232.9	217.0	216.5	-
Machine tools, metal cutting types .....	3541	44.8	44.4	42.3	42.0	-	28.7	28.4	26.2	26.1	-
Machine tools, metal forming types .....	3542	17.8	17.6	16.2	16.1	-	11.1	10.9	9.9	9.8	-
Special dies, tools, jigs, and fixtures .....	3544	147.6	147.1	139.8	139.9	-	114.6	114.0	106.3	106.3	-
Machine tool accessories .....	3545	55.2	54.7	50.6	50.2	-	38.9	38.5	35.4	35.3	-
Power driven handtools .....	3546	21.3	21.3	20.5	20.2	-	14.8	14.8	14.2	13.9	-
Special industry machinery .....	355	157.3	156.0	146.8	145.9	-	92.8	91.6	83.5	83.3	-
Textile machinery .....	3552	17.8	17.7	16.8	16.6	-	11.8	11.7	11.1	10.9	-
Printing trades machinery .....	3555	25.3	24.8	23.9	23.6	-	13.7	13.0	12.0	12.0	-
Food products machinery .....	3556	22.8	22.7	21.0	20.9	-	13.7	13.7	12.2	12.2	-
General industrial machinery .....	356	246.3	247.3	238.5	237.7	-	156.5	157.5	151.0	150.5	-
Pumps and pumping equipment .....	3561	31.6	31.6	30.7	30.6	-	18.1	18.1	17.4	17.3	-
Ball and roller bearings .....	3562	43.1	43.3	40.9	40.8	-	33.4	33.6	31.8	31.9	-
Air and gas compressors .....	3563	25.7	26.0	25.4	25.4	-	14.1	14.4	13.8	13.7	-
Blowers and fans .....	3564	31.8	31.9	31.4	31.5	-	21.2	21.3	21.3	21.3	-
Speed changers, drives, and gears .....	3566	16.4	16.3	15.1	15.0	-	11.5	11.5	10.5	10.5	-
Power transmission equipment, nec .....	3568	19.2	19.1	18.4	18.3	-	12.8	12.7	12.1	12.0	-
Computer and office equipment .....	357	433.4	432.2	414.2	411.1	-	134.6	134.0	133.2	131.2	-
Electronic computers .....	3571	275.7	274.7	260.1	257.2	-	69.9	69.6	65.0	62.6	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	64.4	64.6	64.0	63.6	-	20.4	21.0	26.3	26.3	-
Refrigeration and service machinery .....	358	170.2	167.2	167.1	165.3	-	118.6	115.8	114.6	113.1	-
Refrigeration and heating equipment .....	3585	116.0	113.7	114.9	113.3	-	83.6	81.7	81.7	80.3	-
Misc. industrial and commercial machinery .....	359	314.5	313.4	298.1	299.5	-	230.5	229.6	217.9	218.6	-
Carburetors, pistons, rings, valves .....	3592	22.7	22.4	21.5	21.3	-	18.5	18.1	17.5	17.3	-
Scales, balances, and industrial machinery, nec .....	3596,9	244.5	244.0	233.5	234.3	-	184.7	184.3	175.2	175.7	-
Electronic and other electrical equipment .....	36	1,655.0	1,643.9	1,583.9	1,584.3	1,579.9	1,043.9	1,034.9	1,000.3	1,002.0	998.5
Electric distribution equipment .....	361	95.8	96.0	91.3	91.0	-	66.9	66.8	62.7	62.7	-
Transformers, except electronic .....	3612	48.1	48.2	46.5	46.5	-	34.0	34.0	32.6	32.6	-
Switchgear and switchboard apparatus .....	3613	47.7	47.8	44.8	44.5	-	32.9	32.8	30.1	30.1	-
Electrical industrial apparatus .....	362	165.7	164.7	159.7	159.1	-	115.9	115.0	111.7	111.2	-
Motors and generators .....	3621	81.2	80.7	77.8	78.0	-	62.7	62.0	59.9	60.0	-
Relays and industrial controls .....	3625	64.6	64.2	62.8	62.2	-	39.5	39.4	38.8	38.3	-
Household appliances .....	363	122.7	121.4	121.8	122.7	-	97.7	96.6	97.0	98.3	-
Household refrigerators and freezers .....	3632	26.2	26.0	28.0	27.5	-	21.4	21.1	22.5	22.2	-
Household laundry equipment .....	3633	20.4	20.2	20.2	20.3	-	15.8	15.7	15.7	15.9	-
Electric housewares and fans .....	3634	32.9	32.6	33.8	34.5	-	25.3	25.0	26.3	27.2	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment .....	364	188.6	185.9	177.1	177.5	-	135.9	133.8	127.8	128.5	-
Electric lamps .....	3641	23.8	23.7	22.3	22.1	-	20.2	20.1	18.7	18.6	-
Current-carrying wiring devices .....	3643	72.7	71.9	68.4	69.0	-	48.1	47.5	45.6	46.1	-
Noncurrent-carrying wiring devices .....	3644	16.9	16.8	15.6	15.8	-	12.1	12.1	11.1	11.4	-
Residential lighting fixtures .....	3645	24.6	23.7	21.4	22.0	-	18.1	17.3	16.1	16.7	-
Household audio and video equipment .....	365	83.1	82.6	80.0	82.4	-	57.0	56.3	54.4	57.0	-
Household audio and video equipment .....	3651	61.6	61.7	60.3	62.6	-	40.3	40.0	39.5	41.9	-
Communications equipment .....	366	258.3	255.8	246.4	245.6	-	130.0	127.6	125.2	124.3	-
Telephone and telegraph apparatus .....	3661	125.5	124.1	121.5	121.3	-	67.1	65.5	66.9	66.6	-
Electronic components and accessories .....	367	573.5	570.8	543.6	541.9	-	324.6	323.5	307.8	305.7	-
Electron tubes .....	3671	31.1	31.0	27.9	27.8	-	20.3	20.4	18.6	18.6	-
Semiconductors and related devices .....	3674	235.7	234.7	227.2	225.9	-	92.4	92.1	89.7	88.3	-
Electronic components, nec .....	3679	138.4	137.5	131.4	131.2	-	87.4	86.8	84.3	83.6	-
Misc. electrical equipment and supplies .....	369	167.3	166.7	164.0	164.1	-	115.9	115.3	113.7	114.3	-
Storage batteries .....	3691	31.0	31.0	31.1	31.1	-	24.0	23.9	24.2	24.3	-
Engine electrical equipment .....	3694	69.5	68.9	68.3	68.8	-	52.7	52.2	52.0	52.6	-
Transportation equipment .....	37	1,966.9	1,903.6	1,872.3	1,859.2	1,856.0	1,220.9	1,164.5	1,169.3	1,162.2	1,158.4
Motor vehicles and equipment .....	371	815.1	761.4	806.7	797.8	799.6	622.9	573.6	621.1	614.6	614.9
Motor vehicles and car bodies .....	3711	329.9	296.7	327.7	319.9	-	240.8	210.6	243.8	237.3	-
Truck and bus bodies .....	3713	39.3	36.8	36.5	35.4	-	30.6	28.2	27.7	26.8	-
Motor vehicle parts and accessories .....	3714	403.5	387.9	398.1	398.2	-	319.5	305.0	315.5	316.5	-
Truck trailers .....	3715	26.5	25.3	24.8	24.9	-	20.6	19.4	19.2	19.2	-
Aircraft and parts .....	372	694.6	689.8	641.3	638.4	-	339.3	336.1	308.7	307.6	-
Aircraft .....	3721	366.3	363.3	340.2	339.8	-	158.8	156.8	144.0	144.6	-
Aircraft engines and engine parts .....	3724	150.7	150.4	138.6	136.9	-	77.4	77.4	69.8	68.6	-
Aircraft parts and equipment, nec .....	3728	177.6	176.1	162.5	161.7	-	103.1	101.9	94.9	94.4	-
Ship and boat building and repairing .....	373	185.4	182.5	174.6	176.1	-	140.8	138.5	135.4	136.8	-
Ship building and repairing .....	3731	132.5	130.6	125.9	127.6	-	97.4	95.7	95.2	96.8	-
Boat building and repairing .....	3732	52.9	51.9	48.7	48.5	-	43.4	42.8	40.2	40.0	-
Railroad equipment .....	374	32.9	33.0	30.6	29.7	-	24.2	24.5	22.4	21.6	-
Guided missiles, space vehicles, and parts .....	376	182.0	181.4	165.4	164.2	-	56.1	55.6	46.3	46.2	-
Guided missiles and space vehicles .....	3761	131.4	131.4	119.3	118.4	-	36.8	36.9	31.4	31.6	-
Miscellaneous transportation equipment .....	379	44.2	43.0	40.9	40.5	-	28.8	27.7	26.3	26.1	-
Travel trailers and campers .....	3792	16.2	15.4	15.9	15.8	-	12.5	11.8	12.5	12.5	-
Instruments and related products .....	38	994.1	991.4	965.8	962.7	961.7	491.5	489.4	470.5	469.4	471.5
Search and navigation equipment .....	381	277.5	276.5	257.1	254.9	-	89.6	89.2	80.3	79.8	-
Measuring and controlling devices .....	382	319.4	318.0	305.5	303.7	-	178.0	176.8	164.8	162.6	-
Environmental controls .....	3822	48.1	47.6	44.8	44.7	-	32.6	32.2	30.1	30.1	-
Process control instruments .....	3823	67.2	66.8	64.0	63.6	-	34.8	34.6	32.4	32.3	-
Instruments to measure electricity .....	3825	89.1	88.5	86.1	85.1	-	44.9	44.5	43.1	41.7	-
Medical instruments and supplies .....	384	245.1	246.0	254.0	255.3	-	143.6	144.0	146.8	148.3	-
Surgical and medical instruments .....	3841	100.3	100.5	105.5	105.8	-	58.6	58.6	62.5	63.3	-
Surgical appliances and supplies .....	3842	93.6	94.2	96.5	97.4	-	59.1	59.8	61.5	62.4	-
Ophthalmic goods .....	385	41.6	41.2	39.2	39.0	-	28.8	28.6	27.0	26.9	-
Photographic equipment and supplies .....	386	99.3	99.2	100.1	99.6	-	42.9	42.7	43.6	43.6	-
Watches, clocks, watchcases, and parts .....	387	11.2	10.5	9.9	10.2	-	8.6	8.1	8.0	8.2	-
Miscellaneous manufacturing industries .....	39	383.5	378.4	371.1	375.5	372.7	278.7	274.0	268.6	272.7	271.6
Jewelry, silverware, and plated ware .....	391	55.0	54.5	52.8	54.1	-	39.5	38.9	38.1	39.2	-
Jewelry, precious metal .....	3911	40.6	40.3	38.5	39.6	-	29.0	28.7	27.7	28.6	-
Musical instruments .....	393	12.5	12.4	12.1	12.1	-	10.2	10.1	9.8	9.8	-
Toys and sporting goods .....	394	106.2	104.9	105.5	106.8	-	77.8	76.9	76.8	78.2	-
Dolls, games, toys, and children's vehicles .....	3942,4	45.1	43.8	45.6	46.9	-	32.3	31.1	32.7	34.0	-
Sporting and athletic goods, nec .....	3949	61.1	61.1	59.9	59.9	-	45.5	45.8	44.1	44.2	-
Pens, pencils, office, and art supplies .....	395	33.0	32.9	32.1	32.2	-	22.9	22.8	22.7	22.7	-
Costume jewelry and notions .....	396	34.2	33.7	31.7	32.3	-	25.4	24.9	22.8	23.5	-
Costume jewelry .....	3961	22.2	21.9	20.1	20.7	-	16.2	15.9	14.0	14.8	-
Miscellaneous manufactures .....	399	142.6	140.0	136.9	138.0	-	102.9	100.4	98.4	99.3	-
Signs and advertising specialties .....	3993	57.0	55.4	53.4	53.9	-	39.9	38.5	36.7	37.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods</b> .....		8,042	7,973	7,984	7,951	7,914	5,644	5,578	5,598	5,570	5,534
Food and kindred products .....	20	1,719.6	1,682.7	1,759.8	1,719.5	1,686.1	1,250.8	1,216.7	1,295.1	1,258.3	1,225.6
Meat products .....	201	431.8	436.2	441.1	443.3	-	369.0	372.8	376.5	378.4	-
Meat packing plants .....	2011	139.7	141.3	144.2	145.1	-	118.8	120.4	122.8	123.2	-
Sausages and other prepared meats .....	2013	88.4	88.9	87.8	87.6	-	66.3	67.0	66.5	66.4	-
Poultry slaughtering and processing .....	2015	203.7	206.0	209.1	210.6	-	183.9	185.4	187.2	188.8	-
Dairy products .....	202	153.5	152.9	151.7	150.5	-	93.6	93.4	93.4	92.2	-
Cheese, natural and processed .....	2022	41.1	41.2	40.1	40.0	-	31.8	31.9	31.0	30.8	-
Fluid milk .....	2026	73.9	73.7	72.1	71.9	-	36.6	36.6	35.9	36.0	-
Preserved fruits and vegetables .....	203	271.9	234.1	317.5	270.7	-	230.5	194.4	275.6	231.0	-
Canned specialties .....	2032	23.3	22.0	23.0	22.1	-	19.0	17.8	19.1	18.3	-
Canned fruits and vegetables .....	2033	105.1	79.7	142.6	101.7	-	91.9	67.4	127.8	88.4	-
Frozen fruits and vegetables .....	2037	54.5	47.9	56.8	54.2	-	47.8	41.7	50.7	48.1	-
Grain mill products .....	204	129.0	128.3	128.7	128.8	-	90.4	90.2	91.2	91.0	-
Flour and other grain mill products .....	2041	22.4	22.5	22.6	22.6	-	14.4	14.7	15.1	15.2	-
Prepared feeds, nec .....	2048	44.9	44.7	43.9	44.1	-	28.8	28.8	28.0	27.9	-
Bakery products .....	205	215.4	215.2	211.0	212.0	-	136.1	136.2	134.2	135.2	-
Bread, cake, and related products .....	2051	154.1	154.1	151.0	150.8	-	88.6	88.8	87.9	87.6	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	61.3	61.1	60.0	61.2	-	47.5	47.4	46.3	47.6	-
Sugar and confectionery products .....	206	114.2	116.5	110.8	120.0	-	92.6	93.6	87.4	96.3	-
Raw cane sugar .....	2061	6.9	9.1	7.1	8.2	-	5.1	7.1	5.3	6.4	-
Cane sugar refining .....	2062	5.4	5.4	5.4	5.3	-	3.9	4.0	3.9	3.9	-
Beet sugar .....	2063	15.4	12.1	10.7	15.8	-	13.7	10.4	9.1	14.0	-
Candy and other confectionery products .....	2064	56.0	59.5	57.6	59.8	-	47.4	49.7	47.4	49.2	-
Fats and oils .....	207	31.4	31.1	31.3	32.3	-	22.3	22.1	20.7	21.8	-
Beverages .....	208	186.2	183.7	184.7	182.2	-	78.2	77.1	79.2	78.2	-
Malt beverages .....	2082	39.2	39.3	38.7	38.4	-	23.1	23.0	23.1	22.9	-
Bottled and canned soft drinks .....	2086	102.7	101.3	102.2	100.6	-	33.4	33.2	34.6	34.1	-
Misc. food and kindred products .....	209	186.2	184.7	183.0	179.7	-	138.1	136.9	136.9	134.2	-
Tobacco products .....	21	51.6	50.6	51.1	50.5	49.1	38.4	37.7	38.8	38.3	36.5
Cigarettes .....	211	35.2	35.2	34.8	34.5	-	26.0	26.1	26.1	25.8	-
Textile mill products .....	22	681.4	679.9	675.0	675.5	675.1	582.7	583.0	579.0	579.7	579.1
Broadwoven fabric mills, cotton .....	221	89.5	90.0	88.1	88.1	-	79.6	80.1	78.4	78.2	-
Broadwoven fabric mills, synthetics .....	222	76.8	76.6	73.8	73.8	-	67.2	67.4	64.7	64.9	-
Broadwoven fabric mills, wool .....	223	17.4	16.9	17.5	17.4	-	14.1	13.6	14.5	14.4	-
Narrow fabric mills .....	224	24.3	24.2	24.4	24.5	-	20.7	20.5	20.5	20.6	-
Knitting mills .....	225	200.3	202.4	202.7	202.8	-	173.7	176.1	177.0	177.0	-
Women's hosiery, except socks .....	2251	31.8	32.0	30.9	30.9	-	28.4	28.6	27.6	27.6	-
Hosiery, nec .....	2252	38.5	38.4	39.5	39.3	-	34.2	34.1	35.1	35.0	-
Knit outerwear mills .....	2253	54.4	56.8	56.0	56.1	-	46.8	49.4	49.7	49.8	-
Knit underwear mills .....	2254	29.3	29.1	28.8	28.9	-	25.1	25.0	24.9	24.9	-
Weft knit fabric mills .....	2257	25.7	25.9	26.7	26.8	-	22.3	22.4	22.9	22.9	-
Textile finishing, except wool .....	226	61.2	60.4	62.3	62.6	-	49.7	49.2	51.1	51.4	-
Finishing plants, cotton .....	2261	24.5	24.4	24.8	25.1	-	19.8	19.8	20.1	20.4	-
Finishing plants, synthetics .....	2262	24.0	23.7	24.8	24.9	-	19.2	19.1	20.2	20.3	-
Carpets and rugs .....	227	61.7	60.7	60.1	60.2	-	50.5	49.9	48.9	49.1	-
Yarn and thread mills .....	228	99.2	97.5	95.1	95.1	-	88.6	87.1	84.6	84.9	-
Yarn spinning mills .....	2281	78.3	76.8	74.3	74.4	-	70.2	68.8	66.5	66.7	-
Throwing and winding mills .....	2282	14.1	14.0	14.0	13.9	-	12.4	12.3	12.1	12.1	-
Miscellaneous textile goods .....	229	51.0	51.2	51.0	51.0	-	38.6	39.1	39.3	39.2	-
Apparel and other textile products .....	23	1,041.9	1,030.4	1,040.5	1,048.1	1,048.6	873.1	861.9	871.3	879.1	880.1
Men's and boys' suits and coats .....	231	49.4	49.7	48.9	48.7	-	41.5	41.7	40.7	40.6	-
Men's and boys' furnishings .....	232	269.6	267.6	278.6	279.7	-	230.5	229.6	239.0	240.3	-
Men's and boys' shirts .....	2321	62.7	61.7	65.2	64.8	-	53.1	52.6	56.1	55.8	-
Men's and boys' trousers and slacks .....	2325	79.8	79.4	85.4	86.1	-	68.8	68.6	74.1	74.7	-
Men's and boys' work clothing .....	2326	43.8	43.3	44.2	44.2	-	37.9	37.4	38.2	38.2	-
Women's and misses' outerwear .....	233	333.8	330.4	329.8	334.1	-	280.1	276.1	276.4	280.9	-
Women's and misses' blouses and shirts .....	2331	39.0	38.2	37.7	38.1	-	32.0	31.3	31.0	31.3	-
Women's, juniors', and misses' dresses .....	2335	68.8	67.8	64.7	64.7	-	56.4	55.5	53.0	53.2	-
Women's and misses' suits and coats .....	2337	38.7	37.0	39.6	40.2	-	32.5	30.6	33.8	34.4	-
Women's and misses' outerwear, nec .....	2339	187.3	187.4	187.8	191.1	-	159.2	158.7	158.6	162.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Apparel and other textile products—Continued											
Women's and children's undergarments .....	234	63.1	62.6	62.4	62.7	-	51.7	51.1	51.0	51.5	-
Women's and children's underwear .....	2341	51.1	50.8	51.0	51.3	-	43.6	43.1	43.1	43.5	-
Brassieres, girdles, and allied garments .....	2342	12.0	11.8	11.4	11.4	-	8.1	8.0	7.9	8.0	-
Girls' and children's outerwear .....	236	56.4	56.5	56.7	57.4	-	47.7	47.7	48.2	49.0	-
Girls' and children's dresses and blouses .....	2361	23.8	24.2	23.0	23.5	-	20.9	21.1	20.4	20.9	-
Misc. apparel and accessories .....	238	45.0	44.2	43.8	43.8	-	37.1	36.5	35.8	35.7	-
Misc. fabricated textile products .....	239	206.8	201.6	203.2	204.6	-	169.9	164.6	166.1	167.0	-
Curtains and draperies .....	2391	23.6	23.1	22.2	22.6	-	19.4	19.0	18.4	18.7	-
House furnishings, nec .....	2392	56.4	56.5	56.4	57.2	-	46.8	47.1	47.5	48.3	-
Automotive and apparel trimmings .....	2396	49.0	46.1	49.1	48.8	-	40.4	37.2	40.2	39.8	-
Paper and allied products .....	26	699.8	697.3	692.9	691.7	690.5	526.0	523.3	522.7	521.5	521.6
Paper mills .....	262	177.9	178.0	177.6	176.5	-	134.4	134.4	135.2	134.3	-
Paperboard mills .....	263	51.4	51.2	49.9	49.8	-	39.8	39.8	38.7	38.5	-
Paperboard containers and boxes .....	265	211.1	210.7	209.1	209.5	-	163.4	163.0	162.8	163.2	-
Corrugated and solid fiber boxes .....	2653	118.6	118.9	118.0	118.7	-	89.0	89.1	88.8	89.3	-
Sanitary food containers .....	2656	16.1	15.8	15.9	15.6	-	13.6	13.3	13.7	13.5	-
Folding paperboard boxes .....	2657	50.7	50.8	49.9	50.2	-	40.9	41.0	40.6	40.9	-
Misc. converted paper products .....	267	245.6	243.7	242.4	242.1	-	177.8	175.6	175.2	174.9	-
Paper, coated and laminated, nec .....	2672	46.1	46.1	45.6	45.6	-	22.2	22.2	22.5	22.3	-
Bags: plastics, laminated, and coated .....	2673	35.6	35.6	35.9	35.8	-	26.9	26.7	26.7	26.6	-
Envelopes .....	2677	26.5	26.5	25.6	25.5	-	20.6	20.6	19.8	19.7	-
Printing and publishing .....	27	1,570.2	1,573.9	1,523.9	1,524.6	1,529.1	868.9	871.0	838.9	839.9	843.8
Newspapers .....	271	477.5	477.0	458.7	459.6	-	166.9	166.6	159.1	159.9	-
Periodicals .....	272	129.7	129.9	125.0	124.9	-	47.8	48.1	44.6	44.6	-
Books .....	273	117.4	120.2	117.4	116.7	-	61.0	63.2	63.0	62.1	-
Book publishing .....	2731	82.8	84.9	82.3	81.8	-	33.0	34.6	34.4	33.6	-
Book printing .....	2732	34.6	35.3	35.1	34.9	-	28.0	28.6	28.6	28.5	-
Miscellaneous publishing .....	274	81.9	82.5	81.2	81.6	-	41.8	41.6	39.5	39.7	-
Commercial printing .....	275	551.7	553.2	535.3	535.6	-	401.6	402.1	387.0	387.7	-
Commercial printing, lithographic .....	2752	366.9	367.7	355.4	356.3	-	266.9	267.2	256.4	257.5	-
Commercial printing, nec .....	2759	167.1	167.9	162.2	161.7	-	120.6	120.8	116.3	116.0	-
Manifold business forms .....	276	50.0	49.8	48.2	48.2	-	34.8	34.8	33.5	33.6	-
Blankbooks and bookbinding .....	278	71.8	70.9	69.3	69.0	-	55.1	54.4	52.6	52.6	-
Printing trade services .....	279	63.8	64.0	61.7	61.7	-	46.5	46.9	44.7	44.6	-
Chemicals and allied products .....	28	1,092.7	1,091.1	1,090.6	1,089.3	1,088.6	598.8	595.6	581.3	579.4	578.6
Industrial inorganic chemicals .....	281	142.1	141.9	138.0	138.2	-	72.0	72.3	65.2	64.3	-
Industrial inorganic chemicals, nec .....	2819	95.5	95.5	92.4	92.4	-	49.8	49.9	45.0	44.5	-
Plastics materials and synthetics .....	282	179.8	179.8	178.0	177.8	-	114.3	113.8	109.4	109.4	-
Plastics materials and resins .....	2821	85.8	85.8	85.6	85.4	-	50.2	50.3	50.3	50.2	-
Organic fibers, noncellulosic .....	2824	63.9	63.8	61.9	61.9	-	43.5	43.1	39.6	39.6	-
Drugs .....	283	238.7	239.9	248.3	248.8	-	105.4	105.9	107.7	107.1	-
Pharmaceutical preparations .....	2834	197.9	198.7	204.7	205.1	-	89.1	89.6	91.5	91.0	-
Soap, cleaners, and toilet goods .....	284	160.4	158.3	158.0	157.3	-	98.6	96.5	97.0	96.7	-
Soap and other detergents .....	2841	43.5	44.0	43.9	44.1	-	28.0	28.2	27.8	28.0	-
Polishing, sanitation, and finishing preparations .....	2842,3	46.0	45.5	45.6	45.6	-	24.9	24.5	25.1	25.1	-
Toilet preparations .....	2844	70.9	68.8	68.5	67.6	-	45.7	43.8	44.1	43.6	-
Paints and allied products .....	285	61.5	60.9	59.6	59.0	-	31.3	30.7	30.6	30.3	-
Industrial organic chemicals .....	286	154.1	154.3	154.3	153.1	-	84.0	83.4	78.9	78.2	-
Cyclic crudes and intermediates .....	2865	27.7	27.7	28.1	28.1	-	16.6	16.6	16.1	16.4	-
Industrial organic chemicals, nec .....	2869	122.3	122.5	122.3	121.1	-	64.6	64.0	60.1	59.1	-
Agricultural chemicals .....	287	55.4	55.5	55.8	56.2	-	33.5	33.7	33.7	34.1	-
Miscellaneous chemical products .....	289	100.7	100.5	98.6	98.9	-	59.7	59.3	58.8	59.3	-
Petroleum and coal products .....	29	160.1	159.3	161.6	160.7	158.7	105.4	104.3	104.9	103.9	101.9
Petroleum refining .....	291	118.1	118.6	121.1	120.5	-	75.3	75.5	76.5	75.9	-
Asphalt paving and roofing materials .....	295	29.1	27.8	27.7	27.4	-	22.6	21.3	21.5	21.1	-
Rubber and misc. plastics products .....	30	894.3	880.5	865.9	869.9	866.5	693.1	680.0	666.8	671.2	638.8
Tires and inner tubes .....	301	86.8	87.0	83.2	84.3	-	63.5	63.4	61.3	62.6	-
Rubber and plastics footwear .....	302	11.2	11.2	11.6	11.7	-	9.0	9.0	9.4	9.5	-
Hose, belting, gaskets, and packing .....	305	60.5	60.1	57.7	58.0	-	43.5	43.5	42.1	42.4	-
Rubber and plastics hose and belting .....	3052	24.1	24.2	22.8	23.0	-	17.9	18.1	17.2	17.4	-
Fabricated rubber products, nec .....	306	104.4	101.9	96.7	96.7	-	78.9	76.5	72.3	72.7	-
Miscellaneous plastics products, nec .....	308	631.4	620.3	616.7	619.2	-	498.2	487.6	481.7	484.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Leather and leather products .....	31	130.0	127.1	122.4	121.1	121.7	106.7	104.1	99.5	98.3	98.2
Leather tanning and finishing .....	311	14.1	13.6	14.1	14.1	-	11.6	11.2	11.6	11.6	-
Footwear, except rubber .....	314	72.7	71.0	67.9	66.5	-	61.6	60.1	56.9	56.0	-
Men's footwear, except athletic .....	3143	31.1	30.8	29.0	28.5	-	25.4	25.2	23.4	22.9	-
Women's footwear, except athletic .....	3144	27.1	26.5	25.2	24.8	-	23.4	22.8	21.5	21.4	-
Luggage .....	316	10.3	10.3	9.4	9.4	-	7.0	7.1	6.3	6.3	-
Handbags and personal leather goods .....	317	14.6	14.1	13.8	13.7	-	11.5	10.9	10.5	10.4	-
<b>Transportation and public utilities .....</b>		<b>5,907</b>	<b>5,897</b>	<b>5,877</b>	<b>5,879</b>	<b>5,874</b>	<b>4,905</b>	<b>4,899</b>	<b>4,895</b>	<b>4,902</b>	<b>4,905</b>
Transportation .....		3,634	3,628	3,615	3,625	3,630	-	-	-	-	-
Railroad transportation .....	40	280.6	277.0	268.5	268.8	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	241.9	238.5	230.5	230.8	-	-	-	-	-	-
Local and interurban passenger transit .....	41	367.3	368.1	377.1	386.2	-	338.1	339.0	345.9	354.9	-
Local and suburban transportation .....	411	141.3	141.8	147.4	147.9	-	128.3	129.0	134.1	134.7	-
Taxicabs .....	412	32.3	32.8	31.3	31.6	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	24.4	23.9	24.2	24.5	-	21.4	20.9	21.5	21.8	-
School buses .....	415	139.3	139.5	142.0	149.2	-	-	-	-	-	-
Trucking and warehousing .....	42	1,668.9	1,668.8	1,666.5	1,673.2	-	1,454.7	1,455.0	1,452.5	1,458.6	-
Trucking and courier services, except air .....	421	1,540.2	1,543.0	1,542.8	1,543.7	-	1,347.6	1,350.6	1,349.4	1,349.8	-
Public warehousing and storage .....	422	124.8	121.7	119.7	125.5	-	103.7	100.9	99.6	105.3	-
Water transportation .....	44	170.8	166.1	180.4	173.7	-	-	-	-	-	-
Water transportation of freight, nec .....	444	15.4	15.3	15.0	14.8	-	-	-	-	-	-
Water transportation services .....	449	105.1	102.8	112.3	106.9	-	92.5	90.1	99.6	94.6	-
Transportation by air .....	45	772.1	774.2	751.8	751.4	-	-	-	-	-	-
Air transportation, scheduled .....	451	645.8	648.6	623.0	624.8	-	-	-	-	-	-
Airports, flying fields, and services .....	458	99.1	98.8	100.4	98.8	-	-	-	-	-	-
Pipelines, except natural gas .....	46	18.3	18.4	19.3	19.2	-	13.5	13.5	14.4	14.3	-
Transportation services .....	47	355.8	354.9	351.7	352.4	-	-	-	-	-	-
Passenger transportation arrangement .....	472	194.5	194.0	192.2	192.1	-	153.9	153.4	149.1	149.6	-
Travel agencies .....	4724	155.2	155.2	152.3	152.3	-	121.8	121.8	117.7	118.2	-
Freight transportation arrangement .....	473	133.4	133.3	132.1	132.9	-	107.9	107.5	104.7	105.8	-
Communications and public utilities .....		2,273	2,269	2,262	2,254	2,244	-	-	-	-	-
Communications .....	48	1,309.5	1,305.8	1,288.3	1,286.6	-	976.5	975.7	977.1	980.7	-
Telephone communications .....	481	906.3	903.3	888.6	888.3	-	650.4	649.3	652.1	656.2	-
Radio and television broadcasting .....	483	236.4	236.4	230.7	229.3	-	195.8	195.5	191.2	190.2	-
Radio broadcasting stations .....	4832	120.1	120.2	117.5	116.9	-	-	-	-	-	-
Television broadcasting stations .....	4833	116.3	116.2	113.2	112.4	-	-	-	-	-	-
Cable and other pay television services .....	484	129.9	129.2	132.8	133.1	-	108.5	108.5	112.0	112.5	-
Electric, gas, and sanitary services .....	49	963.9	962.9	973.3	967.1	-	763.9	762.0	767.9	762.4	-
Electric services .....	491	455.1	454.6	455.2	452.2	-	351.2	351.0	351.1	348.7	-
Gas production and distribution .....	492	164.9	165.0	165.2	164.7	-	128.8	128.8	128.6	128.3	-
Combination utility services .....	493	192.9	192.1	191.0	189.3	-	156.3	154.7	151.0	149.1	-
Sanitary services .....	495	120.7	120.9	130.5	129.8	-	103.9	103.8	112.5	111.8	-
<b>Wholesale trade .....</b>		<b>6,209</b>	<b>6,193</b>	<b>6,067</b>	<b>6,061</b>	<b>6,048</b>	<b>4,986</b>	<b>4,970</b>	<b>4,865</b>	<b>4,861</b>	<b>4,848</b>
Durable goods .....	50	3,613	3,606	3,495	3,489	3,484	2,869	2,861	2,767	2,762	-
Motor vehicles, parts, and supplies .....	501	458.7	456.6	451.0	449.6	-	370.3	367.6	362.5	361.1	-
Automobiles and other motor vehicles .....	5012	120.2	120.0	119.4	119.5	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	268.1	267.0	262.1	261.0	-	-	-	-	-	-
Furniture and home furnishings .....	502	149.7	149.8	141.2	141.2	-	120.4	120.7	112.0	112.3	-
Furniture .....	5021	68.7	68.7	64.4	63.8	-	-	-	-	-	-
Home furnishings .....	5023	81.0	81.1	76.8	77.4	-	-	-	-	-	-
Lumber and other construction materials .....	503	233.6	231.4	227.2	226.3	-	189.4	187.7	183.8	183.7	-
Lumber, plywood, and millwork .....	5031	119.8	118.8	117.6	116.8	-	-	-	-	-	-
Construction materials, nec .....	5039	43.7	43.5	43.4	43.0	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Wholesale trade—Continued</b>											
Durable goods—Continued											
Professional and commercial equipment .....	504	768.4	768.9	745.0	742.5	-	619.5	618.7	599.2	597.1	-
Computers, peripherals and software .....	5045	295.6	296.3	275.6	273.0	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	139.1	139.2	133.1	132.3	-	110.3	109.8	105.3	104.3	-
Electrical goods .....	506	498.7	498.9	483.5	483.7	-	372.2	372.1	363.5	363.7	-
Electrical apparatus and equipment .....	5063	205.0	205.6	199.5	200.1	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	62.3	62.1	58.4	58.2	-	-	-	-	-	-
Electronic parts and equipment .....	5065	231.4	231.2	225.6	225.4	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	278.4	276.6	263.5	263.5	-	223.7	222.1	210.2	209.6	-
Hardware .....	5072	96.0	95.6	89.6	90.0	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	116.2	115.2	110.1	109.9	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	796.2	791.6	771.2	768.4	-	632.3	628.0	609.4	606.3	-
Construction and mining machinery .....	5082	83.9	83.1	78.0	77.5	-	-	-	-	-	-
Farm and garden machinery .....	5083	117.6	116.4	115.6	114.6	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	328.4	325.9	315.9	314.2	-	-	-	-	-	-
Industrial supplies .....	5085	144.8	145.1	143.1	143.2	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	290.1	292.9	278.8	281.2	-	231.0	234.4	221.3	224.2	-
Scrap and waste materials .....	5093	109.0	108.6	103.2	103.6	-	-	-	-	-	-
Nondurable goods .....	51	2,596	2,587	2,572	2,572	2,564	2,117	2,109	2,098	2,099	-
Paper and paper products .....	511	240.1	240.3	235.3	235.8	-	193.8	194.2	189.6	190.2	-
Drugs, proprietaries, and sundries .....	512	189.0	189.2	188.2	189.0	-	159.0	159.0	157.5	158.3	-
Apparel, piece goods, and notions .....	513	208.4	204.5	205.1	205.3	-	164.9	161.5	161.4	161.4	-
Groceries and related products .....	514	858.6	853.8	847.2	842.8	-	720.9	716.0	711.2	707.0	-
Groceries, general line .....	5141	274.6	275.4	271.7	270.7	-	-	-	-	-	-
Meats and meat products .....	5147	61.0	62.2	60.1	60.7	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	106.9	101.3	103.0	99.8	-	-	-	-	-	-
Chemicals and allied products .....	516	136.9	136.6	136.2	135.5	-	98.0	97.8	100.0	99.7	-
Petroleum and petroleum products .....	517	198.5	199.1	193.1	192.4	-	157.4	157.8	153.9	154.6	-
Petroleum bulk stations and terminals .....	5171	83.9	84.2	83.2	82.9	-	-	-	-	-	-
Petroleum products, nec .....	5172	114.6	114.9	109.9	109.5	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	151.4	152.7	155.1	155.0	-	124.5	125.8	126.8	126.7	-
Beer and ale .....	5181	95.9	95.9	98.9	98.4	-	-	-	-	-	-
Wine and distilled beverages .....	5182	55.5	56.8	56.2	56.6	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	483.6	486.1	491.9	492.7	-	391.4	393.8	399.0	398.9	-
Farm supplies .....	5191	155.7	154.6	161.0	159.8	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>19,669</b>	<b>19,950</b>	<b>19,377</b>	<b>19,294</b>	<b>19,509</b>	<b>17,422</b>	<b>17,687</b>	<b>17,095</b>	<b>17,011</b>	<b>17,217</b>
Building materials and garden supplies .....	52	767.5	759.7	751.6	747.5	-	636.1	628.8	617.9	613.7	-
Lumber and other building materials .....	521	427.8	420.9	417.5	412.8	-	360.1	353.8	349.7	345.1	-
Hardware stores .....	525	161.2	161.5	161.9	161.8	-	133.0	133.0	132.3	132.1	-
General merchandise stores .....	53	2,508.5	2,644.9	2,306.5	2,339.4	2,457.1	2,352.7	2,481.9	2,162.9	2,193.8	-
Department stores .....	531	2,125.8	2,235.0	1,942.8	1,972.1	-	2,010.5	2,112.7	1,839.7	1,866.5	-
Variety stores .....	533	164.5	173.9	159.8	160.7	-	149.0	158.5	144.1	145.3	-
Miscellaneous general merchandise stores .....	539	218.2	236.0	203.9	206.6	-	193.2	210.7	179.1	182.0	-
Food stores .....	54	3,246.2	3,286.0	3,216.7	3,229.1	3,256.1	2,986.2	3,020.6	2,947.4	2,958.1	-
Grocery stores .....	541	2,901.0	2,924.0	2,868.6	2,873.3	-	2,683.0	2,703.4	2,644.4	2,649.8	-
Meat and fish markets .....	542	49.5	54.2	50.3	51.5	-	-	-	-	-	-
Dairy products stores .....	545	25.3	29.5	25.6	27.3	-	-	-	-	-	-
Retail bakeries .....	546	167.3	168.2	169.3	172.3	-	149.0	149.9	150.9	153.6	-
Automotive dealers and service stations .....	55	2,083.6	2,069.0	2,053.2	2,045.8	2,037.2	1,735.0	1,721.5	1,708.7	1,702.7	-
New and used car dealers .....	551	931.9	926.1	905.9	905.3	-	773.0	767.8	750.7	750.6	-
Auto and home supply stores .....	553	345.9	344.0	349.3	350.1	-	277.3	275.5	279.9	279.7	-
Gasoline service stations .....	554	647.7	645.0	637.7	631.0	-	559.6	556.6	550.5	545.9	-
Automotive dealers, nec .....	559	10.5	10.4	10.7	10.6	-	8.5	8.5	8.7	8.6	-
Apparel and accessory stores .....	56	1,152.1	1,198.0	1,096.3	1,102.2	-	963.9	1,006.7	901.0	905.1	-
Men's and boys' clothing stores .....	561	95.9	99.9	85.0	85.9	-	76.6	80.7	68.8	69.8	-
Women's clothing stores .....	562	399.6	410.7	373.7	374.1	-	333.1	342.7	307.9	300.5	-
Family clothing stores .....	565	279.0	306.2	283.9	285.0	-	240.4	266.0	244.2	245.3	-
Shoe stores .....	566	218.9	217.3	202.4	203.9	-	179.8	178.2	154.2	154.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Retail trade—Continued</b>											
Furniture and home furnishings stores .....	57	818.2	831.7	799.0	802.5	-	668.3	681.2	650.3	653.7	-
Furniture and home furnishings stores .....	571	460.0	463.7	451.0	452.5	-	374.3	377.1	364.7	366.2	-
Furniture stores .....	5712	280.7	281.9	276.0	275.7	-	-	-	-	-	-
Household appliance stores .....	572	79.0	78.9	70.7	70.6	-	64.5	64.8	57.2	57.3	-
Radio, television, and computer stores .....	573	279.2	289.1	277.3	279.4	-	229.5	239.3	228.4	230.2	-
Radio, television, and electronic stores .....	5731	116.6	122.0	118.1	119.2	-	98.1	103.5	99.9	100.6	-
Record and prerecorded tape stores .....	5735	62.4	66.2	58.5	59.0	-	52.2	55.7	48.6	49.1	-
Eating and drinking places .....	58	6,564.3	6,554.5	6,700.6	6,538.8	6,504.6	5,954.7	5,941.5	6,063.4	5,906.0	-
Miscellaneous retail establishments .....	59	2,528.2	2,606.1	2,453.0	2,488.4	-	2,125.5	2,204.8	2,043.5	2,078.1	-
Drug stores and proprietary stores .....	591	627.6	634.7	624.5	629.4	-	529.7	537.3	522.4	526.6	-
Liquor stores .....	592	120.9	121.6	121.1	121.3	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	880.0	934.6	859.0	872.7	-	735.2	789.8	712.2	726.9	-
Sporting goods and bicycle shops .....	5941	160.7	164.9	156.6	157.5	-	-	-	-	-	-
Book stores .....	5942	95.4	97.0	98.6	95.6	-	-	-	-	-	-
Stationery stores .....	5943	77.4	79.0	74.1	74.9	-	-	-	-	-	-
Jewelry stores .....	5944	146.1	152.9	140.9	143.2	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	188.7	193.3	190.4	191.1	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	67.6	69.7	64.1	68.4	-	-	-	-	-	-
Nonstore retailers .....	596	299.5	307.2	251.0	261.8	-	266.3	274.3	218.0	228.1	-
Catalog and mail-order houses .....	5961	166.0	174.8	132.1	143.5	-	-	-	-	-	-
Merchandising machine operators .....	5962	80.4	80.0	75.3	74.9	-	-	-	-	-	-
Fuel dealers .....	598	108.0	110.0	102.4	104.9	-	89.8	91.6	84.6	86.8	-
Retail stores, nec .....	599	421.1	428.1	425.3	427.4	-	346.8	353.5	349.5	351.2	-
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		<b>6,727</b>	<b>6,716</b>	<b>6,707</b>	<b>6,678</b>	<b>6,681</b>	<b>4,870</b>	<b>4,854</b>	<b>4,839</b>	<b>4,815</b>	<b>4,817</b>
Finance .....		3,293	3,295	3,280	3,269	3,277	-	-	-	-	-
Depository institutions .....	60	2,267.3	2,270.8	2,247.5	2,236.7	-	1,641.1	1,642.1	1,624.9	1,616.0	-
Commercial banks .....	602	1,563.7	1,567.2	1,557.4	1,547.2	-	1,110.4	1,111.8	1,105.0	1,096.1	-
State commercial banks .....	6022	666.3	666.3	662.1	659.9	-	-	-	-	-	-
Savings institutions .....	603	446.5	445.6	431.3	430.8	-	-	-	-	-	-
Federal savings institutions .....	6035	236.1	235.1	223.6	223.5	-	-	-	-	-	-
Savings institutions, except federal .....	6036	210.4	210.5	207.7	207.3	-	-	-	-	-	-
Credit unions .....	606	135.4	136.0	138.5	139.1	-	108.5	108.8	110.7	111.3	-
Nondepository institutions .....	61	373.0	372.5	377.5	376.9	-	271.1	270.2	276.9	276.0	-
Personal credit institutions .....	614	127.4	128.1	125.9	125.0	-	95.4	96.0	94.4	94.0	-
Business credit institutions .....	615	80.3	80.4	80.5	80.4	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	154.6	153.3	160.5	160.9	-	-	-	-	-	-
Security and commodity brokers .....	62	425.6	422.9	427.0	427.0	-	-	-	-	-	-
Security brokers and dealers .....	621	323.2	320.8	324.8	325.4	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	24.3	24.2	21.4	21.2	-	-	-	-	-	-
Security and commodity services .....	628	78.1	77.9	80.8	80.4	-	48.7	48.5	51.6	51.4	-
Holding and other investment offices .....	67	227.3	228.4	228.3	228.3	-	-	-	-	-	-
Insurance .....	63,64	2,121	2,122	2,118	2,117	2,118	-	-	-	-	-
Insurance carriers .....	63	1,455.6	1,456.8	1,453.1	1,452.7	-	979.1	981.0	978.6	975.8	-
Life insurance .....	631	536.3	535.9	527.8	527.6	-	328.2	327.1	317.0	314.6	-
Medical service and health insurance .....	632	245.2	246.6	256.7	257.1	-	198.9	200.5	209.2	209.7	-
Fire, marine, and casualty insurance .....	633	559.8	561.0	559.9	558.8	-	363.7	366.1	366.4	365.1	-
Title insurance .....	636	60.4	58.9	53.0	53.5	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	665.8	665.2	664.4	664.1	-	-	-	-	-	-
Real estate .....	65	1,313	1,299	1,309	1,292	1,286	-	-	-	-	-
Real estate operators and lessors .....	651	564.0	561.9	569.1	560.6	-	-	-	-	-	-
Real estate agents and managers .....	653	568.7	563.6	563.3	558.1	-	-	-	-	-	-
Subdividers and developers .....	655	149.7	143.4	146.4	143.6	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Services</b> .....		28,554	28,501	29,024	29,110	29,042	24,922	24,864	25,296	25,388	25,316
Hotels and other lodging places .....	70	1,631.7	1,598.1	1,656.0	1,602.0	-	-	-	-	-	-
Hotels and motels .....	701	1,587.3	1,556.2	1,602.0	1,553.2	-	1,404.2	1,373.7	1,416.9	1,371.8	-
Personal services .....	72	1,099.6	1,100.4	1,103.2	1,103.4	-	-	-	-	-	-
Laundry, cleaning, and garment services .....	721	437.9	439.8	428.8	430.8	-	388.5	390.3	378.6	380.3	-
Photographic studios, portrait .....	722	73.0	74.0	74.1	77.3	-	-	-	-	-	-
Beauty shops .....	723	375.6	378.6	386.6	387.4	-	336.8	339.5	347.6	348.1	-
Funeral service and crematories .....	726	83.6	83.6	84.6	85.2	-	-	-	-	-	-
Miscellaneous personal services .....	729	105.6	99.7	105.4	99.2	-	91.6	85.7	90.2	84.4	-
Business services .....	73	5,363.4	5,327.7	5,416.2	5,449.4	5,408.6	4,722.8	4,681.4	4,752.0	4,786.7	-
Advertising .....	731	237.8	237.8	229.4	229.8	-	169.4	168.9	160.7	161.1	-
Advertising agencies .....	7311	168.5	168.5	161.2	161.5	-	-	-	-	-	-
Credit reporting and collection .....	732	108.1	107.4	114.4	113.9	-	-	-	-	-	-
Mailing, reproduction, and stenographic services .....	733	253.1	254.8	265.3	262.5	-	-	-	-	-	-
Services to buildings .....	734	799.3	805.8	784.6	783.8	-	722.8	729.9	706.3	705.4	-
Personnel supply services .....	736	1,628.8	1,582.2	1,604.0	1,626.7	-	-	-	-	-	-
Employment agencies .....	7361	272.8	265.3	262.5	266.7	-	-	-	-	-	-
Help supply services .....	7363	1,356.0	1,316.9	1,341.5	1,360.0	-	1,311.6	1,269.9	1,295.4	1,313.9	-
Computer and data processing services .....	737	793.6	799.4	846.5	847.9	-	621.3	624.8	665.1	668.0	-
Computer programming services .....	7371	157.5	158.7	168.6	169.3	-	124.7	125.6	134.2	134.9	-
Prepackaged software .....	7372	115.2	116.2	129.8	130.1	-	-	-	-	-	-
Data processing and preparation .....	7374	199.9	201.6	209.1	208.8	-	-	-	-	-	-
Miscellaneous business services .....	738	1,328.2	1,328.2	1,358.8	1,365.7	-	1,175.1	1,176.4	1,200.7	1,206.6	-
Detective and armored car services .....	7381	475.1	477.5	490.6	492.4	-	445.6	449.3	459.3	460.5	-
Photofinishing laboratories .....	7384	85.6	85.6	82.0	84.2	-	-	-	-	-	-
Auto repair, services, and parking .....	75	933.8	928.3	915.7	914.8	-	772.0	766.9	752.8	752.0	-
Automotive rentals, without drivers .....	751	184.0	182.3	182.2	181.4	-	-	-	-	-	-
Automotive repair shops .....	753	537.0	533.5	526.7	525.7	-	440.4	437.1	428.8	427.1	-
Miscellaneous repair services .....	76	393.9	390.1	382.1	381.6	-	322.7	319.7	310.9	310.4	-
Electrical repair shops .....	762	119.1	119.0	124.2	124.2	-	-	-	-	-	-
Motion pictures .....	78	404.7	410.3	388.6	386.7	-	340.1	344.7	319.5	317.2	-
Motion picture production and services .....	781	154.8	161.5	149.5	149.6	-	126.6	132.4	118.6	118.8	-
Motion picture theaters .....	783	106.1	105.4	106.3	102.8	-	-	-	-	-	-
Amusement and recreation services .....	79	1,029.9	1,002.2	1,184.5	1,072.2	-	896.4	871.2	1,036.6	933.9	-
Misc. amusement and recreation services .....	799	669.2	634.2	784.2	680.6	-	583.3	550.1	689.0	592.5	-
Physical fitness facilities .....	7991	125.7	124.5	127.2	122.6	-	113.1	111.6	112.5	108.5	-
Membership sports and recreation clubs .....	7997	255.9	243.7	295.9	261.8	-	225.2	213.3	260.0	228.7	-
Health services .....	80	7,957.8	7,990.7	8,320.5	8,358.4	8,394.2	7,075.1	7,105.1	7,397.4	7,427.8	-
Offices and clinics of medical doctors .....	801	1,376.8	1,381.7	1,447.3	1,453.2	-	1,135.8	1,140.5	1,189.8	1,194.2	-
Offices and clinics of dentists .....	802	513.8	516.2	533.0	534.8	-	450.2	452.9	468.5	468.7	-
Offices and clinics of other health practitioners .....	804	283.6	285.0	303.1	304.8	-	235.6	236.3	250.3	250.7	-
Nursing and personal care facilities .....	805	1,441.0	1,449.9	1,529.4	1,537.9	-	1,301.6	1,310.0	1,380.8	1,388.1	-
Skilled nursing care facilities .....	8051	989.0	993.9	1,046.5	1,052.0	-	-	-	-	-	-
Intermediate care facilities .....	8052	206.8	208.4	220.9	221.9	-	185.4	187.2	198.8	199.6	-
Nursing and personal care, nec .....	8059	245.2	247.6	262.0	264.0	-	-	-	-	-	-
Hospitals .....	806	3,580.1	3,590.1	3,676.7	3,689.7	-	3,279.5	3,288.5	3,374.7	3,387.0	-
General medical and surgical hospitals .....	8062	3,296.5	3,304.7	3,383.3	3,394.9	-	-	-	-	-	-
Psychiatric hospitals .....	8063	104.0	104.8	101.3	101.5	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric .....	8069	179.6	180.6	192.1	193.3	-	-	-	-	-	-
Medical and dental laboratories .....	807	174.8	176.1	188.2	189.6	-	-	-	-	-	-
Home health care services .....	808	306.0	304.5	340.0	341.6	-	283.6	281.7	314.9	316.2	-
Legal services .....	81	920.4	924.0	919.5	924.2	-	756.9	759.7	749.1	751.8	-
Educational services .....	82	1,764.2	1,786.2	1,636.9	1,786.6	-	-	-	-	-	-
Elementary and secondary schools .....	821	467.1	470.5	467.7	481.1	-	-	-	-	-	-
Colleges and universities .....	822	1,086.1	1,104.8	970.6	1,101.2	-	-	-	-	-	-
Vocational schools .....	824	90.5	90.8	83.0	83.9	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-2. Employees on nonfarm payrolls by detailed industry—Continued**

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Services—Continued</b>											
Social services .....	83	1,852.7	1,869.5	1,961.1	1,995.9	-	-	-	-	-	-
Individual and family services .....	832	468.7	470.7	491.1	496.7	-	-	-	-	-	-
Job training and related services .....	833	240.9	241.6	238.6	240.2	-	-	-	-	-	-
Child day care services .....	835	486.0	490.0	517.0	536.6	-	428.8	432.5	456.4	475.0	-
Residential care .....	836	483.5	489.9	529.8	533.3	-	-	-	-	-	-
Museums and botanical and zoological gardens .....	84	68.3	65.4	68.3	68.0	-	-	-	-	-	-
Membership organizations .....	86	1,935.0	1,933.3	1,931.8	1,932.8	-	-	-	-	-	-
Business associations .....	861	105.8	105.2	102.1	102.0	-	-	-	-	-	-
Labor organizations .....	863	141.4	136.7	137.9	136.6	-	-	-	-	-	-
Civic and social associations .....	864	414.1	416.2	413.2	418.2	-	-	-	-	-	-
Engineering and management services .....	87	2,497.9	2,496.1	2,447.6	2,452.8	-	1,895.9	1,897.3	1,860.1	1,864.9	-
Engineering and architectural services .....	871	791.4	787.6	760.5	754.7	-	649.0	645.8	625.7	620.6	-
Engineering services .....	8711	612.6	611.9	593.5	588.9	-	506.5	505.9	493.8	489.5	-
Architectural services .....	8712	127.6	126.0	119.2	118.8	-	100.8	99.4	92.8	92.6	-
Accounting, auditing, and bookkeeping .....	872	527.8	527.0	507.8	511.0	-	390.0	391.1	370.7	373.1	-
Research and testing services .....	873	553.0	555.9	551.5	552.6	-	400.8	404.9	403.3	405.5	-
Commercial physical research .....	8731	234.3	233.6	233.8	232.8	-	-	-	-	-	-
Noncommercial research organizations .....	8733	145.3	145.9	147.1	148.1	-	-	-	-	-	-
Management and public relations .....	874	625.7	625.6	627.8	634.5	-	456.1	455.5	460.4	465.7	-
Services, nec .....	89	37.8	38.0	37.1	36.7	-	29.9	30.0	29.1	28.8	-
<b>Government</b> .....		18,593	18,754	18,164	18,705	18,851	-	-	-	-	-
Federal Government <sup>4</sup> .....		2,965	2,949	2,973	2,971	2,973	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,904.7	2,888.4	2,909.5	-	-	-	-	-	-	-
Department of Defense .....		930.5	926.7	920.6	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		812.7	811.5	800.8	-	-	-	-	-	-	-
Other executive agencies .....		1,161.5	1,150.2	1,188.1	-	-	-	-	-	-	-
Legislative .....		37.2	37.3	38.5	-	-	-	-	-	-	-
Judicial .....		23.4	23.5	25.3	-	-	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities .....		112.8	111.9	108.8	108.3	-	-	-	-	-	-
Ship building and repairing .....	3731	66.1	65.7	62.4	61.8	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		37.1	36.6	35.4	34.9	-	-	-	-	-	-
Services .....		400.8	399.1	410.7	408.5	-	-	-	-	-	-
Hospitals .....	806	233.7	233.8	241.8	241.6	-	-	-	-	-	-
State government .....		4,444	4,471	4,263	4,426	4,450	-	-	-	-	-
Hospitals .....	806	430.4	431.7	423.8	424.3	-	-	-	-	-	-
Education .....	82	1,857.8	1,888.9	1,673.0	1,852.2	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,657.2	1,652.5	1,670.5	1,657.8	-	-	-	-	-	-
Local government .....		11,184	11,334	10,928	11,308	11,428	-	-	-	-	-
Transportation and public utilities .....		461.0	458.1	457.6	456.7	-	-	-	-	-	-
Hospitals .....	806	661.5	664.8	686.4	689.5	-	-	-	-	-	-
Education .....	82	6,362.0	6,477.3	5,990.1	6,425.6	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		3,382.4	3,420.2	3,473.0	3,422.5	-	-	-	-	-	-

<sup>1</sup> 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.

<sup>2</sup> Data relate to line-haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Excludes nonoffice commissioned real estate sales agents.

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude the Central Intelligence Agency and

the National Security Agency.

<sup>5</sup> Includes rural mail carriers.

- Data not available.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

**B-3. Women employees on nonfarm payrolls by major industry and manufacturing group**

(In thousands)

Industry	Aug. 1990	Sept. 1990	July 1991	Aug. 1991	Sept. 1991
<b>Total</b> .....	51,536	52,314	51,494	51,558	52,337
<b>Total private</b> .....	42,658	42,695	42,395	42,568	42,644
<b>Goods-producing</b> .....	7,008	7,002	6,676	6,778	6,775
<b>Mining</b> .....	97	97	100	100	98
<b>Construction</b> .....	567	563	550	550	545
<b>Manufacturing</b> .....	6,344	6,342	6,026	6,128	6,132
<b>Durable goods</b> .....	2,967	2,962	2,790	2,809	2,812
Lumber and wood products .....	121	120	113	114	114
Furniture and fixtures .....	159	159	143	147	147
Stone, clay, and glass products .....	110	110	104	106	106
Primary metal industries .....	103	103	98	99	98
Fabricated metal products .....	318	318	296	299	302
Industrial machinery and equipment .....	451	447	431	430	430
Electronic and other electrical equipment .....	710	708	668	671	668
Transportation equipment .....	404	406	374	374	376
Instruments and related products .....	414	413	398	398	397
Miscellaneous manufacturing .....	177	179	166	171	173
<b>Nondurable goods</b> .....	3,377	3,380	3,236	3,319	3,320
Food and kindred products .....	581	586	550	589	587
Tobacco products .....	17	18	15	17	18
Textile mill products .....	339	337	323	328	329
Apparel and other textile products .....	821	826	785	810	817
Paper and allied products .....	176	174	172	173	171
Printing and publishing .....	691	689	674	672	671
Chemicals and allied products .....	334	333	331	335	333
Petroleum and coal products .....	27	26	27	27	26
Rubber and misc. plastics products .....	314	314	292	298	299
Leather and leather products .....	78	78	68	71	70
<b>Service-producing</b> .....	44,528	45,312	44,818	44,780	45,562
<b>Transportation and public utilities</b> .....	1,700	1,736	1,694	1,695	1,736
<b>Wholesale trade</b> .....	1,907	1,910	1,863	1,861	1,864
<b>Retail trade</b> .....	10,513	10,487	10,294	10,321	10,283
<b>Finance, insurance, and real estate</b> .....	4,310	4,272	4,289	4,283	4,250
<b>Services</b> .....	17,220	17,288	17,579	17,630	17,736
<b>Government</b> .....	8,878	9,619	9,099	8,990	9,693
Federal .....	1,275	1,240	1,240	1,235	1,227
State .....	2,015	2,120	2,041	2,037	2,118
Local .....	5,588	6,259	5,818	5,718	6,348

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1990 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>P</sup>	Nov. <sup>P</sup>
<b>Total</b> .....	109,761	109,621	109,418	109,160	108,902	108,736	108,887	108,885	108,859	108,971	109,066	109,070	108,829
<b>Total private</b> .....	91,406	91,268	91,053	90,771	90,495	90,312	90,447	90,429	90,439	90,557	90,642	90,610	90,378
<b>Goods-producing</b> .....	24,481	24,375	24,181	24,039	23,877	23,794	23,847	23,792	23,798	23,826	23,797	23,723	23,593
<b>Mining</b> .....	712	715	713	715	714	710	706	704	701	693	684	678	676
Oil and gas extraction .....	398	399	399	401	402	400	399	398	394	390	385	382	380
<b>Construction</b> .....	4,962	4,911	4,797	4,792	4,720	4,688	4,715	4,710	4,695	4,691	4,699	4,671	4,576
General building contractors .....	1,251	1,237	1,221	1,210	1,196	1,184	1,177	1,172	1,170	1,165	1,161	1,152	1,136
<b>Manufacturing</b> .....	18,807	18,749	18,671	18,532	18,443	18,396	18,426	18,378	18,402	18,442	18,414	18,374	18,341
<b>Durable goods</b> .....	10,867	10,828	10,770	10,652	10,584	10,560	10,575	10,534	10,546	10,553	10,531	10,494	10,462
Lumber and wood products .....	719	714	706	696	692	692	697	696	699	700	696	698	699
Furniture and fixtures .....	496	493	490	482	479	481	483	483	478	483	482	481	479
Stone, clay, and glass products .....	543	539	532	527	520	521	519	518	520	523	522	522	518
Primary metal industries .....	747	742	740	726	724	723	721	718	721	722	719	714	709
Blast furnaces and basic steel products .....	274	273	271	264	262	263	261	260	260	260	260	258	257
Fabricated metal products .....	1,402	1,395	1,389	1,365	1,356	1,353	1,354	1,358	1,359	1,361	1,358	1,355	1,350
Industrial machinery and equipment .....	2,063	2,054	2,048	2,036	2,024	2,007	2,003	1,990	1,984	1,980	1,980	1,969	1,958
Electronic and other electrical equipment .....	1,636	1,628	1,621	1,611	1,599	1,597	1,599	1,594	1,589	1,585	1,581	1,576	1,572
Transportation equipment .....	1,897	1,902	1,888	1,859	1,846	1,846	1,863	1,845	1,861	1,868	1,861	1,848	1,850
Motor vehicles and equipment .....	758	770	763	746	738	754	780	770	791	797	795	788	798
Instruments and related products .....	991	989	985	982	978	976	973	969	968	966	967	964	961
Miscellaneous manufacturing .....	373	372	371	368	366	364	363	363	367	365	365	367	366
<b>Nondurable goods</b> .....	7,940	7,921	7,901	7,880	7,859	7,836	7,851	7,844	7,856	7,889	7,883	7,880	7,879
Food and kindred products .....	1,669	1,672	1,673	1,679	1,679	1,673	1,677	1,677	1,660	1,685	1,676	1,671	1,673
Tobacco products .....	49	49	49	49	48	48	48	48	49	50	49	48	47
Textile mill products .....	677	671	667	661	660	660	665	665	671	670	670	672	672
Apparel and other textile products .....	1,023	1,017	1,012	1,010	1,009	1,005	1,013	1,017	1,032	1,031	1,034	1,039	1,039
Paper and allied products .....	697	695	696	694	693	691	690	687	689	692	692	691	691
Printing and publishing .....	1,568	1,565	1,560	1,553	1,548	1,542	1,540	1,531	1,532	1,531	1,530	1,526	1,523
Chemicals and allied products .....	1,095	1,095	1,094	1,093	1,091	1,089	1,086	1,086	1,084	1,088	1,090	1,091	1,092
Petroleum and coal products .....	159	159	158	158	158	159	159	159	159	160	159	159	158
Rubber and misc. plastics products .....	877	873	868	861	852	849	854	854	857	861	862	864	863
Leather and leather products .....	126	125	124	122	121	120	119	120	123	121	121	119	121
<b>Service-producing</b> .....	85,280	85,246	85,237	85,121	85,025	84,942	85,040	85,093	85,061	85,145	85,269	85,347	85,236
<b>Transportation and public utilities</b> .....	5,852	5,867	5,866	5,834	5,824	5,814	5,819	5,809	5,809	5,820	5,829	5,829	5,826
Transportation .....	3,582	3,595	3,591	3,562	3,549	3,544	3,556	3,546	3,550	3,564	3,569	3,575	3,580
Communications and public utilities .....	2,270	2,272	2,275	2,272	2,275	2,270	2,263	2,263	2,259	2,256	2,260	2,254	2,246
<b>Wholesale trade</b> .....	6,180	6,166	6,138	6,119	6,105	6,086	6,085	6,068	6,064	6,050	6,049	6,043	6,032
Durable goods .....	3,604	3,596	3,576	3,562	3,550	3,535	3,528	3,517	3,509	3,500	3,495	3,489	3,481
Nondurable goods .....	2,576	2,570	2,562	2,557	2,555	2,551	2,557	2,551	2,559	2,550	2,554	2,549	2,551
<b>Retail trade</b> .....	19,628	19,579	19,542	19,464	19,378	19,324	19,339	19,345	19,347	19,343	19,338	19,294	19,183
General merchandise stores .....	2,470	2,444	2,431	2,415	2,396	2,372	2,356	2,358	2,347	2,349	2,342	2,323	2,292
Food stores .....	3,243	3,242	3,243	3,237	3,245	3,226	3,225	3,229	3,232	3,227	3,226	3,219	3,214
Automotive dealers and service stations .....	2,070	2,067	2,053	2,042	2,036	2,031	2,031	2,034	2,038	2,038	2,035	2,038	2,037
Eating and drinking places .....	6,596	6,601	6,608	6,582	6,561	6,560	6,571	6,571	6,578	6,563	6,569	6,558	6,544
<b>Finance, insurance, and real estate</b> .....	6,740	6,733	6,736	6,732	6,735	6,718	6,712	6,703	6,688	6,687	6,692	6,698	6,702
Finance .....	3,301	3,296	3,296	3,295	3,297	3,292	3,287	3,281	3,275	3,276	3,283	3,282	3,280
Insurance .....	2,128	2,128	2,136	2,137	2,140	2,134	2,132	2,130	2,122	2,123	2,122	2,123	2,124
Real estate .....	1,311	1,309	1,304	1,300	1,298	1,292	1,293	1,292	1,291	1,288	1,287	1,293	1,298
<b>Services</b> .....	28,525	28,548	28,590	28,583	28,576	28,576	28,645	28,712	28,733	28,831	28,937	29,023	29,042
Business services .....	5,287	5,275	5,271	5,256	5,254	5,257	5,278	5,280	5,320	5,321	5,336	5,379	5,360
Health services .....	7,997	8,032	8,061	8,069	8,114	8,147	8,165	8,206	8,249	8,289	8,321	8,367	8,403
<b>Government</b> .....	18,355	18,353	18,365	18,389	18,407	18,424	18,440	18,456	18,420	18,414	18,424	18,460	18,451
Federal .....	2,964	2,948	2,952	2,951	2,951	2,953	2,952	2,971	2,963	2,967	2,979	2,986	2,988
State .....	4,345	4,347	4,352	4,354	4,359	4,352	4,348	4,359	4,338	4,337	4,328	4,322	4,325
Local .....	11,046	11,058	11,061	11,084	11,097	11,119	11,140	11,126	11,119	11,110	11,117	11,152	11,138

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

**B-5. Women employees on nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

Industry	1990				1991								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
<b>Total</b> .....	52,380	52,372	52,349	52,319	52,355	52,264	52,207	52,149	52,227	52,261	52,329	52,405	52,402
<b>Total private</b> .....	42,594	42,579	42,540	42,500	42,527	42,415	42,344	42,275	42,344	42,355	42,385	42,483	42,540
<b>Goods-producing</b> .....	6,930	6,894	6,844	6,826	6,802	6,762	6,723	6,701	6,703	6,694	6,699	6,714	6,704
<b>Mining</b> .....	97	95	96	97	97	98	98	98	98	98	98	99	98
<b>Construction</b> .....	555	553	551	550	548	544	542	540	541	541	539	538	537
<b>Manufacturing</b> .....	6,278	6,246	6,197	6,179	6,157	6,120	6,083	6,063	6,064	6,055	6,062	6,077	6,069
<b>Durable goods</b> .....	2,950	2,936	2,904	2,892	2,879	2,853	2,828	2,819	2,817	2,806	2,807	2,806	2,802
Lumber and wood products .....	118	117	116	115	114	111	109	110	110	111	111	112	112
Furniture and fixtures .....	159	157	154	153	152	149	148	148	148	149	146	148	147
Stone, clay, and glass products .....	109	109	108	107	106	106	104	104	104	103	103	105	105
Primary metal industries .....	102	102	102	101	101	99	99	98	98	97	99	98	98
Fabricated metal products .....	316	315	311	310	308	303	300	300	299	300	299	299	300
Industrial machinery and equipment .....	450	449	446	444	444	441	439	436	435	432	432	432	433
Electronic and other electrical equipment .....	705	701	696	692	688	686	678	676	676	673	673	670	666
Transportation equipment .....	404	401	389	389	386	379	375	374	377	374	375	376	375
Instruments and related products .....	412	411	409	408	407	407	405	404	402	399	399	397	397
Miscellaneous manufacturing .....	175	174	173	173	173	172	171	169	168	168	170	169	169
<b>Nondurable goods</b> .....	3,328	3,310	3,293	3,287	3,278	3,267	3,255	3,244	3,247	3,249	3,255	3,271	3,267
Food and kindred products .....	543	543	540	542	542	544	543	543	541	542	533	549	544
Tobacco products .....	17	16	16	17	16	16	16	16	16	16	16	17	16
Textile mill products .....	334	330	330	328	327	324	322	323	326	325	326	326	326
Apparel and other textile products .....	822	814	807	803	800	798	796	791	797	801	813	810	812
Paper and allied products .....	173	172	172	171	172	171	171	170	169	169	170	170	170
Printing and publishing .....	693	693	692	692	690	686	684	681	679	675	676	674	675
Chemicals and allied products .....	331	331	330	331	330	331	330	329	329	329	328	331	331
Petroleum and coal products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rubber and misc. plastics products .....	313	310	306	304	302	299	295	295	294	297	296	298	298
Leather and leather products .....	76	75	74	73	73	71	71	70	70	69	71	70	69
<b>Service-producing</b> .....	45,450	45,478	45,505	45,493	45,553	45,502	45,484	45,448	45,524	45,567	45,630	45,691	45,698
<b>Transportation and public utilities</b> .....	1,727	1,731	1,736	1,739	1,745	1,731	1,732	1,726	1,727	1,718	1,711	1,716	1,726
<b>Wholesale trade</b> .....	1,905	1,903	1,898	1,892	1,883	1,878	1,870	1,865	1,866	1,859	1,861	1,859	1,858
<b>Retail trade</b> .....	10,464	10,446	10,432	10,388	10,411	10,348	10,308	10,265	10,285	10,281	10,284	10,280	10,262
<b>Finance, insurance, and real estate</b> .....	4,276	4,273	4,270	4,262	4,271	4,271	4,272	4,268	4,261	4,255	4,251	4,249	4,254
<b>Services</b> .....	17,292	17,332	17,360	17,393	17,415	17,425	17,439	17,450	17,502	17,548	17,579	17,665	17,736
<b>Government</b> .....	9,786	9,793	9,809	9,819	9,828	9,849	9,863	9,874	9,883	9,906	9,944	9,922	9,862
Federal .....	1,237	1,231	1,225	1,220	1,222	1,226	1,227	1,230	1,228	1,230	1,218	1,223	1,223
State .....	2,156	2,161	2,167	2,169	2,173	2,174	2,176	2,175	2,173	2,184	2,174	2,172	2,155
Local .....	6,393	6,401	6,417	6,430	6,433	6,449	6,460	6,469	6,482	6,492	6,552	6,527	6,484

<sup>1</sup> This series is not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-6. Production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

Industry	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>p</sup>	Nov. <sup>p</sup>
<b>Total private</b> .....	73,984	73,841	73,666	73,378	73,172	72,983	73,121	73,147	73,196	73,265	73,338	73,321	73,106
<b>Goods-producing</b> .....	17,048	16,958	16,787	16,658	16,534	16,477	16,530	16,507	16,535	16,563	16,531	16,495	16,364
<b>Mining</b> .....	512	513	511	512	511	509	503	500	499	490	484	481	478
<b>Construction</b> .....	3,821	3,773	3,672	3,658	3,599	3,565	3,598	3,597	3,588	3,585	3,591	3,577	3,474
<b>Manufacturing</b> .....	12,715	12,672	12,604	12,488	12,424	12,403	12,429	12,410	12,448	12,488	12,456	12,437	12,412
<b>Durable goods</b> .....	7,172	7,148	7,098	7,000	6,956	6,948	6,964	6,943	6,971	6,983	6,954	6,936	6,914
Lumber and wood products .....	590	585	578	569	564	566	570	570	573	574	571	574	574
Furniture and fixtures .....	389	386	384	377	375	377	378	379	375	379	379	378	377
Stone, clay, and glass products .....	421	419	411	406	400	401	400	400	401	404	404	404	399
Primary metal industries .....	566	562	559	548	546	544	544	541	544	545	542	538	534
Blast furnaces and basic steel products .....	210	209	207	201	199	200	199	198	197	198	198	196	194
Fabricated metal products .....	1,030	1,024	1,018	994	990	989	990	992	995	995	995	992	989
Industrial machinery and equipment .....	1,235	1,228	1,223	1,215	1,209	1,198	1,191	1,183	1,177	1,179	1,176	1,170	1,158
Electronic and other electrical equipment .....	1,028	1,022	1,014	1,007	1,000	1,001	1,005	1,004	1,005	1,004	997	996	993
Transportation equipment .....	1,158	1,168	1,158	1,135	1,125	1,130	1,148	1,139	1,163	1,169	1,159	1,152	1,155
Motor vehicles and equipment .....	570	582	577	561	553	567	592	588	611	615	610	604	614
Instruments and related products .....	486	486	486	484	485	481	478	475	474	471	468	466	469
Miscellaneous manufacturing .....	269	268	267	265	262	261	260	260	264	263	263	266	266
<b>Nondurable goods</b> .....	5,543	5,524	5,506	5,488	5,468	5,455	5,465	5,467	5,477	5,505	5,502	5,501	5,498
Food and kindred products .....	1,202	1,206	1,208	1,213	1,213	1,207	1,211	1,213	1,197	1,220	1,216	1,211	1,211
Tobacco products .....	36	36	36	36	35	35	36	36	36	38	37	36	35
Textile mill products .....	580	574	571	565	564	565	570	571	575	574	574	577	576
Apparel and other textile products .....	854	850	844	843	842	840	847	850	867	863	865	870	871
Paper and allied products .....	522	521	522	522	521	519	519	517	517	521	521	520	521
Printing and publishing .....	867	864	860	855	851	849	844	841	845	843	845	842	840
Chemicals and allied products .....	598	596	594	592	591	591	585	583	580	583	580	581	581
Petroleum and coal products .....	104	103	102	102	102	103	102	103	103	103	103	102	101
Rubber and misc. plastics products .....	677	672	668	660	651	649	654	656	658	662	663	665	665
Leather and leather products .....	103	102	101	100	98	97	97	97	99	98	98	97	97
<b>Service-producing</b> .....	56,936	56,883	56,879	56,720	56,638	56,506	56,591	56,640	56,661	56,702	56,807	56,826	56,742
<b>Transportation and public utilities</b> .....	4,854	4,868	4,869	4,840	4,834	4,825	4,834	4,825	4,834	4,836	4,847	4,849	4,856
<b>Wholesale trade</b> .....	4,959	4,946	4,924	4,904	4,894	4,879	4,878	4,864	4,861	4,843	4,850	4,842	4,833
<b>Retail trade</b> .....	17,370	17,321	17,277	17,202	17,132	17,072	17,083	17,081	17,078	17,067	17,061	16,994	16,896
<b>Finance, insurance, and real estate</b> .....	4,876	4,863	4,869	4,863	4,862	4,851	4,854	4,851	4,837	4,826	4,829	4,829	4,841
<b>Services</b> .....	24,877	24,885	24,940	24,911	24,916	24,879	24,942	25,019	25,051	25,130	25,220	25,312	25,316

<sup>1</sup> 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.

<sup>p</sup> = preliminary.  
NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA  
DIFFUSION INDEXES  
SEASONALLY ADJUSTED**

**B-7. Diffusion indexes of employment change, seasonally adjusted**

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Private nonfarm payrolls, 356 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1989 .....	64.5	59.0	58.7	53.9	52.7	53.8	52.9	54.6	49.2	56.6	59.6	52.1
1990 .....	58.1	58.1	52.2	48.7	52.8	48.3	46.6	47.8	45.1	41.4	40.3	42.0
1991 .....	38.5	36.9	38.6	38.5	51.1	45.8	51.3	54.8	50.0	<sup>P</sup> 48.2	<sup>P</sup> 44.0	
<b>Over 3-month span:</b>												
1989 .....	67.6	65.2	61.1	56.2	54.5	53.9	54.9	52.5	55.9	56.0	55.8	59.1
1990 .....	58.8	59.0	54.4	50.7	48.7	49.4	45.6	43.7	40.0	37.4	35.8	35.1
1991 .....	31.6	30.8	30.3	38.3	39.5	48.9	51.7	52.9	<sup>P</sup> 49.2	<sup>P</sup> 44.1		
<b>Over 6-month span:</b>												
1989 .....	67.7	65.0	63.3	59.0	56.5	53.4	54.5	55.9	53.8	58.1	57.9	59.1
1990 .....	56.6	55.2	55.2	51.8	47.6	44.9	42.7	38.6	37.2	34.8	30.9	28.8
1991 .....	26.7	31.2	29.5	34.3	41.2	45.8	<sup>P</sup> 49.4	<sup>P</sup> 46.3				
<b>Over 12-month span:</b>												
1989 .....	65.3	65.2	62.2	61.5	61.5	59.6	57.6	56.7	55.8	56.0	55.5	55.6
1990 .....	54.6	54.5	51.4	48.3	46.6	43.5	40.3	35.8	34.1	30.6	32.0	30.2
1991 .....	30.2	30.6	30.3	<sup>P</sup> 32.9	<sup>P</sup> 32.9							
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1989 .....	58.6	50.7	48.9	47.5	47.1	44.2	44.2	45.7	38.8	48.2	48.6	45.3
1990 .....	46.0	51.1	41.4	47.8	41.7	39.6	43.2	40.3	38.8	34.5	27.3	33.8
1991 .....	31.7	28.4	29.9	38.5	46.8	46.0	53.2	53.2	43.5	<sup>P</sup> 46.4	<sup>P</sup> 42.1	
<b>Over 3-month span:</b>												
1989 .....	56.5	54.3	49.3	43.5	42.8	42.1	40.3	36.3	39.9	41.0	41.0	41.7
1990 .....	45.0	43.2	45.0	38.1	36.1	37.4	35.6	31.3	27.0	23.0	21.6	18.3
1991 .....	19.4	16.5	18.0	30.2	36.3	48.9	57.2	55.0	<sup>P</sup> 46.0	<sup>P</sup> 38.8		
<b>Over 6-month span:</b>												
1989 .....	57.9	51.8	48.6	45.0	41.7	38.1	38.1	38.1	35.6	38.6	39.6	39.6
1990 .....	39.9	36.7	37.1	40.3	32.4	30.6	24.1	20.5	21.2	17.3	16.2	11.9
1991 .....	10.4	17.3	19.4	23.4	38.5	43.5	<sup>P</sup> 50.0	<sup>P</sup> 47.5				
<b>Over 12-month span:</b>												
1989 .....	53.6	56.1	51.8	46.4	44.6	41.7	38.1	35.3	34.9	36.3	32.4	32.7
1990 .....	35.3	33.5	31.3	29.5	25.2	20.9	19.8	14.0	12.9	10.1	11.2	10.4
1991 .....	13.3	14.7	14.7	<sup>P</sup> 18.3	<sup>P</sup> 21.6							

<sup>1</sup> 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.

<sup>P</sup> = preliminary.

NOTE: Figures are the percent of industries with employment increasing plus one half of the industries with unchanged employment, where 50 percent

indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1990) and all seasonally adjusted data (beginning January 1987) are subject to revision.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry**

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P
<b>Alabama</b> .....	1,650.2	1,638.1	1,644.5	13.2	12.8	12.6	81.3	80.0	79.5
Birmingham .....	425.4	420.9	421.4	5.9	5.6	5.5	23.6	22.2	22.0
Huntsville .....	136.5	135.4	134.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.1	5.0
Mobile .....	179.5	179.1	181.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.1	11.3	11.3
Montgomery .....	137.1	133.3	134.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.5	7.4	7.3
Tuscaloosa .....	67.3	66.9	67.2	3.5	3.4	3.4	4.4	3.9	3.9
<b>Alaska</b> .....	238.3	250.5	241.9	11.9	12.2	11.3	12.1	12.9	12.0
<b>Arizona</b> .....	1,516.1	1,520.6	1,536.3	12.6	13.3	13.2	84.9	81.2	80.3
Phoenix .....	1,001.5	997.2	1,008.7	.8	.7	.7	57.1	52.9	52.2
Tucson .....	257.8	263.5	265.5	2.2	2.4	2.4	15.2	15.6	15.4
<b>Arkansas</b> .....	941.3	970.4	971.5	4.1	3.9	3.9	38.8	41.0	40.8
Fayetteville-Springdale .....	57.3	57.1	57.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.8	1.9
Fort Smith .....	80.4	80.8	80.6	.9	.8	.9	2.8	3.0	3.0
Little Rock-North Little Rock .....	256.4	260.0	260.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.2	12.3	12.2
Pine Bluff .....	34.4	34.5	34.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.1
<b>California</b> .....	12,953.2	12,828.7	12,844.5	38.9	37.5	37.0	670.3	638.4	629.6
Anaheim-Santa Ana .....	1,221.9	1,206.7	1,211.7	1.3	1.1	1.1	67.0	63.6	62.2
Bakersfield .....	173.3	174.5	175.3	14.5	13.9	13.8	11.4	11.6	11.5
Fresno .....	238.7	245.6	243.3	.6	.6	.6	15.2	14.8	14.2
Los Angeles-Long Beach .....	4,311.3	4,239.9	4,259.9	8.3	8.2	8.1	160.1	150.9	149.9
Modesto .....	124.4	126.3	122.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8.3	6.5	8.2
Oakland .....	910.9	906.1	907.9	3.1	2.9	3.0	53.3	50.9	50.6
Oxnard-Ventura .....	236.1	233.1	232.5	2.1	1.9	1.9	17.9	17.4	16.9
Riverside-San Bernardino .....	753.6	754.9	758.9	1.4	1.4	1.3	68.2	83.8	62.8
Sacramento .....	636.3	637.2	632.2	.6	.5	.5	42.2	39.4	39.3
Salinas-Seaside-Monterey .....	113.7	113.8	113.5	.3	.3	.3	4.6	4.4	4.3
San Diego .....	1,000.6	988.5	984.8	.7	.7	.7	61.9	58.7	57.7
San Francisco .....	981.5	976.9	980.8	.6	.6	.6	38.5	37.7	38.0
San Jose .....	834.9	820.3	820.1	.2	.3	.3	34.6	33.5	33.0
Santa Barbara-Santa Maria-Lompoc .....	152.5	149.3	152.1	1.2	1.2	1.2	7.4	7.4	7.4
Santa Rosa-Petaluma .....	149.8	152.0	152.0	.5	.5	.5	11.3	10.9	10.7
Stockton .....	157.7	164.9	180.6	.1	.1	.1	9.9	9.5	9.3
Vallejo-Fairfield-Napa .....	142.9	144.2	143.9	.6	.6	.6	12.1	12.1	12.2
<b>Colorado</b> .....	1,534.4	1,558.3	1,563.7	20.0	19.3	19.0	66.6	71.7	71.7
Boulder-Longmont .....	119.2	119.3	121.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.1	4.1
Denver .....	847.9	863.1	866.5	10.9	11.2	11.0	35.7	37.1	37.4
<b>Connecticut</b> .....	1,645.8	1,588.2	1,589.0	1.1	.8	.8	64.6	54.7	53.4
Bridgeport-Milford .....	192.6	184.5	185.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.2	6.1	6.1
Hartford .....	480.8	454.5	455.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.4	14.1	13.9
New Britain .....	65.0	61.6	61.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.7	4.2	4.2
New Haven-Meriden .....	261.2	247.5	250.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.0	8.7	8.2
Stamford .....	120.3	118.1	117.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.0	3.8
Waterbury .....	85.2	79.9	79.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.8	3.3	3.1
<b>Delaware</b> .....	347.5	343.4	342.4	.1	.1	.1	20.2	19.5	18.9
Wilmington .....	301.0	294.2	295.8	.2	.2	.2	18.1	16.5	16.0
<b>District of Columbia</b> .....	687.0	679.9	677.3	.1	.1	.1	14.7	12.5	12.4
Washington MSA .....	2,243.2	2,208.3	2,205.9	1.2	1.1	1.1	133.5	119.0	116.8
<b>Florida</b> .....	5,407.9	5,322.6	5,331.9	8.4	7.7	7.7	318.9	264.0	259.4
Daytona Beach .....	124.8	125.3	124.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.9	7.4	7.4
Fort Lauderdale-Hollywood-Pompano Beach .....	517.8	506.7	508.7	.2	.2	.2	34.2	28.0	27.8
Fort Myers-Cape Coral .....	129.8	132.6	133.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	12.9	12.3	12.0
Gainesville .....	103.3	102.0	103.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.1	3.9	3.8
Jacksonville .....	430.5	427.0	428.0	.7	.6	.6	24.9	22.3	22.5
Lakeland-Winter Haven .....	156.6	155.7	156.9	3.8	3.5	3.5	8.9	7.8	7.6
Melbourne-Titusville-Palm Bay .....	165.4	160.5	159.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8.9	7.9	7.9
Miami-Hialeah .....	892.4	860.3	858.6	.8	.8	.8	38.6	34.1	33.7
Orlando .....	569.5	564.7	561.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	36.9	32.6	32.5
Pensacola .....	130.8	132.0	132.0	.4	.4	.4	7.6	7.8	7.9
Sarasota .....	118.9	118.4	119.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.5	8.1	8.0
Tallahassee .....	127.2	127.2	128.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.6	5.2	5.2
Tampa-St. Petersburg-Clearwater .....	887.5	884.5	887.7	.6	.5	.5	49.4	40.1	40.0
West Palm Beach-Boca Raton-Delray Beach .....	360.2	348.3	353.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	25.6	20.8	20.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P
<b>Alabama</b> .....	386.8	381.0	380.7	84.3	84.3	84.0	356.9	351.3	351.2
Birmingham .....	57.9	55.4	55.3	32.7	31.6	31.3	99.9	97.3	97.5
Huntsville .....	33.2	32.2	32.3	3.2	3.1	3.1	25.5	24.8	24.8
Mobile .....	28.0	27.9	28.4	10.1	11.0	10.8	47.3	46.4	46.5
Montgomery .....	18.3	17.5	17.4	5.8	5.6	5.6	31.1	29.5	29.6
Tuscaloosa .....	10.3	10.5	10.3	2.1	2.1	2.1	14.2	14.5	14.3
<b>Alaska</b> .....	14.5	17.1	13.6	20.7	22.9	21.7	46.6	47.9	47.5
<b>Arizona</b> .....	185.6	179.0	178.9	82.3	80.9	80.4	372.9	377.7	380.4
Phoenix .....	138.0	132.6	132.6	59.0	56.6	55.8	250.6	254.7	257.4
Tucson .....	26.4	25.3	25.3	9.6	10.5	10.7	60.6	61.5	61.6
<b>Arkansas</b> .....	234.2	238.6	238.6	57.6	58.6	59.1	208.3	215.5	214.1
Fayetteville-Springdale .....	14.0	14.2	14.1	5.0	4.6	4.6	12.5	12.5	12.5
Fort Smith .....	24.5	24.9	24.4	4.9	4.8	4.8	16.9	16.3	16.3
Little Rock-North Little Rock .....	33.8	33.1	33.1	16.6	16.2	16.2	61.5	62.2	62.0
Pine Bluff .....	6.3	6.7	6.7	2.7	2.8	2.8	7.4	7.5	7.4
<b>California</b> .....	2,117.6	2,053.5	2,030.8	633.6	630.1	630.2	3,037.2	2,994.1	2,991.6
Anaheim-Santa Ana .....	252.8	244.1	244.1	38.2	38.3	38.5	302.5	299.8	299.3
Bakersfield .....	11.0	10.9	11.0	8.4	8.3	8.3	40.2	40.8	40.9
Fresno .....	28.2	30.2	28.7	13.4	13.7	13.5	60.7	60.3	60.0
Los Angeles-Long Beach .....	850.7	804.0	803.3	223.0	220.5	220.8	972.3	957.0	957.0
Modesto .....	28.1	31.1	26.1	5.3	5.7	5.7	31.7	30.6	30.8
Oakland .....	114.0	112.2	111.2	62.4	62.7	62.7	221.3	220.4	220.6
Oxnard-Ventura .....	32.0	30.2	30.2	12.2	11.5	11.5	58.6	58.2	57.9
Riverside-San Bernardino .....	91.2	88.7	88.5	35.8	36.0	36.4	185.8	188.3	188.4
Sacramento .....	45.9	48.5	45.5	28.7	29.5	29.7	147.2	146.2	145.5
Salinas-Seaside-Monterey .....	10.6	10.6	10.3	4.7	4.8	4.8	30.4	30.5	30.3
San Diego .....	135.4	131.1	130.8	37.4	36.2	36.4	238.7	234.6	233.4
San Francisco .....	79.9	78.5	79.0	78.7	78.1	78.1	213.6	210.6	210.7
San Jose .....	263.6	256.7	253.7	23.1	23.3	23.5	169.9	166.9	167.2
Santa Barbara-Santa Maria-Lompoc .....	21.9	21.1	21.2	5.5	5.5	5.5	34.7	34.0	34.1
Santa Rosa-Petaluma .....	22.2	22.0	22.0	7.0	6.8	6.7	38.5	40.3	40.0
Stockton .....	24.5	30.2	25.7	9.2	9.4	9.2	36.6	37.0	36.9
Vallejo-Fairfield-Napa .....	12.9	13.6	12.7	5.2	5.2	5.1	36.2	36.4	36.5
<b>Colorado</b> .....	194.7	192.7	192.9	97.3	97.7	98.0	373.1	377.2	376.2
Boulder-Longmont .....	30.6	30.2	30.5	2.4	2.4	2.4	25.4	25.8	26.1
Denver .....	94.3	93.1	92.7	69.9	70.4	70.6	206.0	208.5	208.4
<b>Connecticut</b> .....	338.4	323.6	323.3	75.5	72.6	72.3	363.5	352.4	350.1
Bridgeport-Milford .....	49.2	45.9	45.9	8.6	8.2	8.3	43.3	42.5	42.4
Hartford .....	83.3	79.6	79.2	19.7	18.1	18.3	103.4	94.3	94.6
New Britain .....	18.4	17.2	17.1	3.4	3.4	3.4	13.7	13.0	12.9
New Haven-Meriden .....	43.5	41.4	41.4	17.6	16.7	16.5	55.4	53.0	53.0
Stamford .....	19.2	18.3	18.4	6.3	6.4	6.2	27.5	27.3	27.4
Waterbury .....	19.7	17.4	17.4	3.4	3.4	3.5	17.9	16.8	16.9
<b>Delaware</b> .....	72.6	71.9	71.7	15.4	15.4	15.3	75.7	75.4	74.3
Wilmington .....	62.3	61.8	61.8	16.7	17.2	17.1	61.7	60.1	60.4
<b>District of Columbia</b> .....	15.6	15.2	15.1	23.9	23.6	23.4	62.2	59.5	58.7
Washington MSA .....	86.9	83.3	83.3	108.6	106.2	105.8	433.5	426.2	425.1
<b>Florida</b> .....	515.9	496.7	497.2	276.9	266.6	267.6	1,442.9	1,409.5	1,410.2
Daytona Beach .....	12.1	12.1	12.0	4.2	4.4	4.4	36.2	35.7	35.4
Fort Lauderdale-Hollywood-Pompano Beach .....	43.7	41.8	41.7	23.1	22.7	22.6	151.2	148.0	148.5
Fort Myers-Cape Coral .....	6.0	6.0	6.0	5.5	5.8	5.8	38.8	40.6	41.1
Gainesville .....	5.6	5.8	5.7	2.0	2.0	2.0	22.1	22.1	22.0
Jacksonville .....	36.2	35.5	35.7	29.7	28.7	28.8	116.1	117.4	117.7
Lakeland-Winter Haven .....	22.2	20.9	21.3	7.6	7.3	7.3	43.4	43.9	44.1
Melbourne-Titusville-Palm Bay .....	30.7	28.9	28.7	4.5	4.6	4.5	38.3	36.8	36.6
Miami-Hialeah .....	88.4	86.5	86.6	72.8	64.4	63.8	240.3	228.8	229.1
Orlando .....	53.3	51.2	50.9	29.5	29.1	28.8	147.4	145.8	145.2
Pensacola .....	11.7	11.3	11.1	6.4	6.3	6.3	32.5	33.6	33.1
Sarasota .....	8.8	8.5	8.6	3.8	3.6	3.6	34.2	33.2	33.4
Tallahassee .....	4.5	4.3	4.3	3.1	3.2	3.2	27.4	27.7	27.7
Tampa-St. Petersburg-Clearwater .....	91.7	88.7	89.0	41.8	41.8	41.9	243.0	245.5	245.6
West Palm Beach-Boca Raton-Delray Beach .....	32.7	31.1	30.9	14.7	14.8	14.8	95.1	90.8	93.3

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Alabama</b> .....	74.6	73.4	72.8	323.4	329.3	329.7	329.7	326.0	334.0
Birmingham .....	30.8	30.7	30.3	107.7	111.0	111.4	66.9	67.1	68.1
Huntsville .....	4.0	4.0	4.0	33.5	33.6	33.4	31.6	32.6	32.3
Mobile .....	8.1	7.9	7.8	43.6	45.7	46.1	31.3	28.9	30.4
Montgomery .....	8.6	8.3	8.3	31.1	31.5	31.4	34.7	33.5	34.5
Tuscaloosa .....	2.1	2.1	2.1	10.0	9.6	10.0	20.7	20.8	21.1
<b>Alaska</b> .....	10.3	10.3	10.3	50.4	54.7	52.3	71.8	72.5	73.2
<b>Arizona</b> .....	95.6	94.9	94.6	411.5	423.6	428.3	270.7	270.0	280.2
Phoenix .....	76.3	75.8	75.7	279.6	285.7	289.5	140.1	138.2	144.8
Tucson .....	11.7	11.7	11.6	75.1	78.4	79.5	57.0	58.1	59.0
<b>Arkansas</b> .....	38.4	39.0	39.0	196.3	206.8	206.8	163.6	167.0	169.2
Fayetteville-Springdale .....	1.7	1.7	1.6	10.1	9.9	9.9	12.3	12.4	12.6
Fort Smith .....	2.6	2.7	2.7	19.2	19.7	19.6	8.6	8.6	8.9
Little Rock-North Little Rock .....	15.6	15.9	15.9	67.5	69.1	69.3	50.2	51.2	51.6
Pine Bluff .....	1.2	1.2	1.2	7.3	7.2	7.1	8.2	7.9	8.3
<b>California</b> .....	845.6	840.6	838.4	3,520.4	3,575.0	3,584.7	2,089.6	2,059.5	2,102.2
Anaheim-Santa Ana .....	102.7	103.5	103.3	330.0	333.1	335.1	127.4	123.2	128.1
Bakersfield .....	6.9	6.8	6.8	36.4	37.0	37.2	44.5	45.2	45.8
Fresno .....	13.6	13.9	13.8	55.3	60.8	60.8	51.7	51.3	51.7
Los Angeles-Long Beach .....	292.8	289.8	288.5	1,264.2	1,282.2	1,289.0	539.9	527.3	543.3
Modesto .....	5.1	4.8	4.8	25.3	25.9	26.2	20.6	19.7	20.5
Oakland .....	58.1	57.1	58.9	229.9	233.9	234.1	168.8	166.0	168.8
Oxnard-Ventura .....	12.1	12.0	11.9	57.2	57.9	58.2	44.0	44.0	44.0
Riverside-San Bernardino .....	33.4	33.9	33.6	184.6	190.7	193.0	153.2	152.1	155.9
Sacramento .....	41.9	43.5	43.2	143.7	145.4	144.7	186.1	184.2	183.8
Salinas-Seaside-Monterey .....	6.3	8.7	6.7	28.9	28.8	28.8	27.9	27.7	28.0
San Diego .....	67.5	65.4	65.0	279.1	284.1	280.8	179.9	177.7	180.0
San Francisco .....	108.5	108.3	108.2	322.9	327.5	328.5	138.8	135.6	137.7
San Jose .....	32.6	32.2	32.0	220.9	219.4	221.5	90.0	88.0	88.9
Santa Barbara-Santa Maria-Lompoc .....	8.6	8.6	8.6	43.9	44.1	44.5	29.3	27.4	29.6
Santa Rosa-Petaluma .....	8.9	9.1	9.1	36.5	37.8	37.9	24.9	24.6	25.1
Stockton .....	9.5	9.7	9.6	33.7	33.9	34.4	34.2	35.1	35.4
Vallejo-Fairfield-Napa .....	5.4	5.2	5.2	33.0	34.4	34.3	37.5	36.7	37.3
<b>Colorado</b> .....	96.8	97.7	97.4	400.5	418.6	415.9	285.4	283.4	292.6
Boulder-Longmont .....	4.2	4.2	4.3	28.8	29.2	29.4	24.0	23.4	24.3
Denver .....	64.8	66.3	66.4	233.8	241.2	242.2	132.5	135.3	137.8
<b>Connecticut</b> .....	150.2	146.4	145.6	440.0	432.8	433.2	212.5	204.9	210.3
Bridgeport-Milford .....	11.4	11.2	11.2	53.0	52.1	51.9	19.9	18.5	19.3
Hartford .....	74.4	72.0	72.2	118.7	113.3	113.7	63.9	63.1	63.5
New Britain .....	2.9	2.7	2.7	14.8	14.3	14.3	7.1	6.8	7.1
New Haven-Meriden .....	17.0	15.7	15.6	85.8	81.4	85.1	31.9	30.6	31.0
Stamford .....	14.0	14.1	13.9	38.2	37.9	37.4	10.5	10.1	10.4
Waterbury .....	4.6	4.3	4.3	22.7	22.0	21.6	13.1	12.7	12.8
<b>Delaware</b> .....	31.9	32.1	32.0	85.4	84.9	83.5	46.2	44.1	46.6
Wilmington .....	28.7	26.7	28.7	76.3	75.1	74.2	37.0	34.6	37.4
<b>District of Columbia</b> .....	33.2	32.1	31.8	262.1	261.9	263.3	275.2	275.0	272.5
Washington MSA .....	129.8	126.7	125.6	759.7	762.4	761.5	590.0	583.4	586.7
<b>Florida</b> .....	370.4	354.1	353.0	1,610.9	1,638.4	1,641.0	863.6	885.6	895.8
Daytona Beach .....	5.8	5.6	5.6	37.2	37.4	37.0	21.4	22.7	23.0
Fort Lauderdale-Hollywood-Pompano Beach .....	40.5	38.9	38.8	155.3	154.8	155.8	69.6	72.3	73.3
Fort Myers-Cape Coral .....	9.3	8.7	8.8	36.7	38.2	38.4	20.5	20.9	20.9
Gainesville .....	4.7	4.7	4.6	25.9	26.4	26.4	38.8	37.0	38.5
Jacksonville .....	42.7	42.1	41.9	115.0	115.3	115.4	65.2	65.1	65.4
Lakeland-Winter Haven .....	9.0	8.8	8.8	38.2	39.4	39.7	23.5	24.1	24.6
Melbourne-Titusville-Palm Bay .....	5.7	5.2	5.0	53.5	53.5	53.7	23.8	23.6	23.5
Miami-Hialeah .....	70.7	69.1	68.9	255.6	250.2	250.6	125.2	126.4	125.1
Orlando .....	32.6	31.3	30.9	203.0	206.7	205.0	66.7	67.9	68.4
Pensacola .....	5.7	5.7	5.7	35.0	35.6	35.6	31.5	31.3	31.9
Sarasota .....	8.4	8.1	8.0	40.4	42.7	43.0	13.8	14.2	14.4
Tallahassee .....	5.3	5.2	5.2	27.9	28.3	28.5	53.1	53.0	54.1
Tampa-St. Petersburg-Clearwater .....	65.0	63.4	63.6	279.4	286.9	288.2	116.6	117.6	118.9
West Palm Beach-Boca Raton-DeLray Beach .....	28.4	26.9	27.1	116.5	116.8	118.6	47.2	47.1	47.5

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P
<b>Georgia</b> .....	3,013.5	2,950.6	2,955.7	8.7	8.4	8.4	147.0	131.0	129.5
Albany .....	50.6	50.3	51.0	(?)	(?)	(?)	2.8	3.0	3.0
Athens .....	69.4	66.2	68.6	.1	.1	.1	2.5	2.5	2.4
Atlanta .....	1,494.9	1,456.9	1,459.5	1.2	1.1	1.1	68.3	61.2	60.5
Augusta .....	183.4	182.3	182.5	.6	.6	.6	18.2	17.0	17.2
Columbus .....	95.9	97.0	97.5	.1	.1	.1	5.5	5.5	5.6
Macon-Warner Robins .....	129.9	127.1	127.8	.2	.1	.1	5.1	4.8	4.9
Savannah .....	115.3	114.0	113.9	(?)	(?)	(?)	10.8	10.1	9.8
<b>Hawaii</b> .....	530.0	527.8	536.5	(?)	(?)	(?)	32.5	33.0	32.6
Honolulu .....	410.6	405.5	413.3	(?)	(?)	(?)	24.2	24.9	24.7
<b>Idaho</b> .....	399.8	408.5	410.2	4.1	3.1	3.1	21.3	23.1	23.0
Boise City .....	108.5	109.3	109.2	(1)	(1)	(1)	6.7	6.2	6.1
<b>Illinois</b> .....	5,313.7	5,314.3	5,303.7	20.1	19.8	19.8	230.9	228.6	221.9
Aurora-Egin .....	150.7	150.9	151.4	(1)	(1)	(1)	9.5	9.3	8.8
Bloomington-Normal .....	68.3	68.0	68.5	(1)	(1)	(1)	2.8	2.5	2.5
Champaign-Urbana-Rantoul .....	92.6	90.2	93.7	(1)	(1)	(1)	2.8	2.8	2.8
Chicago .....	3,205.4	3,233.6	3,220.7	2.3	2.1	2.1	134.5	134.3	132.1
Davenport-Rock Island-Moline .....	166.0	165.3	165.9	(1)	(1)	(1)	7.0	7.1	7.1
Decatur .....	54.8	54.6	54.5	(1)	(1)	(1)	3.6	3.7	3.5
Joliet .....	107.4	110.2	110.0	(1)	(1)	(1)	8.3	8.9	8.7
Kankakee .....	36.4	36.9	37.4	(1)	(1)	(1)	1.8	2.0	1.9
Lake County .....	221.7	227.9	225.9	(1)	(1)	(1)	12.2	12.2	12.1
Peoria .....	151.1	152.0	151.4	(1)	(1)	(1)	8.4	8.7	8.4
Rockford .....	139.6	138.2	139.2	(1)	(1)	(1)	6.3	6.1	5.9
Springfield .....	105.4	107.1	107.9	(1)	(1)	(1)	3.7	4.3	4.2
<b>Indiana</b> .....	2,549.2	2,554.9	2,557.0	8.2	7.5	7.3	127.6	125.6	124.7
Anderson .....	51.2	50.6	50.6	(1)	(1)	(1)	1.5	1.3	1.2
Bloomington .....	58.3	58.9	59.9	(1)	(1)	(1)	2.5	2.8	2.7
Elkhart-Goshen .....	102.6	104.5	104.5	(1)	(1)	(1)	3.7	3.7	3.7
Evansville .....	136.5	138.6	139.8	2.0	1.9	1.9	7.5	7.6	7.8
Fort Wayne .....	206.5	207.5	207.4	(1)	(1)	(1)	10.4	10.6	10.5
Gary-Hammond .....	250.7	251.3	250.4	(1)	(1)	(1)	17.4	17.0	16.6
Indianapolis .....	677.5	688.7	691.6	.9	.8	.8	40.2	40.4	41.1
Kokomo .....	47.5	45.5	45.5	(1)	(1)	(1)	1.5	1.5	1.4
Lafayette-West Lafayette .....	72.5	72.2	72.5	(1)	(1)	(1)	2.9	2.7	2.7
Muncie .....	56.0	56.2	56.6	(1)	(1)	(1)	2.4	2.5	2.5
South Bend-Mishawaka .....	121.5	123.0	122.8	(1)	(1)	(1)	7.1	7.9	8.0
Terre Haute .....	59.7	61.0	61.3	.5	.6	.5	2.8	2.7	2.7
<b>Iowa</b> .....	1,245.3	1,241.5	1,249.8	2.2	2.2	2.2	50.3	51.2	50.8
Cedar Rapids .....	95.3	94.2	94.4	(1)	(1)	(1)	4.6	4.8	4.8
Des Moines .....	235.5	232.5	234.4	(1)	(1)	(1)	10.1	10.1	10.1
Dubuque .....	46.1	46.5	46.7	(1)	(1)	(1)	1.9	1.9	2.0
Iowa City .....	56.5	55.3	56.4	(1)	(1)	(1)	1.8	1.8	1.8
Sioux City .....	56.3	56.6	57.2	(1)	(1)	(1)	2.7	3.0	2.9
Waterloo-Cedar Falls .....	72.6	71.8	73.6	(1)	(1)	(1)	2.5	2.6	2.6
<b>Kansas</b> .....	1,093.4	1,099.9	1,105.9	10.3	9.8	9.7	43.8	44.7	44.6
Lawrence .....	38.3	37.7	38.3	(1)	(1)	(1)	1.8	1.7	1.7
Topeka .....	90.4	89.6	89.7	(1)	(1)	(1)	3.6	3.8	3.8
Wichita .....	244.6	247.7	248.5	2.0	1.8	1.8	10.4	10.9	10.8
<b>Kentucky</b> .....	1,495.1	1,499.6	1,498.3	35.8	34.2	34.0	70.1	69.4	68.8
Lexington-Fayette .....	205.7	201.2	204.0	.3	.3	.3	10.8	9.8	9.8
Louisville .....	487.2	489.8	491.3	.6	.6	.6	24.5	23.6	23.8
Owensboro .....	37.1	36.8	36.9	.6	.4	.4	2.3	2.2	2.1
<b>Louisiana</b> .....	1,619.6	1,633.1	1,631.8	56.3	54.9	54.5	96.2	96.6	96.0
Alexandria .....	46.9	46.9	47.2	.1	.1	.1	3.3	3.4	3.4
Baton Rouge .....	238.6	240.3	240.6	.9	.9	.9	27.2	27.1	27.0
Houma-Thibodaux .....	58.5	60.0	60.2	5.5	5.7	5.7	2.0	2.6	2.6
Lafayette .....	98.8	99.1	99.2	12.9	12.3	12.2	4.6	4.5	4.5
Lake Charles .....	67.1	68.8	68.7	1.3	1.2	1.2	6.0	7.6	7.6
Monroe .....	59.3	60.0	60.9	.5	.5	.5	2.8	3.6	4.2
New Orleans .....	540.7	539.4	540.3	13.8	13.9	13.7	24.2	24.2	24.0
Shreveport .....	134.6	134.7	135.7	3.1	3.0	3.1	6.3	6.6	6.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Georgia</b> .....	554.0	543.7	543.3	201.0	194.5	195.4	750.9	724.4	724.5
Albany .....	8.3	8.0	7.9	2.9	2.7	2.7	12.0	12.4	12.6
Athens .....	15.1	14.9	14.8	1.9	1.9	1.9	15.9	15.3	15.4
Atlanta .....	171.3	170.8	170.2	131.4	126.2	127.3	407.1	387.5	388.2
Augusta .....	41.4	42.0	41.7	4.7	4.5	4.5	39.4	38.0	38.4
Columbus .....	19.4	20.5	20.6	3.2	3.2	3.1	20.3	19.5	19.6
Macon-Warner Robins .....	19.2	18.6	18.7	5.2	5.3	5.2	29.4	28.6	28.5
Savannah .....	17.6	16.9	16.9	9.4	9.6	9.5	27.5	26.3	26.5
<b>Hawaii</b> .....	20.9	20.3	20.2	42.6	42.2	42.2	136.7	135.1	135.5
Honolulu .....	15.7	15.1	15.0	34.7	34.4	34.3	103.1	101.4	101.6
<b>Idaho</b> .....	65.0	65.3	65.6	20.6	20.9	20.8	99.6	101.9	101.8
Boise City .....	16.1	16.3	16.3	5.8	6.0	5.9	27.1	26.9	26.7
<b>Illinois</b> .....	982.4	976.2	972.9	308.4	308.9	309.6	1,265.0	1,275.2	1,264.7
Aurora-Elgin .....	38.4	38.8	38.3	3.7	3.8	3.7	40.2	40.6	40.6
Bloomington-Normal .....	7.7	7.8	7.8	3.2	3.0	3.0	15.6	15.4	15.6
Champaign-Urbana-Rantoul .....	9.6	9.7	9.9	2.3	2.4	2.4	19.5	19.3	19.6
Chicago .....	561.0	557.8	556.2	209.4	209.0	208.9	756.6	769.9	765.6
Davenport-Rock Island-Moline .....	32.8	31.7	31.7	7.3	7.5	7.6	47.5	47.0	46.7
Decatur .....	14.5	14.5	14.5	4.2	4.3	4.3	12.1	11.5	11.5
Joliet .....	19.7	19.8	19.8	8.5	8.7	8.7	24.9	25.9	25.7
Kankakee .....	5.7	5.6	5.7	2.3	2.2	2.3	8.9	9.2	9.3
Lake County .....	48.7	48.7	48.5	5.9	5.9	5.9	59.3	61.2	60.5
Peoria .....	33.9	33.2	33.0	7.0	7.2	7.2	35.3	35.8	35.9
Rockford .....	48.8	47.4	47.7	4.8	4.9	4.9	29.7	30.1	30.0
Springfield .....	4.2	4.2	4.2	4.8	4.8	4.8	23.0	23.4	23.9
<b>Indiana</b> .....	637.7	631.6	630.4	132.7	134.5	134.3	599.8	598.8	596.8
Anderson .....	16.5	16.1	15.9	1.3	1.2	1.2	12.1	11.8	12.0
Bloomington .....	9.4	9.0	8.9	1.7	1.8	1.8	13.1	12.9	13.4
Elkhart-Goshen .....	50.4	51.6	51.6	3.5	3.2	3.2	19.1	18.7	18.7
Evansville .....	30.7	31.1	30.8	7.0	6.8	6.8	35.6	35.1	34.9
Fort Wayne .....	51.3	51.2	50.9	13.7	14.4	14.2	51.6	50.7	50.8
Gary-Hammond .....	57.0	55.7	55.5	16.6	16.8	16.6	59.1	60.1	59.6
Indianapolis .....	110.8	110.7	110.4	43.9	43.8	43.8	172.4	175.1	175.0
Kokomo .....	18.9	17.5	17.6	1.4	1.4	1.4	10.5	9.8	9.7
Lafayette-West Lafayette .....	13.9	13.8	13.9	2.0	2.1	2.1	14.8	14.6	14.6
Muncie .....	11.5	11.2	11.1	2.7	2.7	2.7	13.0	12.9	12.9
South Bend-Mishawaka .....	21.9	21.0	21.0	5.7	5.5	5.4	31.3	31.2	31.2
Terre Haute .....	10.8	11.4	11.4	2.8	2.7	2.7	16.1	16.3	16.5
<b>Iowa</b> .....	237.4	232.8	232.8	55.8	55.0	54.8	310.8	310.1	309.5
Cedar Rapids .....	21.9	21.2	21.1	6.0	6.0	6.0	22.8	22.5	22.3
Des Moines .....	26.8	26.0	25.9	12.5	12.2	12.1	59.8	58.3	58.8
Dubuque .....	12.6	12.9	12.9	1.7	1.7	1.7	10.7	10.4	10.4
Iowa City .....	4.5	4.9	4.7	1.4	1.5	1.4	11.2	11.4	11.4
Sioux City .....	11.1	10.7	10.7	3.1	3.3	3.3	14.3	14.0	14.2
Waterloo-Cedar Falls .....	17.3	16.7	17.1	1.8	1.9	1.8	17.1	17.0	17.4
<b>Kansas</b> .....	185.8	185.8	185.7	66.5	69.0	69.1	268.5	267.9	269.3
Lawrence .....	4.7	4.7	4.7	1.1	1.0	1.0	8.3	8.0	8.1
Topeka .....	9.1	8.9	8.8	6.9	6.8	6.7	19.5	18.9	19.0
Wichita .....	64.1	63.6	63.8	11.7	11.4	11.5	56.9	57.8	58.0
<b>Kentucky</b> .....	288.6	283.5	284.0	81.4	82.7	82.2	354.5	355.1	354.3
Lexington-Fayette .....	33.6	32.3	32.5	9.0	9.3	9.3	45.8	44.9	45.4
Louisville .....	89.8	87.1	87.4	31.6	31.7	32.0	121.5	123.3	123.3
Owensboro .....	6.7	6.6	6.6	2.3	2.3	2.3	9.7	9.4	9.6
<b>Louisiana</b> .....	187.6	185.7	186.4	111.4	110.7	110.0	373.0	378.4	377.8
Alexandria .....	3.2	3.2	3.2	2.3	2.4	2.4	10.5	10.5	10.5
Baton Rouge .....	23.0	23.4	23.3	11.0	11.3	11.4	53.7	54.7	54.8
Houma-Thibodaux .....	6.0	6.0	6.1	6.8	6.7	6.8	14.6	15.0	14.9
Lafayette .....	9.1	9.5	9.8	7.1	7.0	6.8	25.6	26.0	26.0
Lake Charles .....	11.5	9.9	9.9	4.4	4.6	4.5	15.6	15.8	15.8
Monroe .....	7.9	8.0	8.0	3.1	3.0	3.0	15.0	15.0	15.0
New Orleans .....	45.7	44.5	44.5	44.1	44.1	43.7	133.8	133.9	134.0
Shreveport .....	18.2	17.6	17.4	8.1	8.0	8.0	32.2	33.2	33.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Georgia</b> .....	162.9	162.6	161.4	649.2	651.6	649.2	539.9	534.4	544.0
Albany .....	2.1	2.2	2.2	9.1	9.2	9.2	13.4	12.8	13.4
Athens .....	2.2	2.1	2.1	11.1	11.3	11.8	20.7	18.1	20.1
Atlanta .....	107.8	107.9	107.0	380.5	379.6	377.0	227.2	222.6	228.2
Augusta .....	6.1	5.9	5.8	36.5	37.8	37.6	36.6	36.5	36.7
Columbus .....	6.3	6.5	6.5	20.3	20.9	21.1	20.8	20.8	20.9
Macon-Warner Robins .....	7.9	8.4	8.4	27.4	26.6	26.8	35.5	34.7	35.2
Savannah .....	5.0	5.4	5.3	27.8	29.0	29.1	17.0	16.7	16.8
<b>Hawaii</b> .....	37.4	37.9	38.1	155.5	160.3	160.3	104.4	99.0	107.6
Honolulu .....	30.0	30.3	30.5	116.3	119.0	118.9	86.6	80.4	88.3
<b>Idaho</b> .....	19.9	20.6	20.5	83.6	88.5	88.1	85.7	85.1	87.3
Boise City .....	8.2	8.4	8.3	24.4	25.6	25.1	20.2	19.9	20.8
<b>Illinois</b> .....	374.6	375.3	372.9	1,356.8	1,374.9	1,367.8	775.5	755.4	774.1
Aurora-Elgin .....	8.2	8.4	8.4	34.2	35.2	35.0	16.5	14.8	16.6
Bloomington-Normal .....	11.3	11.4	11.4	14.5	14.9	14.9	13.2	13.0	13.3
Champaign-Urbana-Rantoul .....	3.3	3.3	3.3	18.1	19.2	19.7	37.0	33.5	36.0
Chicago .....	267.7	266.7	265.8	896.6	918.6	912.7	377.3	375.2	377.3
Davenport-Rock Island-Moline .....	7.7	7.8	7.8	37.4	38.1	38.1	26.3	26.1	26.9
Decatur .....	2.3	2.3	2.2	12.2	12.4	12.5	5.9	5.9	6.0
Joliet .....	3.7	3.8	3.8	24.5	25.3	25.5	17.8	17.8	17.8
Kankakee .....	2.1	1.8	1.8	9.0	9.7	9.8	6.6	6.4	6.6
Lake County .....	13.3	13.5	13.5	50.0	54.4	52.7	32.3	32.0	32.7
Peoria .....	7.6	7.8	7.8	41.7	42.3	41.9	17.2	17.0	17.2
Rockford .....	5.6	5.5	5.6	31.5	32.1	32.6	12.9	12.1	12.5
Springfield .....	8.1	8.1	8.1	26.9	27.5	28.0	34.7	34.8	34.7
<b>Indiana</b> .....	122.5	125.6	124.8	536.4	555.0	556.2	384.3	376.2	382.6
Anderson .....	1.6	1.6	1.6	11.4	11.5	11.6	6.8	7.1	7.2
Bloomington .....	1.9	2.0	2.0	10.4	11.9	11.9	19.3	18.6	19.2
Elkhart-Goshen .....	2.8	2.4	2.4	16.6	18.0	17.8	6.4	6.8	7.0
Evansville .....	5.3	5.4	5.4	35.1	36.4	37.3	13.3	14.2	14.7
Fort Wayne .....	12.8	13.1	13.0	47.0	47.6	47.7	19.7	19.8	20.3
Gary-Hammond .....	8.4	8.5	8.4	58.5	60.6	60.4	33.7	32.7	33.2
Indianapolis .....	49.7	52.1	52.0	159.5	162.3	163.9	100.1	103.5	104.6
Kokomo .....	1.4	1.4	1.4	7.4	7.6	7.5	6.5	6.5	6.6
Lafayette-West Lafayette .....	3.0	3.0	3.1	13.1	13.2	13.2	22.7	22.7	23.0
Muncie .....	1.7	1.7	1.7	12.1	12.8	12.7	12.6	12.3	12.9
South Bend-Mishawaka .....	6.3	6.6	6.5	37.1	38.8	38.5	12.0	12.1	12.1
Terre Haute .....	2.1	2.1	2.1	12.8	13.1	12.9	11.8	12.1	12.4
<b>Iowa</b> .....	69.6	71.6	71.2	294.7	302.3	303.4	224.5	216.3	225.1
Cedar Rapids .....	4.8	5.0	4.9	23.3	23.1	23.2	11.9	11.6	12.1
Des Moines .....	31.8	32.5	32.6	62.1	61.9	62.4	32.4	31.5	32.5
Dubuque .....	1.5	1.6	1.6	13.6	14.1	14.1	4.1	3.9	4.0
Iowa City .....	1.4	1.4	1.4	10.0	10.0	10.5	26.2	24.3	25.2
Sioux City .....	2.5	2.6	2.6	16.2	16.8	17.2	6.4	6.2	6.3
Waterloo-Cedar Falls .....	3.1	3.4	3.5	17.2	17.0	17.4	13.6	13.2	13.8
<b>Kansas</b> .....	58.0	57.9	57.8	244.1	251.6	252.1	216.4	213.2	217.6
Lawrence .....	1.6	1.6	1.6	8.1	8.5	8.6	12.7	12.2	12.8
Topeka .....	6.3	6.4	6.4	23.0	23.0	23.1	22.0	21.8	21.9
Wichita .....	11.4	11.4	11.3	58.6	61.9	61.9	29.5	28.9	29.4
<b>Kentucky</b> .....	60.9	61.2	60.9	334.3	341.9	341.7	269.5	271.6	272.4
Lexington-Fayette .....	9.5	9.6	9.7	51.3	50.3	51.4	45.4	44.7	45.6
Louisville .....	27.8	28.2	28.2	126.6	129.4	129.4	64.8	65.9	66.6
Owensboro .....	1.5	1.5	1.4	8.4	8.6	8.6	5.6	5.8	5.9
<b>Louisiana</b> .....	78.7	79.1	78.4	382.1	388.8	389.8	334.3	338.9	338.9
Alexandria .....	2.1	2.0	2.0	12.4	12.6	12.6	13.0	12.7	13.0
Baton Rouge .....	13.1	13.0	12.9	54.5	55.0	54.9	55.2	54.9	55.4
Houma-Thibodaux .....	2.1	2.1	2.1	10.7	10.9	10.9	10.8	11.0	11.1
Lafayette .....	3.4	3.4	3.4	22.4	22.8	22.7	13.7	13.6	13.8
Lake Charles .....	2.6	2.8	2.8	14.7	15.7	15.6	11.0	11.2	11.3
Monroe .....	4.3	4.5	4.5	13.4	13.5	13.7	12.3	11.9	12.0
New Orleans .....	31.4	31.2	31.2	157.5	159.0	159.3	90.2	88.6	89.9
Shreveport .....	6.2	6.6	6.5	33.7	34.2	34.7	26.8	25.5	26.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Maine</b> .....	542.6	523.6	523.8	0.1	0.2	0.2	29.5	25.7	24.6
Lewiston-Auburn .....	40.9	37.9	38.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.8	1.8
Portland .....	132.1	125.8	124.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	5.8	5.3
<b>Maryland</b> .....	2,189.7	2,149.9	2,152.6	2.1	2.2	2.2	160.6	152.6	149.8
Baltimore MSA .....	1,160.8	1,139.0	1,145.4	.5	.6	.5	77.2	73.2	72.6
Baltimore City .....	473.1	462.0	464.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.4	18.0	17.8
Suburban Maryland-D.C. ....	781.8	771.4	769.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	68.9	64.6	63.2
<b>Massachusetts</b> .....	2,967.4	2,804.5	2,816.2	1.4	1.6	1.6	98.9	77.3	73.8
Boston .....	1,886.4	1,577.9	1,589.9	.6	.7	.7	51.1	41.8	40.5
Brockton .....	70.5	66.6	66.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.3	2.2
Fall River .....	52.1	50.8	50.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.7	1.6
Fitchburg-Leominster .....	38.2	36.0	36.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.2	1.1
Lawrence-Haverhill .....	153.8	146.2	145.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	4.4	4.3
Lowell .....	98.5	93.2	93.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.3	3.3
New Bedford .....	64.6	62.0	62.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.1	2.1
Pittsfield .....	41.7	40.8	41.2	.1	.1	.1	2.1	2.0	2.0
Springfield .....	234.4	225.3	226.2	.2	.2	.2	8.2	6.4	6.1
Worcester .....	191.1	178.7	179.8	.2	.2	.2	6.7	5.1	5.0
<b>Michigan</b> .....	3,993.9	3,893.9	3,921.7	8.0	9.4	8.9	149.5	137.1	137.0
Ann Arbor .....	182.9	178.5	183.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	3.9	3.7
Battle Creek .....	61.6	60.4	60.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.6
Benton Harbor .....	68.8	67.1	67.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.2	2.2
Detroit .....	1,958.0	1,897.3	1,898.1	1.1	1.2	1.1	67.8	62.2	63.0
Flint .....	171.2	172.7	172.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	5.4	5.4
Grand Rapids .....	364.4	364.7	367.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.2	15.9	15.7
Jackson .....	55.7	54.6	54.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.1	2.1
Kalamazoo .....	118.3	116.0	116.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	3.9	3.9
Lansing-East Lansing .....	221.9	211.7	222.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.6	6.4	6.0
Muskegon .....	59.7	59.6	59.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.6	2.4
Saginaw-Bay City-Midland .....	168.3	169.1	168.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.7	8.7	8.6
<b>Minnesota</b> .....	2,159.7	2,159.6	2,171.3	8.7	9.0	9.0	87.7	85.4	63.9
Duluth .....	99.6	100.3	100.6	5.4	5.5	5.5	3.9	4.2	4.3
Minneapolis-St. Paul .....	1,386.0	1,382.9	1,391.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	54.0	51.6	51.0
Rochester .....	67.1	87.5	67.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.4	2.4
St. Cloud .....	81.0	82.0	83.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	3.9	3.8
<b>Mississippi</b> .....	950.4	954.4	956.8	6.1	5.8	5.7	37.8	35.2	35.1
Jackson .....	188.3	189.0	189.8	.6	.6	.5	7.7	7.0	6.9
<b>Missouri</b> .....	2,366.9	2,342.9	2,346.4	5.3	4.9	4.8	104.4	104.1	102.7
Kansas City .....	792.1	789.2	788.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	33.9	35.0	34.5
St. Louis .....	1,194.8	1,178.7	1,183.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	57.6	54.5	53.9
Springfield .....	124.2	123.4	125.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.0	5.1
<b>Montana</b> .....	303.7	307.7	308.0	6.5	5.9	6.0	12.2	12.5	12.2
<b>Nebraska</b> .....	743.7	778.8	787.6	1.8	1.9	1.9	29.2	34.9	35.3
Lincoln .....	124.3	125.9	126.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.4	4.4
Omaha .....	335.0	351.2	353.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.9	15.5	15.7
<b>Nevada</b> .....	643.5	642.9	645.5	14.6	14.5	14.5	50.9	46.8	46.8
Las Vegas .....	388.7	389.2	392.0	.3	.2	.3	36.7	32.9	32.9
Reno .....	147.8	146.4	146.5	1.6	1.5	1.5	7.9	7.7	7.8
<b>New Hampshire</b> .....	511.1	490.9	491.9	.4	.4	.4	22.2	17.8	17.3
Manchester .....	81.6	78.6	79.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	2.4	2.3
Nashua .....	89.2	84.1	84.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	2.0	2.0
Portsmouth-Dover-Rochester .....	114.2	109.9	109.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.5	3.4
<b>New Jersey</b> .....	3,665.6	3,562.3	3,565.6	2.4	2.3	2.2	148.3	132.7	130.7
Atlantic City .....	174.4	178.7	169.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.8	6.7	6.7
Bergen-Passaic .....	651.9	625.9	628.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	27.5	24.3	24.0
Camden .....	451.9	438.2	441.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.6	21.5	21.0
Jersey City .....	249.0	236.2	236.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.3	4.8	4.9
Middlesex-Somerset-Hunterdon .....	551.6	540.4	543.1	.7	.7	.6	22.7	20.3	19.1
Monmouth-Ocean .....	330.0	331.1	325.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.6	14.5	14.5
Newark .....	939.6	909.4	912.6	.8	.5	.5	35.2	32.9	32.3
Trenton .....	198.7	191.3	194.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.5	4.5
Vineland-Millville-Bridgeton .....	60.9	59.5	59.5	.4	.3	.3	2.1	2.3	2.2

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Maine</b> .....	102.0	96.7	96.4	22.8	22.1	21.8	134.5	130.6	129.8
Lewiston-Auburn .....	8.8	8.2	8.1	1.4	1.3	1.3	10.8	9.9	10.3
Portland .....	17.4	16.4	15.8	6.5	7.0	6.9	39.5	35.7	34.4
<b>Maryland</b> .....	206.0	198.6	198.5	103.4	101.9	101.8	531.0	526.0	520.3
Baltimore MSA .....	129.4	124.5	124.1	56.5	56.6	56.2	268.7	264.4	264.1
Baltimore City .....	44.6	43.2	43.2	28.5	27.8	27.9	87.3	84.9	84.8
Suburban Maryland-D.C. ....	35.9	35.5	35.3	33.2	33.6	33.7	197.7	196.0	195.4
<b>Massachusetts</b> .....	512.9	482.1	480.4	128.9	123.5	122.4	697.8	648.7	647.5
Boston .....	235.8	224.5	223.5	75.2	73.3	72.3	367.4	342.1	345.0
Brockton .....	9.2	8.3	8.3	4.7	4.0	4.0	22.6	21.4	21.5
Fall River .....	13.8	13.1	13.2	1.9	1.7	1.7	13.2	13.1	13.1
Fitchburg-Leominster .....	10.7	10.4	10.4	1.4	1.3	1.3	9.8	9.2	9.2
Lawrence-Haverhill .....	43.5	41.6	41.4	6.4	6.0	6.1	35.9	34.0	33.6
Lowell .....	30.4	28.3	27.8	5.1	5.0	5.0	22.0	21.0	21.1
New Bedford .....	15.9	15.3	15.3	2.8	2.7	2.6	16.9	16.2	16.2
Pittsfield .....	9.2	8.9	8.9	1.2	1.3	1.3	9.9	9.3	9.5
Springfield .....	46.0	43.9	43.9	10.4	10.0	10.2	53.5	51.0	50.8
Worcester .....	39.8	37.5	37.6	9.0	8.3	8.2	45.5	41.9	42.1
<b>Michigan</b> .....	945.9	906.4	900.8	157.9	158.1	157.0	947.4	925.9	926.6
Ann Arbor .....	35.6	38.0	38.0	5.3	5.4	5.4	32.7	32.6	33.3
Battle Creek .....	16.2	15.5	15.0	1.6	1.6	1.6	12.9	12.8	12.8
Benton Harbor .....	22.0	21.2	21.2	2.8	2.8	2.8	14.2	13.7	13.5
Detroit .....	449.3	426.3	419.2	89.7	89.9	89.4	470.5	454.0	455.4
Flint .....	49.0	47.7	47.8	4.5	4.8	4.9	43.9	43.7	43.1
Grand Rapids .....	103.4	101.9	102.4	12.3	11.9	11.8	97.6	98.8	99.9
Jackson .....	12.9	12.2	12.4	3.9	3.6	3.5	13.5	13.5	13.6
Kalamazoo .....	29.5	28.5	28.4	3.4	3.5	3.5	27.1	25.7	26.2
Lansing-East Lansing .....	31.7	31.8	31.7	5.7	5.9	5.9	47.7	47.4	48.5
Muskegon .....	16.5	16.1	16.0	2.2	2.2	2.2	14.5	14.6	14.2
Saginaw-Bay City-Midland .....	44.5	43.8	43.9	6.4	6.3	6.4	42.2	42.7	42.3
<b>Minnesota</b> .....	400.0	399.8	394.7	110.4	109.9	110.3	519.0	522.3	518.4
Duluth .....	8.7	8.8	8.8	6.2	6.2	6.2	24.9	24.4	24.6
Minneapolis-St. Paul .....	259.5	254.9	253.0	77.4	77.0	77.2	329.9	331.4	329.8
Rochester .....	12.1	11.7	11.5	1.9	1.9	1.9	13.6	13.6	13.7
St. Cloud .....	14.7	15.7	15.8	4.0	4.2	4.3	23.4	23.5	23.7
<b>Mississippi</b> .....	249.1	248.1	248.6	46.1	45.4	45.9	200.6	204.3	203.7
Jackson .....	21.3	22.1	22.1	12.9	13.0	13.1	44.6	44.6	44.7
<b>Missouri</b> .....	434.5	419.4	416.7	155.6	153.9	153.6	564.8	556.1	555.0
Kansas City .....	110.8	109.4	107.6	63.6	63.8	63.6	200.9	198.1	198.1
St. Louis .....	221.7	210.8	210.3	78.6	78.7	78.4	282.8	276.6	277.1
Springfield .....	21.6	21.7	21.8	7.7	7.5	7.4	35.4	34.9	35.0
<b>Montana</b> .....	23.4	23.1	23.0	20.1	20.5	20.7	79.4	81.2	80.3
<b>Nebraska</b> .....	100.8	103.8	104.8	46.0	46.1	46.4	188.2	194.8	196.5
Lincoln .....	15.4	15.4	15.4	6.8	6.8	6.9	26.9	26.9	27.0
Omaha .....	37.7	40.4	40.6	23.5	23.6	23.4	82.5	85.2	85.8
<b>Nevada</b> .....	27.2	26.4	26.5	33.2	33.7	33.8	129.4	129.9	130.0
Las Vegas .....	11.0	10.1	10.1	20.0	20.4	20.5	77.3	78.6	78.5
Reno .....	8.9	8.8	8.9	9.8	9.7	9.7	34.5	34.1	34.1
<b>New Hampshire</b> .....	104.8	100.5	100.7	17.8	17.4	17.3	128.9	119.9	120.0
Manchester .....	11.2	10.7	10.8	4.7	4.6	4.7	21.2	19.8	19.8
Nashua .....	30.2	29.0	29.0	2.3	2.2	2.2	21.1	19.1	19.0
Portsmouth-Dover-Rochester .....	20.5	19.9	19.9	3.1	2.8	2.8	29.9	28.5	28.1
<b>New Jersey</b> .....	596.3	558.2	554.4	239.2	234.1	235.3	876.7	849.8	847.9
Atlantic City .....	7.4	7.1	7.2	7.2	7.2	7.3	36.4	40.7	35.3
Bergen-Passaic .....	135.4	127.0	127.2	30.8	28.8	28.9	185.3	176.4	177.1
Camden .....	66.5	62.2	62.2	19.3	19.0	19.1	122.6	116.2	117.4
Jersey City .....	39.4	35.7	35.8	30.5	27.6	27.8	64.0	61.8	61.7
Middlesex-Somerset-Hunterdon .....	107.5	104.7	103.0	42.7	43.6	44.4	134.1	128.5	129.7
Monmouth-Ocean .....	25.4	22.8	22.9	15.4	15.6	15.7	90.7	90.2	87.1
Newark .....	157.4	149.6	147.3	78.1	76.8	76.9	186.7	177.9	177.4
Trenton .....	26.4	25.1	25.2	7.3	7.5	7.5	31.4	29.8	29.6
Vineland-Millville-Bridgeton .....	15.9	15.3	15.2	2.5	2.3	2.4	11.4	10.5	10.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Maine</b> .....	24.9	25.2	25.1	131.2	129.4	128.8	97.6	93.7	97.1
Lewiston-Auburn .....	2.3	2.1	2.1	11.1	10.5	10.8	4.4	4.1	4.2
Portland .....	12.2	12.6	12.6	33.7	32.8	33.2	16.0	15.5	16.4
<b>Maryland</b> .....	131.5	128.9	127.8	627.3	627.7	625.6	427.8	412.0	426.6
Baltimore MSA .....	75.5	74.0	73.9	333.3	333.8	333.9	219.7	211.9	220.1
Baltimore City .....	44.7	43.1	43.1	156.6	154.3	156.3	92.0	90.7	91.1
Suburban Maryland-D.C. ....	46.4	45.3	44.6	234.1	234.8	232.4	165.6	161.6	164.9
<b>Massachusetts</b> .....	212.2	205.5	205.0	926.5	894.8	907.8	388.8	371.0	377.7
Boston .....	143.9	137.0	136.9	595.6	572.0	581.1	196.8	186.5	189.9
Brockton .....	3.2	3.1	3.1	16.5	16.3	16.5	12.0	11.2	11.3
Fall River .....	3.3	3.2	3.1	11.2	11.1	11.1	6.9	6.9	7.0
Fitchburg-Leominster .....	1.4	1.4	1.4	8.8	8.3	8.3	4.6	4.2	4.4
Lawrence-Haverhill .....	5.9	5.5	5.5	36.2	35.2	34.9	20.3	19.5	19.9
Lowell .....	3.3	2.8	2.9	21.1	20.6	20.6	13.0	12.2	12.5
New Bedford .....	2.4	2.4	2.4	14.9	14.8	14.8	9.4	8.5	8.8
Pittsfield .....	1.8	1.8	1.8	12.6	13.0	12.9	4.8	4.4	4.7
Springfield .....	15.2	14.1	14.0	63.4	63.7	64.8	37.5	36.0	36.2
Worcester .....	14.0	13.6	13.6	51.9	49.2	49.8	24.0	22.9	23.3
<b>Michigan</b> .....	191.6	193.2	192.1	951.1	956.6	959.8	642.3	607.2	639.5
Ann Arbor .....	4.7	4.8	4.8	40.8	41.4	41.4	58.3	52.5	57.3
Battle Creek .....	3.4	3.5	3.5	13.3	13.1	13.1	11.7	11.3	11.5
Benton Harbor .....	2.6	2.6	2.6	15.9	15.4	15.9	9.3	9.2	9.4
Detroit .....	113.2	113.6	113.3	528.8	520.6	521.9	237.7	229.5	234.9
Flint .....	6.7	6.5	6.6	37.6	40.0	39.9	23.7	24.6	24.9
Grand Rapids .....	16.2	16.6	16.4	82.3	84.4	85.3	35.4	35.4	35.9
Jackson .....	1.7	1.7	1.7	11.2	11.4	11.3	10.3	9.9	10.1
Kalamazoo .....	5.4	5.7	5.6	29.3	29.6	29.8	19.5	19.1	19.5
Lansing-East Lansing .....	13.0	13.4	13.3	45.2	44.8	44.9	72.0	62.0	72.5
Muskegon .....	1.5	1.5	1.5	12.8	13.4	13.3	9.5	9.3	9.4
Saginaw-Bay City-Midland .....	6.3	6.4	6.3	39.1	39.7	39.2	21.0	21.5	21.8
<b>Minnesota</b> .....	124.7	127.2	126.5	561.9	576.5	577.6	347.3	329.5	350.9
Duluth .....	3.3	3.3	3.3	25.0	26.0	25.8	22.2	21.9	22.1
Minneapolis-St. Paul .....	97.1	99.0	98.4	376.6	386.7	388.1	190.9	181.7	192.9
Rochester .....	1.8	1.8	1.8	28.3	29.6	29.2	6.8	6.5	6.7
St. Cloud .....	2.4	2.6	2.6	18.6	19.0	19.2	13.7	13.1	13.8
<b>Mississippi</b> .....	38.8	38.9	38.6	163.1	168.1	168.6	208.9	208.6	210.6
Jackson .....	14.3	14.1	14.0	44.5	45.5	45.9	42.3	42.1	42.6
<b>Missouri</b> .....	138.9	138.7	138.3	587.6	595.4	596.6	375.8	370.4	378.7
Kansas City .....	59.4	59.1	59.0	199.8	201.0	201.6	123.7	122.8	123.9
St. Louis .....	76.5	75.9	75.5	330.1	336.5	338.6	147.3	145.7	149.3
Springfield .....	5.4	5.4	5.5	33.4	34.1	34.4	15.8	14.8	15.9
<b>Montana</b> .....	13.2	13.6	13.6	76.8	79.3	78.0	72.1	71.6	74.2
<b>Nebraska</b> .....	48.4	50.1	50.3	183.5	196.7	198.4	145.8	150.5	154.0
Lincoln .....	8.5	8.5	8.6	28.9	30.1	30.2	33.5	33.8	34.3
Omaha .....	28.6	29.4	29.4	100.9	106.9	107.1	47.9	50.2	51.9
<b>Nevada</b> .....	28.7	29.0	28.8	279.3	279.2	279.6	80.2	83.4	85.5
Las Vegas .....	18.7	19.0	18.9	183.1	184.3	185.6	41.6	43.7	45.2
Reno .....	7.2	7.4	7.4	58.8	57.6	57.1	19.1	19.6	20.0
<b>New Hampshire</b> .....	31.5	30.8	30.9	129.3	131.1	130.7	76.2	73.0	74.6
Manchester .....	8.4	8.3	8.2	24.1	23.9	24.5	9.0	8.9	8.9
Nashua .....	3.5	3.4	3.5	21.0	21.1	21.5	8.0	7.3	7.5
Portsmouth-Dover-Rochester .....	7.1	7.1	7.2	22.7	23.2	22.7	27.2	24.9	25.8
<b>New Jersey</b> .....	236.9	231.2	229.8	993.9	1,005.2	997.7	571.9	548.8	567.6
Atlantic City .....	6.6	6.5	6.2	82.0	82.6	79.4	27.0	27.9	27.8
Bergen-Passaic .....	37.2	35.4	35.0	165.9	167.9	167.0	69.8	66.1	69.5
Camden .....	24.2	24.0	23.8	119.4	120.6	120.6	77.3	74.7	77.2
Jersey City .....	16.8	16.8	16.8	50.7	50.2	50.0	41.3	39.3	39.7
Middlesex-Somerset-Hunterdon .....	42.2	42.1	41.8	124.0	127.7	128.0	77.7	72.8	76.5
Monmouth-Ocean .....	18.9	18.9	18.7	100.1	105.0	102.4	63.9	64.1	64.4
Newark .....	74.4	71.7	71.7	270.7	271.8	271.9	136.3	128.2	134.6
Trenton .....	11.2	11.2	11.3	61.4	60.1	63.0	56.4	53.1	53.5
Vineland-Millville-Bridgeton .....	4.5	4.4	4.3	11.3	11.9	11.8	12.8	12.5	12.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>New Mexico</b> .....	580.5	586.6	586.6	16.0	15.7	15.8	30.8	30.4	30.6
Albuquerque .....	248.4	250.3	249.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.0	12.6	12.6
Las Cruces .....	44.8	44.3	44.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.0
Santa Fe .....	61.1	61.5	61.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.3	3.3
<b>New York</b> .....	8,230.1	7,928.9	7,955.2	5.7	5.2	5.3	318.7	293.0	286.2
Albany-Schenectady-Troy .....	439.8	430.4	432.4	.4	.3	.3	20.2	18.0	17.6
Binghamton .....	120.3	114.9	116.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	4.6	4.5
Buffalo .....	466.9	460.2	463.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.5	20.2	19.6
Elmira .....	41.8	39.6	39.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.8	1.7
Glens Falls .....	47.5	46.7	46.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.1	2.0
Nassau-Suffolk .....	1,124.5	1,091.4	1,094.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	53.8	49.7	48.4
New York PMSA .....	4,091.2	3,898.3	3,906.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	140.9	125.4	123.0
New York City .....	3,564.3	3,385.8	3,394.2	.2	.1	.1	112.3	99.1	97.2
Niagara Falls .....	88.2	85.4	86.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.2	4.1
Orange County .....	106.5	105.3	105.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.0	3.9
Poughkeepsie .....	121.7	118.1	118.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.2	5.5	5.4
Rochester .....	497.4	488.4	493.3	.8	.7	.8	20.5	18.5	18.0
Rockland County .....	102.5	99.8	100.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	3.8	3.6
Syracuse .....	322.4	312.9	315.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.8	14.9	14.4
Utica-Rome .....	129.0	126.1	125.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.5	4.4
Westchester County .....	405.4	394.0	393.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.4	20.9	20.5
<b>North Carolina</b> .....	3,161.3	3,129.0	3,143.6	5.4	5.2	5.2	165.9	157.0	156.0
Asheville .....	89.6	88.2	89.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	4.5	4.5
Charlotte-Gastonia-Rock Hill .....	635.9	635.2	637.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	37.8	36.8	36.2
Greensboro-Winston-Salem-High Point .....	502.0	492.6	493.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	25.0	23.6	23.5
Raleigh-Durham .....	436.6	432.5	434.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.3	21.6	21.4
<b>North Dakota</b> .....	270.9	274.3	276.2	4.4	4.8	4.7	11.8	12.3	12.1
Bismarck .....	40.8	42.4	42.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.6	2.6
Fargo-Moorhead .....	80.5	80.7	83.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.2	4.1
Grand Forks .....	33.0	33.0	33.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.3	1.3
<b>Ohio</b> .....	4,974.2	4,966.1	4,965.6	17.8	16.7	16.3	213.6	215.6	209.9
Akron .....	291.7	292.6	292.6	.7	.6	.6	11.3	11.2	11.0
Canton .....	167.9	167.2	166.9	.8	.8	.8	8.0	8.2	8.3
Cincinnati .....	753.9	760.7	758.1	.4	.4	.4	34.6	35.4	34.3
Cleveland .....	959.4	957.3	955.2	.8	.5	.5	37.3	37.8	37.1
Columbus .....	735.2	737.3	741.9	1.0	.9	.9	30.9	31.9	30.9
Dayton-Springfield .....	456.4	456.4	455.7	.4	.4	.4	16.5	16.8	16.2
Toledo .....	294.8	292.3	292.4	.2	.2	.2	12.5	12.1	12.1
Youngstown-Warren .....	201.0	199.8	199.3	.4	.3	.3	9.1	8.6	8.4
<b>Oklahoma</b> .....	1,197.7	1,195.0	1,199.8	43.9	41.6	42.0	38.2	35.7	35.2
Enid .....	21.4	21.3	21.6	.9	.8	.8	.6	.6	.6
Lawton .....	35.2	35.1	35.6	.3	.3	.3	.9	.9	1.0
Oklahoma City .....	427.0	430.1	430.6	10.2	9.2	9.4	12.1	11.9	11.4
Tulsa .....	322.6	322.5	325.0	11.9	12.4	12.3	11.7	12.4	12.5
<b>Oregon</b> .....	1,274.1	1,284.4	1,292.6	1.8	1.9	1.8	57.5	58.8	58.2
Eugene-Springfield .....	121.0	116.8	119.5	.2	.2	.2	4.3	4.5	4.4
Medford .....	56.2	55.0	56.4	.1	.1	.1	2.3	2.1	2.1
Portland .....	646.0	653.0	656.9	.6	.6	.6	31.1	31.0	30.4
Salem .....	111.6	113.5	113.7	.1	.1	.1	5.1	5.1	4.9
<b>Pennsylvania</b> .....	5,213.5	5,161.4	5,178.0	27.7	26.5	26.0	239.5	233.4	228.2
Allentown-Bethlehem .....	291.3	289.9	292.3	.5	.5	.5	13.3	12.9	12.8
Altoona .....	54.7	54.8	54.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.5
Beaver County .....	51.3	50.5	51.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.7	2.7
Erie .....	122.4	120.2	120.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.3	4.3
Harrisburg-Lebanon-Carlisle .....	317.4	317.2	316.0	.5	.5	.5	14.3	14.1	14.0
Johnstown .....	85.1	84.1	84.1	2.7	2.6	2.5	4.3	4.6	4.2
Lancaster .....	194.6	189.9	191.9	.4	.4	.4	12.3	12.1	12.1
Philadelphia PMSA .....	2,233.3	2,192.7	2,201.5	1.0	1.1	1.1	101.9	100.3	97.9
Philadelphia City .....	748.3	729.5	734.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.4	14.4	14.2
Pittsburgh .....	930.7	922.9	928.3	4.4	4.1	4.1	47.0	46.2	45.3

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>New Mexico</b> .....	44.1	42.7	42.5	28.7	29.1	29.1	137.1	138.7	138.3
Albuquerque .....	21.2	20.5	20.1	12.9	12.8	12.9	61.4	60.6	60.5
Las Cruces .....	3.6	3.6	3.7	1.6	1.6	1.6	9.4	9.4	9.2
Santa Fe .....	1.9	1.9	1.9	1.1	1.1	1.1	12.0	12.4	12.3
<b>New York</b> .....	1,127.7	1,075.4	1,069.6	434.6	428.6	427.2	1,678.2	1,605.3	1,598.2
Albany-Schenectady-Troy .....	46.7	46.2	46.1	17.4	17.0	17.1	93.5	91.4	91.7
Binghamton .....	33.4	31.5	31.7	4.3	4.3	4.3	25.8	24.6	24.5
Buffalo .....	74.1	71.3	70.7	23.5	23.4	23.5	115.7	115.2	115.8
Elmira .....	8.7	8.1	8.1	1.4	1.5	1.5	10.3	9.8	9.7
Glens Falls .....	10.0	9.7	9.8	1.5	1.7	1.7	10.8	10.9	10.5
Nassau-Suffolk .....	147.9	136.3	135.5	51.6	51.4	51.4	287.2	279.5	277.4
New York PMSA .....	410.3	390.8	387.9	253.5	246.9	246.0	715.7	874.1	672.1
New York City .....	338.3	320.7	318.3	226.5	219.9	218.9	598.1	560.8	559.2
Niagara Falls .....	23.3	21.8	21.8	4.3	4.3	4.3	21.3	21.1	20.8
Orange County .....	13.4	12.8	12.7	6.5	6.6	6.6	28.6	28.2	27.9
Poughkeepsie .....	29.5	28.4	28.5	4.1	3.6	3.6	22.1	21.5	21.6
Rochester .....	133.6	132.6	132.5	15.3	15.5	15.4	105.3	101.9	102.6
Rockland County .....	14.9	14.7	14.8	5.3	5.3	5.3	23.2	22.4	22.4
Syracuse .....	51.2	49.8	49.6	19.6	19.1	19.0	79.3	77.5	78.0
Utica-Rome .....	23.4	21.7	21.8	4.5	4.3	4.3	27.9	27.5	27.2
Westchester County .....	55.0	53.3	52.7	21.0	21.1	21.2	90.0	86.4	86.1
<b>North Carolina</b> .....	858.0	839.8	839.4	153.8	153.6	153.3	727.0	712.0	713.5
Asheville .....	20.8	19.7	19.8	4.1	4.0	4.0	22.2	21.5	21.8
Charlotte-Gastonia-Rock Hill .....	152.2	147.7	147.4	51.9	51.7	51.9	154.5	152.3	152.6
Greensboro-Winston-Salem-High Point .....	148.2	144.8	144.2	26.5	25.3	25.5	115.3	112.5	112.7
Raleigh-Durham .....	63.8	64.2	64.1	21.4	21.5	21.4	90.9	89.3	89.6
<b>North Dakota</b> .....	18.6	18.3	18.8	17.4	17.0	17.1	70.5	72.4	72.3
Bismarck .....	2.3	2.4	2.4	2.9	2.9	2.9	10.3	10.5	10.4
Fargo-Moorhead .....	6.2	6.0	6.0	4.8	4.8	4.9	22.8	23.4	23.5
Grand Forks .....	1.6	1.6	1.7	1.7	1.7	1.7	9.7	9.7	9.8
<b>Ohio</b> .....	1,121.3	1,089.5	1,084.9	222.4	222.5	222.0	1,182.9	1,183.5	1,176.4
Akron .....	68.3	66.4	66.3	14.0	14.0	14.1	69.7	69.1	68.8
Canton .....	44.8	43.0	43.1	5.6	5.8	5.8	42.0	41.9	41.4
Cincinnati .....	149.5	144.1	143.8	41.8	42.5	42.4	190.3	193.0	192.9
Cleveland .....	207.6	200.8	200.4	43.0	43.5	43.3	230.1	228.3	226.8
Columbus .....	106.1	105.4	105.1	31.2	31.0	31.2	186.6	185.0	185.9
Dayton-Springfield .....	102.6	99.0	98.5	18.5	19.0	18.9	102.4	103.7	103.0
Toledo .....	59.5	58.8	58.3	15.0	14.7	14.5	72.5	71.4	71.1
Youngstown-Warren .....	48.9	49.1	48.1	7.3	7.1	7.1	53.7	53.2	53.2
<b>Oklahoma</b> .....	164.3	187.0	167.0	68.2	67.7	67.3	276.2	280.0	278.8
Enid .....	1.6	1.6	1.6	2.0	2.1	2.1	6.0	6.1	6.1
Lawton .....	3.5	3.5	3.5	1.8	1.8	1.8	8.8	9.2	9.4
Oklahoma City .....	45.0	47.5	47.4	21.2	21.0	21.1	103.6	104.4	104.2
Tulsa .....	57.4	56.2	56.3	25.9	26.0	26.1	74.6	75.4	76.2
<b>Oregon</b> .....	219.7	218.8	212.9	84.5	65.4	64.5	318.2	323.3	322.7
Eugene-Springfield .....	20.3	19.3	18.9	4.5	4.5	4.5	30.7	29.9	30.0
Medford .....	8.7	8.0	8.0	3.0	3.0	2.9	17.0	16.7	17.6
Portland .....	104.1	103.7	102.6	37.8	38.7	38.5	166.5	168.1	167.9
Salem .....	17.0	19.2	18.2	2.9	2.9	2.9	24.1	24.6	24.3
<b>Pennsylvania</b> .....	1,009.2	971.0	965.7	272.0	272.3	274.6	1,184.6	1,175.8	1,178.3
Allentown-Bethlehem .....	74.4	74.6	74.3	14.8	14.9	14.9	64.5	64.3	65.0
Altoona .....	10.9	11.1	10.9	4.9	4.9	5.0	14.4	14.3	14.1
Beaver County .....	9.2	8.6	8.7	5.4	5.0	5.0	11.7	12.0	12.0
Erie .....	36.8	35.5	35.4	4.4	4.3	4.3	26.1	25.5	25.3
Harrisburg-Lebanon-Carlisle .....	49.8	48.1	47.7	21.4	21.9	22.1	69.5	68.1	67.5
Johnstown .....	14.4	14.6	14.7	5.6	5.4	5.4	19.0	18.9	18.7
Lancaster .....	57.0	54.7	54.3	7.8	7.6	7.8	47.7	47.4	47.2
Philadelphia PMSA .....	345.6	326.7	326.7	101.4	100.2	100.0	509.2	494.9	496.8
Philadelphia City .....	81.3	76.4	76.8	40.5	40.2	40.2	133.6	125.8	125.0
Pittsburgh .....	119.9	115.3	115.4	55.3	56.0	56.0	226.3	223.9	223.8

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>New Mexico</b> .....	25.9	26.1	26.1	146.3	150.7	149.5	151.6	153.2	154.7
Albuquerque .....	13.8	13.9	14.0	75.4	78.2	77.5	50.7	51.7	51.6
Las Cruces .....	1.6	1.6	1.6	7.9	8.3	8.3	18.6	17.7	18.4
Santa Fe .....	2.3	2.4	2.4	16.3	16.5	16.5	24.2	23.9	24.1
<b>New York</b> .....	766.1	753.4	749.7	2,424.9	2,368.8	2,377.1	1,474.3	1,399.2	1,441.8
Albany-Schenectady-Troy .....	25.5	26.1	26.3	119.8	121.3	121.3	116.3	110.0	112.0
Binghamton .....	4.1	4.0	4.1	25.4	25.3	25.7	21.8	20.5	21.4
Buffalo .....	27.4	27.5	27.5	128.8	130.2	130.3	77.0	72.2	76.5
Elmira .....	1.4	1.5	1.5	10.8	10.2	10.3	7.2	6.8	7.0
Glens Falls .....	1.7	1.6	1.6	11.4	11.4	11.0	9.7	9.2	9.6
Nassau-Suffolk .....	80.8	81.0	80.6	316.8	317.5	317.0	186.5	176.1	183.8
New York PMSA .....	543.2	527.9	525.0	1,337.3	1,275.4	1,282.1	690.2	657.7	670.4
New York City .....	507.7	492.4	489.6	1,174.8	1,113.0	1,120.3	606.3	579.8	590.5
Niagara Falls .....	2.1	2.1	2.1	19.5	19.0	19.5	13.2	12.8	13.5
Orange County .....	5.0	4.8	4.8	24.7	24.9	24.9	23.9	23.9	24.2
Poughkeepsie .....	4.7	4.8	4.7	30.0	30.6	30.7	25.0	23.7	23.9
Rochester .....	23.2	23.3	23.3	129.0	130.9	132.0	69.7	65.0	68.8
Rockland County .....	5.3	5.3	5.2	28.0	28.0	28.3	21.5	20.3	20.7
Syracuse .....	20.7	21.2	21.2	80.8	80.5	80.8	54.0	50.1	52.9
Utica-Rome .....	7.4	7.7	7.7	29.3	29.8	29.9	31.7	30.5	30.1
Westchester County .....	29.4	29.3	29.3	129.4	129.1	128.3	58.3	53.8	55.3
<b>North Carolina</b> .....	135.2	135.1	135.0	610.5	619.6	625.1	505.5	506.7	516.1
Asheville .....	2.9	2.9	2.9	21.6	22.3	22.3	13.4	13.3	13.9
Charlotte-Gastonia-Rock Hill .....	38.2	37.9	37.7	127.4	132.1	133.3	73.9	76.7	78.1
Greensboro-Winston-Salem-High Point .....	24.1	23.8	23.7	106.4	108.9	109.1	56.5	53.7	54.6
Raleigh-Durham .....	24.4	23.8	23.8	116.7	117.0	118.3	97.1	95.1	96.2
<b>North Dakota</b> .....	12.4	12.7	12.6	70.4	71.6	72.1	65.4	65.2	66.5
Bismarck .....	1.5	1.5	1.5	12.8	13.2	13.2	8.9	9.3	9.1
Fargo-Moorhead .....	4.6	4.8	4.8	22.4	22.2	23.1	15.4	15.3	16.7
Grand Forks .....	1.1	1.1	1.1	7.5	7.8	7.8	10.0	9.8	9.8
<b>Ohio</b> .....	255.7	257.8	255.9	1,222.0	1,262.5	1,254.4	738.5	716.1	745.8
Akron .....	10.7	10.9	10.8	70.1	74.8	73.6	46.9	45.6	47.5
Canton .....	6.7	6.5	6.5	40.4	41.8	41.5	19.6	19.2	19.5
Cincinnati .....	43.9	44.1	43.7	198.2	206.2	204.6	95.3	94.9	96.0
Cleveland .....	58.3	58.7	58.4	263.3	268.9	267.6	119.0	118.7	121.2
Columbus .....	60.7	61.0	60.7	187.4	195.6	194.3	131.2	126.5	133.0
Dayton-Springfield .....	17.3	18.0	17.7	120.3	123.2	122.6	78.4	76.2	78.2
Toledo .....	12.2	11.9	11.9	77.5	79.8	78.9	45.4	43.4	45.4
Youngstown-Warren .....	8.2	8.3	8.2	48.2	50.0	48.9	25.1	23.3	25.1
<b>Oklahoma</b> .....	58.9	58.5	58.2	278.3	279.8	279.9	269.7	264.7	271.4
Enid .....	.9	.9	.9	5.3	5.3	5.5	4.1	3.9	4.0
Lawton .....	1.7	1.7	1.7	6.2	6.5	6.3	12.0	11.2	11.6
Oklahoma City .....	24.5	25.1	24.7	107.4	109.5	109.0	103.0	101.5	103.4
Tulsa .....	17.7	17.3	17.5	84.0	84.0	84.1	39.4	38.8	40.0
<b>Oregon</b> .....	80.0	84.3	83.7	302.4	311.3	313.4	230.0	220.6	235.4
Eugene-Springfield .....	5.8	5.7	5.7	29.6	29.8	30.0	25.6	22.9	25.8
Medford .....	2.6	2.6	2.6	12.7	13.3	13.2	9.8	9.2	9.9
Portland .....	51.5	53.3	52.9	168.8	174.2	176.0	85.6	83.4	88.0
Salem .....	6.0	6.0	6.1	24.1	24.8	24.7	32.3	30.8	32.5
<b>Pennsylvania</b> .....	298.7	302.8	299.4	1,466.3	1,493.8	1,497.3	715.5	685.8	708.5
Allentown-Bethlehem .....	14.6	15.0	14.7	77.4	77.8	79.1	31.8	29.9	31.0
Altoona .....	2.2	2.3	2.2	12.3	12.9	12.6	7.5	6.8	7.5
Beaver County .....	1.6	1.6	1.6	12.8	13.0	13.2	8.0	7.6	8.0
Erie .....	5.5	5.7	5.7	30.9	31.4	31.7	14.3	13.5	14.0
Harrisburg-Lebanon-Carlisle .....	21.3	22.7	22.7	71.7	75.4	73.5	68.9	66.4	68.0
Johnstown .....	4.7	4.6	4.6	21.4	21.1	21.5	13.0	12.3	12.5
Lancaster .....	7.9	7.8	7.8	43.7	44.3	45.1	17.8	15.6	17.2
Philadelphia PMSA .....	160.5	161.1	160.4	709.9	716.9	720.2	303.8	291.5	298.4
Philadelphia City .....	63.7	62.7	62.6	271.6	273.0	278.0	141.2	137.0	137.9
Pittsburgh .....	55.1	56.2	56.4	314.3	318.4	319.5	108.4	102.8	107.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	155.6	152.5	153.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.6	7.5	7.3
Scranton—Wilkes-Barre .....	310.3	304.9	307.0	0.6	0.6	0.6	14.6	13.5	13.7
Sharon .....	45.8	43.9	44.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.6	1.6
State College .....	63.1	62.2	63.5	.4	.1	.1	2.9	2.8	2.7
Williamsport .....	51.6	51.3	51.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.2	3.2
York .....	183.3	181.4	183.3	.5	.5	.5	10.6	9.9	9.8
<b>Rhode Island</b> .....	452.1	435.8	438.5	.2	.2	.2	17.9	14.7	14.7
Pawtucket—Woonsocket—Attleboro .....	127.3	121.2	122.0	.2	.2	.2	4.3	3.4	3.4
Providence .....	322.2	310.2	312.6	.1	.1	.1	13.8	11.5	11.6
<b>South Carolina</b> .....	1,570.6	1,563.2	1,565.9	2.1	1.9	1.9	101.4	94.9	94.3
Charleston .....	212.3	217.9	217.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.1	16.1	16.3
Columbia .....	249.3	253.8	255.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.6	12.6	12.6
Greenville—Spartanburg .....	342.6	342.5	343.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	25.9	25.6	25.7
<b>South Dakota</b> .....	294.2	299.9	302.4	2.5	2.6	2.7	13.0	13.9	13.7
Rapid City .....	38.8	40.6	40.3	.2	.2	.2	2.4	2.8	2.8
Sioux Falls .....	76.5	78.8	79.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.4	4.5
<b>Tennessee</b> .....	2,216.2	2,206.3	2,200.5	6.2	6.0	5.9	95.2	88.4	86.7
Chattanooga .....	203.7	203.3	203.9	.6	.6	.6	7.3	7.3	7.3
Johnson City—Kingsport—Bristol .....	174.1	173.7	174.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.9	6.9
Knoxville .....	268.5	265.8	265.5	1.4	1.3	1.3	13.5	12.0	11.9
Memphis .....	481.0	485.1	484.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.6	20.3	20.0
Nashville .....	507.3	509.6	509.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	24.7	24.8	24.5
<b>Texas</b> .....	7,097.5	7,128.2	7,162.2	182.0	177.7	176.1	337.3	346.0	347.6
Abilene .....	48.8	48.6	48.8	1.5	1.4	1.5	1.6	1.6	1.6
Amarillo .....	78.9	78.6	78.1	1.1	.9	.9	3.2	3.0	2.9
Austin .....	383.9	381.4	385.1	.7	.7	.7	12.2	12.4	12.5
Beaumont—Port Arthur .....	144.9	150.3	151.1	1.9	1.9	1.9	11.9	14.5	15.0
Brazoria .....	66.9	69.1	69.2	2.0	1.9	1.9	8.7	9.6	9.6
Brownsville—Harlingen .....	75.2	78.3	78.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.4	2.4
Bryan—College Station .....	55.9	53.4	57.1	.6	.5	.5	1.7	1.9	1.8
Corpus Christi .....	136.8	138.5	138.5	4.1	4.0	4.0	12.9	11.7	11.8
Dallas .....	1,384.5	1,375.6	1,382.7	17.9	17.8	17.7	47.6	46.5	46.7
El Paso .....	209.3	211.4	211.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.8	7.6	7.7
Ft. Worth—Arlington .....	592.9	586.8	586.0	4.6	4.5	4.4	22.6	22.0	21.9
Galveston—Texas City .....	76.8	77.4	77.5	.6	.7	.7	4.3	4.2	4.1
Houston .....	1,618.4	1,636.7	1,639.2	69.5	71.7	70.4	112.5	108.9	109.3
Killeen—Temple .....	74.0	74.8	75.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.4
Laredo .....	45.0	45.4	45.6	1.8	1.8	1.8	1.3	1.2	1.3
Longview—Marshall .....	69.6	68.9	69.2	3.5	3.4	3.4	3.8	3.8	4.0
Lubbock .....	100.0	98.2	99.0	.2	.2	.2	3.5	4.0	4.0
McAllen—Edinburg—Mission .....	102.8	103.4	104.5	.9	.8	.8	4.5	4.3	4.4
Midland .....	44.2	45.2	45.3	9.0	8.8	8.7	1.4	1.5	1.6
Odessa .....	44.3	45.1	45.1	5.3	5.1	5.1	2.1	2.4	2.3
San Angelo .....	36.4	37.1	37.6	.5	.4	.3	1.1	1.1	1.1
San Antonio .....	523.1	523.0	523.6	1.8	1.8	1.7	22.2	22.5	22.5
Sherman—Denison .....	38.5	37.9	37.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.4	1.3
Texarkana .....	46.8	45.8	46.3	.1	.1	.1	1.4	1.3	1.5
Tyler .....	62.6	63.1	63.3	1.6	1.7	1.7	1.9	1.9	1.9
Victoria .....	28.5	29.6	29.7	1.5	1.6	1.5	1.7	1.8	1.8
Waco .....	83.1	83.1	83.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.2	3.2
Wichita Falls .....	50.5	49.9	50.1	1.4	1.4	1.4	1.9	1.7	1.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Pennsylvania-Continued</b>									
Reading .....	46.4	44.1	44.5	6.7	6.7	6.7	34.2	33.9	34.0
Scranton-Wilkes-Barre .....	69.0	67.2	66.6	16.9	16.8	17.0	73.7	73.1	73.3
Sharon .....	12.0	11.5	11.2	2.2	2.1	2.1	11.3	10.7	10.7
State College .....	8.4	8.3	8.3	1.8	1.7	1.7	12.3	12.8	12.8
Williamsport .....	15.1	15.1	15.1	1.7	1.8	1.8	11.7	11.3	11.4
York .....	56.9	56.0	55.9	8.2	8.3	8.4	47.2	46.7	47.2
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	46.1	43.6	44.1	3.7	3.5	3.5	32.7	30.2	29.9
Providence .....	63.2	60.0	60.0	12.1	12.1	12.1	64.6	60.6	60.5
<b>South Carolina</b>									
Charleston .....	21.8	20.6	20.5	10.9	11.6	11.5	52.5	54.5	53.7
Columbia .....	27.3	27.5	27.6	11.8	11.5	11.6	55.9	56.2	55.8
Greenville-Spartanburg .....	99.8	96.2	96.3	14.8	15.2	15.3	79.6	81.1	80.8
<b>South Dakota</b>									
Rapid City .....	4.0	3.9	3.9	1.9	1.9	1.9	11.2	12.1	12.0
Sioux Falls .....	8.8	9.8	9.8	4.9	5.1	5.0	21.7	21.2	21.8
<b>Tennessee</b>									
Chattanooga .....	46.2	44.5	44.7	9.3	9.3	9.2	48.5	48.5	48.7
Johnson City-Kingsport-Bristol .....	53.1	52.8	52.8	6.2	6.4	6.5	40.9	39.6	39.8
Knoxville .....	50.1	48.7	48.8	11.5	11.5	11.5	71.2	69.6	69.5
Memphis .....	62.3	62.8	62.0	48.0	48.5	48.4	126.4	127.0	127.9
Nashville .....	89.5	87.8	88.1	26.9	26.9	26.9	124.6	126.4	126.5
<b>Texas</b>									
Abilene .....	4.5	4.4	4.4	2.8	2.7	2.8	12.8	12.7	12.7
Amarillo .....	8.8	8.9	9.1	5.6	5.6	5.5	22.9	22.7	22.5
Austin .....	49.4	48.7	48.8	11.9	12.1	12.3	77.2	76.8	76.8
Beaumont-Port Arthur .....	25.4	26.0	26.1	9.6	9.6	9.6	33.1	33.7	33.8
Brazoria .....	16.8	17.0	17.1	2.9	3.1	3.1	12.6	13.1	13.1
Brownsville-Harlingen .....	11.5	12.4	12.1	3.2	3.6	3.5	20.1	21.0	21.1
Bryan-College Station .....	3.5	3.5	3.5	1.3	1.4	1.3	11.5	11.2	11.4
Corpus Christi .....	12.2	12.4	12.4	6.6	6.6	6.6	32.2	32.8	32.5
Dallas .....	220.7	211.8	211.9	83.1	84.7	85.1	355.6	355.5	357.2
El Paso .....	42.6	41.8	41.9	11.0	10.6	10.6	52.0	53.2	52.9
Ft. Worth-Arlington .....	118.6	103.8	103.3	56.1	57.7	58.3	151.3	150.8	150.3
Galveston-Texas City .....	8.7	8.6	8.5	5.3	5.4	5.4	15.0	15.6	15.3
Houston .....	176.4	177.7	176.7	111.1	113.0	113.1	372.8	375.4	375.8
Killeen-Temple .....	8.8	8.6	8.6	2.5	2.5	2.5	16.2	16.8	16.9
Laredo .....	1.7	1.5	1.5	6.2	6.4	6.5	14.3	14.0	14.0
Longview-Marshall .....	16.2	16.0	15.9	3.5	3.6	3.6	16.9	17.0	17.1
Lubbock .....	7.1	7.1	6.9	5.5	5.3	5.4	28.9	28.3	28.2
McAllen-Edinburg-Mission .....	14.0	13.0	13.1	3.2	3.1	3.1	31.5	32.1	32.6
Midland .....	2.3	2.5	2.5	2.4	2.5	2.5	10.5	10.8	10.9
Odessa .....	4.3	4.6	4.7	2.0	2.2	2.2	12.7	12.8	12.8
San Angelo .....	5.0	5.1	5.1	2.6	2.7	2.7	9.0	9.2	9.5
San Antonio .....	43.1	43.9	43.5	21.9	22.8	22.6	131.6	132.0	132.1
Sherman-Denison .....	11.1	10.6	10.3	1.6	1.6	1.6	7.9	8.0	8.0
Texarkana .....	7.0	6.5	6.5	2.4	2.4	2.4	11.0	11.0	11.0
Tyler .....	11.3	11.2	11.1	2.8	2.9	2.9	16.0	15.8	15.8
Victoria .....	3.0	3.2	3.1	1.4	1.4	1.4	7.6	7.8	7.9
Waco .....	15.5	15.5	15.5	3.5	3.4	3.4	19.2	19.2	19.2
Wichita Falls .....	8.4	8.0	8.1	2.7	2.7	2.7	11.6	11.5	11.5

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Pennsylvania-Continued</b>									
Reading .....	8.3	8.4	8.4	34.0	34.3	34.8	18.4	17.6	18.2
Scranton-Wilkes-Barre .....	13.8	13.4	13.4	79.1	80.6	80.8	42.6	39.7	41.6
Sharon .....	1.4	1.4	1.4	11.8	11.4	11.6	5.5	5.2	5.5
State College .....	1.9	2.0	1.9	11.0	11.5	11.5	24.4	23.0	24.5
Williamsport .....	2.3	2.4	2.5	10.9	10.7	10.7	7.1	6.8	7.0
York .....	5.2	5.4	5.4	35.4	36.8	36.8	19.3	17.8	19.3
<b>Rhode Island</b>									
.....	27.0	25.9	25.9	130.4	129.7	131.7	64.8	63.7	64.5
Pawtucket-Woonsocket-Attleboro .....	3.6	3.3	3.2	25.2	25.8	26.1	11.5	11.2	11.6
Providence .....	22.6	21.7	21.6	98.3	97.8	99.5	47.5	46.4	47.2
<b>South Carolina</b>									
.....	66.5	66.5	65.8	305.8	317.2	317.3	295.6	294.8	301.0
Charleston .....	7.7	8.0	7.9	47.2	50.1	49.9	56.1	57.0	57.5
Columbia .....	17.9	18.7	18.7	54.3	56.7	57.0	67.5	70.6	71.7
Greenville-Spartanburg .....	12.0	12.0	12.1	66.6	69.0	69.3	43.9	43.4	44.1
<b>South Dakota</b>									
.....	16.3	16.5	16.4	72.9	75.2	74.6	63.7	62.0	64.9
Rapid City .....	1.5	1.5	1.4	10.3	11.1	10.7	7.3	7.1	7.4
Sioux Falls .....	8.1	8.1	8.1	21.5	22.1	22.1	7.7	8.1	8.1
<b>Tennessee</b>									
.....	102.1	101.7	100.8	492.4	503.6	500.5	355.6	354.7	355.7
Chattanooga .....	13.2	13.4	13.4	42.9	43.3	43.5	35.7	36.4	36.5
Johnson City-Kingsport-Bristol .....	5.2	5.2	5.2	35.9	37.0	37.4	26.0	25.8	26.0
Knoxville .....	10.3	10.4	10.3	58.9	61.0	61.1	51.6	51.3	51.1
Memphis .....	25.2	25.3	25.1	121.8	124.1	123.1	76.9	77.1	78.2
Nashville .....	30.6	30.5	30.4	141.1	143.4	143.3	69.9	69.8	70.1
<b>Texas</b>									
.....	429.3	428.1	427.4	1,723.7	1,754.8	1,763.3	1,295.3	1,291.0	1,317.8
Abilene .....	1.9	2.0	2.0	14.5	14.6	14.6	9.2	9.2	9.2
Amarillo .....	4.3	4.3	4.2	17.6	18.2	17.9	15.4	15.0	15.1
Austin .....	23.4	23.3	23.3	98.0	99.6	100.2	111.1	107.8	110.5
Beaumont-Port Arthur .....	5.4	5.5	5.5	36.1	37.4	37.5	21.5	21.7	21.7
Brazoria .....	1.8	1.8	1.8	9.7	10.1	9.9	12.4	12.5	12.7
Brownsville-Harlingen .....	3.4	3.8	3.8	17.0	17.9	17.9	17.8	17.2	17.4
Bryan-College Station .....	1.9	1.8	1.8	10.7	10.8	10.8	24.7	22.3	26.0
Corpus Christi .....	8.3	6.2	6.2	32.3	34.0	33.9	30.2	30.8	31.1
Dallas .....	125.0	122.3	122.3	372.2	374.6	376.7	162.2	162.4	165.1
El Paso .....	8.3	8.1	8.1	43.5	45.2	44.8	44.1	44.9	45.8
Ft. Worth-Arlington .....	27.3	26.6	26.6	135.7	142.2	141.6	76.7	79.2	79.6
Galveston-Texas City .....	5.1	5.1	5.1	15.1	15.4	15.2	22.7	22.4	23.2
Houston .....	103.4	101.4	100.7	463.2	475.5	476.4	209.5	213.1	216.8
Killeen-Temple .....	3.4	3.5	3.4	17.6	17.9	18.0	23.0	23.0	23.2
Laredo .....	1.8	1.7	1.7	8.0	8.4	8.4	9.9	10.4	10.4
Longview-Marshall .....	2.6	2.8	2.6	14.2	14.1	14.0	8.9	8.4	8.6
Lubbock .....	5.5	5.6	5.7	25.7	24.8	25.1	23.6	22.9	23.5
McAllen-Edinburg-Mission .....	4.0	3.9	3.9	17.9	18.4	18.6	26.6	27.8	28.0
Midland .....	2.3	2.2	2.3	9.3	9.8	9.7	7.0	7.1	7.1
Odessa .....	1.5	1.3	1.2	8.2	8.4	8.5	8.2	8.3	8.3
San Angelo .....	1.5	1.6	1.6	9.0	9.4	9.6	7.7	7.6	7.7
San Antonio .....	39.3	37.5	37.6	141.5	141.2	141.1	121.7	121.3	122.5
Sherman-Denison .....	2.1	2.1	2.1	9.8	9.7	9.7	4.5	4.5	4.5
Texarkana .....	1.8	1.7	1.7	11.2	11.4	11.4	11.9	11.4	11.7
Tyler .....	3.5	3.4	3.4	15.9	16.5	16.5	9.6	9.7	10.0
Victoria .....	1.6	1.6	1.6	6.5	6.8	6.8	5.2	5.4	5.6
Waco .....	5.3	5.2	5.2	23.0	23.0	23.5	13.6	13.6	13.6
Wichita Falls .....	2.1	2.1	2.1	12.7	12.9	12.9	9.7	9.6	9.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Utah</b> .....	736.8	757.5	760.0	8.7	8.7	8.7	30.0	33.9	33.2
Provo-Orem .....	98.0	102.0	103.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	4.8	4.8
Salt Lake City-Ogden .....	500.9	513.9	514.0	2.9	3.0	3.0	20.9	23.6	23.6
<b>Vermont</b> .....	260.1	252.6	253.7	.6	.5	.5	16.0	13.1	12.9
Barre-Montpelier .....	34.3	34.2	34.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.1
Burlington .....	81.1	78.2	79.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	3.7	3.6
<b>Virginia</b> .....	2,908.3	2,869.6	2,879.0	15.6	14.6	14.5	180.9	163.7	162.5
Bristol .....	34.1	35.1	35.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.3	1.3
Charlottesville .....	73.5	72.3	72.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	3.9	3.8
Danville .....	42.0	41.4	41.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.0
Lynchburg .....	77.9	75.5	75.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.6	3.5
Norfolk-Virginia Beach-Newport News .....	589.1	581.7	583.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	34.6	32.8	33.0
Northern Virginia .....	774.8	757.2	758.7	.6	.5	.5	50.5	42.5	41.8
Richmond-Petersburg .....	479.8	475.8	477.4	.7	.6	.6	31.3	29.3	29.5
Roanoke .....	129.8	127.7	128.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.9	7.4	7.1
<b>Washington</b> .....	2,198.9	2,200.3	2,198.3	3.9	3.7	3.7	127.9	123.2	120.6
Seattle .....	1,123.0	1,137.8	1,138.7	.6	.6	.6	63.8	66.2	65.4
<b>West Virginia</b> .....	634.1	632.8	638.0	35.5	33.4	33.3	28.9	30.6	30.1
Charleston .....	112.9	113.1	113.3	2.1	2.2	2.2	5.3	5.2	5.3
Huntington-Ashland .....	112.0	111.2	112.0	1.5	1.6	1.6	5.0	5.4	5.3
Parkersburg-Marietta .....	62.2	62.8	62.4	.5	.5	.5	3.0	3.0	2.9
Wheeling .....	60.8	60.4	60.6	2.3	2.3	2.2	2.2	2.0	2.0
<b>Wisconsin</b> .....	2,314.6	2,322.9	2,330.0	2.6	2.4	2.4	84.8	86.2	86.3
Appleton-Oshkosh-Neenah .....	164.2	166.7	167.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4	8.5	8.5
Eau Claire .....	58.9	60.0	61.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	3.2	3.2
Green Bay .....	107.3	110.8	111.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	6.3	6.3
Janesville-Beloit .....	60.3	58.5	58.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.2	1.2
Kenosha .....	42.7	44.2	44.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.0	1.9
La Crosse .....	53.4	52.0	53.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.3	1.2
Madison .....	225.1	227.6	229.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.7	8.8	8.7
Milwaukee .....	759.3	763.7	766.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.6	26.5	26.6
Racine .....	77.3	77.7	76.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.1	2.2
Sheboygan .....	52.0	54.9	54.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.8	1.9
Wausau .....	52.8	54.6	54.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.8	2.8
<b>Wyoming</b> .....	202.8	208.9	204.6	18.6	19.1	19.1	11.9	13.4	12.3
Casper .....	29.3	29.4	29.4	2.6	2.7	2.6	1.7	2.0	1.9
<b>Puerto Rico</b> .....	837.2	837.6	842.9	1.0	.9	.9	45.3	46.8	46.6
Caguas .....	54.0	54.3	55.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.5
Mayaguez .....	57.7	57.4	57.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.2	2.2
Ponce .....	55.3	55.4	55.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.4	3.3
San Juan .....	518.4	516.5	519.6	.6	.5	.5	31.7	34.2	34.1
<b>Virgin Islands</b> .....	43.0	40.9	41.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	3.1	3.0

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Utah</b> .....	109.2	108.4	107.8	42.8	43.3	43.3	175.9	180.4	180.3
Provo-Orem .....	14.4	14.2	14.2	2.4	2.4	2.4	23.6	23.6	23.7
Salt Lake City-Ogden .....	69.3	69.4	68.7	33.2	33.8	33.7	123.0	125.8	125.5
<b>Vermont</b> .....	45.6	44.0	43.9	11.1	10.9	10.8	60.5	57.7	58.0
Barre-Montpelier .....	4.6	4.4	4.4	.9	1.0	.9	7.3	7.1	7.1
Burlington .....	15.5	14.7	14.6	3.5	3.3	3.2	19.5	19.4	19.7
<b>Virginia</b> .....	420.7	415.8	416.0	149.9	148.3	148.4	658.8	642.1	643.1
Bristol .....	10.0	10.9	10.7	1.5	1.6	1.6	8.9	8.7	8.7
Charlottesville .....	8.8	8.5	8.2	2.6	2.6	2.6	15.2	14.9	14.8
Danville .....	16.0	15.6	15.6	1.1	1.2	1.2	8.7	8.5	8.5
Lynchburg .....	23.7	22.9	22.9	2.9	2.8	2.8	16.8	15.9	16.0
Norfolk-Virginia Beach-Newport News .....	66.9	65.6	65.9	28.1	27.9	28.1	142.4	138.4	139.2
Northern Virginia .....	35.4	32.8	32.7	51.6	48.8	48.5	173.6	170.5	170.9
Richmond-Petersburg .....	64.8	63.8	64.2	24.2	23.7	23.9	108.4	107.3	107.0
Roanoke .....	19.8	19.0	18.9	8.3	8.3	8.3	36.3	35.0	35.8
<b>Washington</b> .....	372.7	370.0	366.7	115.9	116.1	114.7	528.4	524.0	518.7
Seattle .....	222.6	222.9	222.0	69.8	70.2	69.9	264.7	267.1	264.9
<b>West Virginia</b> .....	86.4	83.8	83.8	37.5	37.3	37.2	147.8	145.6	145.3
Charleston .....	10.6	10.9	10.8	9.2	9.2	9.2	29.7	29.3	29.2
Huntington-Ashland .....	20.5	19.4	19.5	8.1	7.6	7.6	28.4	28.6	28.5
Parkersburg-Marietta .....	14.5	14.1	14.0	2.4	2.5	2.4	15.0	15.3	15.3
Wheeling .....	7.4	7.2	7.3	3.4	3.3	3.2	16.2	16.2	16.0
<b>Wisconsin</b> .....	564.2	559.1	552.7	109.5	111.6	111.8	544.8	541.4	541.1
Appleton-Oshkosh-Neenah .....	53.8	54.3	53.5	6.5	6.5	6.7	36.0	36.2	36.3
Eau Claire .....	10.7	10.6	10.9	3.2	3.3	3.2	15.6	16.0	16.1
Green Bay .....	23.8	24.0	23.8	7.8	8.3	8.1	27.4	27.2	27.3
Janesville-Beloit .....	19.2	17.2	17.1	2.5	2.1	2.1	14.6	14.8	14.8
Kenosha .....	10.0	9.7	9.7	1.4	1.4	1.5	11.6	12.5	12.6
La Crosse .....	10.6	9.5	10.5	2.5	2.5	2.5	14.3	14.4	14.5
Madison .....	26.4	26.6	26.5	8.6	8.9	9.0	51.1	51.1	51.9
Milwaukee .....	173.5	171.5	171.6	37.8	38.3	38.6	172.0	172.1	171.9
Racine .....	26.2	25.4	24.6	2.3	2.3	2.4	17.9	18.4	18.2
Sheboygan .....	21.9	23.2	23.0	1.7	1.6	1.6	10.0	10.0	9.8
Wausau .....	15.2	15.0	14.9	3.2	3.3	3.3	12.5	12.9	12.9
<b>Wyoming</b> .....	10.3	10.1	10.3	14.6	14.5	14.5	45.4	46.9	45.7
Casper .....	1.8	1.7	1.8	1.8	1.8	1.7	8.0	8.0	8.1
<b>Puerto Rico</b> .....	153.7	151.7	151.5	21.4	19.3	19.2	156.5	152.9	154.4
Caguas .....	15.3	16.0	16.2	.5	.6	.6	11.4	10.9	11.1
Mayaguez .....	19.1	17.7	17.1	.5	.6	.6	8.5	8.5	8.8
Ponce .....	10.3	10.3	10.2	1.4	1.3	1.2	8.6	8.6	8.8
San Juan .....	65.6	63.5	63.7	17.1	16.1	16.1	107.0	104.9	105.4
<b>Virgin Islands</b> .....	2.5	2.6	2.6	2.4	2.4	2.3	9.3	8.9	9.0

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Utah</b> .....	34.0	36.0	35.7	184.1	194.0	193.9	152.1	152.8	157.1
Provo-Orem .....	2.3	2.4	2.5	37.4	39.0	39.5	14.7	15.6	16.0
Salt Lake City-Ogden .....	28.1	30.1	30.1	124.0	129.0	128.6	99.5	99.2	100.8
<b>Vermont</b> .....	11.9	11.1	11.0	69.2	70.2	70.5	45.2	45.1	46.1
Barre-Montpelier .....	2.6	2.5	2.5	8.3	8.4	8.6	8.5	8.7	8.8
Burlington .....	4.1	3.7	3.6	20.8	20.9	21.3	12.9	12.5	13.1
<b>Virginia</b> .....	152.7	150.8	150.1	743.1	758.0	756.0	586.6	576.3	588.4
Bristol .....	1.1	1.1	1.1	5.5	5.7	5.6	5.8	5.8	6.1
Charlottesville .....	3.6	3.5	3.4	14.6	15.2	15.5	24.5	23.7	24.5
Danville .....	1.4	1.4	1.4	7.1	7.1	7.1	5.6	5.5	5.6
Lynchburg .....	3.4	3.4	3.4	17.3	17.1	16.8	10.0	9.8	9.9
Norfolk-Virginia Beach-Newport News .....	26.9	26.1	26.0	151.8	155.3	154.2	138.4	135.6	136.8
Northern Virginia .....	50.4	49.3	49.2	263.8	265.8	265.9	148.9	147.0	149.2
Richmond-Petersburg .....	40.4	39.4	38.9	111.4	114.4	112.8	98.6	97.3	100.5
Roanoke .....	8.5	8.5	8.4	33.2	34.0	34.3	15.8	15.5	15.8
<b>Washington</b> .....	118.4	118.5	117.9	525.5	538.4	534.0	406.2	406.4	422.0
Seattle .....	74.6	75.7	75.3	278.1	286.7	286.9	148.8	148.4	153.7
<b>West Virginia</b> .....	24.6	24.8	24.7	149.0	154.5	155.4	124.4	122.8	128.2
Charleston .....	6.5	6.5	6.5	29.6	30.4	30.4	19.9	19.4	19.7
Huntington-Ashland .....	3.9	3.9	3.9	25.2	25.9	26.0	19.4	18.8	19.6
Parkersburg-Marietta .....	2.2	2.3	2.2	15.0	15.4	15.3	9.6	9.7	9.8
Wheeling .....	3.0	3.1	3.1	17.1	17.4	17.5	9.2	8.9	9.3
<b>Wisconsin</b> .....	120.4	122.8	122.3	537.9	556.4	557.4	350.5	343.1	355.9
Appleton-Oshkosh-Neenah .....	7.9	8.2	8.2	33.5	35.6	35.5	18.2	17.4	18.6
Eau Claire .....	1.8	1.8	1.8	13.2	13.7	13.7	11.9	11.5	12.1
Green Bay .....	5.8	6.7	6.8	25.3	25.8	25.9	11.7	12.6	13.1
Janesville-Beloit .....	1.7	1.6	1.5	13.5	14.7	14.5	7.5	7.0	7.3
Kenosha .....	1.4	1.4	1.4	9.9	10.4	10.6	6.6	6.8	6.6
La Crosse .....	1.6	1.6	1.6	15.1	15.3	15.5	7.7	7.4	7.9
Madison .....	19.3	19.6	19.5	49.4	50.8	50.7	61.6	61.8	63.0
Milwaukee .....	50.5	51.2	50.9	211.1	217.0	218.2	87.8	86.9	89.0
Racine .....	2.2	2.3	2.3	17.7	18.6	18.3	8.5	8.7	8.8
Sheboygan .....	2.2	2.1	2.1	9.3	10.4	9.9	5.4	5.7	5.7
Wausau .....	3.6	4.0	3.9	9.7	10.0	10.2	6.3	6.6	6.8
<b>Wyoming</b> .....	7.2	7.3	7.3	37.9	41.9	38.3	56.9	55.7	57.1
Casper .....	1.4	1.4	1.3	6.9	6.7	6.8	5.1	5.1	5.2
<b>Puerto Rico</b> .....	36.8	36.0	36.1	134.3	137.8	139.3	288.2	292.0	294.9
Caguas .....	1.3	1.3	1.2	7.7	8.0	8.4	16.3	16.1	16.2
Mayaguez .....	1.5	1.4	1.4	7.4	8.2	8.3	18.5	18.8	18.9
Ponce .....	1.8	1.8	1.7	11.9	12.3	12.4	17.4	17.7	17.6
San Juan .....	29.3	28.8	28.8	94.8	96.2	97.0	172.2	172.4	174.0
<b>Virgin Islands</b> .....	2.1	2.0	2.0	9.0	8.5	8.7	13.5	13.4	13.5

<sup>1</sup> Combined with construction.

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication.  
All State and area data have been adjusted to March 1990 benchmarks.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1964 .....	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965 .....	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966 .....	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967 .....	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968 .....	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969 .....	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970 .....	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971 .....	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972 .....	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973 .....	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974 .....	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975 .....	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976 .....	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977 .....	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978 .....	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979 .....	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980 .....	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981 .....	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982 .....	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983 .....	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984 .....	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985 .....	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986 .....	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987 .....	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988 .....	34.7	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989 .....	34.6	9.66	334.24	43.0	13.26	570.18	37.9	13.54	513.17
1990 .....	34.5	10.02	345.69	44.1	13.69	603.73	38.2	13.78	526.40
<b>Monthly data, not seasonally adjusted</b>									
<b>1990:</b>									
November .....	34.3	\$10.16	\$348.49	45.0	\$13.82	\$621.90	38.2	\$13.87	\$529.83
December .....	34.7	10.19	353.59	45.5	13.88	631.54	38.3	13.92	533.14
<b>1991:</b>									
January .....	33.7	10.22	344.41	44.4	14.20	630.48	36.2	14.02	507.52
February .....	33.9	10.23	346.80	44.4	14.10	626.04	37.0	13.93	515.41
March .....	34.0	10.24	348.16	44.0	14.09	619.96	37.2	13.93	518.20
April .....	34.0	10.30	350.20	43.9	14.12	619.87	37.8	13.99	528.82
May .....	34.2	10.31	352.60	44.3	14.10	624.63	38.2	13.96	533.27
June .....	34.7	10.31	357.76	45.0	14.24	640.80	38.7	13.88	537.16
July .....	34.5	10.30	355.35	43.6	14.20	619.12	38.6	13.97	539.24
August .....	34.7	10.31	357.76	44.5	14.16	630.12	38.7	14.03	542.96
September .....	34.7	10.46	362.96	44.8	14.35	642.88	39.0	14.15	551.85
October <sup>p</sup> .....	34.4	10.44	359.14	44.7	14.12	631.16	39.1	14.14	552.87
November <sup>p</sup> .....	34.3	10.46	368.78	44.4	14.20	630.48	37.6	13.95	524.52

See footnotes at end of table.



**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date—Continued**

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>										
1964 .....	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965 .....	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.08
1966 .....	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967 .....	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.87	115.66
1968 .....	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.90
1969 .....	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970 .....	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.43	136.86
1971 .....	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.42
1972 .....	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973 .....	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.54
1974 .....	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	169.94
1975 .....	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1976 .....	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
1977 .....	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978 .....	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979 .....	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980 .....	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.4	6.95	266.88
1981 .....	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.68
1982 .....	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.46
1983 .....	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.79
1984 .....	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.88
1985 .....	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.36
1986 .....	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.72
1987 .....	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988 .....	41.1	10.19	9.73	418.81	38.8	12.26	475.69	38.1	9.98	380.24
1989 .....	41.0	10.48	10.02	429.68	38.9	12.60	490.14	38.0	10.39	394.82
1990 .....	40.8	10.83	10.37	441.86	38.9	12.96	504.14	38.1	10.79	411.10
<b>Monthly data, not seasonally adjusted</b>										
<b>1990:</b>										
November .....	40.8	\$10.96	\$10.48	\$447.17	38.8	\$13.09	\$507.89	38.0	\$10.93	\$415.34
December .....	41.3	11.05	10.57	456.37	39.1	13.14	513.77	38.4	11.04	423.94
<b>1991:</b>										
January .....	40.2	11.05	10.62	444.21	38.2	13.18	503.48	37.7	11.04	416.21
February .....	39.9	11.02	10.61	439.70	38.3	13.17	504.41	37.7	11.08	417.72
March .....	40.1	11.06	10.64	443.51	38.3	13.15	503.65	37.9	11.06	419.17
April .....	40.1	11.11	10.69	445.51	38.4	13.19	506.50	37.9	11.12	421.45
May .....	40.3	11.15	10.72	449.35	38.6	13.17	508.36	38.1	11.11	423.29
June .....	40.9	11.19	10.71	457.67	39.1	13.16	514.56	38.5	11.19	430.82
July .....	40.4	11.22	10.74	453.29	38.9	13.25	515.43	38.1	11.14	424.43
August .....	40.9	11.17	10.67	456.85	38.9	13.26	515.81	38.2	11.14	425.55
September .....	41.4	11.27	10.73	466.58	39.1	13.32	520.81	38.4	11.24	431.62
October <sup>a</sup> .....	41.1	11.25	10.74	462.38	38.8	13.29	515.65	38.2	11.18	427.08
November <sup>b</sup> .....	41.2	11.30	10.78	465.56	38.6	13.34	514.92	38.1	11.25	428.63

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**C-1. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date—Continued**

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1964 .....	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965 .....	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966 .....	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967 .....	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968 .....	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969 .....	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970 .....	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971 .....	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972 .....	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973 .....	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974 .....	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975 .....	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987 .....	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988 .....	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989 .....	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990 .....	28.8	6.76	194.69	35.8	9.97	356.93	32.6	9.83	320.46
<b>Monthly data, not seasonally adjusted</b>									
<b>1990:</b>									
November .....	28.4	\$6.86	\$194.82	35.6	\$10.12	\$360.27	32.4	\$10.02	\$324.65
December .....	29.2	6.84	199.73	36.2	10.24	370.69	32.7	10.11	330.60
<b>1991:</b>									
January .....	27.6	6.90	190.44	35.7	10.24	365.57	32.1	10.12	324.85
February .....	28.0	6.89	192.92	35.8	10.30	368.74	32.3	10.14	327.52
March .....	28.1	6.91	194.17	35.6	10.33	367.75	32.3	10.16	328.17
April .....	28.3	6.98	197.53	35.6	10.36	368.82	32.3	10.19	329.14
May .....	28.6	6.97	199.34	35.5	10.36	367.78	32.3	10.21	329.78
June .....	29.2	6.98	203.82	36.2	10.42	377.20	32.8	10.19	334.23
July .....	29.3	6.98	204.51	35.6	10.36	368.82	32.6	10.13	330.24
August .....	29.3	6.97	204.22	35.7	10.37	370.21	32.7	10.15	331.91
September .....	28.8	7.07	203.62	36.1	10.53	380.13	32.6	10.33	336.76
October <sup>p</sup> .....	28.5	7.07	201.50	35.5	10.48	372.04	32.4	10.33	334.69
November <sup>p</sup> .....	28.5	7.12	202.92	35.6	10.53	374.87	32.4	10.39	336.64

<sup>1</sup> 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.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Total private</b> .....		34.3	34.3	34.7	34.4	34.3	-	-	-	-	-
<b>Mining</b> .....		44.6	45.0	44.8	44.7	44.4	-	-	-	-	-
Metal mining .....	10	42.3	42.3	43.5	43.3	-	-	-	-	-	-
Iron ores .....	101	44.5	42.7	41.9	43.5	-	-	-	-	-	-
Copper ores .....	102	45.3	45.1	45.3	44.9	-	-	-	-	-	-
Coal mining .....	12	44.8	44.1	45.4	44.7	-	-	-	-	-	-
Bituminous coal and lignite mining .....	122	44.8	44.0	45.5	44.8	-	-	-	-	-	-
Oil and gas extraction .....	13	44.7	45.6	44.4	44.5	-	-	-	-	-	-
Crude petroleum and natural gas .....	131	41.3	44.1	42.9	41.0	-	-	-	-	-	-
Oil and gas field services .....	138	46.6	46.4	45.4	46.7	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	45.4	45.3	46.0	46.0	-	-	-	-	-	-
Crushed and broken stone .....	142	45.8	45.9	46.4	46.5	-	-	-	-	-	-
<b>Construction</b> .....		38.0	38.2	39.0	39.1	37.6	-	-	-	-	-
General building contractors .....	15	37.3	37.6	38.1	38.3	-	-	-	-	-	-
Residential building construction .....	152	36.2	36.6	36.8	37.1	-	-	-	-	-	-
Operative builders .....	153	37.2	36.6	38.5	38.5	-	-	-	-	-	-
Nonresidential building construction .....	154	38.4	38.5	39.4	39.5	-	-	-	-	-	-
Heavy construction, except building .....	16	41.2	41.9	43.8	43.9	-	-	-	-	-	-
Highway and street construction .....	161	41.8	42.7	44.7	45.3	-	-	-	-	-	-
Heavy construction, except highway .....	162	40.8	41.5	43.2	43.2	-	-	-	-	-	-
Special trade contractors .....	17	37.4	37.4	38.0	38.1	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	38.6	38.0	38.9	38.8	-	-	-	-	-	-
Painting and paper hanging .....	172	36.2	36.5	36.7	37.6	-	-	-	-	-	-
Electrical work .....	173	39.4	38.7	39.3	39.2	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	35.3	35.4	35.8	35.7	-	-	-	-	-	-
Carpentry and floor work .....	175	35.1	35.6	35.5	35.2	-	-	-	-	-	-
Roofing, siding, and sheet metal work .....	176	33.9	35.1	35.9	36.2	-	-	-	-	-	-
<b>Manufacturing</b> .....		40.9	40.8	41.4	41.1	41.2	3.8	3.8	4.2	3.9	4.0
<b>Durable goods</b> .....		41.4	41.3	41.8	41.6	41.6	3.8	3.7	4.1	3.9	3.9
Lumber and wood products .....	24	40.2	39.4	40.9	40.4	40.3	3.4	3.2	3.7	3.5	-
Logging .....	241	41.4	38.9	42.5	40.7	-	5.4	4.3	5.2	4.9	-
Sawmills and planing mills .....	242	41.1	40.2	41.8	41.7	-	4.1	3.7	4.5	4.3	-
Sawmills and planing mills, general .....	2421	41.5	40.6	42.1	42.1	-	4.4	4.1	4.6	4.6	-
Hardwood dimension and flooring mills .....	2426	39.6	38.8	40.8	40.3	-	2.7	2.3	4.0	3.2	-
Millwork, plywood, and structural members .....	243	39.4	39.2	40.4	40.1	-	2.6	2.5	3.0	3.0	-
Millwork .....	2431	39.2	38.7	40.0	39.6	-	2.2	2.0	2.6	2.5	-
Wood kitchen cabinets .....	2434	38.7	39.0	39.5	39.4	-	2.3	2.5	2.6	2.6	-
Hardwood veneer and plywood .....	2435	40.8	39.5	41.1	41.6	-	3.4	3.1	3.9	4.3	-
Softwood veneer and plywood .....	2436	40.9	41.4	42.5	41.6	-	3.7	3.9	4.3	3.9	-
Wood containers .....	244	39.6	39.5	39.7	39.1	-	3.3	3.0	3.3	2.7	-
Wood buildings and mobile homes .....	245	38.8	37.8	38.4	37.6	-	2.1	2.2	2.3	2.1	-
Mobile homes .....	2451	38.6	37.4	38.3	37.6	-	2.1	2.0	2.1	1.9	-
Miscellaneous wood products .....	249	40.3	39.9	40.6	40.3	-	3.1	3.1	3.4	3.4	-
Furniture and fixtures .....	25	39.2	38.9	39.9	39.5	39.0	2.6	2.3	3.2	2.9	-
Household furniture .....	251	38.3	37.9	39.2	38.9	-	2.2	1.7	2.6	2.5	-
Wood household furniture .....	2511	38.8	38.4	39.6	39.6	-	2.4	2.0	2.8	2.7	-
Upholstered household furniture .....	2512	37.2	36.9	37.8	38.0	-	1.8	1.3	2.1	2.1	-
Metal household furniture .....	2514	40.6	39.9	41.1	40.4	-	2.9	2.6	3.2	2.7	-
Mattresses and bedsprings .....	2515	37.8	37.4	40.9	37.8	-	1.8	1.4	3.3	2.1	-
Office furniture .....	252	40.8	39.6	38.7	38.3	-	2.9	3.0	2.6	2.6	-
Public building and related furniture .....	253	40.5	41.4	43.1	42.5	-	3.5	3.5	5.8	4.9	-
Partitions and fixtures .....	254	41.2	40.9	42.5	41.4	-	3.7	3.5	4.9	3.8	-
Miscellaneous furniture and fixtures .....	259	39.0	40.0	39.7	39.3	-	2.2	2.8	3.2	2.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Total private</b> .....		\$10.14	\$10.16	\$10.46	\$10.44	\$10.46	\$347.80	\$348.49	\$362.96	\$359.14	\$358.78
<b>Mining</b> .....		13.73	13.82	14.35	14.12	14.20	612.36	621.90	642.88	631.16	630.48
Metal mining .....	10	14.41	14.32	15.04	14.95	-	609.54	605.74	654.24	647.34	-
Iron ores .....	101	15.26	15.35	15.92	15.96	-	679.07	655.45	667.05	694.26	-
Copper ores .....	102	12.89	12.93	13.62	13.50	-	583.92	583.14	616.99	606.15	-
Coal mining .....	12	16.77	16.87	17.15	16.92	-	751.30	743.97	778.61	756.32	-
Bituminous coal and lignite mining .....	122	16.91	17.03	17.29	17.05	-	757.57	749.32	786.70	763.84	-
Oil and gas extraction .....	13	12.93	13.09	13.74	13.46	-	577.97	596.90	610.06	598.97	-
Crude petroleum and natural gas .....	131	16.27	16.44	16.89	16.62	-	671.95	725.00	724.58	681.42	-
Oil and gas field services .....	138	11.28	11.35	11.84	11.67	-	525.65	526.64	537.54	544.99	-
Nonmetallic minerals, except fuels .....	14	11.72	11.74	12.07	11.99	-	532.09	531.82	555.22	551.54	-
Crushed and broken stone .....	142	11.30	11.25	11.51	11.33	-	517.54	516.38	534.06	526.85	-
<b>Construction</b> .....		13.97	13.87	14.15	14.14	13.95	530.86	529.83	551.85	552.87	524.52
General building contractors .....	15	13.21	13.12	13.39	13.37	-	492.73	493.31	510.16	512.07	-
Residential building construction .....	152	12.30	12.18	12.32	12.31	-	445.26	445.79	453.38	456.70	-
Operative builders .....	153	13.39	13.35	14.34	14.54	-	498.11	488.61	552.09	559.79	-
Nonresidential building construction .....	154	14.01	13.94	14.33	14.29	-	537.98	536.69	564.60	564.46	-
Heavy construction, except building .....	16	13.66	13.50	14.12	14.15	-	562.79	565.65	618.46	621.19	-
Highway and street construction .....	161	13.48	13.28	14.02	13.90	-	563.46	567.06	626.69	629.67	-
Heavy construction, except highway .....	162	13.76	13.60	14.18	14.29	-	561.41	564.40	612.58	617.33	-
Special trade contractors .....	17	14.35	14.28	14.44	14.43	-	536.69	534.07	548.72	549.78	-
Plumbing, heating, and air conditioning .....	171	14.64	14.51	14.81	14.79	-	565.10	551.38	576.11	573.85	-
Painting and paper hanging .....	172	12.97	12.84	13.17	13.24	-	469.51	468.66	483.34	497.82	-
Electrical work .....	173	15.28	15.25	15.38	15.37	-	602.03	590.18	604.43	602.50	-
Masonry, stonework, and plastering .....	174	14.48	14.34	14.57	14.48	-	511.14	507.64	521.61	516.94	-
Carpentry and floor work .....	175	14.00	14.06	14.61	14.63	-	491.40	500.54	518.66	514.98	-
Roofing, siding, and sheet metal work .....	176	12.40	12.37	12.36	12.26	-	420.36	434.19	443.72	443.81	-
<b>Manufacturing</b> .....		10.94	10.96	11.27	11.25	11.30	447.45	447.17	466.58	462.38	465.56
<b>Durable goods</b> .....		11.50	11.47	11.89	11.87	11.89	476.10	473.71	497.00	493.79	494.62
Lumber and wood products .....	24	9.14	9.11	9.41	9.37	9.36	367.43	358.93	384.87	378.55	377.21
Logging .....	241	11.37	11.11	11.34	11.39	-	470.72	432.18	481.95	463.57	-
Sawmills and planing mills .....	242	9.23	9.21	9.53	9.49	-	379.35	370.24	398.35	395.73	-
Sawmills and planing mills, general .....	2421	9.58	9.56	9.88	9.85	-	397.57	388.14	415.95	414.69	-
Hardwood dimension and flooring mills .....	2426	7.58	7.59	8.02	7.90	-	300.17	294.49	327.22	318.37	-
Millwork, plywood, and structural members .....	243	9.06	9.14	9.38	9.32	-	356.96	358.29	378.95	373.73	-
Millwork .....	2431	9.36	9.43	9.66	9.57	-	366.91	364.94	386.40	378.97	-
Wood kitchen cabinets .....	2434	8.52	8.64	8.91	8.90	-	329.72	336.96	351.95	350.66	-
Hardwood veneer and plywood .....	2435	7.79	7.73	7.95	8.04	-	317.83	305.34	326.75	334.46	-
Softwood veneer and plywood .....	2436	10.31	10.31	10.59	10.44	-	421.68	426.83	450.08	434.30	-
Wood containers .....	244	6.68	6.65	6.80	6.74	-	264.53	262.68	269.96	263.53	-
Wood buildings and mobile homes .....	245	8.70	8.73	9.10	9.13	-	337.56	329.99	349.44	343.29	-
Mobile homes .....	2451	8.78	8.76	9.15	9.17	-	338.91	327.62	350.45	344.79	-
Miscellaneous wood products .....	249	8.31	8.40	8.64	8.63	-	334.89	335.16	350.78	347.79	-
Furniture and fixtures .....	25	8.61	8.63	8.88	8.85	8.84	337.51	335.71	354.31	349.58	344.76
Household furniture .....	251	7.95	7.96	8.25	8.22	-	304.49	301.68	323.40	319.76	-
Wood household furniture .....	2511	7.46	7.45	7.72	7.68	-	289.45	286.08	305.71	304.13	-
Upholstered household furniture .....	2512	8.72	8.70	8.98	8.98	-	324.38	321.03	339.44	341.24	-
Metal household furniture .....	2514	8.08	8.15	8.42	8.35	-	328.05	325.19	346.06	337.34	-
Mattresses and bedsprings .....	2515	8.12	8.23	8.54	8.49	-	306.94	307.80	349.29	320.92	-
Office furniture .....	252	9.73	9.75	9.57	9.60	-	396.98	386.10	370.36	367.68	-
Public building and related furniture .....	253	9.19	9.24	9.67	9.56	-	372.20	382.54	416.78	406.30	-
Partitions and fixtures .....	254	9.79	9.84	10.14	10.16	-	403.35	402.46	430.95	420.62	-
Miscellaneous furniture and fixtures .....	259	8.98	9.05	9.37	9.32	-	350.22	362.00	371.99	366.28	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	41.9	42.1	42.6	42.4	41.8	4.9	4.8	5.3	5.2	-
Flat glass .....	321	44.2	44.3	44.7	44.6	-	5.8	5.9	6.5	6.4	-
Glass and glassware, pressed or blown .....	322	41.8	42.0	42.4	42.4	-	4.5	4.5	4.7	4.6	-
Glass containers .....	3221	42.2	42.3	42.1	42.0	-	5.6	5.4	5.5	5.4	-
Pressed and blown glass, nec .....	3229	41.3	41.7	42.7	42.7	-	3.4	3.5	3.9	3.9	-
Products of purchased glass .....	323	40.9	41.0	41.8	41.1	-	3.3	3.0	4.0	3.4	-
Cement, hydraulic .....	324	42.1	42.9	41.7	40.7	-	3.9	4.3	3.6	3.0	-
Structural clay products .....	325	40.0	40.3	39.7	39.7	-	3.0	3.0	3.1	2.9	-
Pottery and related products .....	326	40.2	40.3	40.5	40.8	-	3.1	3.0	3.3	3.4	-
Concrete, gypsum, and plaster products .....	327	42.9	43.1	44.2	44.0	-	6.3	6.1	7.2	7.0	-
Concrete block and brick .....	3271	44.2	43.3	43.9	44.1	-	6.6	6.2	6.6	6.9	-
Concrete products, nec .....	3272	43.1	42.8	43.5	43.4	-	5.9	5.6	6.2	6.0	-
Ready-mixed concrete .....	3273	42.1	42.9	44.1	43.9	-	6.2	6.4	7.7	7.7	-
Misc. nonmetallic mineral products .....	329	41.7	41.7	41.9	41.9	-	4.9	4.8	5.0	4.8	-
Abrasive products .....	3291	40.8	41.6	42.5	41.5	-	3.9	3.6	4.3	3.8	-
Asbestos products .....	3292	40.1	39.0	39.7	40.6	-	2.7	1.9	4.6	4.8	-
Primary metal industries .....	33	42.8	42.9	43.1	42.7	42.7	5.1	5.1	5.1	5.0	-
Blast furnaces and basic steel products .....	331	43.5	43.9	44.0	43.4	43.3	5.9	5.8	5.5	5.4	-
Blast furnaces and steel mills .....	3312	43.8	44.5	44.5	43.7	-	6.1	6.2	5.7	5.7	-
Steel pipe and tubes .....	3317	44.2	43.2	42.9	42.5	-	5.8	4.5	4.9	4.5	-
Iron and steel foundries .....	332	42.4	41.9	42.7	42.1	-	4.7	4.6	4.7	4.4	-
Gray and ductile iron foundries .....	3321	42.7	41.7	43.4	42.5	-	4.8	4.4	5.1	4.8	-
Malleable iron foundries .....	3322	43.3	43.2	44.4	43.6	-	4.9	5.6	6.2	5.4	-
Steel foundries, nec .....	3325	41.5	41.5	40.6	40.6	-	4.7	4.6	3.2	3.5	-
Primary nonferrous metals .....	333	43.1	43.9	43.5	43.6	-	4.8	5.5	5.2	5.2	-
Primary aluminum .....	3334	42.9	43.5	43.5	43.6	-	5.1	5.8	5.6	5.7	-
Nonferrous rolling and drawing .....	335	42.7	42.7	43.3	42.7	-	5.6	5.5	6.2	5.6	-
Copper rolling and drawing .....	3351	41.5	41.1	41.9	41.8	-	5.4	5.1	6.5	5.4	-
Aluminum sheet, plate, and foil .....	3353	45.2	44.9	45.9	45.5	-	8.9	8.6	8.8	8.3	-
Nonferrous wire drawing and insulating .....	3357	41.8	41.9	42.5	42.0	-	4.7	4.6	5.2	5.0	-
Nonferrous foundries (castings) .....	336	41.0	40.9	41.0	41.0	-	3.2	3.2	3.2	3.5	-
Aluminum foundries .....	3365	41.2	41.5	41.2	41.7	-	3.4	3.6	3.3	3.7	-
Fabricated metal products .....	34	41.4	41.3	42.0	41.8	41.7	3.8	3.6	4.2	4.0	-
Metal cans and shipping containers .....	341	42.7	43.1	44.3	43.1	-	5.2	5.1	6.0	4.9	-
Metal cans .....	3411	43.2	43.6	44.8	43.6	-	5.3	5.3	6.1	5.0	-
Cutlery, handtools, and hardware .....	342	40.6	40.7	42.1	41.9	-	2.8	2.9	4.0	3.8	-
Hand and edge tools, and blades and handsaws .....	3423.5	39.9	39.8	41.8	41.6	-	2.6	2.6	3.8	3.8	-
Hardware, nec .....	3429	40.4	40.5	41.7	41.6	-	2.7	2.6	3.9	3.5	-
Plumbing and heating, except electric .....	343	40.1	40.2	42.1	42.0	-	2.8	2.9	4.4	4.1	-
Plumbing fixture fittings and trim .....	3432	38.3	39.0	42.9	41.8	-	1.9	2.5	4.3	3.8	-
Heating equipment, except electric .....	3433	41.3	41.3	41.3	40.9	-	3.4	3.4	4.3	4.0	-
Fabricated structural metal products .....	344	40.9	41.1	41.1	41.1	-	3.5	3.6	3.7	3.6	-
Fabricated structural metal .....	3441	41.8	41.8	41.4	41.7	-	4.1	4.1	4.0	4.1	-
Metal doors, sash, and trim .....	3442	39.2	39.7	40.0	39.9	-	2.3	2.2	2.9	2.4	-
Fabricated plate work (boiler shops) .....	3443	42.4	42.6	42.6	42.5	-	4.4	4.3	4.5	4.3	-
Sheet metal work .....	3444	40.4	40.5	40.5	40.3	-	3.2	3.4	3.4	3.2	-
Architectural metal work .....	3446	39.3	39.8	39.9	39.8	-	2.7	3.0	3.4	3.0	-
Screw machine products, bolts, etc .....	345	42.3	41.8	42.3	42.5	-	4.8	4.4	4.8	4.6	-
Screw machine products .....	3451	40.6	40.3	40.9	41.6	-	3.4	3.2	3.5	3.7	-
Bolts, nuts, rivets, and washers .....	3452	44.1	43.3	43.7	43.4	-	6.2	5.7	6.1	5.6	-
Metal forgings and stampings .....	346	42.5	41.3	42.8	42.7	-	4.2	3.4	4.7	4.5	-
Iron and steel forgings .....	3462	42.2	42.2	40.1	40.6	-	4.1	3.8	3.1	3.3	-
Automotive stampings .....	3465	43.2	40.9	44.3	43.9	-	4.7	3.2	5.6	5.3	-
Metal stampings, nec .....	3469	41.5	41.2	41.6	41.8	-	3.6	3.3	4.0	3.8	-
Metal services, nec .....	347	41.2	41.1	41.6	41.3	-	4.0	3.9	4.2	4.0	-
Plating and polishing .....	3471	40.6	40.5	40.7	40.8	-	3.3	3.3	3.3	3.5	-
Metal coating and allied services .....	3479	42.2	42.1	43.0	42.1	-	5.3	4.9	5.7	4.8	-
Ordnance and accessories, nec .....	348	40.8	40.6	41.5	41.1	-	3.7	3.9	3.8	3.4	-
Ammunition, except for small arms, nec .....	3483	41.3	41.2	41.2	40.3	-	3.2	3.7	3.3	2.8	-
Misc. fabricated metal products .....	349	41.4	41.5	42.0	41.9	-	3.7	3.6	3.9	3.8	-
Valves and pipe fittings, nec .....	3494	42.8	44.2	42.1	42.6	-	4.1	4.6	3.5	3.9	-
Misc. fabricated wire products .....	3496	40.7	40.3	41.5	40.9	-	3.2	3.4	3.5	3.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	\$11.18	\$11.22	\$11.44	\$11.42	\$11.45	\$468.44	\$472.36	\$487.34	\$484.21	\$478.61
Flat glass .....	321	14.84	15.47	16.11	16.10	-	655.93	685.32	720.12	718.06	-
Glass and glassware, pressed or blown .....	322	12.50	12.51	12.79	12.77	-	522.50	525.42	542.30	541.45	-
Glass containers .....	3221	13.27	13.27	13.57	13.55	-	559.99	561.32	571.30	569.10	-
Pressed and blown glass, nec .....	3229	11.71	11.71	12.06	12.04	-	483.62	488.31	514.96	514.11	-
Products of purchased glass .....	323	9.79	9.92	9.67	9.64	-	400.41	406.72	404.21	396.20	-
Cement, hydraulic .....	324	13.86	14.28	14.31	14.18	-	583.51	612.61	596.73	577.13	-
Structural clay products .....	325	9.64	9.63	9.77	9.74	-	385.60	388.09	387.87	386.68	-
Pottery and related products .....	326	9.60	9.53	9.85	9.91	-	385.92	384.06	398.93	404.33	-
Concrete, gypsum, and plaster products .....	327	10.89	10.85	11.12	11.11	-	467.18	467.64	491.50	488.84	-
Concrete block and brick .....	3271	9.78	9.48	10.29	10.45	-	432.28	410.48	451.73	460.85	-
Concrete products, nec .....	3272	9.89	9.79	9.89	9.93	-	426.26	419.01	430.22	430.96	-
Ready-mixed concrete .....	3273	11.73	11.76	12.01	11.95	-	493.83	504.50	529.64	524.61	-
Misc. nonmetallic mineral products .....	329	11.68	11.71	11.87	11.82	-	487.06	488.31	497.35	495.26	-
Abrasive products .....	3291	10.54	10.44	10.20	10.19	-	430.03	434.30	433.50	422.89	-
Asbestos products .....	3292	10.82	11.09	11.74	11.73	-	433.88	432.51	466.08	476.24	-
Primary metal industries .....	33	13.08	13.13	13.51	13.48	13.52	559.82	563.28	582.28	575.60	577.30
Blast furnaces and basic steel products .....	331	15.04	15.09	15.55	15.58	15.62	654.24	662.45	684.20	676.17	676.35
Blast furnaces and steel mills .....	3312	15.83	15.85	16.42	16.48	-	693.35	705.33	730.69	720.18	-
Steel pipe and tubes .....	3317	11.99	11.99	12.27	12.27	-	529.96	517.97	526.38	521.48	-
Iron and steel foundries .....	332	11.73	11.62	12.11	12.02	-	497.35	486.88	517.10	506.04	-
Gray and ductile iron foundries .....	3321	12.23	12.11	12.59	12.44	-	522.22	504.99	546.41	528.70	-
Malleable iron foundries .....	3322	12.55	12.33	12.89	12.53	-	543.42	532.66	572.32	546.31	-
Steel foundries, nec .....	3325	11.11	11.08	11.26	11.44	-	461.07	459.82	457.16	464.46	-
Primary nonferrous metals .....	333	14.58	14.73	14.59	14.76	-	628.40	646.65	634.67	643.54	-
Primary aluminum .....	3334	14.67	14.76	14.90	15.15	-	629.34	642.06	648.15	660.54	-
Nonferrous rolling and drawing .....	335	12.42	12.50	12.91	12.83	-	530.33	533.75	559.00	547.84	-
Copper rolling and drawing .....	3351	11.64	11.65	12.29	12.11	-	483.06	478.82	514.95	506.20	-
Aluminum sheet, plate, and foil .....	3353	15.31	15.48	15.53	15.48	-	692.01	695.05	712.83	704.34	-
Nonferrous wire drawing and insulating .....	3357	12.25	12.17	12.86	12.79	-	512.05	509.92	546.55	537.18	-
Nonferrous foundries (castings) .....	336	10.32	10.38	10.66	10.68	-	423.12	424.54	437.06	437.88	-
Aluminum foundries .....	3365	9.92	10.14	10.31	10.31	-	408.70	420.81	424.77	429.93	-
Fabricated metal products .....	34	10.95	10.95	11.33	11.31	11.33	453.33	452.24	475.86	472.76	472.46
Metal cans and shipping containers .....	341	14.15	14.28	14.60	14.47	-	604.21	615.47	646.78	623.66	-
Metal cans .....	3411	14.91	15.04	15.46	15.30	-	644.11	655.74	692.61	667.08	-
Cutlery, handtools, and hardware .....	342	10.83	10.73	11.35	11.40	-	439.70	436.71	477.84	477.66	-
Hand and edge tools, and blades and handsaws .....	3423.5	10.06	10.14	10.43	10.42	-	401.39	403.57	435.97	433.47	-
Hardware, nec .....	3429	11.07	10.81	11.69	11.70	-	447.23	437.81	487.47	486.72	-
Plumbing and heating, except electric .....	343	9.90	9.88	10.09	10.09	-	396.99	397.18	424.79	423.78	-
Plumbing fixture fittings and trim .....	3432	9.55	9.60	9.49	9.52	-	365.77	374.40	407.12	397.94	-
Heating equipment, except electric .....	3433	9.74	9.75	10.17	10.16	-	402.26	402.68	420.02	415.54	-
Fabricated structural metal products .....	344	10.25	10.33	10.55	10.59	-	419.23	424.56	433.61	435.25	-
Fabricated structural metal .....	3441	10.33	10.35	10.61	10.66	-	431.79	432.63	439.25	444.52	-
Metal doors, sash, and trim .....	3442	8.61	8.63	8.67	8.73	-	337.51	342.61	346.80	348.33	-
Fabricated plate work (boiler shops) .....	3443	11.12	11.23	11.56	11.57	-	471.49	478.40	492.46	491.73	-
Sheet metal work .....	3444	10.61	10.68	10.99	11.00	-	428.64	432.54	445.10	443.30	-
Architectural metal work .....	3446	9.94	10.04	10.19	10.06	-	390.64	399.59	406.58	400.39	-
Screw machine products, bolts, etc .....	345	10.88	10.87	11.24	11.24	-	460.22	454.37	475.45	477.70	-
Screw machine products .....	3451	10.11	10.10	10.35	10.35	-	410.47	407.03	423.32	430.56	-
Bolts, nuts, rivets, and washers .....	3452	11.62	11.60	12.10	12.13	-	512.44	502.28	528.77	526.44	-
Metal forgings and stampings .....	346	12.94	12.80	13.51	13.42	-	549.95	528.64	578.23	573.03	-
Iron and steel forgings .....	3462	12.99	12.84	13.31	13.28	-	548.18	541.85	533.73	539.17	-
Automotive stampings .....	3465	14.56	14.45	15.44	15.33	-	628.99	591.01	683.99	672.99	-
Metal stampings, nec .....	3469	10.37	10.39	10.66	10.63	-	430.36	428.07	443.46	444.33	-
Metal services, nec .....	347	9.11	9.09	9.39	9.36	-	375.33	373.60	390.62	386.57	-
Plating and polishing .....	3471	9.02	9.00	9.27	9.32	-	366.21	364.50	377.29	380.26	-
Metal coating and allied services .....	3479	9.26	9.25	9.58	9.41	-	390.77	389.43	411.94	396.16	-
Ordnance and accessories, nec .....	348	12.04	12.16	12.44	12.36	-	491.23	493.70	516.26	508.00	-
Ammunition, except for small arms, nec .....	3483	11.82	11.93	12.32	12.27	-	488.17	491.52	507.58	494.48	-
Misc. fabricated metal products .....	349	10.29	10.35	10.56	10.57	-	426.01	429.53	443.52	442.88	-
Valves and pipe fittings, nec .....	3494	10.49	10.56	10.99	11.19	-	448.97	466.75	462.68	476.69	-
Misc. fabricated wire products .....	3496	8.95	9.04	9.22	9.27	-	364.27	364.31	382.63	379.14	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	42.0	42.0	42.3	41.8	42.1	4.0	4.1	4.0	3.9	-
Engines and turbines .....	351	42.3	42.6	44.3	44.1	-	4.1	4.5	5.2	5.1	-
Turbines and turbine generator sets .....	3511	44.7	46.6	45.7	46.0	-	7.1	8.1	7.3	7.4	-
Internal combustion engines, nec .....	3519	41.4	41.0	43.6	43.2	-	2.9	3.1	4.2	4.1	-
Farm and garden machinery .....	352	41.0	40.7	40.6	39.5	-	3.1	2.8	3.2	2.7	-
Farm machinery and equipment .....	3523	40.9	40.6	40.2	39.0	-	3.3	2.9	2.9	2.6	-
Construction and related machinery .....	353	43.0	43.0	43.1	42.5	-	4.0	4.1	3.6	3.3	-
Construction machinery .....	3531	42.0	41.6	43.1	41.7	-	2.5	2.3	2.5	2.1	-
Mining machinery .....	3532	41.9	41.9	40.5	40.8	-	4.2	3.9	3.9	3.5	-
Oil and gas field machinery .....	3533	47.6	48.3	46.0	46.3	-	7.1	7.9	5.1	4.9	-
Conveyors and conveying equipment .....	3535	41.9	41.7	42.5	41.8	-	4.5	4.7	4.8	4.1	-
Industrial trucks and tractors .....	3537	40.8	40.7	40.1	39.9	-	2.6	2.8	2.3	2.6	-
Metalworking machinery .....	354	42.8	42.5	42.1	42.3	-	4.8	4.9	4.4	4.5	-
Machine tools, metal cutting types .....	3541	41.5	41.7	42.2	42.5	-	4.1	4.2	4.2	4.2	-
Machine tools, metal forming types .....	3542	42.7	44.1	41.2	41.3	-	4.4	5.2	3.6	3.7	-
Special dies, tools, jigs, and fixtures .....	3544	43.7	43.1	42.6	42.7	-	6.0	5.8	5.2	5.3	-
Machine tool accessories .....	3545	41.2	41.7	41.7	41.9	-	3.5	3.8	3.1	3.5	-
Power driven handtools .....	3546	42.3	42.5	41.8	41.8	-	3.3	4.1	3.9	4.0	-
Special industry machinery .....	355	41.3	41.8	42.1	41.5	-	3.6	4.0	4.2	3.9	-
Textile machinery .....	3552	42.2	41.8	42.3	41.9	-	3.5	3.2	4.0	3.5	-
Printing trades machinery .....	3555	36.9	38.6	38.4	36.6	-	2.4	3.5	3.7	3.0	-
Food products machinery .....	3556	41.2	42.3	41.8	41.9	-	3.8	4.3	4.3	4.1	-
General industrial machinery .....	356	41.9	42.3	42.0	41.4	-	4.2	4.4	4.1	3.6	-
Pumps and pumping equipment .....	3561	41.2	41.9	42.0	41.1	-	4.1	4.5	3.9	3.0	-
Ball and roller bearings .....	3562	43.7	43.9	43.0	42.3	-	5.9	5.6	5.2	4.4	-
Air and gas compressors .....	3563	44.6	44.7	43.1	43.1	-	4.7	5.6	4.7	4.8	-
Blowers and fans .....	3564	39.6	40.6	40.9	40.5	-	2.5	3.4	3.6	3.0	-
Speed changers, drives, and gears .....	3566	41.2	42.1	41.6	41.4	-	5.1	5.4	4.5	4.2	-
Power transmission equipment, nec .....	3568	41.4	41.6	41.3	40.4	-	3.8	3.8	4.0	3.4	-
Computer and office equipment .....	357	42.1	42.2	42.5	41.7	-	3.2	3.3	3.3	3.2	-
Electronic computers .....	3571	41.6	42.1	42.0	41.6	-	3.3	3.6	2.9	3.0	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	41.4	41.6	42.0	41.8	-	3.2	3.5	4.1	4.4	-
Refrigeration and service machinery .....	358	39.5	40.2	41.4	40.9	-	2.3	2.4	3.4	3.1	-
Refrigeration and heating equipment .....	3585	39.4	40.2	41.7	41.0	-	2.3	2.3	3.6	3.2	-
Misc. industrial and commercial machinery .....	359	42.2	41.9	42.6	42.1	-	4.6	4.5	4.7	4.6	-
Carburetors, pistons, rings, valves .....	3592	41.9	41.0	41.7	40.9	-	4.2	4.1	3.4	3.9	-
Scales, balances, and industrial machinery, nec .....	3596,9	42.1	41.7	42.9	42.3	-	4.7	4.4	4.9	4.7	-
Electronic and other electrical equipment .....	36	40.9	41.1	41.0	40.7	41.5	3.3	3.6	3.5	3.3	-
Electric distribution equipment .....	361	41.9	42.5	41.4	41.0	-	3.2	3.7	3.1	2.7	-
Transformers, except electronic .....	3612	42.0	42.8	41.4	40.5	-	3.5	4.1	3.4	2.8	-
Switchgear and switchboard apparatus .....	3613	41.7	42.1	41.4	41.5	-	2.9	3.3	2.8	2.6	-
Electrical industrial apparatus .....	362	41.7	42.0	42.1	41.5	-	3.2	3.4	3.5	3.1	-
Motors and generators .....	3621	40.8	41.2	42.2	41.6	-	3.1	3.2	3.5	3.3	-
Relays and industrial controls .....	3625	42.5	43.0	41.7	40.9	-	3.2	3.6	3.3	2.7	-
Household appliances .....	363	39.8	38.1	40.5	40.2	-	2.2	2.3	3.2	3.0	-
Household refrigerators and freezers .....	3632	37.9	32.4	40.1	38.8	-	1.7	1.4	2.8	2.1	-
Household laundry equipment .....	3633	39.9	39.7	39.9	39.1	-	2.0	2.0	1.7	1.6	-
Electric housewares and fans .....	3634	40.8	41.4	42.1	43.5	-	2.3	2.7	4.0	4.4	-
Electric lighting and wiring equipment .....	364	40.0	40.3	40.7	40.6	-	3.0	3.0	3.4	3.2	-
Electric lamps .....	3641	41.8	41.7	42.1	42.2	-	3.8	3.5	3.3	3.3	-
Current-carrying wiring devices .....	3643	39.2	39.9	39.2	39.1	-	2.7	2.9	2.7	2.7	-
Noncurrent-carrying wiring devices .....	3644	41.1	41.2	43.6	41.7	-	2.2	2.3	3.8	2.9	-
Residential lighting fixtures .....	3645	37.9	37.1	39.1	39.0	-	2.7	1.9	2.7	2.5	-
Household audio and video equipment .....	365	41.1	41.1	41.0	40.0	-	3.6	3.5	5.0	4.4	-
Household audio and video equipment .....	3651	41.6	41.5	41.8	39.6	-	3.4	2.9	4.7	4.1	-
Communications equipment .....	366	42.0	43.2	40.6	40.4	-	3.6	4.5	2.9	2.7	-
Telephone and telegraph apparatus .....	3661	43.9	45.8	40.8	40.7	-	4.6	6.1	3.2	2.9	-
Electronic components and accessories .....	367	40.0	40.5	40.5	40.5	-	3.3	3.7	3.6	3.3	-
Electron tubes .....	3671	40.9	41.4	40.5	42.9	-	3.3	3.6	3.8	4.1	-
Semiconductors and related devices .....	3674	40.0	40.8	41.6	41.5	-	4.5	4.9	4.6	4.4	-
Electronic components, nec .....	3679	39.5	40.1	39.1	39.2	-	2.4	2.7	2.7	2.5	-
Misc. electrical equipment and supplies .....	369	42.2	42.2	42.6	42.1	-	4.3	4.2	4.3	4.2	-
Storage batteries .....	3691	43.9	44.3	45.7	45.1	-	5.9	5.7	6.0	5.4	-
Engine electrical equipment .....	3694	41.5	41.1	41.9	41.1	-	3.9	3.4	4.3	4.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	\$11.90	\$11.97	\$12.24	\$12.26	\$12.28	\$499.80	\$502.74	\$517.75	\$512.47	\$516.99
Engines and turbines .....	351	14.74	14.90	15.49	15.63	-	623.50	634.74	686.21	689.28	-
Turbines and turbine generator sets .....	3511	15.19	15.23	15.99	16.05	-	678.99	709.72	730.74	738.30	-
Internal combustion engines, nec .....	3519	14.56	14.75	15.25	15.43	-	602.78	604.75	664.90	666.58	-
Farm and garden machinery .....	352	11.21	11.06	11.47	11.35	-	459.61	450.14	465.68	448.33	-
Farm machinery and equipment .....	3523	12.24	12.10	12.43	12.41	-	500.62	491.26	499.69	483.99	-
Construction and related machinery .....	353	12.08	12.11	12.58	12.55	-	519.44	520.73	542.20	533.38	-
Construction machinery .....	3531	13.82	13.87	14.53	14.49	-	580.44	576.99	626.24	604.23	-
Mining machinery .....	3532	11.95	12.01	12.38	12.52	-	500.71	503.22	501.39	510.82	-
Oil and gas field machinery .....	3533	11.29	11.35	11.48	11.47	-	537.40	548.21	528.08	531.06	-
Conveyors and conveying equipment .....	3535	10.86	10.97	11.44	11.35	-	455.03	457.45	486.20	474.43	-
Industrial trucks and tractors .....	3537	10.52	10.53	10.80	10.84	-	429.22	428.57	433.08	432.52	-
Metalworking machinery .....	354	12.42	12.45	12.58	12.64	-	531.58	529.13	529.62	534.67	-
Machine tools, metal cutting types .....	3541	12.42	12.52	13.00	12.92	-	515.43	522.08	548.60	549.10	-
Machine tools, metal forming types .....	3542	12.52	12.61	12.66	12.68	-	534.60	556.10	521.59	523.68	-
Special dies, tools, jigs, and fixtures .....	3544	13.05	13.01	13.05	13.11	-	570.29	560.73	555.93	559.80	-
Machine tool accessories .....	3545	11.07	11.13	11.30	11.36	-	456.08	464.12	471.21	475.98	-
Power driven handtools .....	3546	10.08	10.24	10.42	10.46	-	426.38	435.20	435.56	437.23	-
Special industry machinery .....	355	11.91	12.05	12.40	12.38	-	491.88	503.69	522.04	513.77	-
Textile machinery .....	3552	10.13	10.22	10.52	10.58	-	427.49	427.20	445.00	443.30	-
Printing trades machinery .....	3555	13.59	13.79	14.24	13.89	-	501.47	532.29	546.82	508.37	-
Food products machinery .....	3556	11.86	11.78	12.30	12.32	-	488.63	498.29	514.14	516.21	-
General industrial machinery .....	356	11.53	11.57	11.90	11.79	-	483.11	489.41	499.80	488.11	-
Pumps and pumping equipment .....	3561	12.12	12.21	12.49	12.50	-	499.34	511.60	524.58	513.75	-
Ball and roller bearings .....	3562	12.36	12.34	12.76	12.43	-	540.13	541.73	548.68	525.79	-
Air and gas compressors .....	3563	11.88	12.04	12.25	12.13	-	529.85	538.19	527.98	522.80	-
Blowers and fans .....	3564	10.06	10.08	10.24	10.22	-	398.38	409.25	418.82	413.91	-
Speed changers, drives, and gears .....	3566	11.87	12.04	12.54	12.57	-	489.04	506.88	521.66	520.40	-
Power transmission equipment, nec .....	3568	10.98	10.94	11.63	11.55	-	454.57	455.10	480.32	466.62	-
Computer and office equipment .....	357	11.52	11.85	12.14	12.16	-	484.99	500.07	515.95	507.07	-
Electronic computers .....	3571	11.97	12.45	12.61	12.61	-	497.95	524.15	529.62	524.58	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	11.26	11.43	12.24	12.47	-	466.16	475.49	514.08	521.25	-
Refrigeration and service machinery .....	358	11.07	11.07	11.23	11.30	-	437.27	445.01	464.92	462.17	-
Refrigeration and heating equipment .....	3585	11.26	11.25	11.42	11.53	-	443.64	452.25	476.21	472.73	-
Misc. industrial and commercial machinery .....	359	11.63	11.66	11.84	11.86	-	490.79	488.55	504.38	499.31	-
Carburetors, pistons, rings, valves .....	3592	12.33	12.21	12.62	12.91	-	516.63	500.61	526.25	528.02	-
Scales, balances, and industrial machinery, nec .....	3596,9	11.33	11.36	11.53	11.50	-	476.99	473.71	494.64	486.45	-
Electronic and other electrical equipment .....	36	10.45	10.52	10.84	10.75	10.85	427.41	432.37	444.44	437.53	450.28
Electric distribution equipment .....	361	10.28	10.42	10.78	10.77	-	430.73	442.85	446.29	441.57	-
Transformers, except electronic .....	3612	10.04	10.18	10.57	10.58	-	421.68	435.70	437.60	428.49	-
Switchgear and switchboard apparatus .....	3613	10.53	10.66	11.02	10.97	-	439.10	448.79	456.23	455.26	-
Electrical industrial apparatus .....	362	10.05	10.14	10.27	10.28	-	419.09	425.88	432.37	426.62	-
Motors and generators .....	3621	9.90	9.95	9.86	9.82	-	403.92	409.94	416.09	408.51	-
Relays and industrial controls .....	3625	10.26	10.46	10.85	10.96	-	436.05	449.78	452.45	448.26	-
Household appliances .....	363	10.22	10.03	10.42	10.18	-	406.76	382.14	422.01	409.24	-
Household refrigerators and freezers .....	3632	11.44	11.16	11.79	11.59	-	433.58	361.58	472.78	449.69	-
Household laundry equipment .....	3633	12.42	12.48	12.52	12.32	-	495.56	495.46	499.55	481.71	-
Electric housewares and fans .....	3634	7.49	7.60	7.73	7.54	-	305.59	314.64	325.43	327.99	-
Electric lighting and wiring equipment .....	364	10.22	10.19	10.69	10.67	-	408.80	410.66	435.08	433.20	-
Electric lamps .....	3641	11.58	11.48	11.91	11.97	-	484.04	478.72	501.41	505.13	-
Current-carrying wiring devices .....	3643	9.97	9.99	10.41	10.48	-	390.82	398.60	408.07	409.77	-
Noncurrent-carrying wiring devices .....	3644	9.55	9.58	9.77	9.87	-	392.51	394.70	425.97	411.58	-
Residential lighting fixtures .....	3645	7.53	7.53	7.90	7.63	-	285.39	279.36	308.89	297.57	-
Household audio and video equipment .....	365	10.12	10.13	10.59	10.32	-	415.93	416.34	434.19	412.80	-
Household audio and video equipment .....	3651	10.70	10.53	10.94	10.72	-	445.12	437.00	457.29	424.51	-
Communications equipment .....	366	11.10	11.36	11.55	11.47	-	466.20	490.75	468.93	463.39	-
Telephone and telegraph apparatus .....	3661	11.65	12.09	12.19	12.07	-	511.44	553.72	497.35	491.25	-
Electronic components and accessories .....	367	10.19	10.25	10.56	10.44	-	407.60	415.13	427.68	422.82	-
Electron tubes .....	3671	12.22	12.20	12.28	12.35	-	499.80	505.08	497.34	529.82	-
Semiconductors and related devices .....	3674	12.56	12.58	12.86	12.64	-	502.40	513.26	534.98	524.56	-
Electronic components, nec .....	3679	9.44	9.46	9.74	9.58	-	372.88	379.35	380.83	375.54	-
Misc. electrical equipment and supplies .....	369	11.55	11.62	12.01	12.01	-	487.41	490.36	511.63	505.62	-
Storage batteries .....	3691	12.97	13.01	13.26	13.02	-	569.38	576.34	605.98	587.20	-
Engine electrical equipment .....	3694	12.06	12.19	12.45	12.56	-	500.49	501.01	521.66	516.22	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	42.5	41.4	42.8	42.8	42.2	4.4	3.8	4.6	4.6	-
Motor vehicles and equipment .....	371	43.3	40.9	44.0	43.8	42.5	4.8	3.6	5.3	5.3	-
Motor vehicles and car bodies .....	3711	44.0	40.1	44.4	44.7	-	5.3	3.6	5.6	6.0	-
Truck and bus bodies .....	3713	41.2	40.9	41.7	41.3	-	3.3	2.9	3.7	3.4	-
Motor vehicle parts and accessories .....	3714	43.3	41.5	44.1	43.7	-	4.8	3.8	5.4	5.2	-
Truck trailers .....	3715	41.1	40.6	41.6	40.6	-	2.8	2.7	4.1	3.4	-
Aircraft and parts .....	372	42.2	42.7	41.9	41.8	-	4.7	4.8	4.2	4.1	-
Aircraft .....	3721	41.6	41.9	41.6	41.7	-	4.2	4.2	4.2	4.2	-
Aircraft engines and engine parts .....	3724	43.2	43.6	43.4	43.2	-	5.8	6.1	5.3	5.1	-
Aircraft parts and equipment, nec .....	3728	42.3	43.1	41.1	41.1	-	4.6	4.6	3.4	3.4	-
Ship and boat building and repairing .....	373	40.5	40.3	40.8	41.0	-	2.4	2.4	3.2	3.4	-
Ship building and repairing .....	3731	41.8	41.5	41.6	41.6	-	2.7	2.7	3.5	3.6	-
Boat building and repairing .....	3732	37.8	37.7	38.9	39.7	-	1.9	1.8	2.5	2.9	-
Railroad equipment .....	374	41.6	42.0	41.0	40.1	-	3.5	3.3	2.3	1.9	-
Guided missiles, space vehicles, and parts .....	376	42.7	42.8	42.9	42.9	-	3.7	3.6	4.7	4.4	-
Guided missiles and space vehicles .....	3761	43.6	43.2	43.7	43.3	-	4.3	3.9	5.4	5.0	-
Misc. transportation equipment .....	379	40.1	39.5	39.1	39.9	-	2.7	2.5	2.1	3.0	-
Travel trailers and campers .....	3792	39.5	38.0	38.0	39.2	-	2.1	1.3	1.9	2.6	-
Instruments and related products .....	38	41.0	41.4	41.3	40.9	41.5	3.0	3.2	3.2	2.9	-
Search and navigation equipment .....	381	41.2	41.3	40.6	40.6	-	2.6	2.9	2.7	2.5	-
Measuring and controlling devices .....	382	40.9	41.5	41.0	40.2	-	2.8	3.0	2.7	2.3	-
Environmental controls .....	3822	40.5	41.0	41.9	40.4	-	2.7	3.2	3.5	3.0	-
Process control instruments .....	3823	41.5	42.4	40.9	39.9	-	3.4	3.5	2.8	2.3	-
Instruments to measure electricity .....	3825	40.2	40.9	40.3	39.4	-	2.0	2.2	2.1	1.8	-
Medical instruments and supplies .....	384	40.9	41.5	41.6	41.4	-	3.3	3.7	3.6	3.1	-
Surgical and medical instruments .....	3841	40.2	41.5	41.6	41.1	-	3.5	4.0	3.7	3.2	-
Surgical appliances and supplies .....	3842	41.2	41.2	41.6	41.5	-	3.2	3.5	3.4	2.9	-
Ophthalmic goods .....	385	38.7	39.1	40.7	40.6	-	2.4	2.6	3.4	3.2	-
Photographic equipment and supplies .....	386	42.8	42.1	42.8	43.1	-	4.3	3.8	4.3	4.6	-
Watches, clocks, watchcases, and parts .....	387	40.0	40.1	40.1	39.9	-	2.2	2.6	2.6	2.6	-
Miscellaneous manufacturing industries .....	39	40.2	40.2	40.3	40.4	40.4	3.1	3.0	3.2	3.2	-
Jewelry, silverware, and plated ware .....	391	40.0	40.3	39.3	40.7	-	3.8	3.5	2.5	3.9	-
Jewelry, precious metal .....	3911	40.0	40.4	39.0	40.8	-	4.2	3.8	2.5	4.1	-
Musical instruments .....	393	40.7	40.5	39.0	38.8	-	2.2	2.1	1.6	1.5	-
Toys and sporting goods .....	394	40.3	40.5	41.2	41.1	-	3.0	3.0	3.7	3.3	-
Dolls, games, toys, and children's vehicles .....	3942,4	40.0	40.9	41.0	40.7	-	3.0	3.2	3.6	3.0	-
Sporting and athletic goods, nec .....	3949	40.5	40.2	41.4	41.3	-	3.0	2.8	3.8	3.5	-
Pens, pencils, office, and art supplies .....	395	40.8	40.7	40.0	41.0	-	2.2	2.5	2.8	2.8	-
Costume jewelry and notions .....	396	41.1	40.8	41.7	40.8	-	4.0	2.9	3.4	3.4	-
Costume jewelry .....	3961	42.7	41.5	42.3	41.2	-	5.6	3.8	3.8	4.0	-
Miscellaneous manufactures .....	399	39.7	39.6	39.7	39.6	-	3.1	3.1	3.2	3.0	-
Signs and advertising specialties .....	3993	40.2	40.1	40.0	39.9	-	3.5	3.4	3.5	3.3	-
<b>Nondurable goods</b> .....		40.2	40.2	40.8	40.6	40.8	3.8	3.8	4.2	4.0	4.1
Food and kindred products .....	20	41.0	41.1	41.4	41.0	41.2	4.7	4.8	5.3	4.7	-
Meat products .....	201	40.6	40.4	40.3	40.4	-	4.4	4.6	4.2	4.1	-
Meat packing plants .....	2011	41.8	42.3	42.3	42.2	-	5.1	5.6	5.3	4.7	-
Sausages and other prepared meats .....	2013	42.1	41.7	42.4	42.1	-	5.4	5.5	5.5	5.0	-
Poultry slaughtering and processing .....	2015	39.3	38.7	38.1	38.7	-	3.5	3.6	3.1	3.3	-
Dairy products .....	202	40.9	41.3	41.7	41.2	-	4.4	4.7	4.7	4.3	-
Cheese, natural and processed .....	2022	39.8	40.1	40.9	40.2	-	3.7	4.0	4.3	3.9	-
Fluid milk .....	2026	41.2	42.2	42.7	42.0	-	4.6	5.1	5.1	4.5	-
Preserved fruits and vegetables .....	203	40.7	40.5	42.8	41.1	-	5.0	4.0	7.2	5.1	-
Canned specialties .....	2032	43.9	44.5	45.4	45.4	-	6.7	7.0	9.0	8.5	-
Canned fruits and vegetables .....	2033	40.0	40.9	43.7	39.9	-	5.1	3.9	8.7	5.0	-
Frozen fruits and vegetables .....	2037	40.0	38.3	42.3	42.5	-	5.1	3.5	6.6	5.6	-
Grain mill products .....	204	45.4	46.3	45.8	45.8	-	7.0	7.6	7.7	7.6	-
Flour and other grain mill products .....	2041	50.6	50.7	48.7	48.0	-	9.3	9.1	8.8	8.0	-
Prepared feeds, nec .....	2048	41.9	42.5	43.8	44.0	-	5.5	5.8	6.6	6.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$14.41	\$14.20	\$15.06	\$15.08	\$15.07	\$612.43	\$587.88	\$644.57	\$645.42	\$635.95
Motor vehicles and equipment .....	371	15.00	14.59	15.66	15.60	15.46	649.50	596.73	689.04	683.28	657.05
Motor vehicles and car bodies .....	3711	17.89	17.67	18.59	18.53	-	787.16	708.57	825.40	828.29	-
Truck and bus bodies .....	3713	12.68	12.50	13.40	13.64	-	522.42	511.25	558.78	563.33	-
Motor vehicle parts and accessories .....	3714	13.49	13.18	14.14	14.08	-	584.12	546.97	623.57	615.30	-
Truck trailers .....	3715	9.77	9.85	10.06	9.93	-	401.55	399.91	418.50	403.16	-
Aircraft and parts .....	372	14.99	15.08	15.78	15.98	-	632.58	643.92	661.18	667.96	-
Aircraft .....	3721	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-	-	-	-	-	-
Aircraft engines and engine parts .....	3724	\$15.11	\$15.20	\$15.65	\$15.72	-	\$652.75	\$662.72	\$679.21	\$679.10	-
Aircraft parts and equipment, nec .....	3728	13.55	13.64	14.21	14.36	-	573.17	587.88	584.03	590.20	-
Ship and boat building and repairing .....	373	11.13	11.05	11.55	11.60	-	450.77	445.32	471.24	475.60	-
Ship building and repairing .....	3731	11.93	11.78	12.41	12.47	-	498.67	488.87	516.26	518.75	-
Boat building and repairing .....	3732	9.17	9.24	9.38	9.39	-	346.63	348.35	364.88	372.78	-
Railroad equipment .....	374	13.66	13.54	14.03	14.01	-	568.26	568.68	575.23	561.80	-
Guided missiles, space vehicles, and parts .....	376	14.57	14.59	15.06	15.10	-	622.14	624.45	646.07	647.79	-
Guided missiles and space vehicles .....	3761	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-	-	-	-	-	-
Misc. transportation equipment .....	379	\$10.81	\$10.92	\$10.92	\$10.88	-	\$433.48	\$431.34	\$426.97	\$434.11	-
Travel trailers and campers .....	3792	9.19	9.09	9.94	9.86	-	363.01	345.42	377.72	386.51	-
Instruments and related products .....	38	11.46	11.48	11.74	11.76	\$11.79	469.86	475.27	484.86	480.98	\$489.29
Search and navigation equipment .....	381	14.85	14.91	15.34	15.41	-	611.82	615.78	622.80	625.65	-
Measuring and controlling devices .....	382	10.84	10.89	11.20	11.30	-	443.36	451.94	459.20	454.26	-
Environmental controls .....	3822	9.55	9.64	9.93	9.99	-	386.78	395.24	416.07	403.60	-
Process control instruments .....	3823	10.65	10.65	10.93	11.15	-	441.98	451.56	447.04	444.89	-
Instruments to measure electricity .....	3825	10.98	11.03	11.56	11.64	-	441.40	451.13	465.87	458.62	-
Medical instruments and supplies .....	384	10.05	10.05	10.26	10.16	-	411.05	417.08	426.82	420.62	-
Surgical and medical instruments .....	3841	10.20	10.05	10.20	10.16	-	410.04	417.08	424.32	417.58	-
Surgical appliances and supplies .....	3842	9.77	9.82	10.03	9.87	-	402.52	404.58	417.25	409.61	-
Ophthalmic goods .....	385	8.32	8.29	8.57	8.52	-	321.98	324.14	348.80	345.91	-
Photographic equipment and supplies .....	386	14.26	14.26	14.75	14.78	-	610.33	600.35	631.30	637.02	-
Watches, clocks, watchcases, and parts .....	387	7.56	7.70	7.91	7.90	-	302.40	308.77	317.19	315.21	-
Miscellaneous manufacturing industries .....	39	8.62	8.66	8.90	8.86	8.90	346.52	348.13	358.67	357.94	359.56
Jewelry, silverware, and plated ware .....	391	9.34	9.23	9.47	9.57	-	373.60	371.97	372.17	389.50	-
Jewelry, precious metal .....	3911	9.34	9.18	9.42	9.56	-	373.60	370.87	367.38	390.05	-
Musical instruments .....	393	8.75	8.71	8.83	8.83	-	356.13	352.76	344.37	342.60	-
Toys and sporting goods .....	394	7.94	8.06	8.19	8.12	-	319.98	326.43	337.43	333.73	-
Dolls, games, toys, and children's vehicles .....	3942,4	7.81	7.93	7.96	7.81	-	312.40	324.34	326.36	317.87	-
Sporting and athletic goods, nec .....	3949	8.04	8.15	8.35	8.36	-	325.62	327.63	345.69	345.27	-
Pens, pencils, office, and art supplies .....	395	8.83	8.98	9.49	9.36	-	360.26	365.49	379.60	383.76	-
Costume jewelry and notions .....	396	7.36	7.19	7.64	7.56	-	302.50	293.35	318.59	308.45	-
Costume jewelry .....	3961	6.55	6.29	6.86	6.80	-	279.69	261.04	290.18	280.16	-
Miscellaneous manufactures .....	399	9.11	9.20	9.45	9.36	-	361.67	364.32	375.17	370.66	-
Signs and advertising specialties .....	3993	9.99	10.15	10.11	10.04	-	401.60	407.02	404.40	400.60	-
<b>Nondurable goods</b> .....		10.20	10.29	10.49	10.47	10.55	410.04	413.66	427.99	425.08	430.44
Food and kindred products .....	20	9.54	9.74	9.86	9.85	10.01	391.14	400.31	408.20	403.85	412.41
Meat products .....	201	7.90	8.01	8.21	8.12	-	320.74	323.60	330.86	328.05	-
Meat packing plants .....	2011	8.73	8.85	9.03	8.95	-	364.91	374.36	381.97	377.69	-
Sausages and other prepared meats .....	2013	9.31	9.43	9.50	9.31	-	391.95	393.23	402.80	391.95	-
Poultry slaughtering and processing .....	2015	6.78	6.87	7.09	7.07	-	266.45	265.87	270.13	273.61	-
Dairy products .....	202	10.60	10.75	10.98	10.96	-	433.54	443.98	457.87	451.55	-
Cheese, natural and processed .....	2022	9.70	9.92	10.10	9.89	-	386.06	397.79	413.09	397.58	-
Fluid milk .....	2026	11.09	11.21	11.48	11.51	-	456.91	473.06	490.20	483.42	-
Preserved fruits and vegetables .....	203	8.72	9.10	9.16	9.26	-	354.90	368.55	392.05	380.59	-
Canned specialties .....	2032	11.68	12.63	12.19	12.48	-	512.75	562.04	553.43	566.59	-
Canned fruits and vegetables .....	2033	8.40	8.75	9.23	9.24	-	336.00	357.88	403.35	368.68	-
Frozen fruits and vegetables .....	2037	8.11	8.29	8.10	8.17	-	324.40	317.51	342.63	347.23	-
Grain mill products .....	204	11.51	11.79	11.91	11.89	-	522.55	545.88	545.48	544.56	-
Flour and other grain mill products .....	2041	10.78	10.86	11.05	10.78	-	545.47	550.60	538.14	517.44	-
Prepared feeds, nec .....	2048	9.12	9.26	9.58	9.61	-	382.13	393.55	419.60	422.84	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	39.5	39.8	39.9	39.6	-	4.2	4.6	4.4	4.2	-
Bread, cake, and related products .....	2051	39.0	39.4	39.3	38.9	-	4.2	4.7	4.4	4.0	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	40.4	40.4	41.2	41.0	-	4.3	4.5	4.5	4.7	-
Sugar and confectionery products .....	206	41.4	42.6	40.7	41.5	-	4.4	5.4	4.5	5.0	-
Raw cane sugar .....	2061	42.7	53.5	46.9	48.8	-	5.7	14.3	6.8	8.9	-
Cane sugar refining .....	2062	48.0	52.3	48.1	47.8	-	10.3	13.7	10.4	9.5	-
Beet sugar .....	2063	40.4	40.4	39.3	40.0	-	4.7	3.6	4.8	5.8	-
Candy and other confectionery products .....	2064	40.6	41.0	39.5	40.1	-	3.5	4.4	3.7	3.8	-
Fats and oils .....	207	45.4	45.8	43.9	44.2	-	7.0	7.6	6.8	7.2	-
Beverages .....	208	41.7	42.2	42.0	41.3	-	4.5	5.0	5.2	4.7	-
Malt beverages .....	2082	43.5	45.4	42.1	41.5	-	6.9	8.1	7.0	6.4	-
Bottled and canned soft drinks .....	2086	40.8	41.3	41.7	40.9	-	3.3	4.0	4.5	4.0	-
Misc. food and kindred products .....	209	39.4	39.5	39.7	39.2	-	4.4	4.4	4.8	4.3	-
Tobacco products .....	21	40.8	40.3	40.3	40.2	38.4	2.7	2.9	1.6	1.5	-
Cigarettes .....	211	40.8	41.3	39.8	39.9	-	3.1	3.4	1.5	1.4	-
Textile mill products .....	22	40.1	39.7	41.8	41.6	41.8	3.7	3.6	4.8	4.6	-
Broadwoven fabric mills, cotton .....	221	41.5	41.1	41.8	42.1	-	4.7	4.4	5.8	5.8	-
Broadwoven fabric mills, synthetics .....	222	41.2	40.8	42.2	41.4	-	4.2	3.9	5.0	4.4	-
Broadwoven fabric mills, wool .....	223	38.6	39.5	42.0	41.3	-	2.9	2.9	4.5	4.0	-
Narrow fabric mills .....	224	40.1	39.8	41.4	41.0	-	3.0	2.7	3.8	3.6	-
Knitting mills .....	225	38.1	37.4	40.7	40.6	-	2.8	2.8	3.9	3.8	-
Women's hosiery, except socks .....	2251	38.0	38.4	38.2	39.3	-	2.7	3.3	2.5	3.3	-
Hosiery, nec .....	2252	38.2	37.4	40.1	39.6	-	2.2	1.7	3.4	3.1	-
Knit outerwear mills .....	2253	36.8	35.1	41.7	40.8	-	3.0	3.0	4.8	4.3	-
Knit underwear mills .....	2254	37.6	36.6	38.8	39.3	-	1.7	1.7	2.4	2.4	-
Weft knit fabric mills .....	2257	39.5	38.9	42.5	42.7	-	3.4	3.1	5.0	5.2	-
Textile finishing, except wool .....	226	41.8	42.3	44.5	44.5	-	5.0	5.6	7.3	6.8	-
Finishing plants, cotton .....	2261	42.5	43.2	46.1	46.4	-	5.4	5.9	8.5	8.2	-
Finishing plants, synthetics .....	2262	42.4	42.5	44.1	43.6	-	5.5	6.2	7.2	6.5	-
Carpets and rugs .....	227	42.6	42.4	43.1	43.5	-	4.7	4.1	5.6	5.8	-
Yarn and thread mills .....	228	39.4	38.4	41.4	41.0	-	3.3	2.8	4.4	4.3	-
Yarn spinning mills .....	2281	40.1	38.8	41.9	41.5	-	3.6	2.9	4.7	4.4	-
Throwing and winding mills .....	2282	35.2	35.5	37.7	36.9	-	2.1	2.5	2.2	2.8	-
Miscellaneous textile goods .....	229	41.4	41.9	42.0	41.6	-	3.8	4.0	4.1	4.0	-
Apparel and other textile products .....	23	36.6	36.6	37.5	37.6	37.5	1.8	1.7	2.1	2.1	-
Men's and boys' suits and coats .....	231	36.1	36.8	37.0	37.1	-	.8	1.1	1.1	1.0	-
Men's and boys' furnishings .....	232	36.4	36.1	37.3	37.4	-	1.3	1.4	1.8	1.8	-
Men's and boys' shirts .....	2321	35.5	35.7	37.0	37.3	-	.9	1.3	1.7	1.8	-
Men's and boys' trousers and slacks .....	2325	35.7	35.3	36.4	36.4	-	1.3	1.2	1.7	1.5	-
Men's and boys' work clothing .....	2326	37.0	36.8	37.1	37.1	-	1.1	1.3	1.6	1.5	-
Women's and misses' outerwear .....	233	34.9	35.3	35.8	36.1	-	1.5	1.6	1.7	1.8	-
Women's and misses' blouses and shirts .....	2331	35.3	35.0	35.5	36.6	-	1.0	.8	.9	1.1	-
Women's, juniors', and misses' dresses .....	2335	33.2	33.5	35.2	35.6	-	1.2	1.1	1.6	1.7	-
Women's and misses' suits and coats .....	2337	34.7	34.8	34.8	34.2	-	2.1	2.0	1.8	1.6	-
Women's and misses' outerwear, nec .....	2339	35.4	36.0	36.3	36.5	-	1.6	1.8	1.9	2.0	-
Women's and children's undergarments .....	234	38.5	38.1	39.3	38.8	-	1.9	1.8	2.6	2.5	-
Women's and children's underwear .....	2341	39.2	38.5	39.9	39.1	-	2.0	1.8	2.7	2.5	-
Brassieres, girdles, and allied garments .....	2342	34.9	35.9	36.1	36.9	-	1.3	1.6	1.9	2.3	-
Girls' and children's outerwear .....	236	36.0	36.9	37.7	37.8	-	1.5	1.6	2.3	2.0	-
Girls' and children's dresses and blouses .....	2361	36.6	37.2	37.7	38.5	-	2.1	2.0	2.8	2.7	-
Misc. apparel and accessories .....	238	37.2	36.9	37.9	38.5	-	2.0	1.4	1.9	2.1	-
Misc. fabricated textile products .....	239	39.4	39.0	40.0	40.0	-	3.1	2.8	3.4	3.2	-
Curtains and draperies .....	2391	35.2	37.0	38.4	38.0	-	1.3	2.2	2.1	2.4	-
House furnishings, nec .....	2392	40.1	40.1	39.1	40.1	-	3.6	3.8	3.9	3.8	-
Automotive and apparel trimmings .....	2396	41.1	39.6	41.3	40.7	-	4.0	2.8	4.1	3.5	-
Paper and allied products .....	26	43.6	43.8	43.8	43.6	44.1	5.1	5.2	5.5	5.2	-
Paper mills .....	262	45.8	45.2	45.3	45.3	-	5.8	5.9	6.1	6.1	-
Paperboard mills .....	263	45.6	46.7	45.9	45.3	-	7.3	8.2	7.6	7.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	\$10.93	\$10.99	\$11.27	\$11.26	-	\$431.74	\$437.40	\$449.67	\$445.90	-
Bread, cake, and related products .....	2051	10.92	10.96	11.30	11.34	-	425.88	431.82	444.09	441.13	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	10.93	11.03	11.23	11.12	-	441.57	445.61	462.68	455.92	-
Sugar and confectionery products .....	206	9.92	10.07	10.70	10.31	-	410.69	428.98	435.49	427.87	-
Raw cane sugar .....	2061	10.20	9.87	10.64	9.85	-	435.54	528.05	499.02	480.68	-
Cane sugar refining .....	2062	14.60	14.80	14.69	15.15	-	700.80	774.04	706.59	724.17	-
Beet sugar .....	2063	9.32	10.12	11.56	10.11	-	376.53	408.85	454.31	404.40	-
Candy and other confectionery products .....	2064	8.93	9.10	9.71	9.49	-	362.56	373.10	383.55	380.55	-
Fats and oils .....	207	10.24	10.26	10.37	10.11	-	464.90	469.91	455.24	446.86	-
Beverages .....	208	13.54	13.83	13.83	13.82	-	564.62	583.63	580.86	570.77	-
Malt beverages .....	2082	18.82	19.14	19.31	19.24	-	818.67	868.96	812.95	798.46	-
Bottled and canned soft drinks .....	2086	10.88	11.02	11.32	11.20	-	443.90	455.13	472.04	458.08	-
Misc. food and kindred products .....	209	9.13	9.14	9.16	9.31	-	359.72	361.03	363.65	364.95	-
Tobacco products .....	21	15.81	16.51	16.03	16.09	\$17.02	645.05	665.35	646.01	646.82	\$653.57
Cigarettes .....	211	19.92	20.27	20.39	20.40	-	812.74	837.15	811.52	813.96	-
Textile mill products .....	22	8.12	8.13	8.42	8.40	8.46	325.61	322.76	351.96	349.44	353.63
Broadwoven fabric mills, cotton .....	221	8.41	8.41	8.79	8.77	-	349.02	345.65	367.42	369.22	-
Broadwoven fabric mills, synthetics .....	222	8.72	8.80	9.02	9.04	-	359.26	359.04	380.64	374.26	-
Broadwoven fabric mills, wool .....	223	8.65	8.71	8.95	8.87	-	333.89	344.05	375.90	366.33	-
Narrow fabric mills .....	224	7.52	7.56	7.92	7.93	-	301.55	300.89	327.89	325.13	-
Knitting mills .....	225	7.48	7.45	7.73	7.71	-	284.99	278.63	314.61	313.03	-
Women's hosiery, except socks .....	2251	6.97	7.04	7.28	7.32	-	264.86	270.34	278.10	287.68	-
Hosiery, nec .....	2252	7.11	7.08	7.39	7.30	-	271.60	264.79	296.34	289.08	-
Knit outerwear mills .....	2253	7.50	7.39	7.56	7.59	-	276.00	259.39	315.25	309.67	-
Knit underwear mills .....	2254	7.36	7.30	7.68	7.67	-	276.74	267.18	297.98	301.43	-
Weft knit fabric mills .....	2257	8.02	8.07	8.45	8.45	-	316.79	313.92	359.13	360.82	-
Textile finishing, except wool .....	226	8.56	8.65	8.82	8.86	-	357.81	365.90	392.49	394.27	-
Finishing plants, cotton .....	2261	8.49	8.53	8.83	8.93	-	360.83	368.50	407.06	414.35	-
Finishing plants, synthetics .....	2262	8.98	9.08	9.17	9.15	-	380.75	385.90	404.40	398.94	-
Carpets and rugs .....	227	8.27	8.24	8.55	8.36	-	352.30	349.38	368.51	363.66	-
Yarn and thread mills .....	228	7.78	7.75	8.11	8.12	-	306.53	297.60	335.75	332.92	-
Yarn spinning mills .....	2281	7.79	7.73	8.13	8.13	-	312.38	299.92	340.65	337.40	-
Throwing and winding mills .....	2282	7.91	8.02	8.19	8.25	-	278.43	284.71	308.76	304.43	-
Miscellaneous textile goods .....	229	9.18	9.24	9.65	9.68	-	380.05	387.16	405.30	402.69	-
Apparel and other textile products .....	23	6.65	6.63	6.86	6.81	6.81	243.39	242.66	257.25	256.06	255.38
Men's and boys' suits and coats .....	231	7.32	7.32	7.42	7.44	-	264.25	269.38	274.54	276.02	-
Men's and boys' furnishings .....	232	6.11	6.13	6.35	6.33	-	222.40	221.29	236.86	236.74	-
Men's and boys' shirts .....	2321	6.00	6.07	6.31	6.29	-	213.00	216.70	233.47	234.62	-
Men's and boys' trousers and slacks .....	2325	6.01	6.00	6.22	6.21	-	214.56	211.80	226.41	226.04	-
Men's and boys' work clothing .....	2326	5.92	5.94	6.15	6.11	-	219.04	218.59	228.17	226.68	-
Women's and misses' outerwear .....	233	6.35	6.38	6.60	6.52	-	221.62	225.21	236.28	235.37	-
Women's and misses' blouses and shirts .....	2331	5.63	5.62	5.89	5.84	-	198.74	196.70	209.10	213.74	-
Women's, juniors', and misses' dresses .....	2335	6.88	6.82	6.97	6.88	-	228.42	228.47	245.34	244.93	-
Women's and misses' suits and coats .....	2337	7.01	7.09	7.23	7.14	-	243.25	246.73	251.60	244.19	-
Women's and misses' outerwear, nec .....	2339	6.19	6.24	6.48	6.42	-	219.13	224.64	235.22	234.33	-
Women's and children's undergarments .....	234	6.25	6.21	6.58	6.55	-	240.63	236.60	258.59	254.14	-
Women's and children's underwear .....	2341	6.11	6.07	6.47	6.39	-	239.51	233.70	258.15	249.85	-
Brassieres, girdles, and allied garments .....	2342	7.08	7.03	7.27	7.47	-	247.09	252.38	262.45	275.64	-
Girls' and children's outerwear .....	236	5.99	6.02	6.19	6.17	-	215.64	222.14	233.36	233.23	-
Girls' and children's dresses and blouses .....	2361	5.91	5.87	6.01	6.08	-	216.31	218.36	226.58	234.08	-
Misc. apparel and accessories .....	238	6.46	6.46	6.64	6.66	-	240.31	238.37	251.66	256.41	-
Misc. fabricated textile products .....	239	7.95	7.81	8.12	8.00	-	313.23	304.59	324.80	320.00	-
Curtains and draperies .....	2391	6.60	6.62	6.73	6.77	-	232.32	244.94	258.43	257.26	-
House furnishings, nec .....	2392	6.77	6.78	7.00	6.94	-	271.48	271.88	273.70	278.29	-
Automotive and apparel trimmings .....	2396	11.22	10.89	11.03	10.69	-	461.14	431.24	455.54	435.08	-
Paper and allied products .....	26	12.43	12.53	12.80	12.80	12.89	541.95	548.81	560.64	558.08	568.45
Paper mills .....	262	15.33	15.50	15.80	15.83	-	702.11	700.60	715.74	717.10	-
Paperboard mills .....	263	15.58	15.75	15.89	15.93	-	710.45	735.53	729.35	721.63	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	42.9	43.2	43.8	43.5	-	4.9	4.8	5.5	5.0	-
Corrugated and solid fiber boxes .....	2653	43.8	43.8	44.9	44.2	-	5.6	5.4	6.4	5.8	-
Sanitary food containers .....	2656	43.7	44.5	43.5	41.9	-	4.4	4.1	4.3	3.2	-
Folding paperboard boxes .....	2657	42.0	42.6	42.6	42.6	-	4.6	4.8	4.9	4.7	-
Misc. converted paper products .....	267	42.1	42.4	42.2	42.1	-	4.3	4.4	4.5	4.3	-
Paper, coated and laminated, nec .....	2672	42.6	43.4	42.1	42.3	-	3.4	4.0	4.0	3.8	-
Bags: plastics, laminated, and coated .....	2673	41.8	42.0	41.8	41.8	-	4.9	5.2	4.8	4.6	-
Envelopes .....	2677	41.6	41.7	41.8	41.7	-	3.8	3.6	3.8	3.3	-
Printing and publishing .....	27	38.0	38.1	38.1	37.9	38.3	3.2	3.2	3.2	3.1	-
Newspapers .....	271	32.9	33.8	32.7	32.7	-	1.2	1.7	1.1	1.1	-
Periodicals .....	272	38.6	38.3	38.2	39.0	-	3.7	3.6	3.3	4.0	-
Books .....	273	38.3	38.5	40.0	38.8	-	3.1	3.1	4.0	3.3	-
Book publishing .....	2731	38.3	38.7	39.0	38.0	-	2.5	2.0	2.3	2.0	-
Book printing .....	2732	38.2	38.4	41.1	39.8	-	3.8	4.5	6.0	4.9	-
Miscellaneous publishing .....	274	36.2	36.2	35.9	36.6	-	1.9	1.9	1.9	1.7	-
Commercial printing .....	275	39.7	39.6	39.8	39.5	-	3.9	3.8	4.0	3.8	-
Commercial printing, lithographic .....	2752	39.3	39.3	39.4	39.1	-	3.8	3.7	3.8	3.6	-
Commercial printing, nec .....	2759	40.2	40.0	40.0	40.0	-	3.7	3.8	4.0	3.9	-
Manifold business forms .....	276	41.4	41.9	41.2	41.6	-	3.2	3.8	4.0	4.2	-
Blankbooks and bookbinding .....	278	38.3	37.7	38.4	37.7	-	2.8	2.6	2.5	2.0	-
Printing trade services .....	279	39.2	39.4	39.7	39.1	-	4.5	4.3	4.6	4.1	-
Chemicals and allied products .....	28	42.5	42.9	43.2	43.1	43.7	4.5	4.4	4.9	4.8	-
Industrial inorganic chemicals .....	281	43.4	43.8	43.8	44.2	-	4.6	4.6	4.9	4.9	-
Industrial inorganic chemicals, nec .....	2819	42.9	43.7	43.7	44.0	-	4.3	4.6	4.9	4.7	-
Plastics materials and synthetics .....	282	42.6	43.0	42.8	43.0	-	5.2	5.2	5.4	5.6	-
Plastics materials and resins .....	2821	44.4	44.2	43.8	43.8	-	6.3	5.9	6.1	6.1	-
Organic fibers, noncellulosic .....	2824	41.0	42.1	41.9	42.2	-	4.0	4.5	4.4	4.8	-
Drugs .....	283	41.5	42.2	42.6	42.1	-	4.0	4.0	4.0	4.1	-
Pharmaceutical preparations .....	2834	41.5	42.4	42.6	42.0	-	4.0	3.9	4.1	4.0	-
Soap, cleaners, and toilet goods .....	284	40.3	40.6	41.7	40.9	-	3.1	2.7	4.1	3.4	-
Soap and other detergents .....	2841	42.3	41.9	42.9	42.0	-	5.3	4.5	5.8	4.3	-
Polishing, sanitation, and finishing preparations .....	2842,3	40.6	40.3	42.7	41.6	-	3.1	2.4	4.7	4.0	-
Toilet preparations .....	2844	39.0	40.0	40.3	39.9	-	1.7	1.8	2.7	2.5	-
Paints and allied products .....	285	41.9	41.4	42.2	42.1	-	3.3	2.9	4.2	3.5	-
Industrial organic chemicals .....	286	45.1	45.3	46.6	46.8	-	6.0	5.7	6.5	6.7	-
Cyclic crudes and intermediates .....	2865	43.5	44.5	46.0	44.9	-	5.7	5.2	7.3	6.2	-
Industrial organic chemicals, nec .....	2869	45.6	45.6	46.8	47.5	-	6.2	5.9	6.4	6.9	-
Agricultural chemicals .....	287	44.3	44.2	44.3	44.4	-	5.9	5.8	5.7	6.5	-
Miscellaneous chemical products .....	289	42.3	43.1	42.8	42.2	-	4.4	4.5	4.5	4.4	-
Petroleum and coal products .....	29	43.8	46.0	44.6	43.9	42.7	6.4	6.8	6.8	6.6	-
Petroleum refining .....	291	44.0	47.3	44.2	43.5	-	6.1	6.9	6.3	6.2	-
Asphalt paving and roofing materials .....	295	44.2	42.8	47.1	46.4	-	7.8	7.2	9.4	8.6	-
Rubber and misc. plastics products .....	30	41.3	41.0	41.5	41.6	41.5	3.8	3.5	4.1	4.0	-
Tires and inner tubes .....	301	43.7	43.3	41.5	42.9	-	5.5	5.1	4.4	5.0	-
Rubber and plastics footwear .....	302	42.7	42.6	44.0	43.9	-	3.4	3.1	4.3	4.2	-
Hose, belting, gaskets, and packing .....	305	42.4	42.1	42.2	41.6	-	3.7	3.7	3.9	3.5	-
Rubber and plastics hose and belting .....	3052	42.3	41.8	42.5	41.5	-	4.0	3.8	3.4	3.1	-
Fabricated rubber products, nec .....	306	41.0	40.3	41.1	41.2	-	3.1	2.7	3.5	3.4	-
Miscellaneous plastics products, nec .....	308	40.9	40.8	41.5	41.4	-	3.7	3.4	4.2	3.9	-
Leather and leather products .....	31	37.3	36.7	37.9	37.2	37.7	2.0	1.8	2.4	2.2	-
Leather tanning and finishing .....	311	41.4	41.2	43.6	43.0	-	3.5	3.9	5.5	5.3	-
Footwear, except rubber .....	314	35.9	35.5	36.4	35.2	-	1.3	1.1	1.7	1.5	-
Men's footwear, except athletic .....	3143	36.0	35.7	36.5	35.6	-	1.0	1.2	1.8	1.9	-
Women's footwear, except athletic .....	3144	35.3	34.8	35.5	34.0	-	1.2	1.0	1.5	1.0	-
Luggage .....	316	42.1	40.6	40.3	40.0	-	3.1	3.2	2.9	2.2	-
Handbags and personal leather goods .....	317	38.1	37.3	38.3	38.6	-	2.5	2.2	1.8	1.9	-
<b>Transportation and public utilities .....</b>		<b>38.7</b>	<b>38.8</b>	<b>39.1</b>	<b>38.8</b>	<b>38.6</b>	-	-	-	-	-
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	44.0	44.5	47.4	47.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	\$10.46	\$10.50	\$10.84	\$10.80	-	\$448.73	\$453.60	\$474.79	\$469.80	-
Corrugated and solid fiber boxes .....	2653	10.59	10.59	10.95	10.91	-	463.84	463.84	491.66	482.22	-
Sanitary food containers .....	2656	10.37	10.26	10.70	10.76	-	453.17	456.57	465.45	450.84	-
Folding paperboard boxes .....	2657	10.72	10.84	11.19	11.12	-	450.24	461.78	476.69	473.71	-
Misc. converted paper products .....	267	10.87	10.98	11.16	11.17	-	457.63	465.55	470.95	470.26	-
Paper, coated and laminated, nec .....	2672	12.38	12.54	12.69	12.76	-	527.39	544.24	534.25	539.75	-
Bags: plastics, laminated, and coated .....	2673	10.26	10.40	10.50	10.53	-	428.87	436.80	438.90	440.15	-
Envelopes .....	2677	10.24	10.26	10.62	10.56	-	425.98	427.84	443.92	440.35	-
Printing and publishing .....	27	11.36	11.38	11.65	11.64	\$11.61	431.68	433.58	443.87	441.16	\$444.66
Newspapers .....	271	11.20	11.29	11.55	11.53	-	368.48	381.60	377.69	377.03	-
Periodicals .....	272	11.95	11.99	12.56	12.65	-	461.27	459.22	479.79	493.35	-
Books .....	273	10.56	10.43	10.66	10.53	-	404.45	401.56	426.40	408.56	-
Book publishing .....	2731	10.53	10.29	10.37	10.26	-	403.30	398.22	404.43	389.88	-
Book printing .....	2732	10.60	10.59	10.99	10.84	-	404.92	406.66	451.69	431.43	-
Miscellaneous publishing .....	274	10.32	10.45	10.72	10.81	-	373.58	378.29	384.85	395.65	-
Commercial printing .....	275	11.63	11.60	11.94	11.91	-	461.71	459.36	475.21	470.45	-
Commercial printing, lithographic .....	2752	11.74	11.66	11.95	11.96	-	461.38	458.24	470.83	467.64	-
Commercial printing, nec .....	2759	11.32	11.42	11.84	11.73	-	455.06	456.80	473.60	469.20	-
Manifold business forms .....	276	11.69	11.97	12.10	12.15	-	483.97	501.54	498.52	505.44	-
Blankbooks and bookbinding .....	278	8.94	8.98	9.11	9.11	-	342.40	338.55	349.82	343.45	-
Printing trade services .....	279	13.89	13.82	13.93	13.96	-	544.49	544.51	553.02	545.84	-
Chemicals and allied products .....	28	13.74	13.75	14.21	14.25	14.38	583.95	589.88	613.87	614.18	628.41
Industrial inorganic chemicals .....	281	14.91	14.99	15.43	15.52	-	647.09	656.56	675.83	685.98	-
Industrial inorganic chemicals, nec .....	2819	15.08	15.30	15.71	15.82	-	646.93	668.61	686.53	696.08	-
Plastics materials and synthetics .....	282	14.13	14.25	15.03	15.09	-	601.94	612.75	643.28	648.87	-
Plastics materials and resins .....	2821	15.04	14.99	15.57	15.66	-	667.78	662.56	681.97	685.91	-
Organic fibers, noncellulosic .....	2824	13.25	13.58	14.31	14.43	-	543.25	571.72	599.59	608.95	-
Drugs .....	283	13.17	13.02	13.67	13.75	-	546.56	549.44	582.34	578.88	-
Pharmaceutical preparations .....	2834	13.13	12.96	13.71	13.81	-	544.90	549.50	584.05	580.02	-
Soap, cleaners, and toilet goods .....	284	11.89	11.87	12.08	11.94	-	479.17	481.92	503.74	488.35	-
Soap and other detergents .....	2841	15.80	15.33	15.41	15.03	-	668.34	642.33	661.09	631.26	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.37	10.45	10.85	10.74	-	421.02	421.14	463.30	446.78	-
Toilet preparations .....	2844	10.16	10.34	10.58	10.57	-	396.24	413.60	426.37	421.74	-
Paints and allied products .....	285	12.06	12.17	12.65	12.61	-	505.31	503.84	533.83	530.88	-
Industrial organic chemicals .....	286	16.12	16.17	16.75	16.80	-	727.01	732.50	780.55	786.24	-
Cyclic crudes and intermediates .....	2865	15.80	15.99	16.14	16.24	-	687.30	711.56	742.44	729.18	-
Industrial organic chemicals, nec .....	2869	16.36	16.38	17.05	17.10	-	746.02	746.93	797.94	812.25	-
Agricultural chemicals .....	287	14.30	14.13	14.41	14.49	-	633.49	624.55	638.36	643.36	-
Miscellaneous chemical products .....	289	12.43	12.41	12.67	12.72	-	525.79	534.87	542.28	536.78	-
Petroleum and coal products .....	29	16.40	16.59	17.16	17.14	17.28	718.32	763.14	765.34	752.45	737.86
Petroleum refining .....	291	17.76	17.92	18.72	18.68	-	781.44	847.62	827.42	812.58	-
Asphalt paving and roofing materials .....	295	13.38	13.07	13.33	13.35	-	591.40	559.40	627.84	619.44	-
Rubber and misc. plastics products .....	30	9.87	9.92	10.16	10.15	10.22	407.63	406.72	421.64	422.24	424.13
Tires and inner tubes .....	301	15.88	15.71	16.02	16.17	-	693.96	680.24	664.83	693.69	-
Rubber and plastics footwear .....	302	6.64	6.75	6.92	7.12	-	283.53	287.55	304.48	312.57	-
Hose, belting, gaskets, and packing .....	305	9.68	9.83	10.06	10.08	-	410.43	413.84	424.53	419.33	-
Rubber and plastics hose and belting .....	3052	9.96	10.01	10.25	10.28	-	421.31	418.42	435.63	426.62	-
Fabricated rubber products, nec .....	306	9.40	9.44	9.67	9.65	-	385.40	380.43	397.44	397.58	-
Miscellaneous plastics products, nec .....	308	9.21	9.27	9.56	9.49	-	376.69	378.22	396.74	392.89	-
Leather and leather products .....	31	6.96	6.99	7.18	7.19	7.25	259.61	256.53	272.12	267.47	273.33
Leather tanning and finishing .....	311	9.09	9.20	9.60	9.56	-	376.33	379.04	418.56	411.08	-
Footwear, except rubber .....	314	6.70	6.69	6.78	6.78	-	240.53	237.50	246.79	238.66	-
Men's footwear, except athletic .....	3143	7.21	7.28	7.36	7.32	-	259.56	259.90	268.64	260.59	-
Women's footwear, except athletic .....	3144	6.17	6.15	6.32	6.37	-	217.80	214.02	224.36	216.58	-
Luggage .....	316	6.95	7.02	6.78	6.83	-	292.60	285.01	273.23	273.20	-
Handbags and personal leather goods .....	317	6.09	6.18	6.40	6.40	-	232.03	230.51	245.12	247.04	-
<b>Transportation and public utilities .....</b>		<b>13.08</b>	<b>13.09</b>	<b>13.32</b>	<b>13.29</b>	<b>13.34</b>	<b>506.20</b>	<b>507.89</b>	<b>520.81</b>	<b>515.65</b>	<b>514.92</b>
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	15.77	15.97	15.96	15.87	-	693.88	710.67	756.50	753.83	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	32.7	32.4	32.8	33.2	-	-	-	-	-	-
Local and suburban transportation .....	411	37.9	37.9	37.4	37.1	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	40.4	39.0	38.7	40.9	-	-	-	-	-	-
Trucking and warehousing .....	42	38.6	38.2	39.0	38.9	-	-	-	-	-	-
Trucking and courier services, except air .....	421	38.5	38.1	38.9	38.7	-	-	-	-	-	-
Public warehousing and storage .....	422	40.1	40.4	39.9	40.7	-	-	-	-	-	-
Pipelines, except natural gas .....	46	40.6	41.9	42.1	41.2	-	-	-	-	-	-
Transportation services:											
Passenger transportation arrangement .....	472	35.8	35.7	36.4	35.9	-	-	-	-	-	-
Travel agencies .....	4724	36.0	35.8	36.4	36.0	-	-	-	-	-	-
Freight transportation arrangement .....	473	37.5	37.7	37.2	36.0	-	-	-	-	-	-
Communications .....	48	39.1	39.3	39.6	39.0	-	-	-	-	-	-
Telephone communications .....	481	40.6	41.0	41.0	40.3	-	-	-	-	-	-
Radio and television broadcasting .....	483	34.4	34.5	35.4	34.6	-	-	-	-	-	-
Cable and other pay television services .....	484	38.3	37.7	39.2	38.6	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	41.4	41.7	41.7	41.8	-	-	-	-	-	-
Electric services .....	491	41.6	41.5	41.7	41.7	-	-	-	-	-	-
Gas production and distribution .....	492	42.4	42.8	42.3	42.8	-	-	-	-	-	-
Combination utility services .....	493	40.0	41.2	41.2	41.7	-	-	-	-	-	-
Sanitary services .....	495	42.1	42.3	42.0	42.0	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.1</b>	<b>38.0</b>	<b>38.4</b>	<b>38.2</b>	<b>38.1</b>	-	-	-	-	-
Durable goods .....	50	38.5	38.5	38.9	38.6	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	37.8	37.9	37.9	37.7	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.1	37.3	36.8	36.7	-	-	-	-	-	-
Lumber and other construction materials .....	503	39.8	39.5	40.6	40.1	-	-	-	-	-	-
Professional and commercial equipment .....	504	38.8	38.8	39.1	38.9	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	39.9	40.1	40.7	40.7	-	-	-	-	-	-
Electrical goods .....	506	38.4	38.5	39.1	38.8	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.9	38.8	38.8	38.4	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	38.9	38.7	39.4	39.1	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	37.2	37.0	37.1	37.0	-	-	-	-	-	-
Nondurable goods .....	51	37.4	37.4	37.8	37.6	-	-	-	-	-	-
Paper and paper products .....	511	37.4	37.5	37.5	36.9	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	37.0	36.9	37.6	37.1	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	36.9	36.9	37.1	37.3	-	-	-	-	-	-
Groceries and related products .....	514	38.0	38.3	38.5	38.4	-	-	-	-	-	-
Chemicals and allied products .....	516	39.6	40.3	40.3	39.9	-	-	-	-	-	-
Petroleum and petroleum products .....	517	38.0	37.9	38.3	37.9	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	36.4	36.3	36.6	36.3	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.6	36.2	36.7	36.7	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>28.4</b>	<b>28.4</b>	<b>28.8</b>	<b>28.5</b>	<b>28.5</b>	-	-	-	-	-
Building materials and garden supplies .....	52	35.7	35.8	36.2	35.8	-	-	-	-	-	-
Lumber and other building materials .....	521	37.6	37.6	38.3	37.9	-	-	-	-	-	-
Hardware stores .....	525	31.7	32.0	32.2	31.8	-	-	-	-	-	-
General merchandise stores .....	53	27.9	28.1	28.8	28.4	-	-	-	-	-	-
Department stores .....	531	27.8	28.0	28.8	28.5	-	-	-	-	-	-
Variety stores .....	533	27.8	28.0	27.1	27.0	-	-	-	-	-	-
Misc. general merchandise stores .....	539	28.8	29.4	29.6	29.0	-	-	-	-	-	-
Food stores .....	54	29.2	29.5	29.6	29.0	-	-	-	-	-	-
Grocery stores .....	541	29.4	29.7	29.8	29.1	-	-	-	-	-	-
Retail bakeries .....	546	28.6	28.7	28.5	28.5	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	\$9.27	\$9.28	\$9.52	\$9.55	-	\$303.13	\$300.67	\$312.26	\$317.06	-
Local and suburban transportation .....	411	9.94	9.97	10.18	10.27	-	376.73	377.86	380.73	381.02	-
Intercity and rural bus transportation .....	413	11.88	12.11	12.77	12.87	-	479.95	472.29	494.20	526.38	-
Trucking and warehousing .....	42	11.76	11.76	12.01	12.01	-	453.94	449.23	468.39	467.19	-
Trucking and courier services, except air .....	421	11.94	11.91	12.17	12.21	-	459.69	453.77	473.41	472.53	-
Public warehousing and storage .....	422	9.48	9.80	9.76	9.53	-	380.15	395.92	389.42	387.87	-
Pipelines, except natural gas .....	46	17.17	17.15	17.78	17.74	-	697.10	718.59	748.54	730.89	-
Transportation services:											
Passenger transportation arrangement .....	472	9.18	9.26	9.63	9.59	-	328.64	330.58	350.53	344.28	-
Travel agencies .....	4724	9.30	9.35	9.74	9.68	-	334.80	334.73	354.54	348.48	-
Freight transportation arrangement .....	473	12.22	12.31	12.39	12.19	-	458.25	464.09	460.91	438.84	-
Communications .....	48	13.66	13.64	14.16	14.19	-	534.11	536.05	560.74	553.41	-
Telephone communications .....	481	14.27	14.23	14.87	14.89	-	579.36	583.43	609.67	600.07	-
Radio and television broadcasting .....	483	12.97	13.03	13.47	13.57	-	446.17	449.54	476.84	469.52	-
Cable and other pay television services .....	484	10.69	10.53	10.86	10.87	-	409.43	396.98	425.71	419.58	-
Electric, gas, and sanitary services .....	49	15.62	15.75	15.97	15.91	-	646.67	656.78	665.95	665.04	-
Electric services .....	491	16.02	16.12	16.47	16.42	-	666.43	668.98	686.80	684.71	-
Gas production and distribution .....	492	14.57	14.74	15.17	15.19	-	617.77	630.87	641.69	650.13	-
Combination utility services .....	493	18.94	19.06	19.12	19.02	-	757.60	785.27	787.74	793.13	-
Sanitary services .....	495	11.60	11.70	11.90	11.71	-	488.36	494.91	499.80	491.82	-
<b>Wholesale trade .....</b>		<b>10.86</b>	<b>10.93</b>	<b>11.24</b>	<b>11.18</b>	<b>\$11.25</b>	<b>413.77</b>	<b>415.34</b>	<b>431.62</b>	<b>427.08</b>	<b>\$428.63</b>
Durable goods .....	50	11.26	11.31	11.63	11.57	-	433.51	435.44	452.41	446.60	-
Motor vehicles, parts, and supplies .....	501	10.10	10.16	10.42	10.39	-	381.78	385.06	394.92	391.70	-
Furniture and home furnishings .....	502	10.15	10.30	10.19	10.19	-	376.57	384.19	374.99	373.97	-
Lumber and other construction materials .....	503	10.60	10.70	10.82	10.81	-	421.88	422.65	439.29	433.48	-
Professional and commercial equipment .....	504	13.38	13.38	13.85	13.73	-	519.14	519.14	541.54	534.10	-
Metals and minerals, except petroleum .....	505	11.35	11.39	11.71	11.59	-	452.87	456.74	476.60	471.71	-
Electrical goods .....	506	11.43	11.55	11.95	11.88	-	438.91	444.68	467.25	460.94	-
Hardware, plumbing, and heating equipment .....	507	10.64	10.66	11.09	11.05	-	413.90	413.61	430.29	424.32	-
Machinery, equipment, and supplies .....	508	11.19	11.23	11.56	11.54	-	435.29	434.60	455.46	451.21	-
Misc. wholesale trade durable goods .....	509	8.93	8.91	8.97	8.92	-	332.20	329.67	332.79	330.04	-
Nondurable goods .....	51	10.30	10.40	10.72	10.66	-	385.22	388.96	405.22	400.82	-
Paper and paper products .....	511	10.97	10.95	11.35	11.29	-	410.28	410.63	425.63	416.60	-
Drugs, proprietaries, and sundries .....	512	11.87	12.07	12.72	12.54	-	439.19	445.38	478.27	465.23	-
Apparel, piece goods, and notions .....	513	9.97	9.99	10.46	10.43	-	367.89	368.63	388.07	389.04	-
Groceries and related products .....	514	10.47	10.60	10.79	10.77	-	397.86	405.98	415.42	413.57	-
Chemicals and allied products .....	516	12.47	12.56	12.88	12.82	-	493.81	506.17	519.06	511.52	-
Petroleum and petroleum products .....	517	10.13	10.20	10.46	10.38	-	384.94	386.58	400.62	393.40	-
Beer, wine, and distilled beverages .....	518	12.15	12.34	12.67	12.56	-	442.26	447.94	463.72	455.93	-
Misc. wholesale trade nondurable goods .....	519	8.72	8.73	9.09	9.11	-	319.15	316.03	333.60	334.34	-
<b>Retail trade .....</b>		<b>6.83</b>	<b>6.86</b>	<b>7.07</b>	<b>7.07</b>	<b>7.12</b>	<b>193.97</b>	<b>194.82</b>	<b>203.62</b>	<b>201.50</b>	<b>202.92</b>
Building materials and garden supplies .....	52	8.09	8.06	8.25	8.25	-	288.81	288.55	298.65	295.35	-
Lumber and other building materials .....	521	8.44	8.42	8.56	8.59	-	317.34	316.59	327.85	325.56	-
Hardware stores .....	525	6.83	6.81	7.10	7.08	-	216.51	217.92	228.62	225.14	-
General merchandise stores .....	53	6.85	6.78	7.14	7.08	-	191.12	190.52	205.63	201.07	-
Department stores .....	531	6.98	6.92	7.24	7.17	-	194.04	193.76	208.51	204.35	-
Variety stores .....	533	5.58	5.58	5.80	5.79	-	155.12	156.24	157.18	156.33	-
Misc. general merchandise stores .....	539	6.48	6.32	7.14	7.20	-	186.62	185.81	211.34	208.80	-
Food stores .....	54	7.42	7.58	7.67	7.66	-	216.66	223.61	227.03	222.14	-
Grocery stores .....	541	7.50	7.68	7.77	7.75	-	220.50	228.10	231.55	225.53	-
Retail bakeries .....	546	6.39	6.39	6.59	6.62	-	182.75	183.39	187.82	188.67	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Retail trade—Continued</b>											
Automotive dealers and service stations .....	55	35.9	36.0	36.0	35.8	-	-	-	-	-	-
New and used car dealers .....	551	37.1	37.1	37.3	37.1	-	-	-	-	-	-
Auto and home supply stores .....	553	37.9	38.1	38.3	37.9	-	-	-	-	-	-
Gasoline service stations .....	554	33.5	33.6	33.4	33.4	-	-	-	-	-	-
Automotive dealers, nec .....	559	35.1	35.1	35.3	34.7	-	-	-	-	-	-
Apparel and accessory stores .....	56	26.6	26.6	26.8	26.6	-	-	-	-	-	-
Men's and boys' clothing stores .....	561	27.3	27.4	28.8	28.6	-	-	-	-	-	-
Women's clothing stores .....	562	23.7	23.7	24.4	24.1	-	-	-	-	-	-
Family clothing stores .....	565	27.0	27.1	27.4	27.1	-	-	-	-	-	-
Shoe stores .....	566	30.1	30.4	30.1	29.4	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	32.6	32.5	33.3	33.1	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	33.1	33.2	33.6	33.3	-	-	-	-	-	-
Household appliance stores .....	572	33.3	33.0	34.7	34.2	-	-	-	-	-	-
Radio, television, and computer stores .....	573	31.8	31.3	32.4	32.4	-	-	-	-	-	-
Radio, television, and electronic stores .....	5731	31.5	31.4	31.8	31.8	-	-	-	-	-	-
Record and prerecorded tape stores .....	5735	26.3	25.5	26.3	26.2	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	24.7	24.5	25.0	24.8	-	-	-	-	-	-
Miscellaneous retail establishments .....	59	29.2	29.1	29.5	29.3	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	27.3	27.4	27.7	27.5	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	27.8	27.3	28.1	27.5	-	-	-	-	-	-
Nonstore retailers .....	596	32.2	32.5	34.1	33.8	-	-	-	-	-	-
Fuel dealers .....	598	37.3	38.0	37.5	38.1	-	-	-	-	-	-
Retail stores, nec .....	599	31.0	31.0	30.9	31.1	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup> .....</b>		<b>35.5</b>	<b>35.6</b>	<b>36.1</b>	<b>35.5</b>	<b>35.6</b>	-	-	-	-	-
Depository institutions .....	60	35.2	35.3	35.8	35.1	-	-	-	-	-	-
Commercial banks .....	602	35.0	35.2	35.7	34.9	-	-	-	-	-	-
Credit unions .....	606	35.3	35.4	35.7	35.3	-	-	-	-	-	-
Nondepository institutions .....	61	37.3	37.1	38.3	37.5	-	-	-	-	-	-
Personal credit institutions .....	614	37.5	37.4	38.1	37.7	-	-	-	-	-	-
Security and commodity brokers:											
Security and commodity services .....	628	37.1	37.6	37.6	36.9	-	-	-	-	-	-
Insurance carriers .....	63	37.3	37.4	37.7	37.4	-	-	-	-	-	-
Life insurance .....	631	36.8	37.1	37.1	36.6	-	-	-	-	-	-
Medical service and health insurance .....	632	38.2	38.4	37.9	38.2	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	37.2	37.2	37.9	37.5	-	-	-	-	-	-
<b>Services .....</b>		<b>32.4</b>	<b>32.4</b>	<b>32.6</b>	<b>32.4</b>	<b>32.4</b>	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	30.9	30.5	31.1	30.8	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services .....	721	34.0	34.0	33.9	34.2	-	-	-	-	-	-
Beauty shops <sup>4</sup> .....	723	29.2	29.5	29.1	28.9	-	-	-	-	-	-
Miscellaneous personal services .....	729	25.3	25.5	24.6	25.0	-	-	-	-	-	-
Business services .....	73	33.0	33.0	33.3	33.1	-	-	-	-	-	-
Advertising .....	731	36.1	36.2	36.5	36.3	-	-	-	-	-	-
Services to buildings .....	734	28.6	28.5	28.5	28.4	-	-	-	-	-	-
Personnel supply services:											
Help supply services .....	7363	30.7	31.0	30.8	30.7	-	-	-	-	-	-
Computer and data processing services .....	737	37.8	37.7	38.4	37.8	-	-	-	-	-	-
Computer programming services .....	7371	38.6	38.6	38.6	38.4	-	-	-	-	-	-
Miscellaneous business services .....	738	34.2	34.2	34.3	34.2	-	-	-	-	-	-
Detective and armored car services .....	7381	33.6	33.5	33.8	33.7	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Retail trade—Continued</b>											
Automotive dealers and service stations .....	55	\$8.94	\$8.96	\$9.21	\$9.14	-	\$320.95	\$322.56	\$331.56	\$327.21	-
New and used car dealers .....	551	11.03	11.06	11.41	11.26	-	409.21	410.33	425.59	417.75	-
Auto and home supply stores .....	553	7.85	7.87	8.07	8.08	-	297.52	299.85	309.08	306.23	-
Gasoline service stations .....	554	6.25	6.28	6.44	6.45	-	209.38	211.01	215.10	215.43	-
Automotive dealers, nec .....	559	10.77	10.73	10.51	10.40	-	378.03	376.62	371.00	360.88	-
Apparel and accessory stores .....	56	6.36	6.37	6.76	6.78	-	169.18	169.44	181.17	180.35	-
Men's and boys' clothing stores .....	561	7.68	7.60	8.14	8.24	-	209.66	208.24	234.43	235.66	-
Women's clothing stores .....	562	6.15	6.11	6.45	6.48	-	145.76	144.81	157.38	156.17	-
Family clothing stores .....	565	6.29	6.36	6.60	6.57	-	169.83	172.36	180.84	178.05	-
Shoe stores .....	566	6.17	6.22	6.91	6.97	-	185.72	189.09	207.99	204.92	-
Furniture and home furnishings stores .....	57	8.57	8.62	9.01	9.05	-	279.38	280.15	300.03	299.56	-
Furniture and home furnishings stores .....	571	8.45	8.50	8.67	8.73	-	279.70	282.20	291.31	290.71	-
Household appliance stores .....	572	8.80	8.86	9.50	9.44	-	293.04	292.38	329.65	322.85	-
Radio, television, and computer stores .....	573	8.71	8.77	9.45	9.48	-	276.98	274.50	306.18	307.15	-
Radio, television, and electronic stores .....	5731	8.67	8.74	9.27	9.25	-	273.11	274.44	294.79	294.15	-
Record and prerecorded tape stores .....	5735	5.36	5.36	5.70	5.73	-	140.97	136.68	149.91	150.13	-
Eating and drinking places <sup>4</sup> .....	58	5.05	5.06	5.25	5.24	-	124.74	123.97	131.25	129.95	-
Miscellaneous retail establishments .....	59	7.20	7.18	7.54	7.53	-	210.24	208.94	222.43	220.63	-
Drug stores and proprietary stores .....	591	6.96	6.94	7.39	7.43	-	190.01	190.16	204.70	204.33	-
Miscellaneous shopping goods stores .....	594	6.74	6.67	7.07	7.03	-	187.37	182.09	198.67	193.33	-
Nonstore retailers .....	596	7.84	7.84	8.25	8.08	-	252.45	254.80	281.33	273.10	-
Fuel dealers .....	598	9.96	10.11	10.35	10.52	-	371.51	384.18	388.13	400.81	-
Retail stores, nec .....	599	7.47	7.40	7.76	7.75	-	231.57	229.40	239.78	241.03	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		10.08	10.12	10.53	10.48	\$10.53	357.84	360.27	380.13	372.04	\$374.87
Depository institutions .....	60	8.49	8.51	8.87	8.85	-	298.85	300.40	317.55	310.64	-
Commercial banks .....	602	8.14	8.17	8.51	8.49	-	284.90	287.58	303.81	296.30	-
Credit unions .....	606	8.15	8.17	8.61	8.54	-	287.70	289.22	307.38	301.46	-
Nondepository institutions .....	61	10.52	10.53	11.04	10.99	-	392.40	390.66	422.83	412.13	-
Personal credit institutions .....	614	9.38	9.42	9.71	9.62	-	351.75	352.31	369.95	362.67	-
Security and commodity brokers:											
Security and commodity services .....	628	13.45	13.57	14.74	14.72	-	499.00	510.23	554.22	543.17	-
Insurance carriers .....	63	11.30	11.35	11.90	11.87	-	421.49	424.49	448.63	443.94	-
Life insurance .....	631	10.45	10.45	10.88	10.83	-	384.56	387.70	403.65	396.38	-
Medical service and health insurance .....	632	10.77	10.83	11.37	11.27	-	411.41	415.87	430.92	430.51	-
Fire, marine, and casualty insurance .....	633	12.15	12.24	12.77	12.82	-	451.98	455.33	483.98	480.75	-
<b>Services</b> .....		9.96	10.02	10.33	10.33	10.39	322.70	324.65	336.76	334.69	336.64
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	7.08	7.16	7.21	7.30	-	218.77	218.38	224.23	224.84	-
Personal services:											
Laundry, cleaning, and garment services .....	721	6.91	6.92	7.11	7.14	-	234.94	235.28	241.03	244.19	-
Beauty shops <sup>4</sup> .....	723	7.05	7.15	7.28	7.15	-	205.86	210.93	211.85	206.64	-
Miscellaneous personal services .....	729	7.55	7.64	7.82	7.83	-	191.02	194.82	192.37	195.75	-
Business services .....	73	9.51	9.56	9.81	9.75	-	313.83	315.48	326.67	322.73	-
Advertising .....	731	13.57	13.54	14.29	13.96	-	489.88	490.15	521.59	506.75	-
Services to buildings .....	734	7.18	7.23	7.37	7.31	-	205.35	206.06	210.05	207.60	-
Personnel supply services:											
Help supply services .....	7363	8.04	8.12	8.16	8.13	-	246.83	251.72	251.33	249.59	-
Computer and data processing services .....	737	15.29	15.34	15.64	15.60	-	577.96	578.32	600.58	589.68	-
Computer programming services .....	7371	17.53	17.64	17.91	17.94	-	676.66	680.90	691.33	688.90	-
Miscellaneous business services .....	738	8.06	8.05	8.28	8.26	-	275.65	275.31	284.00	282.49	-
Detective and armored car services .....	7381	6.34	6.35	6.56	6.49	-	213.02	212.73	221.73	218.71	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers' on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Services—Continued</b>											
Auto repair, services, and parking .....	75	36.5	36.6	36.7	36.5	-	-	-	-	-	-
Automotive repair shops .....	753	38.1	38.3	38.3	38.0	-	-	-	-	-	-
Miscellaneous repair services .....	76	38.2	38.1	38.4	38.2	-	-	-	-	-	-
Motion pictures .....	78	27.1	27.7	27.8	27.6	-	-	-	-	-	-
Motion picture production and services .....	781	35.2	35.0	36.8	37.1	-	-	-	-	-	-
Amusement and recreation services .....	79	26.3	26.4	26.3	26.6	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	25.5	25.4	25.9	25.8	-	-	-	-	-	-
Physical fitness facilities .....	7991	17.8	17.3	18.5	18.8	-	-	-	-	-	-
Membership sports and recreation clubs .....	7997	28.6	28.2	29.1	28.4	-	-	-	-	-	-
Health services .....	80	32.4	32.5	32.7	32.4	-	-	-	-	-	-
Offices and clinics of medical doctors .....	801	31.5	31.7	32.2	31.9	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.3	28.4	28.3	28.2	-	-	-	-	-	-
Offices and clinics of other health practitioners .....	804	29.7	29.7	29.9	29.5	-	-	-	-	-	-
Nursing and personal care facilities .....	805	32.0	32.2	32.7	31.8	-	-	-	-	-	-
Intermediate care facilities .....	8052	31.0	31.1	31.8	31.1	-	-	-	-	-	-
Hospitals .....	806	34.0	34.1	34.2	34.1	-	-	-	-	-	-
Home health care services .....	808	25.3	25.6	26.6	26.0	-	-	-	-	-	-
Legal services .....	81	34.6	34.7	35.2	34.6	-	-	-	-	-	-
Social services:											
Child day care services .....	835	29.9	29.7	29.8	29.8	-	-	-	-	-	-
Engineering and management services .....	87	37.0	37.0	37.5	37.1	-	-	-	-	-	-
Engineering and architectural services .....	871	39.1	39.0	39.3	38.8	-	-	-	-	-	-
Engineering services .....	8711	39.5	39.4	39.5	39.1	-	-	-	-	-	-
Architectural services .....	8712	37.7	37.4	38.5	37.6	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	37.0	36.7	37.9	37.4	-	-	-	-	-	-
Research and testing services .....	873	36.0	36.0	36.7	36.5	-	-	-	-	-	-
Management and public relations .....	874	34.9	35.3	35.5	35.3	-	-	-	-	-	-
Services, nec .....	89	36.3	36.5	36.9	35.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Services—Continued</b>											
Auto repair, services, and parking .....	75	\$8.86	\$8.88	\$9.06	\$9.06	-	\$323.39	\$325.01	\$332.50	\$330.69	-
Automotive repair shops .....	753	9.73	9.73	9.86	9.92	-	370.71	372.66	377.64	376.96	-
Miscellaneous repair services .....	76	10.43	10.42	10.69	10.72	-	398.43	397.00	410.50	409.50	-
Motion pictures .....	78	11.72	12.10	12.26	12.40	-	317.61	335.17	340.83	342.24	-
Motion picture production and services .....	781	17.92	18.73	18.64	18.64	-	630.78	655.55	685.95	691.54	-
Amusement and recreation services .....	79	8.29	8.54	7.98	8.22	-	218.03	225.46	209.87	218.65	-
Misc. amusement and recreation services .....	799	7.46	7.55	7.44	7.68	-	190.23	191.77	192.70	198.14	-
Physical fitness facilities .....	7991	7.87	7.69	7.81	7.84	-	140.09	133.04	144.49	147.39	-
Membership sports and recreation clubs .....	7997	7.52	7.64	7.59	7.75	-	215.07	215.45	220.87	220.10	-
Health services .....	80	10.57	10.62	11.10	11.11	-	342.47	345.15	362.97	359.96	-
Offices and clinics of medical doctors .....	801	10.82	10.89	11.28	11.25	-	340.83	345.21	363.22	358.88	-
Offices and clinics of dentists .....	802	10.32	10.31	10.71	10.68	-	292.06	292.80	303.09	301.18	-
Offices and clinics of other health practitioners .....	804	9.14	9.15	9.57	9.63	-	271.46	271.76	286.14	284.09	-
Nursing and personal care facilities .....	805	7.37	7.39	7.63	7.65	-	235.84	237.96	249.50	243.27	-
Intermediate care facilities .....	8052	6.73	6.76	7.05	7.03	-	208.63	210.24	224.19	218.63	-
Hospitals .....	806	11.97	12.04	12.73	12.72	-	406.98	410.56	435.37	433.75	-
Home health care services .....	808	8.84	8.94	9.51	9.54	-	223.65	228.86	252.97	248.04	-
Legal services .....	81	14.27	14.37	14.86	14.67	-	493.74	498.64	523.07	507.58	-
Social services:											
Child day care services .....	835	6.10	6.12	6.42	6.37	-	182.39	181.76	191.32	189.83	-
Engineering and management services .....	87	13.73	13.78	14.36	14.22	-	508.01	509.86	538.50	527.56	-
Engineering and architectural services .....	871	14.96	15.04	15.79	15.79	-	584.94	586.56	620.55	612.65	-
Engineering services .....	8711	15.50	15.57	16.37	16.36	-	612.25	613.46	646.62	639.68	-
Architectural services .....	8712	13.87	13.97	14.73	14.67	-	522.90	522.48	567.11	551.59	-
Accounting, auditing, and bookkeeping .....	872	12.39	12.35	12.75	12.46	-	458.43	453.25	483.23	466.00	-
Research and testing services .....	873	14.30	14.37	14.96	14.96	-	514.80	517.32	549.03	546.04	-
Management and public relations .....	874	12.48	12.55	13.05	12.75	-	435.55	443.02	463.28	450.08	-
Services, nec .....	89	14.17	14.08	15.44	15.59	-	514.37	513.92	569.74	558.12	-

<sup>1</sup> 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.

<sup>2</sup> See table C-2a for average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing.

<sup>3</sup> Data relate to line-haul railroads with operating revenues of \$50,000,000 or more.

<sup>4</sup> Money payments only; tips, not included.

<sup>5</sup> Excludes nonoffice commissioned real estate sales agents.

- Data not available.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 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 earning 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 C-2a 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.

**C-2a. Average hourly earnings in aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing**

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Sept. 1990	Oct. 1990	Sept. 1991	Oct. 1991 <sup>p</sup>	Sept. 1990	Oct. 1990	Sept. 1991	Oct. 1991 <sup>p</sup>
Average hourly earnings, excluding lump-sum payments .....	\$15.76	\$15.89	\$16.86	\$17.15	\$15.14	\$14.95	\$15.33	\$15.36
Average hourly earnings, including lump-sum payments .....	16.48	16.34	17.30	17.56	15.53	15.38	15.48	15.50

<sup>p</sup> = preliminary.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-3. Average hourly earnings, excluding overtime,<sup>1</sup> of production workers on manufacturing payrolls**

Industry	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Manufacturing</b> .....	\$10.46	\$10.48	\$10.73	\$10.74	\$10.78
<b>Durable goods</b> .....	10.99	10.98	11.33	11.33	11.36
Lumber and wood products .....	8.77	8.76	9.00	8.98	(?)
Furniture and fixtures .....	8.34	8.38	8.54	8.54	(?)
Stone, clay, and glass products .....	10.57	10.62	10.77	10.76	(?)
Primary metal industries .....	12.34	12.39	12.75	12.74	(?)
Fabricated metal products .....	10.48	10.48	10.79	10.80	(?)
Industrial machinery and equipment .....	11.36	11.41	11.68	11.71	(?)
Electronic and other electrical equipment .....	10.05	10.08	10.39	10.33	(?)
Transportation equipment .....	13.70	13.58	14.29	14.30	(?)
Instruments and related products .....	11.06	11.05	11.31	11.36	(?)
Miscellaneous manufacturing .....	8.29	8.35	8.57	8.52	(?)
<b>Nondurable goods</b> .....	9.74	9.83	9.97	9.98	\$10.05
Food and kindred products .....	9.02	9.20	9.26	9.32	(?)
Tobacco products .....	15.31	15.93	15.71	15.79	(?)
Textile mill products .....	7.76	7.78	7.96	7.95	(?)
Apparel and other textile products .....	6.50	6.48	6.67	6.62	(?)
Paper and allied products .....	11.75	11.82	12.04	12.07	(?)
Printing and publishing .....	10.90	10.92	11.18	11.19	(?)
Chemicals and allied products .....	13.04	13.08	13.45	13.49	(?)
Petroleum and coal products .....	15.29	15.45	15.94	15.95	(?)
Rubber and misc. plastics products .....	9.44	9.52	9.68	9.69	(?)
Leather and leather products .....	6.78	6.82	6.96	6.98	(?)

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

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-4. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, in current and constant (1982) dollars**

Industry	Average hourly earnings					Average weekly earnings				
	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>	Oct. 1990	Nov. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Nov. 1991 <sup>P</sup>
<b>Total private:</b>										
Current dollars .....	\$10.14	\$10.16	\$10.46	\$10.44	\$10.46	\$347.80	\$348.49	\$362.96	\$359.14	\$358.78
Constant (1982) dollars .....	7.45	7.45	7.50	7.47	( <sup>2</sup> )	255.55	255.49	260.19	257.08	( <sup>2</sup> )
<b>Mining:</b>										
Current dollars .....	13.73	13.82	14.35	14.12	\$14.20	612.36	621.90	642.88	631.16	\$630.48
Constant (1982) dollars .....	10.09	10.13	10.29	10.11	( <sup>2</sup> )	449.93	455.94	460.85	451.80	( <sup>2</sup> )
<b>Construction:</b>										
Current dollars .....	13.97	13.87	14.15	14.14	\$13.95	530.86	529.83	551.85	552.87	\$524.52
Constant (1982) dollars .....	10.26	10.17	10.14	10.12	( <sup>2</sup> )	390.05	388.44	395.59	395.76	( <sup>2</sup> )
<b>Manufacturing:</b>										
Current dollars .....	10.94	10.96	11.27	11.25	\$11.30	447.45	447.17	466.58	462.38	\$465.56
Constant (1982) dollars .....	8.04	8.04	8.08	8.05	( <sup>2</sup> )	328.77	327.84	334.47	330.98	( <sup>2</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	13.08	13.09	13.32	13.29	\$13.34	506.20	507.89	520.81	515.65	\$514.92
Constant (1982) dollars .....	9.61	9.60	9.55	9.51	( <sup>2</sup> )	371.93	372.35	373.34	369.11	( <sup>2</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	10.86	10.93	11.24	11.18	\$11.25	413.77	415.34	431.62	427.08	\$428.63
Constant (1982) dollars .....	7.98	8.01	8.06	8.00	( <sup>2</sup> )	304.02	304.50	309.41	305.71	( <sup>2</sup> )
<b>Retail trade:</b>										
Current dollars .....	6.83	6.86	7.07	7.07	\$7.12	193.97	194.82	203.62	201.50	\$202.92
Constant (1982) dollars .....	5.02	5.03	5.07	5.06	( <sup>2</sup> )	142.52	142.83	145.96	144.24	( <sup>2</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	10.08	10.12	10.53	10.48	\$10.53	357.84	360.27	380.13	372.04	\$374.87
Constant (1982) dollars .....	7.41	7.42	7.55	7.50	( <sup>2</sup> )	262.92	264.13	272.49	266.31	( <sup>2</sup> )
<b>Services:</b>										
Current dollars .....	9.96	10.02	10.33	10.33	\$10.39	322.70	324.65	336.76	334.69	\$336.64
Constant (1982) dollars .....	7.32	7.35	7.41	7.39	( <sup>2</sup> )	237.11	238.01	241.41	239.58	( <sup>2</sup> )

<sup>1</sup> 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.

<sup>2</sup> Not available.  
<sup>P</sup> = 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 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**C-5. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

Industry	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>P</sup>	Nov. <sup>P</sup>
<b>Total private</b> .....	34.4	34.6	34.1	34.3	34.2	34.0	34.3	34.6	34.1	34.3	34.5	34.3	34.4
<b>Mining</b> .....	44.9	44.8	44.4	44.9	44.6	44.3	44.9	45.0	43.9	44.5	44.1	44.2	44.1
<b>Construction</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Manufacturing</b> .....	40.6	40.7	40.4	40.3	40.3	40.2	40.4	40.8	40.7	41.0	41.0	40.9	40.9
<i>Overtime hours</i> .....	3.5	3.5	3.4	3.3	3.3	3.3	3.4	3.7	3.7	3.8	3.7	3.7	3.8
<b>Durable goods</b> .....	41.1	41.2	40.8	40.7	40.6	40.7	40.8	41.3	41.2	41.4	41.5	41.3	41.3
<i>Overtime hours</i> .....	3.5	3.6	3.3	3.2	3.2	3.3	3.3	3.7	3.7	3.8	3.7	3.7	3.7
Lumber and wood products .....	39.5	40.0	39.4	39.3	39.2	39.2	39.7	40.6	40.0	40.2	40.5	40.0	40.5
Furniture and fixtures .....	38.5	38.8	38.5	37.5	38.2	38.9	38.9	39.3	39.2	39.1	39.1	39.1	38.7
Stone, clay, and glass products .....	41.8	42.0	41.0	41.7	41.3	41.3	41.5	42.0	41.9	41.6	42.0	41.8	41.4
Primary metal industries .....	42.7	42.3	42.0	41.5	41.4	41.4	41.6	42.3	42.6	43.0	42.8	42.7	42.4
Blast furnaces and basic steel products ..	43.6	43.2	42.6	41.5	41.8	41.3	41.8	42.6	43.1	43.9	43.7	43.6	43.0
Fabricated metal products .....	40.8	41.1	40.6	40.7	40.6	40.7	40.8	41.2	41.3	41.6	41.7	41.6	41.3
Industrial machinery and equipment .....	41.8	42.1	41.6	41.5	41.5	41.3	41.2	41.8	41.6	42.0	42.1	41.8	41.9
Electronic and other electrical equipment ..	40.7	40.7	40.3	40.5	40.2	40.6	40.6	40.7	40.7	40.8	40.7	40.5	41.1
Transportation equipment .....	41.1	41.5	41.5	41.0	40.8	41.0	41.2	42.1	42.3	42.4	42.3	42.5	42.2
Motor vehicles and equipment .....	41.0	41.5	41.4	40.9	40.5	41.3	41.5	42.9	43.6	43.3	43.0	43.1	42.2
Instruments and related products .....	41.0	41.2	40.8	41.0	40.9	40.8	41.0	40.6	41.0	41.3	40.9	41.1	41.1
Miscellaneous manufacturing .....	39.6	39.3	39.0	39.3	39.3	39.2	39.3	39.7	39.6	40.1	40.2	39.9	39.7
<b>Nondurable goods</b> .....	39.9	40.0	39.9	39.8	39.9	39.7	39.9	40.1	40.1	40.4	40.3	40.4	40.4
<i>Overtime hours</i> .....	3.6	3.6	3.4	3.4	3.4	3.4	3.5	3.7	3.7	3.8	3.7	3.8	3.9
Food and kindred products .....	40.7	40.9	40.7	40.6	40.6	40.3	40.3	40.4	40.4	40.5	40.6	40.7	40.8
Tobacco products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Textile mill products .....	39.3	39.4	39.4	39.2	39.4	39.6	40.2	40.8	41.0	41.4	41.3	41.3	41.5
Apparel and other textile products .....	36.3	36.6	36.3	36.5	36.6	36.4	36.7	36.9	37.0	37.3	37.3	37.4	37.2
Paper and allied products .....	43.5	43.5	43.0	43.0	43.2	42.9	43.0	43.2	43.5	43.5	43.4	43.4	43.7
Printing and publishing .....	37.8	37.8	37.7	37.6	37.6	37.5	37.5	37.8	37.6	37.8	37.6	37.8	38.0
Chemicals and allied products .....	42.6	42.9	42.6	42.4	42.7	42.4	42.5	42.8	42.6	43.2	43.2	43.2	43.4
Petroleum and coal products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rubber and misc. plastics products .....	40.8	41.0	40.8	40.6	40.6	40.7	40.9	41.1	41.1	41.4	41.2	41.4	41.3
Leather and leather products .....	36.8	37.3	36.9	37.2	37.1	37.1	37.2	37.6	37.7	37.3	37.7	37.1	38.1
<b>Transportation and public utilities</b> .....	38.7	39.0	38.7	38.6	38.6	38.4	38.8	38.9	38.4	38.7	38.9	38.6	38.6
<b>Wholesale trade</b> .....	38.0	38.3	37.9	37.9	38.1	37.9	38.2	38.4	37.9	38.2	38.2	38.1	38.1
<b>Retail trade</b> .....	28.7	28.7	28.3	28.6	28.6	28.4	28.7	28.9	28.4	28.6	28.8	28.5	28.8
<b>Finance, insurance, and real estate</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Services</b> .....	32.5	32.8	32.2	32.5	32.4	32.2	32.5	32.7	32.2	32.4	32.6	32.4	32.5

<sup>1</sup> 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.

<sup>2</sup> These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.  
<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.



**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**C-6. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(1982=100)

Industry	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>P</sup>	Nov. <sup>P</sup>
<b>Total private</b> .....	122.9	123.3	121.3	121.5	120.9	120.0	121.2	122.1	120.7	121.5	122.3	121.5	121.4
<b>Goods-producing</b> .....	106.8	106.7	104.4	104.0	102.7	102.5	103.2	103.8	103.8	104.4	104.4	104.1	102.9
<b>Mining</b> .....	65.3	65.3	64.9	65.4	65.0	64.3	64.4	64.2	62.5	62.2	60.9	60.6	60.1
<b>Construction</b> .....	132.9	132.6	125.0	126.9	123.2	122.7	124.4	124.4	123.8	123.3	124.9	124.4	118.6
<b>Manufacturing</b> .....	104.0	103.9	102.7	101.6	100.9	100.7	101.2	102.0	102.3	103.2	102.9	102.6	102.5
<b>Durable goods</b> .....	102.1	102.0	100.4	98.8	97.8	97.9	98.4	99.4	99.6	100.3	100.0	99.4	99.0
Lumber and wood products .....	123.6	123.5	120.5	118.6	117.0	117.4	119.7	122.4	121.3	122.1	122.4	121.5	123.0
Furniture and fixtures .....	118.0	117.4	115.9	111.7	112.6	115.3	115.6	117.1	115.5	116.5	116.5	116.2	114.7
Stone, clay, and glass products .....	106.4	106.2	102.1	102.4	99.9	100.1	100.4	101.6	101.6	101.6	102.6	102.1	99.9
Primary metal industries .....	91.4	90.3	89.0	86.6	85.7	85.4	85.8	86.7	87.8	88.8	87.9	87.1	85.8
Blast furnaces and basic steel products .....	83.1	81.8	79.1	74.7	74.7	74.1	74.7	75.7	76.2	78.0	77.7	76.7	74.9
Fabricated metal products .....	104.4	104.6	103.2	100.8	99.9	100.0	100.4	101.6	102.1	102.9	103.1	102.5	101.5
Industrial machinery and equipment .....	95.2	95.3	93.8	93.0	92.5	91.3	90.5	91.2	90.3	91.3	91.3	90.2	89.5
Electronic and other electrical equipment .....	103.7	103.1	101.5	101.1	99.7	100.7	101.1	101.3	101.4	101.5	100.6	100.0	101.2
Transportation equipment .....	111.8	112.5	111.2	108.0	106.3	107.3	109.5	111.0	113.9	114.7	113.5	113.3	112.8
Motor vehicles and equipment .....	110.3	115.8	114.8	108.7	108.1	113.0	118.6	121.8	128.6	128.6	126.6	125.7	125.1
Instruments and related products .....	85.2	85.4	84.8	84.8	84.8	83.9	83.4	83.3	82.3	82.6	82.6	81.5	82.4
Miscellaneous manufacturing .....	100.2	99.4	98.0	98.0	96.9	96.3	96.2	97.1	98.4	99.2	99.5	99.9	99.4
<b>Nondurable goods</b> .....	106.7	106.7	105.9	105.5	105.2	104.5	105.2	105.8	106.0	107.2	107.0	107.1	107.3
Food and kindred products .....	110.3	111.2	110.8	111.0	111.0	109.6	110.0	110.4	109.0	111.4	111.3	111.1	111.4
Tobacco products .....	70.7	70.9	71.8	70.7	67.2	66.2	69.3	68.8	69.7	74.5	71.1	69.0	65.3
Textile mill products .....	95.0	94.2	93.7	92.3	92.3	93.0	95.2	96.8	98.0	98.7	98.5	99.0	99.3
Apparel and other textile products .....	91.0	91.3	89.9	90.3	90.5	89.8	91.2	92.1	94.2	94.5	94.7	95.5	95.1
Paper and allied products .....	110.5	110.2	109.9	109.9	109.7	108.6	108.8	108.9	109.7	110.5	110.2	110.0	111.0
Printing and publishing .....	126.4	126.0	125.1	124.4	123.5	122.8	122.1	122.7	122.6	122.9	122.6	122.8	123.2
Chemicals and allied products .....	104.1	104.2	103.4	102.8	103.1	102.4	101.6	101.9	100.9	102.9	102.4	102.5	103.0
Petroleum and coal products .....	90.3	85.6	84.5	85.9	86.3	87.0	88.4	86.2	85.4	86.4	86.3	84.5	81.4
Rubber and misc. plastics products .....	125.1	124.8	123.4	121.6	119.7	119.6	121.1	122.1	122.5	124.1	123.7	124.7	124.4
Leather and leather products .....	58.5	58.3	57.4	57.0	55.9	55.3	55.4	56.0	57.3	56.1	56.8	55.3	56.8
<b>Service-producing</b> .....	130.1	130.7	128.9	129.4	129.0	127.9	129.3	130.3	128.2	129.2	130.3	129.3	129.7
<b>Transportation and public utilities</b> .....	115.2	116.1	115.3	114.3	114.1	113.3	114.7	114.8	113.5	114.5	115.3	114.5	114.7
<b>Wholesale trade</b> .....	115.8	115.8	114.7	114.2	114.3	113.4	114.2	114.5	112.9	113.4	113.6	113.1	112.9
<b>Retail trade</b> .....	122.7	122.3	120.3	121.1	120.6	119.3	120.6	121.5	119.3	120.1	120.9	119.2	119.7
<b>Finance, insurance, and real estate</b> .....	120.2	121.6	120.4	120.2	119.9	118.3	119.7	121.3	117.9	119.0	120.4	118.1	119.3
<b>Services</b> .....	146.7	148.1	145.8	146.9	146.5	145.4	147.1	148.5	146.4	147.8	149.2	148.9	149.3

<sup>1</sup> 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.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

**C-7. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls, seasonally adjusted**

Industry	1990		1991										
	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct. <sup>P</sup>	Nov. <sup>P</sup>
<b>Average hourly earnings</b>													
<b>Total private (in current dollars)</b> .....	\$10.13	\$10.17	\$10.18	\$10.20	\$10.24	\$10.28	\$10.32	\$10.37	\$10.36	\$10.40	\$10.41	\$10.40	\$10.44
<b>Mining</b> .....	13.88	13.89	14.04	13.99	14.03	14.05	14.13	14.30	14.24	14.27	14.34	14.22	14.29
<b>Construction</b> .....	13.85	13.87	13.95	13.97	13.97	14.05	14.00	13.98	14.01	14.07	14.04	14.03	13.94
<b>Manufacturing</b> .....	10.96	10.99	11.02	11.03	11.05	11.12	11.15	11.19	11.22	11.25	11.25	11.26	11.30
<b>Excluding overtime<sup>2</sup></b> .....	10.50	10.54	10.58	10.59	10.61	10.65	10.70	10.71	10.74	10.76	10.76	10.77	10.80
<b>Transportation and public utilities</b> .....	13.07	13.11	13.15	13.13	13.16	13.19	13.24	13.23	13.26	13.30	13.27	13.25	13.33
<b>Wholesale trade</b> .....	10.93	11.00	11.00	11.05	11.07	11.08	11.12	11.23	11.14	11.22	11.23	11.20	11.25
<b>Retail trade</b> .....	6.83	6.84	6.86	6.87	6.90	6.97	6.98	7.01	7.03	7.04	7.05	7.06	7.10
<b>Finance, insurance, and real estate</b> .....	10.12	10.22	10.17	10.22	10.32	10.28	10.35	10.50	10.40	10.47	10.55	10.48	10.54
<b>Services</b> .....	9.98	10.03	10.03	10.07	10.13	10.16	10.24	10.29	10.25	10.30	10.32	10.29	10.35
<b>Total private (in constant dollars)<sup>3</sup></b> .....	7.43	7.44	7.42	7.43	7.46	7.47	7.47	7.49	7.47	7.49	7.47	7.46	(*)
<b>Average weekly earnings</b>													
<b>Total private:</b>													
In current dollars .....	348.47	351.88	347.14	349.86	350.21	349.52	353.98	358.80	353.28	356.72	359.15	356.72	359.14
In constant (1982) dollars <sup>3</sup> .....	255.66	257.41	253.02	254.81	255.07	253.83	256.32	259.25	254.89	257.00	257.82	255.90	(*)

<sup>1</sup> 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.

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

<sup>3</sup> The Consumer Price Index for Urban Wage Earners and Clerical

Workers (CPI-W) is used to deflate these series.

<sup>4</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Alabama</b> .....	41.2	41.4	41.1	\$9.52	\$9.80	\$9.78	\$392.22	\$405.72	\$401.96
Birmingham .....	40.7	41.2	40.7	9.78	10.18	10.17	398.05	419.42	413.92
Mobile .....	43.5	42.6	43.2	11.15	11.58	11.93	485.03	493.31	515.38
<b>Alaska</b> .....	41.1	43.7	41.4	13.55	12.46	13.01	556.90	544.50	538.61
<b>Arizona</b> .....	40.3	40.9	41.1	10.32	10.88	10.77	415.90	444.99	442.65
<b>Arkansas</b> .....	41.3	42.0	41.6	8.56	8.89	8.90	353.53	373.38	370.24
Fayetteville-Springdale .....	40.6	38.8	40.6	7.74	8.35	8.30	314.24	323.98	336.98
Fort Smith .....	41.1	40.8	40.7	8.83	9.06	9.11	362.91	369.65	370.78
Little Rock-North Little Rock .....	41.5	42.7	42.6	9.02	9.16	9.12	374.33	391.13	388.51
Pine Bluff .....	43.0	41.9	42.3	10.75	10.62	10.62	462.25	444.98	449.23
<b>California</b> .....	40.6	40.8	40.8	11.56	11.96	11.93	469.34	487.97	486.74
Anaheim-Santa Ana .....	41.3	40.8	40.3	11.61	11.98	12.00	479.49	488.78	483.60
Bakersfield .....	39.9	40.5	40.5	12.45	12.78	12.70	496.76	517.59	514.35
Fresno .....	40.5	39.5	40.9	9.55	10.03	9.94	386.78	396.19	406.55
Los Angeles-Long Beach .....	41.0	41.1	41.1	11.07	11.40	11.36	453.87	468.54	466.90
Modesto .....	39.3	41.3	39.7	10.64	11.38	11.35	418.15	469.99	450.60
Oakland .....	41.0	41.4	41.1	13.71	13.96	14.02	562.11	577.94	576.22
Oxnard-Ventura .....	42.2	40.7	39.9	10.91	10.98	10.90	460.40	446.89	434.91
Riverside-San Bernardino .....	39.9	40.3	41.5	10.36	10.78	10.85	413.36	434.43	450.28
Sacramento .....	40.2	41.1	39.6	12.10	12.50	12.64	486.42	513.75	500.54
Salinas-Seaside-Monterey .....	38.6	39.9	39.6	11.83	11.14	11.32	456.64	444.49	448.27
San Diego .....	40.7	40.6	40.8	11.68	11.97	12.08	475.38	485.98	492.86
San Francisco .....	39.6	40.1	40.8	12.84	12.94	12.93	508.46	518.89	527.54
San Jose .....	40.4	42.0	42.5	13.85	14.27	14.36	559.54	599.34	610.30
Santa Barbara-Santa Maria-Lompoc .....	41.0	41.0	41.2	11.93	12.53	12.47	489.13	513.73	513.76
Santa Rosa-Petaluma .....	38.8	38.2	38.6	11.36	11.93	11.83	440.77	455.73	456.64
Stockton .....	40.1	42.1	40.5	11.09	11.46	11.29	444.71	482.47	457.25
Vallejo-Fairfield-Napa .....	40.4	42.5	42.5	13.67	13.78	13.95	552.27	585.65	592.88
<b>Colorado</b> .....	41.2	39.5	38.7	11.23	11.47	11.45	462.68	453.07	443.12
Denver .....	40.3	41.4	40.1	12.54	12.69	12.62	505.36	525.37	506.06
<b>Connecticut</b> .....	41.9	41.9	41.8	11.62	12.11	12.13	486.88	507.41	507.03
Bridgeport-Milford .....	41.6	41.4	41.6	12.21	12.87	12.85	507.94	532.82	534.56
Hartford .....	42.0	42.6	42.6	12.47	13.09	13.12	523.74	557.63	558.91
New Britain .....	42.4	42.1	42.6	12.42	12.21	12.43	526.61	514.04	529.52
New Haven-Meriden .....	40.9	41.2	41.2	11.14	11.53	11.61	455.63	475.04	478.33
Stamford .....	41.1	40.8	40.9	12.30	12.20	11.94	505.53	497.76	488.35
Waterbury .....	42.9	42.7	41.9	10.74	11.36	11.20	460.75	485.07	469.28
<b>Delaware</b> .....	41.0	42.0	43.1	12.16	12.49	12.67	498.56	524.58	546.08
Wilmington .....	41.4	42.3	43.3	14.68	14.65	14.95	607.75	619.70	647.34
<b>District of Columbia:</b>									
Washington MSA .....	39.3	39.2	39.3	12.59	13.12	13.13	494.79	514.30	516.01
<b>Florida</b> .....	40.2	41.0	41.0	9.02	9.32	9.32	362.60	382.12	382.12
Fort Lauderdale-Hollywood-Pompano Beach .....	40.5	41.5	41.6	9.32	9.52	9.46	377.46	395.08	393.54
Jacksonville .....	41.5	40.3	40.8	9.51	9.70	9.67	394.67	390.91	394.54
Miami-Hialeah .....	39.7	39.5	38.8	7.55	7.78	7.77	299.74	307.31	301.48
Orlando .....	40.9	39.9	40.1	10.29	10.29	10.29	420.86	410.57	412.63
Pensacola .....	43.2	42.6	43.3	11.47	11.80	11.82	495.50	502.68	511.81
Tampa-St. Petersburg-Clearwater .....	39.3	41.5	41.3	9.22	9.65	9.55	362.35	400.48	394.42
West Palm Beach-Boca Raton-Delray Beach .....	39.4	40.6	40.3	9.99	9.91	10.02	393.61	402.35	403.81
<b>Georgia</b> .....	40.5	41.2	41.3	9.25	9.61	9.64	374.63	395.93	398.13
Atlanta .....	41.1	40.9	41.3	10.69	11.21	11.21	439.36	458.49	462.97
Savannah .....	45.3	47.9	47.2	11.67	11.87	11.77	528.65	568.57	555.54
<b>Hawaii</b> .....	41.0	41.0	40.6	10.90	11.36	11.31	446.90	465.76	459.19
Honolulu .....	39.1	39.0	38.3	11.36	11.82	11.77	444.18	460.98	450.79
<b>Idaho</b> .....	37.4	40.5	39.5	11.09	11.41	11.14	414.77	462.11	440.03

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Illinois</b> .....	41.8	41.0	41.0	\$11.51	\$11.75	\$11.76	\$481.12	\$481.75	\$482.16
Aurora-Elgin .....	41.7	41.3	41.3	11.42	11.55	11.57	476.21	477.02	477.84
Bloomington-Normal .....	46.5	41.8	39.5	14.24	13.93	13.90	662.16	582.27	549.05
Champaign-Urbana-Rantoul .....	40.5	44.2	43.8	9.95	10.49	10.51	402.98	463.66	460.34
Chicago .....	41.6	40.8	41.0	11.21	11.51	11.55	466.34	469.61	473.55
Davenport-Rock Island-Moline .....	41.2	41.0	41.4	13.45	13.69	13.64	554.14	561.29	564.70
Decatur .....	43.4	44.3	44.2	14.87	14.67	14.91	645.36	649.88	659.02
Joliet .....	41.3	41.7	41.9	13.16	13.50	13.47	543.51	562.95	564.39
Kankakee .....	42.2	42.6	43.6	12.09	12.25	12.40	510.20	521.85	540.64
Lake County .....	40.2	40.8	40.6	11.50	11.74	11.75	462.30	478.99	477.05
Peoria .....	43.7	44.3	45.2	14.14	14.92	15.11	617.92	660.96	682.97
Rockford .....	41.9	42.2	41.7	12.51	12.79	12.79	524.17	539.74	533.34
Springfield .....	40.0	36.7	39.1	10.82	11.29	11.26	432.80	414.34	440.27
<b>Indiana</b> .....	41.4	42.2	41.8	12.22	12.56	12.46	505.91	530.03	520.83
Anderson .....	40.4	43.0	40.0	16.01	16.97	16.37	646.80	729.71	654.80
Bloomington .....	34.8	39.5	38.6	10.60	11.78	11.68	368.88	465.31	450.85
Elkhart-Goshen .....	38.6	40.0	40.1	10.03	10.44	10.29	387.16	417.60	412.63
Evansville .....	42.0	43.7	43.3	12.24	12.71	12.77	514.08	555.43	552.94
Fort Wayne .....	40.3	41.7	41.7	12.48	13.06	13.19	502.94	544.60	550.02
Gary-Hammond .....	43.3	42.9	43.5	16.47	16.25	16.45	713.15	697.13	715.58
Indianapolis .....	42.0	42.4	41.2	12.66	13.29	13.18	531.72	563.50	543.02
Kokomo .....	41.9	42.7	40.0	17.16	16.83	16.31	719.00	718.64	652.40
Lafayette-West Lafayette .....	42.1	41.9	41.1	12.51	12.64	12.53	526.67	529.62	514.98
Muncie .....	46.3	44.4	44.8	13.39	13.81	14.04	619.96	613.16	628.99
South Bend-Mishawaka .....	41.7	42.1	41.1	11.49	11.70	11.90	479.13	492.57	489.09
Terre Haute .....	42.3	43.7	44.2	10.84	10.86	10.30	458.53	474.58	455.26
<b>Iowa</b> .....	40.7	41.2	40.6	11.35	11.72	11.65	461.95	482.86	472.99
Cedar Rapids .....	39.1	40.9	38.1	13.84	14.78	14.18	541.14	604.50	540.26
Des Moines .....	40.4	42.8	41.9	12.37	12.68	12.84	499.75	542.70	538.00
Dubuque .....	41.1	40.8	40.0	12.09	12.05	11.93	496.90	491.64	477.20
Sioux City .....	42.5	41.1	40.2	9.01	9.68	9.54	382.93	397.85	383.51
<b>Kansas</b> .....	40.8	40.2	40.0	11.10	11.38	11.42	452.88	457.48	456.80
Topeka .....	39.0	40.1	39.6	12.59	13.26	13.20	491.01	531.73	522.72
Wichita .....	41.2	40.2	40.4	12.52	12.88	13.20	515.82	517.78	533.28
<b>Kentucky</b> .....	40.2	40.7	40.4	10.81	10.97	11.02	434.56	446.48	445.21
Lexington-Fayette .....	41.4	41.2	42.0	11.53	11.33	11.46	477.34	466.80	481.32
Louisville .....	42.2	42.0	41.2	12.28	12.76	12.72	518.22	535.92	524.06
<b>Louisiana</b> .....	43.2	43.2	43.8	11.65	11.88	11.88	503.28	513.22	520.34
Baton Rouge .....	44.6	44.4	44.6	14.18	13.93	13.74	632.43	618.49	612.80
New Orleans .....	42.1	41.9	42.8	11.12	11.55	11.45	468.15	483.95	490.06
Shreveport .....	42.6	42.1	41.1	12.40	12.77	12.61	528.24	537.62	518.27
<b>Maine</b> .....	40.2	41.1	40.4	10.81	11.12	11.10	434.56	457.03	448.44
Lewiston-Auburn .....	38.9	41.4	41.2	9.34	8.94	9.27	363.33	370.12	381.92
Portland .....	38.0	38.6	39.0	10.53	10.37	10.43	400.14	400.28	406.77
<b>Maryland</b> .....	41.1	41.3	40.9	11.62	12.20	11.99	477.58	503.86	490.39
Baltimore MSA .....	41.2	42.2	41.5	12.03	12.88	12.56	495.64	543.54	521.24
<b>Massachusetts</b> .....	40.4	41.3	41.0	11.54	11.74	11.78	466.22	484.86	482.98
Boston .....	40.3	40.7	40.3	12.20	12.55	12.57	491.66	510.79	506.57
Springfield .....	41.2	41.9	42.0	10.90	11.38	11.49	449.08	476.82	482.58
Worcester .....	41.2	42.5	42.0	11.21	11.24	11.01	461.85	477.70	462.42
<b>Michigan</b> .....	42.9	43.1	43.0	14.17	14.68	14.65	607.89	632.71	629.95
Ann Arbor .....	44.0	41.8	42.2	15.44	16.80	16.74	679.36	702.24	706.43
Battle Creek .....	43.4	42.8	43.5	14.41	15.17	15.20	625.39	649.28	661.20
Detroit .....	43.7	43.8	43.7	15.27	15.67	15.59	667.30	686.35	681.28
Flint .....	42.9	44.1	44.0	18.10	18.73	18.68	776.49	825.99	821.92
Grand Rapids .....	41.9	41.6	40.6	11.96	12.48	12.54	501.12	519.17	509.12
Jackson .....	42.3	43.0	42.4	10.68	10.92	11.00	451.76	469.56	466.40
Kalamazoo .....	43.2	44.1	43.1	14.17	15.07	14.95	612.14	664.59	644.34
Lansing-East Lansing .....	44.8	40.9	43.8	17.05	17.23	17.77	763.84	704.71	778.33
Muskegon .....	40.1	40.2	40.0	12.68	12.23	12.29	508.47	491.65	491.60
Saginaw-Bay City-Midland .....	42.7	43.3	42.8	16.68	16.98	16.56	712.24	735.23	708.77

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Minnesota</b> .....	40.3	41.0	40.4	\$11.26	\$11.54	\$11.62	\$453.78	\$473.14	\$469.45
Duluth .....	40.8	40.6	38.7	11.56	11.38	11.52	471.65	462.03	445.82
Minneapolis-St. Paul .....	40.1	40.6	40.3	11.98	12.34	12.30	480.40	501.00	495.69
St. Cloud .....	38.9	40.7	38.9	10.11	10.25	10.21	393.28	417.18	397.17
<b>Mississippi</b> .....	39.1	40.7	40.2	8.47	8.73	8.69	331.18	355.31	349.34
Jackson .....	39.7	41.0	40.4	9.39	9.54	9.18	372.78	391.14	370.87
<b>Missouri</b> .....	40.9	41.3	40.7	10.80	11.03	10.98	441.72	455.54	446.89
Kansas City .....	41.2	41.3	41.2	11.55	12.58	12.53	475.86	519.55	516.24
St. Louis .....	42.0	42.7	43.3	13.09	13.15	12.99	549.78	561.51	562.47
Springfield .....	39.7	41.6	41.2	9.38	9.74	9.74	372.39	405.18	401.29
<b>Montana</b> .....	39.8	39.4	40.5	11.40	12.19	11.82	453.72	480.29	478.71
<b>Nebraska</b> .....	41.5	41.2	40.6	9.78	9.91	9.86	405.87	408.29	400.32
Lincoln .....	40.3	40.8	40.4	10.96	11.19	11.12	441.69	456.55	449.25
Omaha .....	41.7	41.3	41.5	10.46	10.50	10.27	436.18	433.65	426.21
<b>Nevada</b> .....	40.6	40.5	40.7	11.04	11.13	11.18	448.22	450.77	455.03
Las Vegas .....	41.0	40.2	39.9	12.73	12.52	12.79	521.93	503.30	510.32
<b>New Hampshire</b> .....	40.1	42.4	41.5	10.83	10.86	10.80	434.28	460.46	448.20
Manchester .....	40.9	41.9	41.6	10.74	11.11	11.17	439.27	465.51	464.67
Nashua .....	40.0	43.1	42.0	13.99	12.91	12.99	559.60	556.42	545.58
Portsmouth-Dover-Rochester .....	40.7	41.8	41.3	9.99	10.74	10.60	406.59	448.93	437.78
<b>New Jersey</b> .....	41.3	41.7	41.4	11.75	12.37	12.36	485.28	515.83	511.70
<b>New Mexico</b> .....	41.8	40.2	40.3	8.88	9.40	9.35	371.18	377.88	376.81
Albuquerque .....	40.4	40.6	40.9	9.28	9.80	9.82	374.91	397.88	401.64
<b>New York</b> .....	39.6	40.4	40.3	11.25	11.55	11.58	445.50	466.62	466.67
Albany-Schenectady-Troy .....	40.8	41.7	42.1	11.98	12.51	12.66	488.78	521.67	532.99
Binghamton .....	39.7	40.3	40.0	10.11	9.71	9.63	401.37	391.31	385.20
Buffalo .....	43.0	42.5	43.2	13.30	13.72	13.62	571.90	583.10	588.38
Elmira .....	39.6	40.9	42.2	10.11	10.64	10.68	400.36	435.18	450.70
Nassau-Suffolk .....	39.6	38.8	39.5	11.85	12.04	11.94	469.26	467.15	471.63
New York PMSA .....	37.0	37.6	38.0	10.40	10.54	10.61	384.80	396.30	403.18
New York City .....	36.9	37.3	37.6	10.27	10.31	10.33	378.96	384.56	388.41
Niagara Falls .....	40.9	41.7	41.2	14.52	14.74	14.71	593.87	614.66	606.05
Orange County .....	39.3	40.0	39.5	9.96	10.20	10.13	391.43	408.00	400.14
Poughkeepsie .....	40.2	40.7	40.3	10.84	11.20	11.22	435.77	455.84	452.17
Rochester .....	42.0	43.0	42.7	12.72	13.58	13.63	534.24	583.94	582.00
Rockland County .....	39.4	38.7	39.3	9.23	10.64	10.65	363.66	411.77	418.55
Syracuse .....	40.8	41.2	40.8	12.34	12.87	12.93	503.47	530.24	527.54
Utica-Rome .....	40.8	40.5	40.2	10.43	10.58	10.63	425.54	428.49	427.33
Westchester County .....	37.5	39.0	41.1	12.01	12.45	12.81	450.38	485.55	526.49
<b>North Carolina</b> .....	40.0	40.7	40.7	8.86	9.23	9.23	354.40	375.66	375.66
Asheville .....	41.4	41.0	41.1	8.86	9.15	9.10	366.80	375.15	374.01
Charlotte-Gastonia-Rock Hill .....	40.3	39.9	39.6	9.46	9.93	9.91	381.24	396.21	392.44
Greensboro-Winston-Salem-High Point .....	39.1	39.7	39.7	9.53	9.96	9.98	372.62	395.41	398.21
Raleigh-Durham .....	41.1	42.1	41.5	10.11	10.50	10.45	415.52	442.05	433.68
<b>North Dakota</b> .....	40.7	38.9	40.1	8.77	9.60	9.46	356.94	373.44	379.35
Fargo-Moorhead .....	42.0	39.6	40.7	8.53	8.92	9.04	358.26	353.23	367.93
<b>Ohio</b> .....	42.6	43.1	43.1	12.85	13.34	13.40	547.41	574.95	577.54
Akron .....	42.6	43.0	43.0	12.13	12.42	12.40	519.16	534.06	533.20
Canton .....	42.3	42.7	41.8	11.48	11.32	11.41	485.60	483.36	476.94
Cincinnati .....	43.1	43.2	43.8	12.21	12.68	12.90	526.25	547.78	565.02
Cleveland .....	42.9	42.3	42.7	12.29	12.76	12.77	527.24	539.75	545.26
Columbus .....	42.1	42.6	42.3	12.61	13.07	13.13	530.88	556.78	555.40
Dayton-Springfield .....	42.5	43.4	43.0	13.67	14.29	14.37	580.98	620.19	617.91
Toledo .....	43.1	43.6	43.2	13.52	14.19	14.19	582.71	618.68	613.01
Youngstown-Warren .....	43.4	44.6	44.7	15.30	16.04	15.98	664.02	715.38	714.31

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**  
**NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P	Oct. 1990	Sept. 1991	Oct. 1991P
<b>Oklahoma</b> .....	41.3	40.9	41.0	\$10.52	\$11.21	\$11.17	\$434.48	\$458.49	\$457.97
Oklahoma City .....	42.5	41.2	41.8	11.16	12.37	12.36	474.30	509.64	516.65
Tulsa .....	41.8	41.7	41.3	11.35	11.84	11.74	474.43	493.73	484.86
<b>Oregon</b> .....	40.0	40.1	39.5	11.34	11.52	11.51	453.60	461.95	454.65
Eugene-Springfield .....	37.8	39.5	38.5	10.89	11.43	11.25	411.64	451.49	433.13
Medford .....	38.6	41.3	39.6	11.19	11.31	11.46	431.93	467.10	453.82
Portland .....	40.2	40.0	40.7	11.62	11.93	11.96	467.12	477.20	486.77
Salem .....	37.4	38.7	39.0	9.41	9.42	9.35	351.93	364.55	364.65
<b>Pennsylvania</b> .....	40.8	41.0	40.8	11.14	11.55	11.56	454.51	473.55	471.65
Allentown-Bethlehem .....	39.6	40.7	40.2	11.05	11.66	11.58	437.58	474.56	465.52
Altoona .....	39.1	40.2	39.1	9.49	9.42	9.62	371.06	378.68	376.14
Beaver County .....	44.2	45.2	44.5	11.28	11.58	11.56	498.58	523.42	514.42
Erie .....	43.6	42.9	42.6	11.88	12.03	11.93	517.97	516.09	508.22
Harrisburg-Lebanon-Carlisle .....	40.4	40.6	39.7	11.13	11.60	11.52	449.65	470.96	457.34
Johnstown .....	38.8	39.0	39.2	8.82	9.09	9.04	342.22	354.51	354.37
Lancaster .....	39.9	40.3	40.1	11.07	11.33	11.37	441.69	456.60	455.94
Philadelphia PMSA .....	40.5	40.4	40.4	12.05	12.55	12.53	488.03	507.02	506.21
Pittsburgh .....	41.4	41.9	41.7	11.46	11.95	12.00	474.44	500.71	500.40
Reading .....	40.5	41.5	41.3	11.54	12.16	12.09	467.37	504.64	499.32
Scranton-Wilkes-Barre .....	39.5	39.9	40.2	9.74	10.24	10.19	384.73	408.58	409.64
Sharon .....	43.3	44.6	43.5	12.15	12.63	12.55	526.10	563.30	545.93
State College .....	40.1	39.3	39.4	10.07	10.26	10.33	403.81	403.22	407.00
Williamsport .....	39.4	40.4	39.3	9.60	10.71	10.71	378.24	432.68	420.90
York .....	41.5	41.9	41.5	10.75	11.30	11.30	446.13	473.47	468.95
<b>Rhode Island</b> .....	39.8	41.1	40.8	9.56	9.64	9.70	380.49	396.20	395.76
Pawtucket-Woonsocket-Attleboro .....	38.9	41.6	41.7	9.14	8.95	8.99	355.55	372.32	374.88
Providence .....	39.9	41.2	41.1	9.46	9.90	9.82	377.45	407.88	403.60
<b>South Carolina</b> .....	40.8	41.3	41.2	8.96	9.20	9.22	365.57	379.96	379.86
Charleston .....	40.8	40.6	41.1	9.15	9.52	9.53	373.32	386.51	391.68
Columbia .....	41.3	42.0	41.9	9.07	9.52	9.55	374.59	399.84	400.14
Greenville-Spartanburg .....	41.2	41.2	41.2	8.91	9.28	9.32	367.09	382.34	383.98
<b>South Dakota</b> .....	41.8	41.9	40.5	8.56	8.83	8.86	357.81	369.98	358.83
Rapid City .....	41.0	41.6	40.9	9.17	9.50	9.50	375.97	395.20	388.55
Sioux Falls .....	43.1	41.7	41.8	8.85	9.16	9.00	381.44	381.97	376.20
<b>Tennessee</b> .....	38.9	39.8	39.7	9.62	9.95	9.96	374.22	396.01	395.41
Chattanooga .....	41.0	41.5	41.4	8.79	10.17	10.04	360.39	422.06	415.66
Johnson City-Kingsport-Bristol .....	39.4	40.4	40.2	9.97	10.97	10.98	392.82	443.19	441.40
Knoxville .....	39.2	40.7	41.1	9.32	9.94	10.04	365.34	404.56	412.64
Memphis .....	40.6	40.7	40.8	9.60	10.18	10.10	389.76	414.33	412.08
Nashville .....	40.2	42.2	42.1	11.18	11.25	11.09	449.44	474.75	466.89
<b>Texas</b> .....	41.9	42.7	42.2	10.54	10.95	10.94	441.63	467.57	461.67
Dallas .....	41.9	42.0	41.2	10.41	10.74	10.75	436.18	451.08	442.90
Ft. Worth-Arlington .....	40.9	42.9	42.4	11.36	11.96	11.90	464.62	513.08	504.56
Houston .....	44.7	44.5	44.0	12.17	12.56	12.58	544.00	558.92	553.52
San Antonio .....	41.1	41.4	40.6	7.84	8.34	8.19	322.22	345.28	332.51
<b>Utah</b> .....	40.0	40.7	40.4	10.35	10.77	10.79	414.00	438.34	435.92
Salt Lake City-Ogden .....	40.1	40.5	40.4	10.48	10.88	10.97	420.25	440.64	443.19
<b>Vermont</b> .....	41.4	41.6	41.7	10.64	10.95	11.06	440.50	455.52	461.20
Burlington .....	40.1	42.4	41.7	11.21	11.42	11.47	449.52	484.21	478.30
<b>Virginia</b> .....	40.1	41.3	40.9	10.20	10.44	10.47	409.02	431.17	428.22
Bristol .....	35.4	40.9	39.8	8.78	8.51	8.54	310.81	348.06	339.89
Charlottesville .....	42.9	41.8	42.5	8.94	9.23	9.36	383.53	385.81	397.80
Danville .....	40.4	42.8	42.5	9.67	9.75	9.87	390.67	417.30	419.48
Lynchburg .....	40.0	41.4	39.1	9.83	9.95	9.97	393.20	411.93	389.83
Northern Virginia .....	40.4	39.7	39.4	11.40	11.95	11.85	460.56	474.42	466.89
Richmond-Petersburg .....	43.3	42.6	42.4	13.35	13.71	13.61	578.06	584.05	577.06
Roanoke .....	41.2	42.3	41.5	11.98	12.48	12.58	493.58	527.90	522.07
<b>Washington</b> .....	40.5	40.3	40.2	12.68	13.30	13.43	513.54	535.99	539.89

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA HOURS AND EARNINGS  
NOT SEASONALLY ADJUSTED**

**C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued**

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>West Virginia</b> .....	40.5	40.7	40.4	\$11.74	\$11.84	\$11.72	\$475.47	\$481.89	\$473.49
Charleston .....	44.8	43.9	45.5	13.79	14.03	13.50	617.79	615.92	614.25
Huntington-Ashland .....	41.4	40.4	39.5	14.04	13.86	13.96	581.26	559.94	551.42
Parkersburg-Marietta .....	41.6	41.3	40.8	13.69	14.23	14.01	569.50	587.70	571.61
Wheeling .....	42.8	47.3	46.3	13.92	15.01	14.28	595.78	709.97	661.16
<b>Wisconsin</b> .....	41.6	42.3	41.7	11.18	11.48	11.55	465.09	485.60	481.64
Appleton-Oshkosh .....	43.2	43.9	42.8	11.99	12.14	12.27	517.97	532.95	525.16
Eau Claire .....	43.5	45.8	45.4	11.78	12.36	12.45	512.43	566.09	565.23
Green Bay .....	42.4	42.3	43.5	11.76	12.32	12.40	498.62	521.14	539.40
Janesville-Beloit .....	44.6	43.7	44.0	14.64	14.33	14.19	652.94	626.22	624.36
Kenosha .....	40.1	41.2	40.8	11.59	11.99	12.17	464.76	493.99	496.54
La Crosse .....	41.9	40.9	41.1	10.12	9.48	10.49	424.03	387.73	431.14
Madison .....	41.0	43.8	42.1	10.37	10.93	10.85	425.17	478.73	456.79
Milwaukee .....	41.6	42.1	41.8	11.94	12.61	12.51	496.70	530.88	522.92
Racine .....	39.9	40.2	40.8	11.86	12.04	11.84	473.21	484.01	483.07
Sheboygan .....	44.4	45.3	44.0	10.92	11.37	11.54	484.85	515.06	507.76
Wausau .....	43.1	44.5	43.3	11.21	11.35	11.39	483.15	505.08	493.19
<b>Wyoming</b> .....	39.5	39.4	39.4	10.21	11.38	10.71	403.30	448.37	421.97
<b>Puerto Rico</b> .....	39.2	39.3	39.7	6.12	6.39	6.43	239.90	251.13	255.27
<b>Virgin Islands</b> .....	42.2	41.9	41.2	11.93	12.37	12.52	503.45	518.30	515.82

<sup>1</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this

publication. All State and area data have been adjusted to March 1990 benchmarks.

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted**

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	Sept. 1991 <sup>1</sup>	Oct. 1991 <sup>1</sup>	Nov. 1991 <sup>P</sup>	Nov. 1990 to Nov. 1991 <sup>P</sup>	Sept. 1991 to Oct. 1991 <sup>1</sup>	Oct. 1991 to Nov. 1991 <sup>P</sup>
Total .....	202,102	201,267	200,089	-1.3	-0.4	-0.6
Private sector .....	165,155	164,015	163,912	-1.2	-.7	-.1
Mining .....	1,574	1,564	1,554	-6.6	-.6	-.6
Construction .....	9,359	9,303	8,947	-9.9	-.6	-3.8
Manufacturing .....	39,172	39,048	38,993	-1.8	-.3	-.1
Durable goods .....	22,616	22,478	22,406	-3.1	-.6	-.3
Nondurable goods .....	16,556	16,570	16,588	.1	.1	.1
Transportation and public utilities .....	11,821	11,745	11,722	-1.0	-.6	-.2
Wholesale trade .....	12,016	11,972	11,951	-2.1	-.4	-.2
Retail trade .....	28,961	28,594	28,728	-1.9	-1.3	.5
Finance, insurance, and real estate .....	12,609	12,364	12,487	-.6	-1.9	1.0
Services .....	49,645	49,425	49,530	1.6	-.4	.2
Government .....	36,946	37,252	36,176	-1.9	.8	-2.9

<sup>1</sup> Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

<sup>P</sup> = preliminary.

<sup>1</sup> = revised.

NOTE: Data refer to hours of all employees—production workers,

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors. SOURCE: Office of Productivity and Technology (202 523 9261).



C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted

(1982=100)

Item	Annual average		Quarterly index										
	1989	1990	1989				1990				1991		
			I	II	III	IV	I	II	III	IV	I	II	III
<b>Business sector</b>													
Output per hour of all persons .....	112.8	112.4	113.0	113.1	112.8	112.2	112.0	112.4	112.7	112.3	112.3	112.2	112.8
Output .....	135.8	136.1	135.6	135.9	136.1	135.5	136.0	136.4	136.5	135.4	133.7	133.6	134.5
Hours .....	120.4	121.1	120.0	120.1	120.7	120.7	121.3	121.3	121.2	120.5	119.1	119.1	119.2
Compensation per hour .....	133.0	138.4	131.8	132.8	133.4	134.2	135.7	137.7	139.4	140.6	142.0	143.6	144.8
Real compensation per hour .....	103.5	102.2	104.4	103.6	103.2	102.9	102.2	102.7	102.3	101.4	101.5	102.1	102.3
Unit labor costs .....	118.0	123.1	116.6	117.3	118.3	119.6	121.1	122.5	123.7	125.2	126.4	128.0	128.4
Unit nonlabor payments .....	133.1	136.6	130.9	133.4	133.8	134.4	135.5	137.0	137.5	136.5	138.4	139.8	140.0
Implicit price deflator .....	122.8	127.5	121.2	122.5	123.3	124.3	125.8	127.2	128.2	128.8	130.3	131.8	132.1
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	111.9	111.2	112.1	112.1	111.9	111.3	111.0	111.3	111.5	111.2	111.2	111.2	111.8
Output .....	136.7	136.9	136.4	136.8	137.1	136.3	136.8	137.2	137.4	136.1	134.5	134.3	135.3
Hours .....	122.2	123.1	121.7	122.1	122.5	122.5	123.3	123.3	123.2	122.4	120.9	120.8	121.0
Compensation per hour .....	132.1	137.2	131.0	131.7	132.4	133.3	134.6	136.6	138.2	139.5	140.9	142.5	143.8
Real compensation per hour .....	102.8	101.3	103.7	102.7	102.5	102.2	101.3	101.8	101.4	100.6	100.8	101.4	101.5
Unit labor costs .....	118.1	123.4	116.9	117.5	118.3	119.8	121.3	122.7	124.0	125.4	126.7	128.2	128.6
Unit nonlabor payments .....	133.8	137.1	131.1	134.0	134.7	135.3	135.7	137.4	138.0	137.5	139.3	140.2	140.8
Implicit price deflator .....	123.0	127.7	121.4	122.7	123.5	124.7	125.8	127.3	128.4	129.2	130.7	132.0	132.4
<b>Manufacturing</b>													
Output per hour of all persons .....	133.3	136.6	133.1	133.8	133.1	133.4	134.7	136.0	138.0	137.2	136.6	137.9	139.3
Output .....	146.4	147.0	147.1	147.1	146.0	145.3	145.9	147.5	148.8	145.7	141.6	142.4	144.7
Hours .....	109.8	107.6	110.5	110.0	109.8	108.9	108.4	108.5	107.8	106.2	103.6	103.2	103.9
Compensation per hour .....	127.7	131.8	126.6	127.1	128.4	128.9	129.3	131.0	132.5	133.8	134.6	136.6	137.7
Real compensation per hour .....	99.3	97.3	100.2	99.1	99.4	98.8	97.3	97.7	97.2	96.5	96.3	97.1	97.2
Unit labor costs .....	95.8	96.5	95.1	95.0	96.5	96.6	96.0	96.3	96.1	97.5	98.6	99.0	98.8
<b>Durable goods</b>													
Output per hour of all persons .....	145.6	150.6	144.3	146.3	146.2	145.7	147.3	149.9	153.0	151.4	150.8	152.0	153.9
Output .....	161.0	161.4	161.7	162.2	161.0	159.1	159.7	162.6	164.3	159.1	153.5	154.3	156.8
Hours .....	110.6	107.2	112.1	110.9	110.2	109.2	108.5	108.4	107.4	105.1	101.8	101.5	101.8
Compensation per hour .....	126.5	130.7	125.2	125.7	127.4	127.8	128.1	129.8	131.5	132.8	133.7	135.7	137.1
Real compensation per hour .....	98.5	96.5	99.1	98.1	98.6	98.0	96.5	96.8	96.5	95.7	95.6	96.5	96.8
Unit labor costs .....	86.9	86.8	86.8	86.0	87.2	87.7	87.0	86.5	86.0	87.7	88.7	89.2	89.0
<b>Nondurable goods</b>													
Output per hour of all persons .....	116.7	118.1	117.9	116.9	115.5	116.9	117.9	117.4	118.1	118.7	118.2	119.6	120.4
Output .....	126.9	127.7	127.6	127.1	126.1	126.9	127.6	127.4	128.0	127.8	125.7	126.4	128.7
Hours .....	108.7	108.1	108.2	108.7	109.2	108.5	108.2	108.5	108.4	107.7	106.3	105.7	106.9
Compensation per hour .....	129.4	133.8	128.4	129.0	129.8	130.6	131.3	133.1	134.4	135.8	136.8	138.6	139.4
Real compensation per hour .....	100.7	98.8	101.7	100.7	100.5	100.1	98.8	99.2	98.6	97.9	97.8	98.6	98.4
Unit labor costs .....	110.8	113.2	108.9	110.4	112.4	111.7	111.3	113.4	113.8	114.4	115.7	115.9	115.8
<b>Nonfinancial corporations</b>													
Output per all-employee hour .....	115.1	114.6	114.6	114.9	115.6	114.5	114.0	114.8	114.6	114.6	114.3	114.5	( <sup>1</sup> )
Output .....	140.4	140.6	139.5	140.3	141.5	140.4	140.5	141.4	141.1	139.6	137.3	137.3	( <sup>1</sup> )
Hours .....	122.1	122.8	121.7	122.1	122.4	122.6	123.2	123.2	123.1	121.8	120.1	119.9	( <sup>1</sup> )
Compensation per hour .....	129.5	134.2	128.2	128.9	129.7	130.3	131.2	133.7	135.2	136.4	137.7	139.2	( <sup>1</sup> )
Real compensation per hour .....	100.7	99.1	101.5	100.6	100.4	99.9	98.8	99.7	99.2	98.4	98.4	99.0	( <sup>1</sup> )
Total unit costs .....	111.4	116.3	110.1	110.9	111.5	113.2	114.3	115.4	117.1	118.6	120.5	121.5	( <sup>1</sup> )
Unit labor costs .....	112.5	117.1	111.9	112.2	112.1	113.9	115.1	116.5	118.0	119.0	120.4	121.6	( <sup>1</sup> )
Unit nonlabor costs .....	108.6	114.3	105.4	107.5	109.8	111.5	112.4	112.6	114.8	117.3	120.8	121.1	( <sup>1</sup> )
Unit profits .....	153.4	139.5	158.4	158.4	154.4	142.5	142.9	149.1	138.6	127.5	125.3	129.9	( <sup>1</sup> )
Implicit price deflator .....	114.0	117.8	113.1	113.9	114.2	115.0	116.1	117.5	118.5	119.1	120.8	122.0	( <sup>1</sup> )

<sup>1</sup> Not available.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

**C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates**

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	II 1990	III 1990	IV 1990	I 1991	II 1991	III 1991	II 1990	III 1990	IV 1990	I 1991	II 1991	III 1991
<b>Business sector</b>												
Output per hour of all persons .....	1.4	0.9	-1.2	0.0	-0.5	2.3	-0.6	-0.1	0.1	0.2	-0.2	0.1
Output .....	1.2	.5	-3.4	-4.7	-5	2.9	.3	.3	-1	-1.6	-2.0	-1.5
Hours .....	-2	-4	-2.1	-4.7	.0	.6	1.0	.4	-2	-1.9	-1.8	-1.6
Compensation per hour .....	6.1	5.0	3.3	4.0	4.6	3.5	3.7	4.5	4.8	4.6	4.2	3.9
Real compensation per hour .....	2.1	-1.7	-3.4	.5	2.4	.5	-8	-9	-1.4	-7	-6	.0
Unit labor costs .....	4.7	4.1	4.6	4.1	5.1	1.2	4.4	4.6	4.7	4.4	4.5	3.7
Unit nonlabor payments .....	4.5	1.7	-3.0	5.7	3.9	.8	2.7	2.8	1.6	2.2	2.0	1.8
Implicit price deflator .....	4.6	3.2	2.0	4.6	4.7	1.1	3.8	4.0	3.6	3.6	3.6	3.1
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	1.2	.6	-.8	.0	-.3	2.4	-.7	-.4	-.1	.2	-.1	.3
Output .....	1.2	.4	-3.6	-4.8	-.4	3.0	.3	.2	-.1	-1.7	-2.1	-1.5
Hours .....	.0	-.1	-2.8	-4.9	-.1	.6	1.0	.6	-.1	-2.0	-2.0	-1.8
Compensation per hour .....	5.9	5.0	3.7	4.2	4.6	3.5	3.7	4.4	4.6	4.7	4.4	4.0
Real compensation per hour .....	2.0	-1.8	-3.0	.7	2.5	.5	-.9	-1.1	-1.5	-.6	-.4	.1
Unit labor costs .....	4.7	4.4	4.6	4.2	4.9	1.1	4.4	4.8	4.7	4.5	4.5	3.7
Unit nonlabor payments .....	5.1	1.9	-1.5	5.2	2.8	1.7	2.5	2.5	1.7	2.6	2.1	2.0
Implicit price deflator .....	4.8	3.6	2.5	4.5	4.2	1.3	3.8	4.0	3.7	3.8	3.7	3.1
<b>Manufacturing</b>												
Output per hour of all persons .....	3.8	6.1	-2.2	-1.8	3.9	4.0	1.6	3.7	2.9	1.4	1.4	.9
Output .....	4.3	3.5	-8.1	-10.8	2.2	6.8	.2	1.9	.3	-3.0	-3.5	-2.7
Hours .....	.5	-2.4	-6.0	-9.1	-1.6	2.7	-1.4	-1.8	-2.5	-4.3	-4.8	-3.6
Compensation per hour .....	5.3	4.8	3.7	2.6	5.9	3.2	3.1	3.3	3.8	4.1	4.3	3.9
Real compensation per hour .....	1.4	-1.9	-3.0	-.9	3.7	.2	-1.4	-2.2	-2.3	-1.1	-.5	.0
Unit labor costs .....	1.5	-1.1	6.0	4.5	1.9	-.7	1.4	-.4	.9	2.7	2.8	2.9
<b>Durable goods</b>												
Output per hour of all persons .....	7.4	8.4	-4.1	-1.6	3.3	5.1	2.5	4.7	3.9	2.4	1.4	.6
Output .....	7.3	4.3	-12.1	-13.3	2.2	6.4	.3	2.0	.0	-3.9	-5.1	-4.6
Hours .....	-.1	-3.8	-8.3	-11.9	-1.1	1.2	-2.2	-2.5	-3.8	-6.1	-6.4	-5.2
Compensation per hour .....	5.3	5.6	3.8	2.8	6.1	4.2	3.2	3.2	3.9	4.4	4.6	4.2
Real compensation per hour .....	1.3	-1.2	-3.0	-.7	3.9	1.1	-1.4	-2.2	-2.3	-.9	-.3	.3
Unit labor costs .....	-2.0	-2.6	8.2	4.5	2.7	-.9	.7	-1.4	.0	1.9	3.1	3.6
<b>Nondurable goods</b>												
Output per hour of all persons .....	-1.8	2.6	1.9	-1.4	4.7	2.6	.4	2.3	1.5	.3	1.9	1.9
Output .....	-6	2.1	-.9	-6.4	2.3	7.6	.2	1.6	.7	-1.5	-.8	.5
Hours .....	1.3	-.4	-2.7	-5.1	-2.3	4.8	-.2	-.7	-.7	-1.8	-2.6	-1.4
Compensation per hour .....	5.6	4.0	4.2	3.0	5.5	2.1	3.1	3.5	4.0	4.2	4.2	3.7
Real compensation per hour .....	1.6	-2.7	-2.5	-.5	3.4	-.8	-1.4	-1.9	-2.2	-1.0	-.6	-.1
Unit labor costs .....	7.6	1.4	2.3	4.4	.8	-.5	2.7	1.2	2.5	3.9	2.2	1.7
<b>Nonfinancial corporations</b>												
Output per all-employee hour .....	2.6	-.7	.2	-1.1	.5	( <sup>1</sup> )	-.1	-.9	.1	.2	-.3	( <sup>1</sup> )
Output .....	2.5	-.8	-4.1	-6.5	-.1	( <sup>1</sup> )	.8	-.3	-.6	-2.3	-2.9	( <sup>1</sup> )
Hours .....	.0	-.1	-4.3	-5.5	-.6	( <sup>1</sup> )	.9	.6	-.7	-2.5	-2.6	( <sup>1</sup> )
Compensation per hour .....	7.6	4.8	3.6	3.8	4.6	( <sup>1</sup> )	3.7	4.3	4.7	4.9	4.2	( <sup>1</sup> )
Real compensation per hour .....	3.6	-2.0	-3.1	.2	2.4	( <sup>1</sup> )	-.9	-1.2	-1.5	-.4	-.6	( <sup>1</sup> )
Total unit costs .....	3.7	6.3	5.0	6.9	3.1	( <sup>1</sup> )	4.0	5.1	4.7	5.4	5.3	( <sup>1</sup> )
Unit labor costs .....	4.9	5.5	3.4	4.9	4.0	( <sup>1</sup> )	3.8	5.3	4.5	4.7	4.5	( <sup>1</sup> )
Unit nonlabor costs .....	.5	8.3	9.1	12.2	1.0	( <sup>1</sup> )	4.7	4.6	5.2	7.4	7.6	( <sup>1</sup> )
Unit profits .....	18.6	-25.3	-28.4	-6.8	15.8	( <sup>1</sup> )	-5.9	-10.2	-10.5	-12.3	-12.8	( <sup>1</sup> )
Implicit price deflator .....	4.8	3.4	2.2	5.9	3.9	( <sup>1</sup> )	3.2	3.8	3.5	4.1	3.9	( <sup>1</sup> )

<sup>1</sup> Not available.

SOURCE: Office of Productivity and Technology (202 523 9261).

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Alabama</b> .....	1,906.2	1,896.3	1,908.0	134.4	126.2	127.3	7.1	6.7	6.7
Birmingham .....	442.4	440.2	442.6	25.0	24.8	25.5	5.6	5.6	5.8
Huntsville .....	139.9	133.2	132.8	6.6	6.2	6.3	4.9	4.7	4.7
Mobile .....	213.7	212.9	215.9	15.1	14.9	15.3	7.1	7.0	7.1
Montgomery .....	138.2	135.2	136.2	9.3	8.1	8.0	6.8	6.0	5.9
Tuscaloosa .....	73.8	73.6	74.3	4.0	3.9	3.8	5.4	5.3	5.1
<b>Alaska</b> .....	256.9	260.5	259.6	16.2	19.6	23.3	6.3	7.5	9.0
<b>Arizona</b> .....	1,738.6	1,709.7	1,714.5	83.1	95.1	103.2	4.8	5.6	6.0
Phoenix .....	1,078.9	1,060.0	1,061.9	42.1	51.5	56.4	3.9	4.9	5.3
Tucson .....	318.3	317.4	317.0	11.8	11.7	13.3	3.7	3.7	4.2
<b>Arkansas</b> .....	1,134.8	1,112.7	1,107.7	70.6	76.6	79.0	6.2	6.9	7.1
Fayetteville-Springdale .....	64.8	63.3	63.1	2.0	2.4	2.5	3.2	3.8	3.9
Fort Smith .....	92.7	90.3	90.3	7.4	7.2	7.7	8.0	7.9	8.6
Little Rock-North Little Rock .....	267.6	265.1	263.7	14.6	16.5	16.9	5.5	6.2	6.4
Pine Bluff .....	37.1	36.7	36.6	3.1	3.7	3.7	8.2	10.1	10.2
<b>California<sup>1</sup></b> .....	14,659.3	14,968.6	15,001.1	831.6	1,122.9	1,093.9	5.7	7.5	7.3
Anaheim-Santa Ana .....	1,378.9	1,374.3	1,386.8	50.1	67.3	68.2	3.6	4.9	4.9
Bakersfield .....	230.5	236.5	236.6	23.8	24.9	30.2	10.3	10.5	12.8
Fresno .....	320.5	351.4	327.8	31.1	29.4	36.7	9.7	8.4	11.2
Los Angeles-Long Beach <sup>1</sup> .....	4,375.0	4,563.0	4,578.0	271.0	425.0	357.0	6.2	9.3	7.8
Modesto .....	165.2	172.5	168.2	16.5	17.3	20.1	10.0	10.0	12.0
Oakland .....	1,100.7	1,100.9	1,107.8	45.1	59.8	60.4	4.1	5.4	5.4
Oxnard-Ventura .....	371.4	370.9	369.8	21.6	29.1	28.0	5.8	7.8	7.6
Riverside-San Bernardino .....	1,086.5	1,107.3	1,120.2	76.5	100.7	103.3	7.0	9.1	9.2
Sacramento .....	743.0	753.1	752.0	34.5	46.9	49.1	4.6	6.2	6.5
Salinas-Seaside-Monterey .....	162.8	165.1	166.2	11.4	11.5	12.6	7.0	6.9	7.6
San Diego .....	1,177.7	1,174.5	1,176.8	55.6	72.9	74.2	4.7	6.2	6.3
San Francisco .....	873.7	874.9	882.1	28.2	39.6	39.2	3.2	4.5	4.4
San Jose .....	808.8	804.2	809.1	33.9	44.3	46.1	4.2	5.5	5.7
Santa Barbara-Santa Maria-Lompoc .....	180.7	179.1	180.9	8.0	10.0	10.2	4.4	5.6	5.7
Santa Rosa-Petaluma .....	217.1	221.1	222.9	8.8	11.6	12.0	4.1	5.3	5.4
Stockton .....	196.1	208.1	202.5	18.0	18.8	21.8	9.2	9.0	10.8
Vallejo-Fairfield-Napa .....	203.4	207.1	206.7	10.9	13.1	13.0	5.4	6.3	6.3
<b>Colorado</b> .....	1,761.4	1,771.7	1,768.5	72.7	66.8	75.6	4.1	3.8	4.3
Boulder-Longmont .....	140.7	139.5	140.9	4.1	3.9	4.5	2.9	2.8	3.2
Denver .....	902.4	907.3	907.4	34.7	33.1	37.3	3.8	3.7	4.1
<b>Connecticut</b> .....	1,779.1	1,798.4	1,798.4	86.3	115.9	107.6	4.8	6.4	6.0
Bridgeport-Milford .....	229.2	231.6	230.8	13.5	17.3	15.9	5.9	7.5	6.9
Hartford .....	433.6	433.6	433.4	18.9	27.1	25.1	4.4	6.2	5.8
New Britain .....	74.6	75.4	75.1	4.3	6.3	5.9	5.8	8.4	7.8
New Haven-Meriden .....	290.1	287.3	290.3	13.5	17.6	16.4	4.6	6.1	5.7
Stamford .....	113.3	116.4	115.8	4.1	5.2	4.8	3.6	4.4	4.1
Waterbury .....	103.2	102.7	102.0	7.3	9.6	9.0	7.1	9.4	8.8
<b>Delaware</b> .....	364.0	358.4	363.0	20.2	22.3	20.2	5.6	6.2	5.6
Wilmington .....	314.9	308.4	313.7	16.9	18.8	17.4	5.4	6.1	5.6
<b>District of Columbia</b> .....	293.6	281.5	274.6	20.6	22.5	22.9	7.0	8.0	8.3
Washington .....	2,206.9	2,240.8	2,222.9	83.6	96.6	97.4	3.8	4.3	4.4
<b>Florida<sup>1</sup></b> .....	6,474.8	6,473.4	6,498.0	399.3	519.1	467.0	6.2	8.0	7.2
Daytona Beach .....	162.4	163.4	163.0	9.5	11.9	11.0	5.9	7.3	6.8
Fort Lauderdale-Hollywood-Pompano Beach .....	673.2	670.0	671.2	39.2	54.8	50.0	5.8	8.2	7.4
Fort Myers-Cape Coral .....	155.8	160.4	162.4	7.2	11.1	10.1	4.6	6.9	6.2
Gainesville .....	112.8	111.4	112.9	4.4	5.2	4.8	3.9	4.6	4.3
Jacksonville .....	470.6	470.4	470.3	25.3	33.3	30.2	5.4	7.1	6.4
Lakeland-Winter Haven .....	182.6	185.4	186.4	17.4	21.7	18.3	9.5	11.7	9.8
Melbourne-Titusville-Palm Bay .....	198.4	194.2	195.6	11.4	14.8	14.4	5.8	7.6	7.4
Miami-Hialeah .....	973.2	956.0	955.0	68.7	89.2	81.7	7.1	9.3	8.6
Orlando .....	651.1	644.7	645.1	36.3	43.6	40.0	5.6	6.8	6.2
Pensacola .....	152.4	152.9	152.9	9.4	9.4	8.8	6.2	6.2	5.8
Sarasota .....	128.6	129.3	130.3	5.3	7.2	6.6	4.1	5.6	5.0
Tallahassee .....	141.6	139.9	142.8	6.1	6.3	5.9	4.3	4.5	4.1
Tampa-St. Petersburg-Clearwater .....	1,037.0	1,036.1	1,042.6	55.5	70.7	64.1	5.4	6.8	6.1
West Palm Beach-Boca Raton-Delray Beach .....	435.6	431.9	436.8	30.9	45.6	39.0	7.1	10.5	8.9

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Georgia</b> .....	3,239.7	3,150.2	3,148.3	186.5	158.0	146.8	5.8	5.0	4.7
Albany .....	54.4	53.4	54.0	3.7	3.0	3.0	6.8	5.6	5.5
Athens .....	77.9	73.5	76.2	3.7	2.9	2.8	4.7	3.9	3.7
Atlanta .....	1,534.6	1,490.3	1,488.0	81.8	72.7	66.9	5.3	4.9	4.5
Augusta .....	198.8	197.6	197.5	9.1	9.1	8.8	4.6	4.6	4.4
Columbus .....	101.1	99.9	100.3	7.8	5.5	5.3	7.7	5.5	5.3
Macon-Warner Robins .....	136.2	132.3	133.1	7.0	6.0	5.7	5.1	4.5	4.3
Savannah .....	118.8	117.3	117.0	5.9	5.6	5.1	4.9	4.7	4.4
<b>Hawaii</b> .....	541.8	556.0	560.0	15.1	15.4	16.1	2.8	2.8	2.9
Honolulu .....	392.6	397.5	401.9	10.2	9.4	10.0	2.6	2.4	2.5
<b>Idaho</b> .....	491.5	503.6	507.2	24.0	24.1	22.6	4.9	4.8	4.5
Boise City .....	114.0	115.3	116.8	4.2	4.2	4.0	3.6	3.6	3.5
<b>Illinois<sup>1</sup></b> .....	6,044.5	6,010.0	5,960.7	345.7	398.1	446.9	5.7	6.6	7.5
Aurora-Elgin .....	191.9	192.2	189.6	10.7	12.9	14.2	5.6	6.7	7.5
Bloomington-Normal .....	76.7	76.1	75.5	2.4	2.9	3.2	3.1	3.8	4.3
Champaign-Urbana-Rantoul .....	93.9	90.8	93.1	3.4	3.6	4.5	3.6	4.0	4.9
Chicago .....	3,303.1	3,278.5	3,253.2	188.8	216.8	242.0	5.7	6.6	7.4
Davenport-Rock Island-Moline .....	183.6	183.0	182.8	10.6	11.9	12.5	5.8	6.5	6.9
Decatur .....	60.7	60.5	60.5	4.0	5.0	5.8	6.6	8.2	9.6
Joliet .....	210.5	212.5	211.0	12.5	14.2	15.5	5.9	6.7	7.3
Kankakee .....	47.6	47.8	48.4	3.0	3.8	4.4	6.2	7.9	9.0
Lake County .....	311.4	313.2	308.8	11.2	12.9	14.6	3.6	4.1	4.7
Peoria .....	166.1	166.0	164.4	8.8	10.6	12.0	5.3	6.4	7.3
Rockford .....	156.5	156.1	155.9	8.4	12.0	13.0	5.4	7.7	8.3
Springfield .....	114.0	114.5	114.4	4.6	5.5	6.1	4.0	4.8	5.4
<b>Indiana</b> .....	2,827.3	2,808.8	2,794.9	145.6	160.8	172.5	5.1	5.7	6.2
Anderson .....	59.2	57.4	57.2	3.4	3.7	4.1	5.7	6.4	7.1
Bloomington .....	62.0	61.8	62.5	1.6	2.0	2.4	2.6	3.3	3.9
Elkhart-Goshen .....	94.7	92.6	91.8	6.9	5.5	5.7	7.2	6.0	6.2
Evansville .....	143.1	142.4	142.8	7.2	8.4	8.7	5.0	5.9	6.1
Fort Wayne .....	204.1	200.4	198.0	10.2	11.9	11.5	5.0	6.0	5.8
Gary-Hammond .....	263.1	260.2	257.2	14.4	18.2	18.6	5.5	7.0	7.2
Indianapolis .....	672.4	681.7	679.6	31.6	31.1	32.7	4.7	4.6	4.8
Kokomo .....	47.2	44.8	44.2	2.6	3.1	3.0	5.5	6.8	6.7
Lafayette-West Lafayette .....	69.3	67.7	67.5	1.6	2.2	2.4	2.3	3.2	3.5
Muncie .....	61.1	60.2	60.3	3.0	3.4	3.9	4.8	5.7	6.4
South Bend-Mishawaka .....	131.0	129.8	128.7	6.8	7.6	7.9	5.2	5.8	6.2
Terre Haute .....	61.3	61.4	61.6	2.6	3.2	3.8	4.3	5.2	6.1
<b>Iowa</b> .....	1,506.4	1,476.1	1,506.1	63.9	63.3	64.0	4.2	4.3	4.2
Cedar Rapids .....	97.6	94.2	96.2	5.5	4.4	4.6	5.7	4.6	4.8
Des Moines .....	236.7	231.9	237.3	7.9	9.5	9.2	3.3	4.1	3.9
Dubuque .....	44.9	44.6	45.5	1.9	2.1	2.2	4.3	4.7	4.8
Iowa City .....	62.1	59.7	62.0	1.1	1.0	1.0	1.8	1.6	1.6
Sioux City .....	60.9	60.4	61.9	2.1	2.6	2.7	3.5	4.3	4.4
Waterloo-Cedar Falls .....	74.2	73.1	75.4	3.2	4.0	3.8	4.4	5.5	4.8
<b>Kansas</b> .....	1,294.4	1,303.3	1,300.3	58.9	55.2	57.0	4.5	4.2	4.4
Lawrence .....	45.2	44.9	45.4	1.6	1.4	1.5	3.6	3.2	3.3
Topeka .....	91.4	91.3	90.9	5.2	4.7	4.6	5.7	5.1	5.0
Wichita .....	256.2	260.7	260.6	11.5	11.4	11.6	4.5	4.4	4.5
<b>Kentucky</b> .....	1,761.4	1,786.0	1,764.7	86.1	134.7	121.5	4.9	7.5	6.9
Lexington-Fayette .....	200.5	194.5	193.8	6.6	8.7	7.4	3.3	4.5	3.8
Louisville .....	516.3	522.7	523.0	20.8	35.6	38.6	4.0	6.8	7.4
Owensboro .....	44.5	44.2	43.8	1.9	3.1	2.9	4.2	7.0	6.7
<b>Louisiana</b> .....	1,886.6	1,940.1	1,951.3	107.1	131.5	134.9	5.7	6.8	6.9
Alexandria .....	57.8	59.0	59.8	3.3	4.0	4.2	5.7	6.7	7.1
Baton Rouge .....	271.0	280.6	281.4	13.3	16.4	16.6	4.9	5.9	5.9
Houma-Thibodaux .....	69.7	73.8	74.4	3.4	4.8	5.0	4.8	6.5	6.7
Lafayette .....	105.9	109.3	109.7	4.4	6.1	6.4	4.2	5.6	5.8
Lake Charles .....	77.5	83.0	82.9	4.7	7.0	7.1	6.0	8.4	8.6
Monroe .....	68.8	71.2	72.2	3.8	4.3	4.2	5.5	6.0	5.8
New Orleans .....	581.4	593.4	595.5	32.1	36.7	37.5	5.5	6.2	6.3
Shreveport .....	155.0	158.9	160.8	9.2	10.4	10.8	6.0	6.6	6.7
<b>Maine</b> .....	639.9	638.4	641.1	35.1	42.8	36.0	5.5	6.7	5.6
Lewiston-Auburn .....	44.1	42.2	43.1	3.6	4.2	3.4	8.2	10.0	8.0
Portland .....	133.8	131.3	132.1	5.3	6.9	5.7	4.0	5.3	4.3

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Maryland</b> .....	2,517.9	2,585.8	2,557.6	129.0	133.2	140.4	5.1	5.2	5.5
Baltimore .....	1,206.3	1,234.2	1,225.8	66.7	71.5	75.0	5.5	5.8	6.1
<b>Massachusetts</b> <sup>1</sup> .....	3,116.2	3,124.9	3,131.9	186.4	279.1	257.6	6.0	8.9	8.2
Boston .....	1,540.7	1,530.2	1,543.1	79.9	123.0	112.3	5.2	8.0	7.3
Brockton .....	99.0	99.1	99.4	7.4	11.0	10.2	7.5	11.1	10.2
Fall River .....	74.3	76.5	76.4	6.8	9.3	8.7	9.1	12.2	11.4
Fitchburg-Leominster .....	45.4	45.5	45.6	4.1	5.4	4.9	9.0	11.8	10.7
Lawrence-Haverhill .....	184.0	184.8	183.9	14.9	19.7	18.2	8.1	10.7	9.9
Lowell .....	145.5	147.0	146.8	10.1	15.3	14.1	6.9	10.4	9.6
New Bedford .....	85.4	86.0	86.4	7.7	9.9	9.4	9.0	11.5	10.9
Pittsfield .....	40.7	42.1	42.7	2.6	4.0	3.8	6.4	9.5	9.0
Springfield .....	255.0	258.3	259.8	14.8	24.0	22.4	5.8	9.3	8.6
Worcester .....	214.9	213.0	214.1	13.6	21.1	19.2	6.3	9.9	9.0
<b>Michigan</b> <sup>1</sup> .....	4,562.9	4,510.0	4,535.5	326.8	416.7	386.1	7.2	9.2	8.5
Ann Arbor .....	163.8	160.4	165.5	7.8	10.0	8.9	4.7	6.2	5.4
Battle Creek .....	64.2	62.9	63.0	4.3	5.1	5.0	6.8	8.2	7.9
Benton Harbor .....	78.4	77.4	78.3	5.4	7.3	6.9	6.9	9.4	8.8
Detroit .....	2,136.4	2,084.1	2,087.9	154.7	200.2	185.1	7.2	9.6	8.9
Flint .....	182.8	187.3	187.0	18.6	25.1	23.3	10.2	13.4	12.4
Grand Rapids .....	378.3	379.6	382.8	21.6	29.3	26.1	5.7	7.7	6.8
Jackson .....	65.2	64.7	64.8	4.9	6.7	6.1	7.6	10.3	9.4
Kalamazoo .....	121.2	118.4	119.9	6.1	7.6	7.0	5.0	6.4	5.8
Lansing-East Lansing .....	241.1	230.8	241.4	12.9	15.4	14.1	5.4	6.7	5.9
Muskegon .....	67.7	68.1	67.5	6.1	8.3	7.8	9.0	12.3	11.6
Saginaw-Bay City-Midland .....	187.3	186.9	187.4	12.8	15.1	14.2	6.8	8.1	7.6
<b>Minnesota</b> .....	2,466.9	2,409.9	2,441.1	108.0	125.7	114.2	4.4	5.2	4.7
Duluth .....	115.6	112.3	114.4	5.6	6.7	6.7	4.9	6.0	5.8
Minneapolis-St. Paul .....	1,440.2	1,389.6	1,418.1	61.2	72.4	65.7	4.3	5.2	4.6
Rochester .....	66.3	65.0	66.1	1.8	2.2	2.1	2.8	3.3	3.2
St. Cloud .....	103.3	104.0	107.5	4.9	6.0	5.6	4.7	5.7	5.2
<b>Mississippi</b> .....	1,174.2	1,174.8	1,167.5	77.8	94.6	83.4	6.6	8.1	7.1
Jackson .....	200.5	199.8	199.0	10.4	11.9	10.8	5.2	6.0	5.4
<b>Missouri</b> .....	2,631.9	2,674.9	2,667.9	152.6	163.6	171.6	5.8	6.1	6.4
Kansas City .....	848.7	863.6	860.1	42.4	46.1	48.9	5.0	5.3	5.7
St. Louis LMA .....	1,269.6	1,274.6	1,271.3	77.0	83.0	86.8	6.1	6.5	6.8
Springfield .....	131.3	131.9	132.8	6.4	6.5	6.7	4.9	4.9	5.0
<b>Montana</b> .....	395.7	396.5	393.4	24.9	23.1	24.5	6.3	5.8	6.2
<b>Nebraska</b> .....	843.3	855.0	856.4	16.7	21.1	19.3	2.0	2.5	2.2
Lincoln .....	131.6	130.1	130.4	2.1	2.9	2.4	1.6	2.2	1.8
Omaha .....	343.4	350.5	351.7	9.2	10.8	10.0	2.7	3.1	2.8
<b>Nevada</b> .....	638.4	652.1	655.9	32.8	34.9	34.0	5.1	5.4	5.2
Las Vegas .....	395.6	406.1	410.0	21.2	24.1	23.2	5.4	5.9	5.7
Reno .....	137.5	138.3	138.8	6.3	6.1	6.1	4.6	4.4	4.4
<b>New Hampshire</b> .....	632.4	625.1	624.6	35.8	43.2	41.3	5.7	6.9	6.6
Manchester .....	88.1	87.4	87.6	5.5	6.3	5.8	6.3	7.2	6.6
Nashua .....	100.2	98.9	98.7	6.7	8.1	7.4	6.7	8.2	7.5
Portsmouth-Dover-Rochester .....	141.9	139.2	139.2	5.9	6.7	6.5	4.1	4.8	4.7
<b>New Jersey</b> <sup>1</sup> .....	4,068.0	4,018.3	4,023.5	220.5	241.0	271.9	5.4	6.0	6.8
Atlantic City .....	187.9	191.3	184.8	14.0	12.9	16.0	7.4	6.8	8.7
Bergen-Passaic .....	707.6	689.4	692.1	34.3	39.7	43.5	4.8	5.8	6.3
Jersey City .....	278.1	267.2	268.9	21.5	21.7	24.3	7.7	8.1	9.0
Middlesex-Somerset-Hunterdon .....	595.8	591.1	593.3	24.2	27.1	30.9	4.1	4.6	5.2
Monmouth-Ocean .....	489.2	494.6	489.5	26.7	28.3	34.0	5.5	5.7	7.0
Newark .....	957.9	936.4	940.4	56.1	59.7	66.5	5.9	6.4	7.1
Trenton .....	176.7	171.8	174.3	8.1	8.7	9.6	4.6	5.1	5.5
Vineland-Millville-Bridgeton .....	62.8	62.6	62.7	5.1	5.7	6.3	8.0	9.1	10.0
<b>New Mexico</b> .....	697.7	711.6	718.8	39.8	44.1	42.0	5.7	6.2	5.8
Albuquerque .....	265.0	270.4	273.7	12.4	13.1	12.6	4.7	4.8	4.6
Las Cruces .....	61.1	60.5	61.3	3.5	3.8	3.6	5.7	6.3	5.9
Santa Fe .....	71.4	71.5	72.6	2.7	2.4	2.1	3.8	3.3	2.9

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED**

**D-1. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>New York<sup>1</sup></b>	8,623.1	8,557.3	8,540.6	462.2	581.9	591.1	5.4	6.8	6.9
Albany-Schenectady-Troy .....	435.4	432.7	433.2	14.1	24.3	22.9	3.2	5.6	5.3
Binghamton .....	120.7	118.1	118.6	4.4	6.7	6.5	3.6	5.7	5.4
Buffalo .....	454.9	458.7	458.9	19.7	29.1	28.0	4.3	6.3	6.1
Elmira .....	43.3	42.0	41.7	1.8	2.6	2.4	4.1	6.2	5.9
Glens Falls .....	51.9	51.6	51.0	2.7	3.6	3.7	5.3	7.0	7.2
Nassau-Suffolk .....	1,380.6	1,379.2	1,365.7	54.7	93.9	86.2	4.0	6.8	6.3
New York .....	4,025.8	3,951.1	3,956.5	280.5	291.6	313.7	7.0	7.4	7.9
New York City <sup>1</sup> .....	3,367.0	3,292.0	3,305.0	258.0	254.0	279.0	7.7	7.7	8.5
Orange County .....	132.7	134.0	133.1	6.0	9.0	8.5	4.5	6.7	6.4
Poughkeepsie .....	126.7	126.5	125.7	3.7	6.6	6.1	2.9	5.2	4.8
Rochester .....	504.2	506.2	506.3	16.2	24.3	23.7	3.2	4.8	4.7
Syracuse .....	323.0	324.3	321.9	11.7	20.6	19.4	3.6	6.3	6.0
Utica-Rome .....	135.0	135.6	133.9	5.7	8.6	8.3	4.3	6.3	6.2
<b>North Carolina<sup>1</sup></b>	3,380.1	3,529.6	3,490.4	148.0	187.2	179.1	4.4	5.3	5.1
Asheville .....	92.0	95.8	95.6	2.9	4.3	4.3	3.2	4.5	4.5
Charlotte-Gastonia-Rock Hill .....	644.1	675.7	671.0	24.6	33.9	33.2	3.8	5.0	5.0
Greensboro-Winston-Salem-High Point .....	517.7	534.9	529.2	20.3	25.2	23.9	3.9	4.7	4.5
Raleigh-Durham .....	416.5	434.5	431.9	11.0	16.1	15.1	2.6	3.7	3.5
<b>North Dakota</b>	325.0	317.6	317.9	11.6	11.0	10.7	3.6	3.5	3.4
Bismarck .....	47.0	47.3	47.2	1.7	1.5	1.7	3.6	3.3	3.7
Fargo-Moorhead .....	90.1	87.6	90.0	1.9	2.2	1.9	2.2	2.5	2.1
Grand Forks .....	36.3	35.7	35.5	1.1	1.1	.9	3.0	3.1	2.5
<b>Ohio<sup>1</sup></b>	5,492.7	5,434.7	5,434.5	306.0	308.7	282.0	5.6	5.7	5.2
Akron .....	337.9	336.9	336.4	17.1	17.9	16.0	5.1	5.3	4.7
Canton .....	195.0	193.4	192.5	11.6	12.3	10.7	6.0	6.4	5.6
Cincinnati .....	795.9	797.3	792.2	34.0	40.9	36.6	4.3	5.1	4.6
Cleveland .....	964.4	955.2	954.2	48.5	48.5	44.3	5.0	5.1	4.6
Columbus .....	750.9	746.9	751.8	33.7	32.9	29.6	4.5	4.4	3.9
Dayton-Springfield .....	482.1	476.8	478.3	27.4	25.3	25.3	5.7	5.3	5.3
Toledo .....	316.7	311.1	310.3	21.2	20.2	17.8	6.7	6.5	5.8
Youngstown-Warren .....	223.3	219.0	218.8	14.5	12.7	12.4	6.5	5.8	5.6
<b>Oklahoma</b>	1,535.9	1,509.8	1,522.8	79.6	93.2	89.4	5.2	6.2	5.9
Enid .....	27.1	26.8	27.1	1.1	1.3	1.2	4.0	4.7	4.4
Lawton .....	48.1	47.5	48.4	2.7	2.9	3.0	5.5	6.2	6.2
Oklahoma City .....	497.8	487.3	489.7	28.5	26.4	24.8	5.7	5.4	5.1
Tulsa .....	344.7	342.0	345.2	15.6	21.6	20.1	4.5	6.3	5.8
<b>Oregon</b>	1,513.6	1,526.2	1,504.3	78.4	82.7	86.4	5.2	5.4	5.7
Eugene-Springfield .....	152.1	148.0	148.6	8.8	8.7	9.5	5.8	5.9	6.4
Medford .....	74.0	74.7	74.2	4.2	5.1	4.9	5.6	6.8	6.6
Portland .....	694.0	707.1	697.2	30.7	33.8	33.5	4.4	4.8	4.8
Salem .....	142.0	146.1	142.8	6.4	6.9	7.2	4.5	4.7	5.0
<b>Pennsylvania<sup>1</sup></b>	5,896.7	5,915.1	5,993.1	346.2	373.3	382.5	5.9	6.3	6.4
Allentown-Bethlehem-Easton .....	336.4	339.5	344.6	20.1	21.4	21.7	6.0	6.3	6.3
Altoona .....	61.3	62.3	62.8	4.7	4.7	5.0	7.7	7.5	7.9
Beaver County .....	59.5	60.1	61.4	4.6	5.4	5.5	7.7	9.0	8.9
Erie .....	135.3	136.0	138.3	7.6	9.2	9.5	5.6	6.8	6.9
Harrisburg-Lebanon-Carlisle .....	330.4	335.3	335.8	15.8	16.1	16.4	4.8	4.8	4.9
Johnstown .....	98.5	98.4	100.0	7.5	7.9	8.7	7.6	8.1	8.7
Lancaster .....	227.0	226.9	228.4	10.8	11.2	10.7	4.8	4.9	4.7
Philadelphia .....	2,446.8	2,452.1	2,481.3	129.8	152.9	157.2	5.3	6.2	6.3
Pittsburgh .....	990.0	996.9	1,010.1	50.1	53.1	54.1	5.1	5.3	5.4
Reading .....	176.2	175.1	178.3	9.9	10.1	10.1	5.6	5.8	5.7
Scranton-Wilkes-Barre .....	364.4	364.5	370.9	26.6	28.4	29.5	7.3	7.8	8.0
Sharon .....	53.1	51.9	53.2	2.8	3.4	4.0	5.3	6.5	7.5
State College .....	69.2	69.3	71.0	3.9	3.9	3.9	5.7	5.6	5.6
Williamsport .....	60.7	59.5	60.5	5.1	4.1	4.0	8.4	6.8	6.6
York .....	223.4	225.7	229.3	12.2	12.5	14.0	5.5	5.5	6.1
<b>Rhode Island</b>	513.3	510.3	508.5	29.8	47.2	45.8	5.8	9.3	9.0
Pawtucket-Woonsocket-Attleboro .....	163.8	161.3	161.6	11.2	16.2	15.3	6.8	10.0	9.5
Providence .....	338.5	337.4	337.6	18.6	31.3	30.3	5.5	9.3	9.0
<b>South Carolina</b>	1,723.5	1,743.7	1,737.4	83.3	96.7	97.2	4.8	5.5	5.6
Charleston .....	239.6	249.5	247.7	8.9	11.3	11.8	3.7	4.5	4.8
Columbia .....	242.4	247.7	248.6	8.7	10.2	10.2	3.6	4.1	4.1
Greenville-Spartanburg .....	344.6	347.6	346.3	14.0	16.0	15.8	4.1	4.6	4.6
<b>South Dakota</b>	361.9	359.6	366.2	12.6	11.7	10.4	3.5	3.3	2.9
Rapid City .....	40.7	41.0	41.5	1.7	1.8	1.4	4.1	4.3	3.3
Sioux Falls .....	76.5	75.7	78.0	1.9	2.0	1.5	2.4	2.6	1.9

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED

D-1. Labor force status by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>	Oct. 1990	Sept. 1991	Oct. 1991 <sup>P</sup>
<b>Tennessee</b> .....	2,407.4	2,420.8	2,431.6	123.3	151.3	151.6	5.1	6.2	6.2
Chattanooga .....	211.2	214.5	215.2	10.0	12.1	11.7	4.7	5.7	5.4
Johnson City-Kingsport-Bristol .....	220.8	224.6	225.3	9.9	12.2	11.5	4.5	5.4	5.1
Knoxville .....	287.3	285.4	285.9	12.4	15.2	15.2	4.3	5.3	5.3
Memphis .....	478.0	479.4	480.0	22.4	27.3	27.1	4.7	5.7	5.6
Nashville .....	536.8	540.5	542.4	22.3	27.1	27.1	4.2	5.0	5.0
<b>Texas<sup>1</sup></b> .....	8,406.1	8,524.8	8,533.6	445.0	546.6	616.1	5.3	6.4	7.2
Abilene .....	50.4	50.8	50.3	2.6	3.4	3.2	5.2	6.6	6.4
Amarillo .....	95.6	95.9	94.9	4.0	4.6	5.0	4.2	4.8	5.3
Austin .....	437.8	442.4	443.0	17.5	20.9	23.4	4.0	4.7	5.3
Beaumont-Port Arthur .....	164.7	172.8	173.1	10.0	12.7	13.9	6.0	7.3	6.1
Brazoria .....	86.8	89.6	89.4	4.2	4.9	5.4	4.8	5.4	6.0
Brownsville-Harlingen .....	101.5	106.6	107.4	9.5	12.3	13.9	9.4	11.6	12.9
Bryan-College Station .....	63.0	60.8	64.0	1.9	2.2	2.4	3.0	3.6	3.8
Corpus Christi .....	164.6	168.4	168.4	10.9	13.0	14.7	6.6	7.7	8.7
Dallas .....	1,432.8	1,441.4	1,445.4	66.8	86.6	98.4	4.7	6.0	6.8
El Paso .....	248.6	253.5	254.5	24.0	25.7	28.6	9.7	10.1	11.2
Fort Worth-Arlington .....	731.1	737.2	734.7	32.4	47.6	53.0	4.4	6.5	7.2
Galveston-Texas City .....	108.4	110.9	110.9	6.7	7.2	8.2	6.2	6.5	7.4
Houston .....	1,725.7	1,761.1	1,756.0	79.9	100.9	113.5	4.6	5.7	6.5
Killeen-Temple .....	95.6	96.8	96.9	6.0	6.4	7.3	6.3	6.7	7.6
Laredo .....	52.0	51.8	52.8	4.4	4.2	5.1	8.4	8.1	9.7
Longview-Marshall .....	78.5	78.3	78.7	4.7	6.0	6.9	5.9	7.6	8.8
Lubbock .....	115.8	115.0	115.4	5.0	6.2	7.1	4.3	5.4	6.1
McAllen-Edinburg-Mission .....	155.9	156.1	161.6	22.8	25.0	30.0	14.6	16.0	18.6
Midland .....	47.2	48.1	48.1	2.1	2.6	3.2	4.5	5.5	6.6
Odessa .....	50.9	53.1	52.8	2.3	3.7	4.1	4.4	6.9	7.7
San Angelo .....	43.4	43.9	44.2	2.0	2.4	2.5	4.5	5.4	5.6
San Antonio .....	600.5	602.6	601.7	36.1	37.6	42.4	6.0	6.2	7.0
Sherman-Denison .....	47.0	47.0	46.7	2.2	2.9	3.3	4.6	6.2	7.1
Texarkana .....	57.4	56.2	56.2	4.2	4.2	4.5	7.3	7.5	8.0
Tyler .....	73.3	73.7	73.9	4.1	4.7	5.3	5.6	6.4	7.1
Victoria .....	35.6	36.7	37.0	1.5	1.7	2.1	4.3	4.8	5.7
Waco .....	92.4	93.2	93.7	4.6	5.7	6.3	5.0	6.1	6.8
Wichita Falls .....	54.6	54.8	54.8	2.8	3.5	4.0	5.1	6.4	7.3
<b>Utah</b> .....	801.9	815.5	807.8	30.1	40.2	36.0	3.8	4.9	4.5
Provo-Orem .....	123.0	124.6	125.0	4.0	5.6	5.3	3.2	4.5	4.2
Salt Lake City-Ogden .....	515.7	525.0	519.5	19.1	26.2	22.5	3.7	5.0	4.3
<b>Vermont</b> .....	307.8	305.8	311.1	14.4	15.4	13.9	4.7	5.0	4.5
Burlington .....	78.1	77.0	78.9	2.5	2.8	2.5	3.2	3.6	3.2
<b>Virginia</b> .....	3,233.2	3,329.6	3,338.4	139.5	172.6	172.5	4.3	5.2	5.2
Charlottesville .....	73.4	74.8	75.8	2.4	2.9	3.2	3.2	3.9	4.3
Danville .....	53.8	54.0	53.8	4.7	4.0	3.9	8.7	7.5	7.2
Lynchburg .....	76.0	76.3	76.0	3.7	4.3	4.1	4.8	5.6	5.4
Norfolk-Virginia Beach-Newport News .....	627.6	645.5	647.1	27.4	36.4	36.2	4.4	5.6	5.6
Richmond-Petersburg .....	465.9	481.7	483.1	17.5	24.8	24.1	3.8	5.1	5.0
Roanoke .....	127.9	130.0	130.9	5.4	6.0	5.9	4.2	4.7	4.5
<b>Washington</b> .....	2,470.2	2,481.3	2,498.3	108.4	134.9	140.6	4.4	5.4	5.6
Seattle .....	1,106.2	1,109.0	1,115.6	37.2	50.0	51.5	3.4	4.5	4.6
<b>West Virginia</b> .....	770.9	776.9	781.3	64.9	74.0	72.5	8.4	9.5	9.3
Charleston .....	119.4	119.5	119.7	7.9	8.7	8.5	6.6	7.3	7.1
Huntington-Ashland .....	132.1	133.7	133.3	9.2	13.0	11.9	7.0	9.7	9.0
Parkersburg-Marietta .....	72.9	73.4	72.9	4.8	5.0	4.7	6.6	6.8	6.5
Wheeling .....	70.9	71.2	71.4	3.5	4.6	4.4	4.9	6.4	6.2
<b>Wisconsin</b> .....	2,614.4	2,600.7	2,635.1	103.9	125.7	126.9	4.0	4.8	4.8
Appleton-Oshkosh-Neenah .....	176.7	176.0	181.6	7.2	7.9	11.3	4.1	4.5	6.2
Eau Claire .....	71.7	72.1	74.0	3.0	3.4	3.3	4.2	4.7	4.5
Green Bay .....	112.1	113.9	114.9	4.0	5.1	4.9	3.6	4.5	4.3
Janesville-Beloit .....	73.3	73.4	73.7	3.0	6.4	6.1	4.1	8.8	8.2
Kenosha .....	54.8	54.9	55.3	3.5	3.2	3.0	6.5	5.8	5.4
La Crosse .....	53.0	52.0	53.4	2.2	2.3	2.7	4.1	4.5	5.1
Madison .....	229.1	229.1	232.7	5.0	6.9	6.7	2.2	3.0	2.9
Milwaukee .....	757.8	752.5	756.6	28.1	35.6	31.9	3.7	4.7	4.2
Racine .....	89.9	89.3	89.1	4.3	5.0	5.0	4.8	5.6	5.7
Sheboygan .....	58.5	60.0	59.8	2.9	2.8	2.9	5.0	4.7	4.8
Wausau .....	63.8	65.1	66.2	2.4	3.2	3.2	3.8	4.9	4.9
<b>Wyoming</b> .....	244.2	244.8	240.4	11.6	12.1	13.6	4.8	5.0	5.6
Casper .....	31.5	31.4	31.2	1.6	1.9	2.1	5.1	6.2	6.7

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.

<sup>P</sup> = preliminary.

NOTE: Data refer to place of residence. Estimates for 1990 have been benchmarked to 1990 Current Population Survey annual averages. Except in the

11 States and 2 areas designated by footnote 1, estimates for 1991 are provisional and will be revised when new benchmark information becomes available. Area definitions are published annually in the May issue of this publication.

# Explanatory Notes

## 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 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, including 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 60,000 households, representing 729 areas in 1,973 counties and independent cities, 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 by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment 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 currently based on payroll reports from a sample of over 350,000 establishments employing over 41 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 day of the month.

## RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage, sources 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 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, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian 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 and are classified according to the job at which they worked the greatest number of hours during the survey week. 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 survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, 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 not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article, "Comparing Employment Estimates From Household and Payroll Surveys," *Monthly Labor Review*, December 1969.

## Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by



employers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. 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 median 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 household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

## COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week 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 Department of Labor, exclude 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). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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 Department of Agriculture.* The principal differences in coverage are the inclusion of persons under 16 in the Economics and 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 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 THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

*Statistics on manufactures 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.* Data in *County Business Patterns* (CBP), published by the Bureau of the Census, U.S. Department of Commerce, 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 government, and coverage is incomplete for some of the nonprofit activities.

*Employment covered by State unemployment insurance programs.* Most nonfarm wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics.

# Household Data (A tables)

## COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey*, BLS Bulletin 2307.

These monthly surveys of the population are conducted 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 of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this publication. Data on the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,600 of these households are visited 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 of between 4 and 5 percent. In addition to the 60,000 occupied units, there are 11,500 sample units in an average month which are visited but found to be vacant or otherwise not enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year earlier.

## CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those used since 1967 are as follows:

*Employed persons* are (a) all civilians who, during the survey week, did any work at all as paid employees, 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 illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey 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 the house (painting, repairing, or own home housework) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and had made specific efforts to find employment some time during the prior 4 weeks. Persons who were waiting to be recalled to a job from which they had been laid off or were waiting to report to a new job within 30 days need not be looking for work to be classified as unemployed.

*Duration of unemployment* represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Measurements of mean and median duration are computed from a distribution of single weeks of 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 four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

*Jobseekers* are all unemployed persons who made specific

efforts to find a job sometime during the 4-week period preceding the survey week. Jobseekers do not include those persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some other 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.

The *civilian labor force* comprises all civilians classified as employed or unemployed in accordance with the criteria described above. The *labor force* also includes members of the Armed Forces stationed in the United States.

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, race, Hispanic origin, marital status, etc.

*Participation rates* represent the proportion of the population that is in the labor force. The *labor force participation rate* is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

*Employment-population ratios* represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

*Not in the labor force* includes all persons who are not classified as employed or unemployed. These persons are further classified as engaged in own home housework, in school, unable to work because of long-term physical or mental illness, retired, and other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the

time of interview, and reasons for not looking for work are published on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, i.e., the "incoming" groups.

*Occupation, industry, and class of worker* for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies wage and salary workers subdivided into private and government workers; self-employed workers; and unpaid family workers. Wage and salary workers receive wages, salary, commission, 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, or trade, or operate a farm. 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.

*Hours of work* statistics relate to the actual number of hours worked during the survey 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 figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job.

Persons who worked 35 hours or more during the survey week are designated as working *full time*. Persons who worked between 1 and 34 hours are designated as working *part time*. Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or noneconomic reasons). Economic reasons include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

Data on employment "at work" differ from data on total employment because they exclude persons 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.

Employed persons are also categorized into full- and part-time groupings based primarily on their *usual status*. In this context, *full-time workers* are those who (a) worked 35 hours or more during the survey week, (b) worked 1 to 34 hours for economic or noneconomic reasons, but usually work full time, and (c) were with a job but not at work and usually work full time. Similarly, *part-time workers* are those who (a) voluntarily worked 1 to 34 hours during the survey week, (b) worked 1 to 34 hours for economic reasons, but usually work part time, i.e., persons who could only find part-time work, and (c) were with a job but not at work and usually work part time.

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full- and part-time labor force* which are based on the type of job—full or part time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of persons on full-time schedules; all persons involuntarily working part time regardless of their usual status; and unemployed persons seeking full-time jobs. The "part-time labor force" consists of persons working part time voluntarily and unemployed persons seeking part-time work. Employed persons with a job but not at work are distributed according to whether they usually work on full-time or voluntary part-time schedules.

*Labor force time lost* is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming that: (1) unemployed persons looking for full-time work lost an average of 37.5 hours, (2) those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

*White, black, and other* are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

*Hispanic origin* refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, 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* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian non-institutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

*Usual weekly earnings* data are provided from responses to the question "How much does...USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. 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 the incorporated self-employed) who usually work full time on their sole or primary job.

*Median earnings* 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* are 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 reported as members of 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, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

A *household* consists of all persons—related family members and all unrelated persons—who occupy a housing unit. 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* refers to 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 even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The

count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. 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. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

*Poverty areas* are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the 1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas, and conversely, the areas include many people who are not poor.

The *metropolitan areas* classification consists of the total of all Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1983. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

The *urban population*, as defined for the 1980 census, comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; (2) other territories, incorporated and unincorporated, included in urbanized areas. The population not classified as urban constitutes the rural population.

## HISTORICAL COMPARABILITY

### Change in lower age limit

The lower age limit for official statistics on the labor force, employment, and unemployment was raised from 14 to 16 years of age in January 1967. Insofar as possible, historical series have been revised to provide consistent information based on the population 16 years and over. For a detailed discussion of this and other definitional changes introduced at that time, including estimates of their effect on the various series, see "New Definitions for Employment and

Unemployment," *Employment and Earnings and Monthly Report on the Labor Force*, February 1967.

### Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) 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. (2) 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. (3) 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. (4) 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; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. 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.

In addition, beginning in January 1974, the methodology 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 *Employment and Earnings*.

Effective in July 1975, as a result of the immigration 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, and all of the changes were in the other 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 *Employment and Earnings*.

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 seven-eighths 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 estimation 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 *Employment and Earnings*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. 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 *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and 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 is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained 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 *Employment and Earnings*. 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 methodology 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 foreign-born 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 civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian 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 have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appears 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.

### **Changes in the occupational and industrial classification system**

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971–72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census, which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is 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 is based on the 1972 Standard Industrial Classification system (SIC), 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 *Employment and Earnings*.

### Changes in the sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced, in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia

and designed to provide more reliable annual average estimates for States, was incorporated into the design. In October 1978, a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information, providing an opportunity to improve the efficiency of the sample design and increase the reliability for State estimates. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.) A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. 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.

### 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. Beginning in 1985, almost all sample persons within the same State have the same probability of selection. These estimates are then adjusted for noninterviews, and the ratio estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was



**Table A. Characteristics of the CPS sample, 1947 to date**

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	1330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	2333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to Mar. 1988	729	57,000	2,500	11,000
Apr. 1988 to Mar. 1989	729	53,200	2,600	11,500
Nov. 1989 to present <sup>3</sup>	729	57,400	2,600	11,800

<sup>1</sup> Beginning in May 1956, these areas were chosen to provide coverage in each State and the District of Columbia.

<sup>2</sup> Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

<sup>3</sup> The sample was increased incrementally during the 8-month period, April-November 1989.

obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by "central city" and "balance of the MSA." Residence categories of non-MSA areas are "urban" and "rural." The proportion of sample households not interviewed varies from 4 to 5 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 residence. Since 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 estimates as follows:

a. *First-stage ratio estimate.* In the CPS, a portion of the 729 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment, which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for eight age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 38 and 24 age-sex groups respectively; the other races category has 4 age-sex cells. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race-origin categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1985 and August 1989. The nature and effect of the 1985 changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population using the two most recent July 1 estimates, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing the State total, see Report 957 of that series. A description of the age



estimates methodology is available in Report 1010 of that series.

Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure. These Hispanic controls are prepared by carrying forward the 1980 census count for Hispanics by adding estimated Hispanic births and immigrants and subtracting estimated Hispanic deaths and emigrants to yield an estimate of the Hispanic population by age and sex.

During the period from January 1982 to December 1984, the "inflation-deflation" method was temporarily discontinued in the preparation of the independent national controls used for the age-sex-race groups in the third step of the second-stage ratio estimation procedure. These controls were prepared by carrying forward the 1980 census data after taking account of subsequent aging of the population, births, deaths, and net migration and then subtracting the estimate for the institutional population and Armed Forces. Beginning in January 1985, the "inflation-deflation" method of deriving independent population controls was reintroduced into the CPS estimation procedure. With the "inflation-deflation" method, the independent controls are prepared by inflating the 1980 census counts to include estimated undercounts by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then deflated to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. Because an estimate of undercount is first added and then subtracted, the size of each race-sex group is unaffected by the "inflation-deflation" method. Similarly, the final estimate is affected only by the age structure of the undercount, but not the level. This feature of the method is important since the exact amount of undercount in the 1980 census remains unknown.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls.

For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the post-censal population estimates since 1980. The nature and effect of these changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

### **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 primarily indicate the magnitude of the sampling error. They also partially measure the effect of some nonsampling errors in response and enumeration but do not measure 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., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in 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 have been 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. Compared to the level of the decennial census, undercoverage is about 6 percent. 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 combined than for whites. Ratio estimation 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. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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.* The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated

standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from 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 average result of all possible samples.

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 average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations are required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors are computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the table may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of

**Table B. Standard errors for major employment status categories**

(in thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<b>Total, 16 years and over:</b>		
Civilian labor force .....	275	212
Employed .....	293	224
Unemployed .....	136	140
<b>Men, 20 years and over:</b>		
Civilian labor force .....	173	151
Employed .....	186	163
Unemployed .....	93	95
<b>Women, 20 years and over:</b>		
Civilian labor force .....	211	155
Employed .....	212	160
Unemployed .....	83	87
<b>Both sexes, 16 to 19 years:</b>		
Civilian labor force .....	88	94
Employed .....	92	102
Unemployed .....	59	66
<b>Black, 16 years and over:</b>		
Civilian labor force .....	94	73
Employed .....	104	79
Unemployed .....	68	71
<b>Men, 20 years and over:</b>		
Civilian labor force .....	59	51
Employed .....	64	57
Unemployed .....	44	47
<b>Women, 20 years and over:</b>		
Civilian labor force .....	76	50
Employed .....	76	54
Unemployed .....	45	48
<b>Both sexes, 16 to 19 years:</b>		
Civilian labor force .....	36	40
Employed .....	33	38
Unemployed .....	30	33

change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956–66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

*Standard errors for estimated totals.* Tables D and E provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

*Illustration.* Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 174,000. The 68-percent confidence interval as shown by these data is from 11,826,000 to 12,174,000. Therefore, a conclusion that the average estimate derived from all possible samples

**Table C. Standard errors for unemployment rates by major characteristics**

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive-month change		Monthly level	Consecutive-month change
<b>Total (all civilian workers)</b> .....	0.11	0.12			
Men, 20 years and over .....	.15	.15			
Women, 20 years and over .....	.16	.17			
Both sexes, 16 to 19 years .....	.67	.81			
White workers .....	.11	.12			
Black workers .....	.51	.54			
Married men, spouse present .....	.15	.17			
Married women, spouse present .....	.19	.21			
Full-time workers .....	.12	.12			
Part-time workers .....	.34	.42			
Unemployed 15 weeks and over .....	.06	.07			
<b>Occupation</b>			<b>Occupation—Continued</b>		
Executive, administrative, and managerial .....	.22	.24	Precision production, craft, and repair .....	0.32	0.36
Professional specialty .....	.19	.21	Machine operators, assemblers, and inspectors .....	.49	.55
Technicians and related support .....	.47	.52	Transportation and material moving .....	.59	.66
Sales .....	.29	.33	Handlers, equipment cleaners, helpers, and laborers .....	.72	.82
Administrative support, including clerical .....	.23	.26	Farming, forestry, and fishing .....	.68	.76
Private household .....	1.18	1.33			
Protective service .....	.76	.85	<b>Industry</b>		
Service, except private household and protective .....	.39	.43	Nonagricultural private wage and salary workers .....	.12	.13
			Mining .....	1.63	1.86
			Construction .....	.65	.75
			Manufacturing .....	.26	.29
			Durable goods .....	.33	.37
			Nondurable goods .....	.42	.47
			Transportation, communications, and public utilities .....	.42	.48
			Wholesale and retail trade .....	.27	.30
			Finance and services .....	.20	.22
			Government workers .....	.23	.25
			Agricultural wage and salary workers .....	1.16	1.32

lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 129,000.

*Standard errors for rates and percentages.* The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentage can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base.

The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

*Illustration.* Assume that in a given month 2.9 percent of a total of 112,440,000 employed persons are employed in agriculture. The standard error on an estimate of 2.9 percent with a base of 112,440,000 is obtained from table H (0.08 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 2.9 percent is then approximately  $0.08 \times 1.26 = 0.10$  percentage point.

*Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages.* The approximate standard errors of levels, rates, and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or

**Table D. Standard errors for estimates of monthly level**

(in thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	Agricultural employment	Unemployment		Labor force data other than agricultural employment and unemployment					
		Total or white	Black	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only
50	15	11	12	12	12	12	12	11	10
100	21	16	17	17	17	17	16	15	14
500	47	36	38	37	37	36	32	34	31
1,000	66	51	53	52	51	50	35	49	43
2,000	93	72	73	74	70	68	-	68	58
4,000	131	101	97	104	92	86	-	95	73
6,000	159	123	110	126	104	92	-	115	76
8,000	182	141	116	145	109	88	-	132	69
10,000	202	156	-	161	108	72	-	145	47
15,000	-	188	-	193	74	-	-	172	-
20,000	-	213	-	219	-	-	-	191	-
30,000	-	-	-	259	-	-	-	215	-
40,000	-	-	-	286	-	-	-	225	-
50,000	-	-	-	306	-	-	-	222	-
60,000	-	-	-	319	-	-	-	206	-
70,000	-	-	-	326	-	-	-	172	-
80,000	-	-	-	327	-	-	-	107	-
100,000	-	-	-	314	-	-	-	-	-
120,000	-	-	-	274	-	-	-	-	-
140,000	-	-	-	195	-	-	-	-	-

<sup>1</sup> When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error

of the estimated number of employed persons age 20 to 54 years, use the column for total employed.

**Table E. Standard errors for estimates of month-to-month change**

(in thousands)

Estimated monthly level	Characteristic <sup>1</sup>							
	Unemployment				Labor force data other than unemployment and agricultural employment			
	Total or white	Both sexes 16 to 19 years, or part-time labor force <sup>2</sup>	Black	Black, 16 to 19 years	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years
50	13	14	13	14	9	9	14	14
100	18	20	19	20	12	12	20	19
500	40	45	41	38	27	27	43	37
1,000	56	63	57	41	39	38	59	39
2,000	78	89	76	-	55	52	80	-
4,000	108	124	95	-	77	68	100	-
6,000	129	150	99	-	93	78	104	-
8,000	144	-	89	-	107	82	94	-
10,000	157	-	58	-	119	81	65	-
15,000	177	-	-	-	143	59	-	-
20,000	184	-	-	-	163	-	-	-
30,000	-	-	-	-	192	-	-	-
40,000	-	-	-	-	213	-	-	-
50,000	-	-	-	-	228	-	-	-
60,000	-	-	-	-	238	-	-	-
70,000	-	-	-	-	244	-	-	-
80,000	-	-	-	-	245	-	-	-
100,000	-	-	-	-	237	-	-	-
120,000	-	-	-	-	212	-	-	-
140,000	-	-	-	-	160	-	-	-

<sup>1</sup> See footnote 1, table D.

<sup>2</sup> Part-time labor force for unemployment also includes persons reentering

the labor force, persons who left their last job, and persons by duration of unemployment.

percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate, or percentage, find the standard error of this estimate. For an estimate of change in level, rate, or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

*Illustration.* Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.2 percent, based on a total of 119,865,000 in the civilian labor force, and that a year prior to this the unemployment rate was 7.0 percent, based on a total of 117,834,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.6 percent with a base of 118,850,000, is obtained from table F (0.11 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by 0.11 x 1.40 = 0.15 percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

Standard error of year-to-year change =

$$\sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are 0.30 for persons (total, white, and black) and 0.35 for families (total, white, and black). The respective values for estimates of Hispanics are 0.45 and 0.55.

*Illustration.* Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later, their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000 year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(0.30)(216,000)(221,000)}$$

or about 259,000.

**Table F. Standard errors for unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.28	3.20	4.98	6.85	8.13	9.09	9.82	10.36	10.75	11.12
100	1.61	2.26	3.52	4.84	5.75	6.43	6.94	7.33	7.60	7.87
500	.72	1.01	1.58	2.16	2.57	2.88	3.11	3.28	3.40	3.52
1,000	.51	.72	1.11	1.53	1.82	2.03	2.20	2.32	2.40	2.49
2,000	.36	.51	.79	1.08	1.29	1.44	1.55	1.64	1.70	1.76
4,000	.25	.36	.56	.77	.91	1.02	1.10	1.16	1.20	1.24
6,000	.21	.29	.45	.62	.74	.83	.90	.95	.98	1.02
10,000	.16	.23	.35	.48	.58	.64	.69	.73	.76	.79
20,000	.11	.16	.25	.34	.41	.45	.49	.52	.54	.56
60,000	.07	.09	.14	.20	.24	.26	.28	.30	.31	.32
100,000	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
120,000	.05	.07	.10	.14	.17	.19	.20	.21	.22	.23
140,000	.04	.06	.09	.13	.15	.17	.19	.20	.21	.21

**Table G. Standard errors for month-to-month change in unemployment rates**

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.53	3.57	5.60	7.83	9.47	10.79	11.91	12.87	13.71	15.67
100	1.79	2.52	3.96	5.53	6.69	7.63	8.42	9.10	9.69	11.08
500	.80	1.13	1.77	2.47	2.99	3.41	3.76	4.06	4.33	4.94
1,000	.57	.80	1.25	1.75	2.11	2.41	2.65	2.87	3.05	3.48
2,000	.40	.56	.88	1.23	1.49	1.70	1.87	2.02	2.15	2.44
4,000	.28	.40	.63	.87	1.05	1.20	1.32	1.42	1.51	1.70
6,000	.23	.33	.51	.71	.86	.97	1.07	1.15	1.22	1.37
10,000	.18	.25	.39	.55	.66	.75	.82	.88	.93	1.03
20,000	.13	.18	.28	.38	.46	.51	.56	.60	.62	-
60,000	.07	.10	.16	.21	.24	.27	.28	-	-	-
100,000	.06	.08	.12	.15	.17	.18	-	-	-	-
120,000	.05	.07	.11	.14	.15	-	-	-	-	-
140,000	.05	.07	.10	-	-	-	-	-	-	-

**Table H. Standard errors for estimated percentages and month-to-month change in percentages for labor force data**

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.34	3.29	5.12	7.05	8.39	9.40	10.18	10.77	11.21	11.75
100	1.65	2.33	3.62	4.99	5.94	6.65	7.20	7.62	7.93	8.31
500	.74	1.04	1.62	2.23	2.65	2.97	3.22	3.41	3.55	3.72
1,000	.52	.74	1.15	1.58	1.88	2.10	2.28	2.41	2.51	2.63
2,000	.37	.52	.81	1.12	1.33	1.49	1.61	1.70	1.77	1.86
4,000	.26	.37	.57	.79	.94	1.05	1.14	1.20	1.25	1.31
6,000	.21	.30	.47	.64	.77	.86	.93	.98	1.02	1.07
10,000	.17	.23	.36	.50	.59	.66	.72	.76	.79	.83
20,000	.12	.16	.26	.35	.42	.47	.51	.54	.56	.59
40,000	.08	.12	.18	.25	.30	.33	.36	.38	.40	.42
60,000	.07	.10	.15	.20	.24	.27	.29	.31	.32	.34
80,000	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
100,000	.05	.07	.11	.16	.19	.21	.23	.24	.25	.26
120,000	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
140,000	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22
160,000	.04	.06	.09	.12	.15	.17	.18	.19	.20	.21

NOTE: The standard errors in this table must be multiplied by the factors in table I to obtain the approximate standard error for a specific characteristic.

**Table I. Factors to be used with table H to compute approximate standard errors for percentages and month-to-month change in percentages**

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force .....	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force .....	1.01	1.21
Part-time labor force .....	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment and unemployment:			Total or white:		
Total .....	1.00	.74	Total .....	.97	1.08
Men only .....	.93	.84	Both sexes, 16 to 19 years .....	.97	1.21
Women only .....	.86	.75	Black:		
Both sexes, 16 to 19 years .....	1.00	1.18	Total .....	1.04	1.13
Part-time labor force .....	1.00	1.18	Both sexes, 16 to 19 years .....	1.04	1.24

**Table J. Factors to be used with tables D, F, H, and I to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages, and change in yearly averages**

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men .....	1.30	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years) .....	1.30	.83	.80	.58	.70
Part time .....	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment:					
Total or white .....	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years) .....	1.30	.82	.88	.57	.70
Part time .....	1.40	.74	.88	.46	.60
Unemployment:					
Total .....	1.40	.76	.88	.50	.65
Part time .....	1.40	.69	.88	.39	.54

**Table K. Standard errors for estimates of quarterly levels, to be used with CPS earnings data**

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men			Women		
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	64	127	88
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	102	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	233	201	174	-	242	-
50,000	296	301	-	-	160	100	-	249	-
75,000	331	304	-	-	160	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-



# Establishment Data (Tables B-1 through C-8)

## COLLECTION

Payroll reports provide current information on wage and salary employment, hours, and earnings in nonfarm establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, and Employment, Hours, and Earnings, States and Areas*, and their supplements.

### Federal-State cooperation

Under cooperative arrangements, responding establishments report employment, hours, and earnings data to State agencies. State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the reported data to prepare State and area series and also send the reported data to the BLS (Washington Office) for use in preparing the national series. This avoids a duplicate reporting burden on establishments, and, together with the use of similar estimating techniques at the national and State levels, promotes increased comparability between estimates.

### Shuttle schedules

Form BLS 790—Report on Employment, Payroll, and Hours is the name of the data collection schedule. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered on the space allotted for that month. This "shuttle" procedure assures maximum comparability and accuracy of reporting, since the respondent can see the figures that have been reported for previous months.

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonfarm establishments and, for most industries, employment, payroll, and hours of production and related workers or non-supervisory workers for the pay period which includes the 12th of the month.

## 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 (SIC) Manual*, Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

### 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 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-7).* 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 (three-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 three-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* include 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* include 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* include 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* covers 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 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. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

*Hours* cover 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* cover 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 figures for 1982. For basic industries, the hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

*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.

Since 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 (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, as defined above. 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,* or earnings in constant dollars, 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).

## ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation; (2) periodic adjustment of employment levels to new benchmarks; and (3) the use of size and regional stratification.

### The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current-month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and non-production workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, bias correction factors are applied to most employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the

sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

### Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production or non-supervisory worker data are used to weight the hours and earnings for aggregation into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods in table L, may be a whole industry or

a size stratum, a region stratum, or a size stratum of a region within an industry.

### Benchmark adjustments

Employment estimates are compared periodically with benchmarks (comprehensive counts of employment) for the various nonfarm industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1989 levels. Benchmark adjustments are made annually.

The primary sources of benchmark information are

**Table L. Summary of methods for computing industry statistics on employment, hours, and earnings**

Employment, hours, and earnings	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry level (division and, where stratified, industry)
Monthly data		
All employees . . . . .	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. <sup>1</sup>	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. <sup>2</sup>	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. <sup>2</sup>	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. <sup>2</sup>	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings . . . . .	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings . . . . .	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers . . . . .	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.

<sup>1</sup> The estimates are computed by multiplying the above product by bias adjustment factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias in the sample.

<sup>2</sup> The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings 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.

employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonfarm payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1990 benchmark adjustment is shown in table M.

Normally, data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

## THE SAMPLE

### Design

The sampling plan used in the establishment survey is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a larger percent of total employment is

**Table M. Comparison of nonfarm employment benchmarks and estimates for March 1990**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Level	Percent
Total .....	109,114	109,343	-229	-0.2
Mining .....	692	715	-23	-3.3
Construction .....	4,865	4,906	-41	-.8
Manufacturing .....	19,160	19,109	51	.3
Transportation and public utilities .....	5,735	5,750	-15	-.3
Wholesale trade .....	6,167	6,326	-159	-2.6
Retail trade .....	19,302	19,361	-59	-.3
Finance, insurance, and real estate .....	6,681	6,774	-93	-1.4
Services .....	27,944	27,866	78	.3
Government .....	18,568	18,536	32	.2

included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small 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 design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS establishment survey program, with its emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after the reference period, and, at a somewhat late date, statistics in considerably greater industrial detail.

### Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table N shows the latest benchmarks and the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

### Reliability

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may accumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new benchmarks. In addition to taking account of sampling and

**Table N. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1990**

Industry	Benchmarks (thousands)	Sample coverage <sup>1</sup>		
		Number of establishments	Employees	
			Number (thousands)	Percent of benchmarks
Total .....	109,114	289,390	40,714	37
Mining .....	692	3,314	279	40
Construction .....	4,865	26,593	963	20
Manufacturing .....	19,160	52,304	9,236	48
Transportation and public utilities .....	5,735	214,686	22,370	41
Wholesale trade .....	6,167	25,029	1,153	19
Retail trade .....	19,302	57,331	4,214	22
Finance, insurance, and real estate .....	6,681	21,395	2,110	32
Services .....	27,944	66,947	6,506	23
Government:				
Federal .....	3,082	( <sup>3</sup> )	3,082	100
State .....	4,386	5,175	3,498	80
Local .....	11,100	16,616	7,303	66

<sup>1</sup> Counts reflect reports used in final estimates. Since not all establishments report payroll and hours information, hours and earnings estimates are based on a smaller sample than employment estimates.

<sup>2</sup> The Interstate Commerce Commission provides a complete count of employment for Class I railroads. A small sample is used to estimate hours and earnings data.

<sup>3</sup> 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 6,000 reports covering about 58 percent of employment in Federal establishments.

**Table O. Average benchmark revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry**

(In percent)

Industry	Average benchmark revision in employment estimates <sup>1</sup>	Relative error <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total .....	0.2	-	-
Total private .....	.3	0.1	0.2
Mining .....	2.6	1.0	1.3
Construction .....	1.3	.2	.5
Manufacturing .....	.7	.1	.2
Durable goods .....	.6	.1	.3
Nondurable goods .....	.9	.1	.2
Transportation and public utilities .....	.6	.7	.6
Wholesale trade .....	1.5	.2	.4
Retail trade .....	.5	.2	.4
Finance, insurance, and real estate .....	.6	.2	.4
Services .....	.4	.4	.6
Government <sup>3</sup> .....	.3	-	-

<sup>1</sup> The average percent revision in employment for the 1986-90 benchmarks.

<sup>2</sup> Relative errors relate to 1982 data.

<sup>3</sup> Data for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes

in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors, which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table O and for individual industries with the specified number of employees in table P. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

$$RMSE = \sqrt{(standard\ deviation)^2 + (bias)^2}$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of

**Table P. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings**

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative error <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	2,100	2.2	4.0
100,000 .....	3,900	1.3	2.3
200,000 .....	5,600	1.1	2.0
500,000 .....	14,000	.9	1.6
1,000,000 .....	15,000	.8	1.2
2,000,000 .....	26,000	.5	.9

<sup>1</sup> Assuming 12-month intervals between benchmark revisions.

<sup>2</sup> Relative errors relate to 1982 data.

the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. 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.

## STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Defini-

tions 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. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

**Table Q. Errors of preliminary employment estimates**

Industry	Root-mean-square error of—		Industry	Root-mean-square error of—	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total .....	77,500	78,300	Nondurable goods—Continued		
Total private .....	60,600	58,900	Printing and publishing .....	2,000	1,900
Goods-producing industries .....	20,700	20,900	Chemicals and allied products ..	2,600	2,800
Mining .....	3,400	3,000	Petroleum and coal products ...	1,200	1,100
Oil and gas extraction .....	2,800	2,500	Rubber and misc. plastics		
Construction .....	12,800	13,600	products .....	1,600	1,600
General building contractors .....	5,300	5,500	Leather and leather products ...	1,300	1,200
Manufacturing .....	14,100	14,400	Service-producing industries .....	70,600	69,600
Durable goods .....	12,200	11,600	Transportation and public utilities .....	12,800	11,600
Lumber and wood products .....	2,100	1,900	Transportation .....	10,500	9,000
Furniture and fixtures .....	1,500	1,400	Communications and public utilities	5,000	4,500
Stone, clay, and glass products ..	1,400	1,400	Wholesale trade .....	7,200	6,200
Primary metal industries .....	3,800	3,300	Durable goods .....	5,000	4,200
Blast furnaces and basic			Nondurable goods .....	4,500	3,900
steel products .....	2,600	2,300	Retail trade .....	34,300	28,600
Fabricated metal products .....	2,200	2,100	General merchandise stores .....	20,700	18,500
Industrial machinery			Food stores .....	6,300	5,500
and equipment .....	3,900	3,300	Automotive dealers and		
Electronic and other			service stations .....	4,200	5,000
electrical equipment .....	4,100	3,800	Eating and drinking places .....	8,200	6,400
Transportation equipment .....	6,800	6,600	Finance, insurance, and real estate ..	7,500	6,400
Motor vehicles and equipment ..	5,700	6,100	Finance .....	4,300	3,900
Instruments and related products	2,000	2,100	Insurance .....	3,600	3,100
Miscellaneous manufacturing .....	1,700	1,600	Real estate .....	4,000	3,600
Nondurable goods .....	7,500	7,600	Services .....	31,300	32,800
Food and kindred products .....	5,100	4,600	Business services .....	12,100	11,800
Tobacco products .....	1,000	900	Health services .....	8,200	7,900
Textile mill products .....	1,900	1,700	Government .....	54,200	48,000
Apparel and other textile			Federal .....	17,500	14,000
products .....	3,300	3,300	State .....	20,700	17,200
Paper and allied products .....	1,700	1,500	Local .....	36,300	36,800

NOTE: Errors are based on differences from January 1985 through December 1990. Data used in the computations for several industries are not strictly comparable due to changes in the industrial classification system.

## Productivity Data (Tables C-9 through C-11)

### COLLECTION

Productivity data are compiled by the Bureau of Labor Statistics from establishment and household survey labor input data and from measures of compensation and output supplied by the U.S. Department of Commerce and the Federal Reserve Board.

### CONCEPTS

*Hours of wage and salary workers* in nonagricultural establishments (table C-9) refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers. For productivity and cost measures (tables C-10, 11), hours of all persons include hours of employees, proprietors, and unpaid family workers. Labor input is measured by hours at the work site.

*Output* is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of all persons (productivity) measure changes in the volume of goods and services produced per hour at work.

*Compensation per hour* includes wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

*Real compensation per hour* is compensation per hour adjusted by the Consumer Price Index for All Urban Consumers (CPI-U).

*Unit labor costs* measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour.

*Unit nonlabor payments* include profits, capital consump-

tion allowances, interest, rental income of persons, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross product originating in the sector and dividing by output. In these tables, *unit nonlabor costs* contain all the components of unit nonlabor payments except unit profits.

*Unit profits* include corporate profits and inventory valuation and capital consumption adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current-dollar estimate of gross product by the constant-dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

### NOTES ON THE DATA

For the business sector and the nonfarm business sector, these indexes relate to the gross domestic product less general government, households and institutions, owner-occupied housing, and the statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business. All measures are seasonally adjusted.

Manufacturing output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis.

Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202-523-9261).

## State and Area Labor Force Data (D table)

### FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which are derived 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 and Partnership Act, the Economic Dislocation and Worker Adjustment Assistance Act, and the Urban Development Action Grant program.

Annual average data for the States and areas shown in table

D 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 2,600 labor market areas. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. 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.* The civilian labor force and unemployment estimates for the 11 largest States—California, Florida, Illinois, Massachusetts, Michigan, New Jersey, New York, North Carolina, Ohio, Pennsylvania, and Texas—are sufficiently reliable to be taken directly from the Current Population Survey (CPS) on a monthly basis. These are termed "direct-use States." For a description of the CPS concepts, see "Household Data," above.

For the 39 smaller States and the District of Columbia, which do not use the CPS directly each month, regression models (sets of equations) are used to develop employment and unemployment estimates. These, then, are the "non-direct-use" States. 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 CPS, the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. When the estimation procedures were introduced in 1989, over 10 years of data were used to develop the equations for each State. While all the State models have important variables in common, they differ somewhat from one another so as to better reflect individual State characteristics.

Two models—one for employment and one for the unemployment rate—are used for each State. The unemployment rate, rather than the unemployment level, is modeled, primarily because the rate is usually more meaningful for economic analysis.

The employment models use the CES estimates of nonfarm wage and salary jobs and also include data for employed persons not covered or only partially covered by the CES survey. Typically, these are agricultural workers, the self-employed, unpaid family workers, and private household workers.

The unemployment rate models also include different types of data. Data for UI claimants (without earnings due to employment) are used to represent most of the experienced unemployed. The models also include an employment-to-population ratio which reflects both the business cycle and the experienced unemployed not covered by the UI claims data. New entrants and reentrants into the labor force are also reflected in the models. For some States, the models include variables which reflect seasonal factors not reflected in the other data used, such as the large increase in the labor force at the end of the school year.

In both the employment 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 models are termed "variable coefficient models" because they include 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, the unemployment level and labor force estimates are calculated.

*Benchmark correction procedures.* Once each year, monthly estimates for the 39 non-direct-use States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a procedure (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.

In the 11 direct-use States, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal the CPS annual averages.

### Estimates for sub-State areas

Monthly labor force and employment estimates for two large sub-State areas—New York City and the Los Angeles-Long Beach metropolitan area—are obtained directly from the CPS. Estimates for all other sub-State areas, more than 2,600 labor market areas (LMA's), are prepared through indirect estimation techniques, described below.

*Preliminary estimate—employment.* The total civilian employment estimates are based 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 for several categories of employment on the basis of employment relationships at the time of the 1980 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—agriculture, 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 three categories: (1) persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) 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 LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment must be applied to all sub-State LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment.

*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 claims counts, and updated historical

relationships. The corrected 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, since 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*.

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.

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 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.

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, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall 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.

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 rate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

Since the early 1980's, the BLS has also used the X-11 ARIMA procedure to seasonally adjust establishment-based employment, hours, and earnings data. The X-11 ARIMA program has been run once each year after benchmarking and seasonal adjustment factors have been projected and published for 12 months ahead (April–March). Beginning in June 1989, with the introduction of the March 1988 benchmarks, the Bureau introduced a modification to this procedure to parallel that used in seasonally adjusting household survey data. Projected seasonal adjustment factors are calculated and published twice a year. Revisions of historical data will continue to be made once a year, coincident with benchmark revisions.

All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series.

Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, 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, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, 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, seasonally adjusted, 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 failed or unsatisfactory seasonally adjusted series, however, are used in the aggregation to broader level seasonally adjusted series.

Seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census workers for the

decennial census, however, are removed prior to the calculation of seasonal adjustment factors.

BLS has developed 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. This extension was also used for the seasonal adjustment of many of the establishment-based series on average weekly hours and manufacturing overtime hours, starting with the computation of the projected factors for the period beginning in April 1990.

Revised seasonally adjusted establishment-based series based on the experience through March 1991, new seasonal adjustment factors for May-October 1991, and a description of the current seasonal adjustment procedure appear in the June 1991 issue of *Employment and Earnings*.

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