

# Employment and Earnings

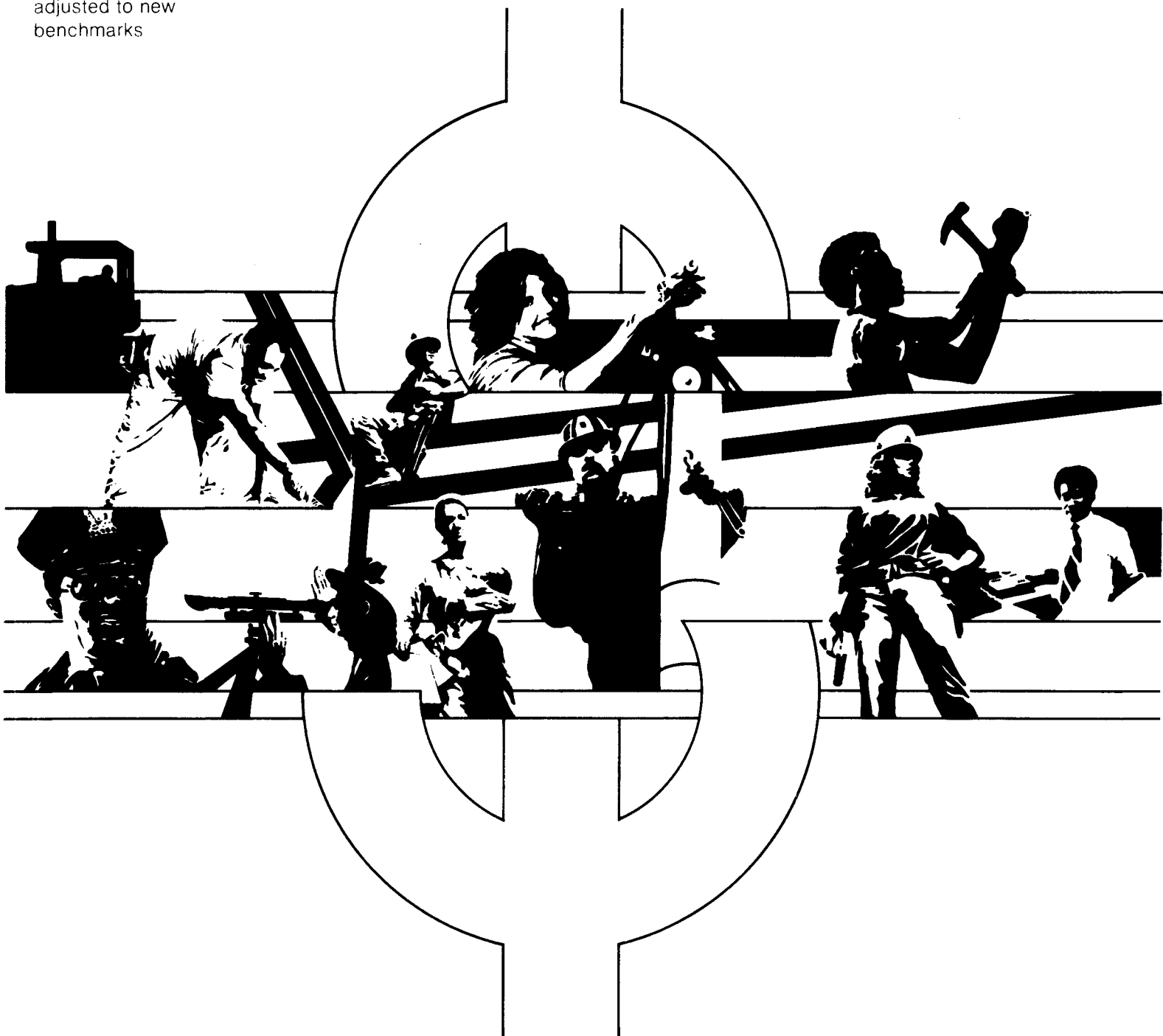
## June 1982



U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
Annual averages for  
unemployment in  
States and areas

Establishment data  
adjusted to new  
benchmarks





## U.S. DEPARTMENT OF LABOR Raymond J. Donovan, 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.
Revised seasonally adjusted series	Feb.
Quarterly averages: Seasonally adjusted data, persons not in labor force, persons of Hispanic origin, Vietnam-era veterans and nonveterans, poverty-nonpoverty area data, family relationship data, weekly earnings data	Jan., Apr., July, Oct.

### Establishment data

National annual averages:	
Industry divisions (preliminary)	Jan.
Industry detail (final)	Mar.
Women employment detail (final)	Mar.
National data adjusted to new benchmarks	June <sup>1</sup>
Revised historical national data adjusted to new benchmarks	Supplement <sup>2</sup>
Revised seasonally adjusted series	June <sup>3</sup>
State and area annual averages	May
Area definitions	May

### State and area unemployment data

Annual averages	June
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<sup>1</sup> The issue that introduces new benchmark varies. The June 1982 issue introduced March 1981 benchmarks.

<sup>2</sup> Month of publication of annual supplement varies. The latest supplement was published in June 1982.

<sup>3</sup> Issue varies. Latest revised data introduced June 1982.

# Employment and Earnings

Vol. 29 No. 6 June 1982

Editors: Gloria P. Green, Gloria P. Goings, Rosalie K. Epstein

## Editors' note

This issue presents revised establishment-based data (national series) which reflect employment benchmarks (comprehensive counts of employment) for March 1981. In addition, seasonally adjusted establishment data have been revised back 5 years, which is the usual practice, as a result of the recalculation of seasonal factors based on experience through March 1982.

The revised data appear in tables B-1 through B-7 and C-1 through C-9. For a discussion of the effects of the revisions, see the article on page 7. This article also gives the new seasonal factors to be used to adjust establishment data for April 1982 through March 1983. Revised historical data for detailed industry categories will be published in a June 1982 supplement to *Employment and Earnings*.

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# Employment and Unemployment Developments, May 1982

Unemployment was little changed in May, and employment indicators provided mixed signals. The Nation's unemployment rate was 9.5 percent, about the same as the 9.4 percent in April and up from 9.0 percent in March.

The series on nonfarm payroll employment—derived from the monthly survey of establishments—held steady in May at 90.0 million. (Establishment data have been revised to reflect the March 1981 benchmarks and updated seasonal factors.) In contrast, the series on total employment—as derived from the monthly survey of households—increased by 780,000, after seasonal adjustment, to 100.1 million. Between July 1981 and April 1982, both surveys had registered employment declines in the neighborhood of one and a half million.

## Unemployment

The number of unemployed persons rose in May to 10.5 million, seasonally adjusted. Since July 1981, the jobless total has risen by 2.7 million persons. The overall unemployment rate, 9.5 percent, was about unchanged from the previous month's 9.4 percent. The jobless rate for adult men increased by two-tenths of a point to 8.4 percent, while the rate for adult women was unchanged at 8.3 percent. Teenage unemployment was about unchanged at 23.1 percent. While the overall rates for white and black workers remained near their month-earlier levels, at 8.5 and 18.7 percent, respectively, the rate for persons of Hispanic origin was up 1.4 points to 13.9 percent. Unemployment rates for most other worker groups showed little or no change over the month. (See tables A-33, A-35, and A-36.)

The number of persons unemployed 15 weeks or longer was up by 270,000 in May, with increases split between those unemployed 15 to 26 weeks and 27 weeks and longer. Both the mean and median duration of unemployment rose, to 14.6 weeks and 9.0 weeks, respectively. Persons unemployed 15 weeks or more accounted for nearly a third of the jobless total, up substantially from the beginning of the year. (See table A-37.)

## Total employment and the labor force

Total employment rose by 780,000 in May to 100.1 million, and, as a result, the proportion of the popula-

tion with jobs—the employment-population ratio—rose four-tenths of a point. About one-third of the seasonally adjusted employment increase occurred among persons 16 to 24 years of age.

The civilian labor force rose sharply in May—by 1 million—to 110.7 million, after seasonal adjustment. Substantial gains were posted by teenagers (200,000) and by both adult men and women (430,000 and 380,000, respectively). The labor force typically shows some growth in May and even more in June, as students enter the summer job market and as activity picks up in certain seasonally-sensitive industries such as agriculture and construction. However, more of this seasonal labor force increase is now taking place in May. The seasonal adjustment process has not, as yet, captured this shift in seasonality and therefore may be exaggerating the size of the May increase in the labor force.

## Industry payroll employment

Total nonagricultural payroll employment rose in line with usual seasonal experiences in May and, after adjustment for seasonality, was about unchanged over the month at 90.0 million. This month's relative stability followed job declines of 465,000 between February and April. Nonfarm jobs were down by 1.4 million from last July's pre-recession peak. (See table B-4.)

In the goods-producing sector, cutbacks in mining accelerated in May, bringing that industry's total employment loss to 50,000 since last December. In contrast, construction employment was little changed after heavy losses over the past year. Among the durable goods manufacturing industries, an increase in the number of jobs in the transportation equipment industry partially offset continuing job curtailment in primary metals and machinery. Among nondurables, textile industry employment resumed its long-term decline following a small April pickup.

Employment in the service-producing sector was unchanged in May and has shown only limited growth since the onset of the recession. A gain of 40,000 jobs in retail trade was countered somewhat by a continued decline in transportation and public utilities employment.

### **Hours of work**

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.0 hours in May, up 0.1 hour over the month. The manufacturing workweek also edged up a tenth of an hour to 39.1 hours, while factory overtime was unchanged at 2.4 hours. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose 0.5 percent in May to 105.5 (1977=100). The manufacturing index edged up 0.1 percent to 89.3 but was 10.4 percent below last July's level. (See table C-7.)

### **Hourly and weekly earnings**

Average hourly earnings rose 0.7 percent and weekly earnings rose 0.9 percent in May, seasonally adjusted. Before adjustment for seasonality, average hourly earn-

ings were up 4 cents to \$7.61, 44 cents above the year-earlier level. Average weekly earnings, at \$265.59, increased \$3.67 over the month and \$13.21 over the year. (See tables C-1 and C-8.)

### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 147.4 (1977=100) in May, seasonally adjusted, 0.8 percent higher than in April. For the 12 months ended in May, the increase (before seasonal adjustment) was 7.1 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.7 percent during the 12-month period ended in April. (See table C-8.)



# BLS Establishment Estimates Revised to March 1981 Benchmarks

\*John B. Farrell

With the release of data for May 1982, the Bureau of Labor Statistics introduced revised estimates of employment, hours, and earnings from the monthly survey of establishments. This revision reflects March 1981 benchmarks—the most recent complete employment counts.

As is the usual practice with the introduction of benchmarked data, the Bureau also introduced new seasonal factors and revised the seasonally adjusted series.

## Benchmark adjustment procedure

Employment estimates, which are based on information provided by a sample of establishments, are revised annually. This revision incorporates the most up-to-date employment information derived from unemployment insurance (UI) reports filed by employers with their State employment security agencies. The revision affects employment series from April 1980 (the month following the previous benchmark) forward to the current month's estimate. Estimates of hours and earnings, which are weighted by employment estimates, are also subject to revision as a result of the changes in employment levels.

The benchmark procedure serves as a quality control process by providing both a more accurate measure of employment levels and a more accurate perspective on trends. Normally, new benchmarks are determined for March of each year for the most detailed industrial classification levels at which estimates are made. The difference between the benchmark employment level for March and the corresponding survey estimate for March (projected from the benchmark for the previous March) is assumed to have accumulated at a constant rate over the previous 12 months. Most series, therefore, are adjusted by applying a ratio to the estimates to "wedge out" the difference over the 12-month period from the new benchmark to the preceding one. The benchmark level (in this case for March 1981) is then projected forward to the current month based on the trend shown in monthly reports submitted by the sample of employers. The estimates adjusted to the new levels are then ag-

gregated through successively larger groupings to total nonagricultural employment.

## Effect of the current benchmark adjustment

The March 1981 benchmark for total nonagricultural employment—90.4 million—was 349,000 below the corresponding sample-based estimate, a difference of 0.4 percent (table 1). In 1980, the difference was 0.1 percent. The 1981 sample-based estimate was affected by bias adjustment factors which overstated the number of business births during the year. An explanation of bias adjustment factors appears in the next section. Table 2 indicates the magnitude of the differences arising from the current and previous benchmark revisions, by year and industry division.

BLS monthly estimates of employment, hours, and earnings are published in considerable industry detail. Based upon the Standard Industrial Classification (SIC) system, estimates are prepared at the industry level (four-digit SIC) for manufacturing and at the industry group level (three-digit SIC) for most nonmanufacturing industries. Within the three-digit industry groups (manufacturing and nonmanufacturing) for which employment estimates are published, 25 of the 255 groups were revised by 5 percent or more. The largest industries in terms of employment tended to have the smallest percentage revisions (table 3).

The March 1981 estimates and benchmark levels for the major industry groups (two-digit SIC) in manufacturing appear in table 4. Fourteen of the 20 major groups in manufacturing were revised downward. Twelve were revised by more than 1 percent. Only one, transportation equipment, was revised by more than 3 percent. Revisions were somewhat larger for the basic three- and four-digit manufacturing industries. Over one-half of these differed by less than 3 percent, but almost one-fourth differed by 5 percent or more.

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**Table 1. Differences between nonagricultural employment estimates and benchmarks by industry division, March 1981**

(Numbers in thousands)

Industry division	Estimate	Benchmark	Difference	
			Amount	Percent
Total .....	90,720	90,371	-349	-0.4
Total private .....	74,227	73,903	-324	-.4
Mining .....	1,084	1,107	23	2.1
Construction .....	4,048	3,934	-114	-2.9
Manufacturing .....	20,160	20,085	-75	-.4
Transportation and public utilities .....	5,095	5,102	7	.1
Trade .....	20,290	20,096	-194	-1.0
Wholesale .....	5,293	5,308	15	.3
Retail .....	14,997	14,788	-209	-1.4
Finance, insurance, and real estate .....	5,263	5,239	-24	-.5
Services .....	18,287	18,340	53	.3
Government .....	16,493	16,468	-25	-.2
Federal .....	2,769	2,769	0	0
State and local .....	13,724	13,699	-25	-.2

**Why estimates differ from benchmarks**

There are four basic sources of differences between benchmarks and estimates: (1) Errors in trend caused by nonrepresentative samples; (2) errors in adjustment for the entry of new firms; (3) improvements in the quality of the benchmark data; and (4) changes in industry classification of individual establishments. The last reason affects individual industry estimates, but not the total.

**Table 2. Percent differences between nonagricultural employment estimates and benchmarks by industry division, selected years, 1973-81**

Industry division	March						
	1973 <sup>1</sup>	1974	1977 <sup>2</sup>	1978	1979	1980	1981
Total .....	1.6	0.1	0.1	0.7	0.5	-0.1	-0.4
Mining .....	3.5	3.0	2.7	1.9	.2	-.6	2.1
Construction .....	9.6	-.6	.6	1.6	-3.2	-1.5	-2.9
Manufacturing .....	1.1	.1	-.4	.6	.4	-.3	-.4
Transportation and public utilities .....	.7	( <sup>3</sup> )	-1.8	.9	-.3	-.3	.1
Trade .....	2.2	-.1	-.5	.4	.6	-.8	-1.0
Finance, insurance and real estate .....	.5	1.1	1.0	1.0	.1	.1	-.5
Services .....	.9	.7	.6	1.2	.5	.9	.3
Government .....	.5	-.5	.8	( <sup>4</sup> )	1.9	.5	-.2

<sup>1</sup> 1973 was a 2-year revision.

<sup>2</sup> Differences for the industry divisions are between estimates based on the 1987 SIC and benchmark based on the 1972 SIC

<sup>3</sup> Less than 0.05 percent.

<sup>4</sup> Estimates of State and local government were not revised.

A primary reason for differences between estimates and benchmarks lies in the limitation of any sample in representing a universe; that is, a certain amount of error is to be expected from sample-derived estimates. A complete monthly count of employment would reflect all changes in the level from month to month, but complete coverage involving 4-5 million employer reports each month would be prohibitively expensive and time consuming. Therefore, monthly employment estimates are derived from a sample of approximately 177,000 establishments. This sample provides estimates at a moderate cost within a month following the survey week. Over 11,000 establishments were added to the sample since the 1980 benchmark. Even so, the 1981

**Table 3. Distribution of published 3-digit SIC industries by size of industry and percent difference between employment estimates and benchmarks, March 1981**

Percent difference	Total number of industries	Size of industry (number of employees)			
		Under 50,000	50,000 to 99,999	100,000 to 199,999	200,000 and over
Total .....	255	39	38	63	115
0-0.9 .....	74	9	6	22	37
1.0-2.9 .....	103	10	18	19	56
3.0-4.9 .....	53	13	9	16	15
5.0 and over ...	25	7	5	6	7

**Table 4. Differences between manufacturing employment estimates and benchmarks, March 1981**

(Numbers in thousands)

Industry group	Estimate	Benchmark	Difference	
			Amount	Percent
Manufacturing .....	20,160	20,085	-75	-0.4
Durable goods .....	12,120	12,105	-15	-.1
Lumber and wood products .....	678.3	666.7	-11.6	-1.7
Furniture and fixtures .....	472.1	462.7	-9.4	-2.0
Stone, clay, and glass products .....	639.5	627.8	-11.7	-1.9
Primary metal industries .....	1,141.3	1,134.1	-7.2	-.6
Fabricated metal products .....	1,585.4	1,596.3	10.9	.7
Machinery, except electrical .....	2,504.3	2,495.6	-8.7	-.3
Electric and electronic equipment .....	2,119.5	2,079.4	-40.1	-1.9
Transportation equipment .....	1,860.4	1,919.1	58.7	3.1
Instruments and related products .....	712.1	721.1	9.0	1.2
Miscellaneous manufacturing .....	406.7	402.2	-4.5	-1.1
Nondurable goods .....	8,040	7,980	-60	-.8
Food and kindred products .....	1,632.5	1,623.4	-9.1	-.6
Tobacco manufactures .....	68.3	67.2	-1.1	-1.6
Textile mill products .....	840.9	824.9	-16.0	-1.9
Apparel and other textile products .....	1,250.2	1,242.6	-7.6	-.6
Paper and allied products .....	688.6	684.8	-3.8	-.6
Printing and publishing .....	1,278.2	1,258.3	-19.9	-1.6
Chemicals and allied products .....	1,106.8	1,106.9	.1	( <sup>1</sup> )
Petroleum and coal products .....	207.0	211.3	4.3	2.0
Rubber and miscellaneous plastics products .....	737.2	729.0	-8.2	-1.1
Leather and leather products .....	230.4	231.3	.9	.4

<sup>1</sup> Less than 0.05 percent.

sample covers only 40 percent of the universe. (In 1980 the sample covered 39 percent of the universe. This is the first time since 1968 that the sample has shown an increase in percent of employment covered.) Annual benchmark revisions, which are an integral part of the survey program, remove the effect of errors associated with sample coverage from the all-employee estimates.

A second source of differences lies in the limitation of the sample in adjusting for the entry of new firms. Establishment-based surveys are slow to capture business births. To compensate for this weakness in the survey method, the Bureau calculates bias adjustment factors. Application of bias adjustment factors to employment estimates has the effect of raising the estimates to include business births. These factors are based on the benchmark differences of the previous 3 years; therefore, they do not "predict" turns in the economy. As the economic cycle changes from upturn to downturn, these bias adjustment factors will tend to overstate the number of business births. On the other hand, the sample does reflect business deaths—businesses that discontinue operations.

Bias adjustment factors, which vary by industry, are recalculated each year as part of the benchmarking process. Current year bias adjustment factors for all industries except construction are based on trends between 1978 and 1981. Using the new factors, the March 1981 to March 1982 decrease in total nonagricultural employment was 692,000. This compares with a decrease of 528,000 using the old factors.

A third cause of differences arises from improvements in the quality of the benchmark source data. Improvements in the source data are capable of introducing substantial changes in the levels of certain sectors. For example, with the introduction of the March 1979 benchmark, estimates for State and local government employment were benchmarked for the first time using data derived from UI records. This was made possible through the expansion of UI coverage to most employees of State and local governments in January 1978. The use of the new source of data resulted in a large revision in the employment estimates for this division.

A fourth source of differences between estimates and

benchmarks is the procedure used to keep the classification of establishments up to date. An establishment may engage in more than one activity. If its output of products or services changes so that what was once a secondary product or activity becomes a primary one, the establishment is reclassified to the industry of its new major activity. These changes, introduced into the employment estimates at the time of the benchmark adjustment, are based on product and activity reports provided by State employment security agencies. Differences between estimates and benchmarks for a particular industry occur when the current estimates do not reflect intervening classification changes for individual establishments.<sup>1</sup> At the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments.

### **Benchmark source material**

State unemployment insurance (UI) records are the primary source of benchmark data. With the expansion in coverage in January 1978, UI programs now cover approximately 98 percent of employees in the total nonagricultural sector and 97 percent of those in the private nonagricultural sector.

For the few remaining industries exempt from mandatory UI coverage, BLS uses other sources. Data on employees covered under Social Security laws, published by the Bureau of the Census in *County Business Patterns*, are used to augment UI data for nonoffice insurance sales workers. Data for interstate railroads are obtained from the Interstate Commerce Commission; benchmarks for private elementary and secondary schools are derived from data obtained from the U.S. Office of Education and the National Catholic Welfare Association. Employment figures for religious organizations are obtained from data provided by the National Council of Churches and surveys of churches conducted by several State agencies.

Employment counts for the Federal Government are derived from official summaries prepared by the Office of Personnel Management (OPM). These summaries are complete counts of Federal workers and are not subject to benchmark revisions.<sup>2</sup> The official OPM summaries do not provide detail on Federal employment by industry, such as hospitals, on a current monthly basis. These are projected by BLS from a sample of Federal establishments.

The Bureau's reporting sample is also an important source of benchmark information. Since sample reports are current and are reviewed monthly, reporting errors that are detected and corrected in the sample reports can also be corrected in the corresponding benchmark reports. The industry classification of each sample establishment is reviewed on the basis of information supplied by the employer. Changes in industry

classification on sample reports often precede such changes in other sources of information. Insofar as sample reports are known to differ from the corresponding employer's reports included in other benchmark source material, the data from the other sources are modified accordingly.

### **Relation of employment benchmarks to other series**

Complete counts for the series on women, production or nonsupervisory workers, hours, and earnings are not available. Women and production worker series are revised by applying estimated ratios of women and production workers to the revised all-employee figures. For primary estimating cells (region or size strata within the most detailed industry classifications), average weekly hours and average hourly earnings are estimated directly from reported figures and are not revised. However, broader industry groupings of hours and earnings series require a weighting mechanism to yield meaningful averages. The production worker employment estimates for the primary cells are used as weights for the hours and earnings estimates of the broader industry groupings. Adjustments of the all-employee estimates to new benchmarks may alter the weights, which in turn, may change the estimates for hours and earnings.

For employment estimates—women and production or nonsupervisory workers—the revisions at the estimating cell level are added to become the summary level revisions. To influence the hours and earnings estimates of a broader group, employment changes have to be relatively large and must affect industries which have substantially higher or lower averages than the other industries in their group. Generally, new benchmarks have little impact on hours and earnings estimates for major groupings. The changes in the hours and earnings estimates for broad industry categories are shown in table 5.

### **Revision of seasonally adjusted data**

Each year, seasonally adjusted employment and earnings data are updated and released simultaneously with the revised benchmarked data. This update incorporates the most recent year of data into the computation of seasonal adjustment factors. In July 1980, the Bureau introduced an improved seasonal adjustment methodology—the X-11 ARIMA (Auto-regressive Integrated Moving Average) program. This is the second year in which the ARIMA model (used for projecting the

<sup>1</sup> The changes are wedged or tapered into the estimates over the year in which the change in primary activity took place.

<sup>2</sup> Employees of the Central Intelligence Agency, the National Security Agency, and employees of the Department of Defense paid from nonappropriated funds are not included in the OPM summaries or these series.

**Table 5. Hours and earnings estimates based on previous (March 1980) benchmarks and revised (March 1981) benchmarks, by selected industry group**

Industry division and group	Average weekly hours			Average hourly earnings		
	Previous estimate	Revised estimate	Difference	Previous estimate	Revised estimate	Difference
Total private .....	35.2	35.2	0	\$ 7.10	\$ 7.10	0
Mining .....	42.3	42.4	0.1	9.85	9.84	-.01
Construction .....	37.2	37.3	.1	10.44	10.48	.04
Manufacturing .....	39.9	39.9	0	7.80	7.81	.01
Durable goods .....	40.5	40.5	0	8.32	8.33	.01
Lumber and wood products .....	39.0	39.0	0	6.79	6.77	-.02
Furniture and fixtures .....	38.8	38.8	0	5.76	5.77	.01
Stone, clay, and glass products .....	40.6	40.6	0	7.94	7.94	0
Primary metal industries .....	41.1	41.1	0	10.52	10.52	0
Fabricated metal products .....	40.6	40.6	0	8.01	8.01	0
Machinery, except electrical .....	41.2	41.2	0	8.62	8.61	-.01
Electric and electronic equipment .....	40.2	40.2	0	7.47	7.44	-.03
Transportation equipment .....	41.1	41.1	0	10.08	10.15	.07
Instruments and related products .....	40.6	40.6	0	7.23	7.22	-.01
Miscellaneous manufacturing .....	38.9	38.9	0	5.85	5.84	-.01
Nondurable goods .....	39.1	39.1	0	7.01	7.00	-.01
Food and kindred products .....	39.2	39.1	-.1	7.29	7.27	-.02
Tobacco manufactures .....	37.2	37.3	.1	8.61	8.64	.03
Textile mill products .....	40.1	40.0	-.1	5.36	5.35	-.01
Apparel and other textile products .....	35.8	35.8	0	4.94	4.92	-.02
Paper and allied products .....	42.4	42.4	0	8.30	8.30	0
Printing and publishing .....	37.1	37.1	0	8.02	8.00	-.02
Chemicals and allied products .....	41.6	41.6	0	8.84	8.85	.01
Petroleum and coal products .....	42.6	42.6	0	11.23	11.24	.01
Rubber and miscellaneous plastics products .....	40.7	40.6	-.1	7.07	6.99	-.08
Leather and leather products .....	36.8	36.8	0	4.90	4.91	.01
Transportation and public utilities .....	39.4	39.4	0	9.42	9.40	-.02
Trade .....	31.9	31.9	0	5.85	5.85	0
Finance, insurance, and real estate .....	36.4	36.4	0	6.19	6.20	.01
Services .....	32.6	32.6	0	6.29	6.29	0

unadjusted data for one year) has been used prior to seasonally adjusting the establishment-based series.

ARIMA projections are not used in a small number of series<sup>3</sup> where the projections do not meet test requirements. This year, further research has provided improved ARIMA models for several series that failed the original ARIMA tests. This has reduced to four the number of series for which no ARIMA projections are identified.

Some series require special attention before they can be seasonally adjusted. Since major strikes tend to distort normal seasonal patterns, their effects are eliminated from employment series in the industries where strikes have occurred. The Federal Government series have been adjusted to remove the effect of the

temporary hiring of postal workers during the Christmas season, and of census takers during the 1980 census.

This year, special seasonal adjustment procedures have been dropped for two series. Since the Easter holiday no longer has a significant effect on retail trade employment, the special factors used in the past to account for the shifting date of Easter are no longer necessary. The scheduling of model changeover in the automobile industry is no longer confined to the summer months; therefore, the special adjustment procedure for the transportation equipment industry has also been dropped.

<sup>3</sup> The series are identified in tables 8 through 13.

The updating of seasonal adjustment by the addition of another year of data, plus the accumulated effect of reducing the bias adjustment factors, results in the shifting of the 1981 pre-recession employment peak from September to July. The lower level of employment introduced by the March 1981 benchmark reduces the 1981 employment peak substantially (from 92.0 million in September to 91.4 million in July). This in turn reduces the 1980 trough-to-peak growth from 2.1 to 1.7 million. (See also table 6).

In the hours series, the severe drop for January 1982 caused the seasonal adjustment process to include a greater share of the decline as a seasonal component. Thus, we get a small distortion in the hours series for the previous January that was not present before. Subsequent seasonal adjustments may again smooth the series.

#### Publication of revised historical data

Revised historical data for detailed industry categories of employment, hours, and earnings will be presented in a supplement to *Employment and Earnings* to be issued this month. Revised seasonally adjusted data will be shown for January 1977 through February 1982; revised unadjusted data will be shown from April 1980 through February 1982<sup>4</sup>. Data for earlier time periods can be found in *Employment and Earnings, United States, 1909-78* (BLS Bulletin 1312-11), issued in 1979.<sup>5</sup>

The labor turnover and spendable earnings series will not be published in the supplement. Those series were discontinued with December 1981 data and 1981 annual averages. For more details, see the March 1982 issue of *Employment and Earnings*.

Monthly employment estimates are published for most of the significant industries in the nonagricultural sector. Those industries for which monthly data are not published either are too small or are not represented by a sufficient sample. However, the March benchmark figures for a number of such industries are published in table 7.

Seasonal adjustment factors are recalculated annually, and updated factors are published in conjunction with the benchmark revisions. The seasonal factors that

**Table 6. Seasonally adjusted over-the-month changes in total nonagricultural employment**

(In thousands)

Month	As previously published	As revised
1981: January .....	142	184
February .....	167	4
March .....	89	101
April .....	111	85
May .....	106	32
June .....	51	155
July .....	265	119
August .....	21	-74
September .....	132	41
October .....	-201	-139
November .....	-301	-228
December .....	-409	-354
1982: January .....	-234	-182
February .....	140	-1
March .....	-259	-148

will be used for the period April 1982 through March 1983 for all establishment-based series are shown in tables 8 through 14.

Seasonally adjusted data are not published for a small number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These series, which are identified in tables 8 through 13, are used in aggregating to broader seasonally adjusted levels.

<sup>4</sup> As a convenience to users, seasonally adjusted data for 1974 through 1976, and unadjusted data for January 1977 through March 1980 will also be displayed. The June 1982 supplement will thus supplant all data in the August 1981 supplement, except as noted in footnote 5.

<sup>5</sup> Historical data for the indexes of aggregate weekly hours, aggregate weekly payrolls, and for unadjusted constant-dollar earnings can be found in the August 1981 supplement. Historical data for seasonally adjusted constant-dollar earnings can be found in the March 1982 issue of *Employment and Earnings*.

**Table 7. Employment benchmarks for industries not published monthly**

(in thousands)									
Industry	1972 SIC Code	March 1974 <sup>1</sup>	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981
Total.....	-	77,362	75,686	78,092	80,493	84,607	88,654	90,253	90,371
Total private.....	-	63,089	60,789	62,967	65,294	68,729	72,552	73,720	73,903
Goods-producing.....	-	24,570	21,951	22,728	23,488	24,554	25,993	25,799	25,126
Mining.....	10-14	665	730	761	805	699	928	990	1,107
Lead and zinc ores.....	103	7.4	8.1	8.0	7.8	7.3	6.2	6.9	7.2
Other metal ores.....	104-6,8,9	18.9	21.7	23.9	27.3	31.4	35.4	38.5	39.6
Anthracite mining.....	11	3.7	3.6	3.6	3.3	3.1	3.1	3.3	3.5
Crude petroleum and natural gas.....	131	135.6	146.4	154.1	159.3	173.5	185.3	205.7	242.7
Natural gas liquids.....	132	3.8	4.1	4.0	4.2	4.2	4.7	5.5	6.8
Nonmetallic minerals, exc. fuels, nec.....	141,5,8,9	18.6	18.5	18.1	18.1	19.0	18.9	20.3	20.3
Construction.....	15-17	3,878	3,235	3,276	3,430	3,733	4,093	4,087	3,934
Concrete work.....	177	111.8	72.3	80.1	87.3	96.4	105.3	100.2	98.2
Water well drilling.....	178	16.0	15.4	16.2	19.0	19.7	19.5	18.7	19.1
Misc. special trade contractors.....	179	315.3	277.8	275.2	287.4	307.3	342.4	351.1	359.4
Manufacturing.....	20-39	20,027	18,000	18,691	19,253	20,122	20,972	20,722	20,085
Durable goods.....	24,25,32-39	11,876	10,634	10,861	11,322	11,992	12,745	12,609	12,105
Special product sawmills, nec.....	2429	7.3	6.0	6.3	6.8	7.0	6.6	6.0	4.8
Structural wood members, nec.....	2439	11.3	8.3	9.7	12.1	15.1	17.0	15.9	15.0
Nailed and lock corner wood boxes and shooks.....	2441	12.8	9.7	10.2	10.0	9.0	8.9	8.0	6.9
Wood pallets and skids.....	2448	22.1	16.8	18.9	20.7	22.6	27.8	26.6	24.6
Wood containers, nec.....	2449	13.8	10.9	11.1	10.7	10.9	10.8	10.3	10.3
Prefabricated wood buildings and components.....	2452	22.7	17.6	19.6	21.3	25.1	25.0	20.4	18.9
Wood preserving.....	2491	13.3	12.9	11.8	12.5	13.0	13.5	13.8	13.2
Particleboard and wood products, nec.....	2492,9	70.2	55.8	62.7	64.6	69.1	71.2	70.5	68.1
Wood TV, radio, phonograph, and household furniture.....	2517,9	19.1	14.2	14.0	14.8	16.8	15.9	14.0	13.8
Wood office furniture.....	2521	13.5	11.3	11.7	14.0	16.2	17.1	18.8	21.7
Metal office furniture.....	2522	32.5	27.3	25.1	26.7	29.7	32.2	32.1	31.2
Wood partitions and fixtures.....	2541	31.5	25.9	28.0	29.8	32.1	33.3	33.3	31.4
Metal partitions and fixtures.....	2542	27.2	24.1	24.1	26.5	28.2	30.1	31.5	27.8
Drapery hardware & blinds & shades.....	2591	15.3	12.1	13.1	14.2	16.0	16.5	16.2	16.5
Furniture and fixtures, nec.....	2599	10.3	9.9	9.3	10.2	11.1	11.8	11.2	12.3
Brick and structural clay tile.....	3251	25.6	18.0	20.0	20.1	21.6	22.0	20.1	16.4
Clay refractories.....	3255	13.8	13.4	11.7	13.0	12.9	14.1	14.1	11.3
Other structural clay products.....	3253,9	18.8	14.8	14.4	14.3	14.8	15.8	14.5	12.9
Vitreous plumbing fixtures.....	3261	11.5	8.6	9.8	10.2	11.3	11.2	12.7	9.9
Vitreous china and earthenware food utensils.....	3262,3	9.8	9.7	9.8	8.9	9.5	9.4	10.5	9.7
Porcelain electrical supplies.....	3264	12.6	11.3	10.2	10.7	10.8	10.7	13.0	11.4
Pottery products, nec.....	3269	13.5	13.3	14.8	14.9	14.6	15.3	13.0	12.3
Lime and gypsum products.....	3274,5	22.1	19.8	19.8	19.7	21.0	21.7	21.6	19.6
Cut stone and stone products.....	328	13.4	12.3	11.9	12.1	11.9	12.1	11.7	11.0
Gaskets, packing and sealing devices Minerals, ground or treated.....	3293	30.0	22.7	24.6	25.9	27.9	29.3	27.9	27.4
Nonclay refractories and non- metallic mineral products, nec.....	3295	15.0	14.6	13.9	14.8	14.7	16.3	16.2	15.6
Electrometallurgical products.....	3297,9	17.6	15.8	16.3	15.4	17.5	18.3	18.3	17.7
Steel wire and related products.....	3313	15.9	15.7	13.5	14.8	14.1	14.7	14.6	13.1
Cold finishing of steel shapes.....	3315	22.8	20.3	20.7	20.8	23.1	25.9	22.7	22.5
Steel investment foundries.....	3316	19.4	17.0	16.5	17.8	19.8	20.5	19.0	17.2
Primary copper.....	3324	9.7	8.3	8.5	9.7	11.9	11.6	12.3	14.0
Primary lead and zinc.....	3331	17.2	17.4	15.3	15.7	15.7	15.5	15.6	14.1
Primary nonferrous metals, nec.....	3332,3	9.5	9.8	9.4	9.2	9.4	9.6	8.1	7.9
Secondary nonferrous metals.....	3339	10.2	10.5	10.8	10.0	10.1	10.3	11.8	11.7
Aluminum extruded products.....	334	20.4	18.9	19.3	20.6	21.6	24.4	25.4	24.0
Aluminum and nonferrous rolling and drawing, nec.....	3354	32.4	24.2	25.5	30.3	33.9	33.3	33.6	31.5
Brass, bronze, and copper foundries.....	3355,6	25.6	22.3	21.5	22.9	23.6	24.8	26.0	23.8
Nonferrous foundries, nec.....	3362	20.7	18.6	17.9	18.7	19.2	20.4	20.6	18.1
Misc. primary metal products.....	3369	19.1	15.1	18.2	20.3	20.3	22.0	21.1	19.4
Metal heat treating.....	339	20.6	18.6	18.8	20.9	23.0	25.1	26.8	25.6
Primary metal products, nec.....	3398	10.8	10.5	10.4	11.3	12.9	13.7	14.2	13.7
Metal barrels, drums, and pails.....	3399	9.8	8.1	8.4	9.6	10.1	11.4	12.6	13.7
Cutlery.....	3412	13.2	11.8	12.5	13.1	13.3	13.9	13.2	13.3
Metal sanitary ware.....	3421	15.2	14.7	14.9	15.3	16.0	15.9	16.3	15.7
Prefabricated metal buildings.....	3431	12.8	8.8	9.9	10.5	11.2	11.5	10.8	10.9
Miscellaneous.....	3448	24.4	17.7	19.8	20.1	25.4	27.6	28.8	28.3

See footnote at end of table.

**Table 7. Employment benchmarks for industries not published monthly—Continued**

(In thousands)

Industry	1972 SIC Code	March 1974 <sup>1</sup>	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981
Misc. metal work.....	3449	12.2	10.4	8.9	8.6	10.3	10.7	10.2	9.1
Nonferrous forgings and crowns and closures.....	3463,6	10.3	10.3	10.0	11.3	10.9	11.2	13.0	12.8
Steel springs, except wire.....	3493	8.2	7.0	8.2	8.5	8.4	9.0	7.6	6.1
Wire springs.....	3495	16.4	12.8	13.4	15.0	16.1	16.6	15.4	14.9
Fabricated pipe and fittings.....	3498	23.4	24.1	24.7	24.4	26.0	27.1	27.2	27.9
Metal foil and leaf, and fabricated pipe fittings.....	3497,9	49.1	40.8	44.3	46.9	49.0	49.6	49.7	44.5
Lawn and garden equipment.....	3524	19.7	18.8	18.0	18.8	20.7	23.9	25.7	22.7
Elevators and moving stairways.....	3534	16.3	14.1	11.7	11.4	11.9	12.8	13.4	12.9
Hoists, cranes, and monorails.....	3536	19.6	19.7	19.3	20.0	16.9	19.7	23.3	16.7
Rolling mill machinery.....	3547	13.5	14.3	12.8	10.4	10.2	11.5	11.4	9.2
Metalworking machinery, nec.....	3549	13.7	12.9	11.5	12.4	13.1	14.4	14.9	13.7
Woodworking machinery.....	3553	13.4	11.2	10.7	11.2	12.4	13.3	14.3	12.0
Paper industries machinery.....	3554	18.4	19.0	17.9	18.2	18.0	19.3	18.9	20.0
Special industry machinery, nec.....	3559	58.2	56.2	52.5	54.1	57.0	60.8	63.8	59.6
Industrial patterns.....	3565	10.7	9.6	9.4	10.0	10.4	10.7	10.4	10.0
Industrial furnaces and ovens.....	3567	20.5	18.4	17.5	18.0	19.5	19.9	21.6	20.5
General industrial machinery, nec....	3569	45.2	43.8	42.9	41.9	44.2	48.2	48.3	49.6
Office machines, scales and balances, exc. laboratory.....	3576,9	35.0	31.8	30.7	35.1	35.2	41.3	42.3	36.6
Automatic merchandising machines....	3581	12.8	7.1	7.8	7.7	9.8	10.5	10.4	10.9
Commercial laundry equipment.....	3582	6.2	5.4	5.6	5.8	6.0	5.9	5.6	5.3
Measuring and dispensing pumps and service ind. mach., nec.....	3586,9	38.7	37.3	37.0	37.1	38.1	42.2	41.6	38.4
Welding apparatus, electric.....	3623	17.0	17.2	15.6	16.7	18.3	19.6	18.9	18.1
Carbon and graphite products.....	3624	14.4	13.4	12.6	13.4	13.1	13.9	14.1	14.0
Electrical industrial apparatus, nec	3629	14.1	11.2	10.7	11.8	13.8	14.3	13.9	12.2
Household cooking equipment.....	3631	20.9	16.4	21.9	24.3	25.6	25.0	27.6	24.0
Other household appliances.....	3635,6,9	39.3	29.6	33.5	33.0	37.3	37.0	34.6	32.3
Commercial lighting fixtures.....	3646	18.3	14.2	13.4	14.6	15.3	17.3	17.1	17.2
Vehicular & lighting equipment, nec.	3647,8	21.5	19.3	23.0	22.7	25.3	27.9	25.3	23.7
Phonograph records.....	3652	24.0	20.5	24.2	24.0	27.1	27.9	24.2	24.6
Electronic capacitors.....	3675	25.0	15.7	18.6	20.3	23.6	25.6	28.4	25.8
Electronic resistors and connectors...	3676,8	17.1	13.6	12.9	15.9	19.0	21.7	21.7	19.2
Electronic coils and transformers...	3677	20.7	15.1	17.2	20.2	22.4	25.6	27.7	24.7
Primary batteries, dry and wet.....	3692	13.7	11.1	12.8	14.7	16.2	16.0	15.5	16.5
X-ray apparatus and tubes.....	3693	15.0	17.0	17.9	18.3	22.7	25.6	25.2	26.5
Other misc. electrical equipment....	3699	13.8	10.7	11.2	14.9	16.2	14.9	14.4	13.7
Self-contained motor homes.....	3716	-	-	-	5.8	5.6	5.2	5.6	4.9
Motorcycles, bicycles, and parts.....	375	20.5	13.9	17.1	17.3	19.1	18.6	21.8	17.4
Space propulsion units and other space vehicle equipment.....	3764,9	14.1	13.8	14.6	18.0	18.4	20.0	22.1	26.1
Other transportation equipment.....	3795,9	15.7	16.2	17.4	19.1	20.9	22.5	22.5	21.5
Fluid meters and counting devices...	3824	15.2	13.5	13.3	14.3	14.6	17.5	18.1	18.5
Measuring and controlling devices, nec.....	3829	18.5	17.7	17.5	19.1	21.2	22.2	22.4	25.4
Dental equipment and supplies.....	3843	14.5	14.9	15.4	16.9	16.9	17.7	17.4	17.1
Silverware and plated ware.....	3914	12.7	11.2	11.6	11.6	11.7	11.8	11.3	11.5
Jewelers' materials and lapidary work.....	3915	8.1	8.0	9.3	9.0	9.6	9.2	8.0	7.6
Pens and mechanical pencils.....	3951	12.3	9.9	11.3	11.2	12.2	12.3	12.1	11.6
Lead pencils and art goods.....	3952	9.1	8.3	9.0	8.9	9.6	9.5	9.5	9.4
Marking devices, carbon paper and inked ribbons.....	3953,5	14.2	12.9	13.8	14.2	14.8	16.4	16.9	15.5
Artificial flowers and buttons.....	3962,3	10.4	8.9	9.9	8.9	8.9	8.6	8.4	8.3
Needles, pins, and fasteners.....	3964	20.2	16.4	17.5	19.6	19.4	19.0	19.0	14.5
Brooms and brushes.....	3991	17.4	15.2	17.3	18.1	17.8	17.2	18.0	15.2
Burial caskets.....	3995	14.5	13.6	12.8	12.5	12.7	12.2	12.0	11.3
Manufacturing industries, nec.....	3996,9	62.6	55.4	58.1	59.9	63.0	64.7	61.8	56.3
<b>Nondurable goods.....</b>	<b>20-23,26-31</b>	<b>8,151</b>	<b>7,366</b>	<b>7,830</b>	<b>7,931</b>	<b>8,130</b>	<b>8,227</b>	<b>8,113</b>	<b>7,980</b>
Poultry and egg processing.....	2017	14.9	12.8	14.5	13.6	12.9	15.2	15.2	14.7
Creamery butter and condensed and evaporated milk.....	2021,3	17.6	17.7	16.4	15.4	14.9	15.7	17.9	18.0
Ice cream and frozen desserts.....	2024	19.6	19.4	18.8	19.4	18.2	19.4	19.1	18.8
Dehydrated fruits, soups, and vegetables.....	2034	15.4	14.4	16.3	16.8	16.6	17.9	16.7	15.7
Pickles, sauces, and salad dressings	2035	23.1	21.0	23.8	23.0	24.3	23.3	24.1	23.3
Frozen specialties.....	2038	27.1	23.6	27.1	29.3	31.9	34.2	34.7	34.2
Cereal breakfast foods.....	2043	15.8	16.1	16.1	16.8	16.4	16.0	16.6	16.3
Wet corn milling.....	2046	14.2	13.5	12.3	13.3	13.0	12.9	12.7	13.5
Dog, cat, and other pet food.....	2047	16.1	16.9	17.7	16.6	17.8	17.5	16.7	17.0
Rice milling and blended and prepared flour.....	2044,5	11.7	11.9	11.6	12.3	12.6	13.7	13.8	12.3

See footnote at end of table.



**Table 7. Employment benchmarks for industries not published monthly—Continued**

(In thousands)									
Industry	1972 SIC Code	March 1974 <sup>1</sup>	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981
Cane sugar, except refining only....	2061	-	-	-	-	-	-	-	8.5
Cane sugar, refining.....	2062	-	-	-	-	-	-	-	10.2
Beet sugar.....	2063	-	-	-	-	-	-	-	10.2
Chocolate and cocoa products and chewing gum.....	2066,7	19.4	16.9	19.4	20.0	18.9	19.8	19.5	19.4
Oil mills.....	2074,5,6	17.7	17.3	17.5	16.2	18.5	19.4	20.3	19.4
Animal and marine fats and oils.....	2077	11.6	11.4	10.8	12.5	11.1	11.0	10.8	10.3
Shortening and cooking oils.....	2079	12.3	12.7	13.5	12.9	13.3	14.3	13.4	12.5
Malt and other flavoring extracts and syrups.....	2083,7	13.4	13.3	13.2	13.2	14.2	14.2	14.4	14.9
Wines, brandy, and brandy spirits...	2084	11.5	12.6	11.5	11.1	12.9	12.4	12.6	14.0
Distilled liquor, exc. brandy.....	2085	19.8	19.0	19.3	18.5	18.5	18.5	18.4	17.0
Canned and cured seafoods.....	2091	18.0	16.4	16.7	17.7	18.5	17.6	15.9	16.5
Fresh or frozen packaged fish.....	2092	27.5	24.5	26.8	28.6	30.8	33.2	33.5	32.9
Roasted coffee.....	2095	15.3	14.1	14.2	13.8	13.7	13.3	13.0	12.9
Misc. food preparation.....	2097-9	88.1	83.6	87.4	92.1	96.8	96.5	97.3	98.7
Cigars.....	212	14.5	12.4	10.4	9.4	9.1	8.3	7.5	7.1
Other tobacco manufactures.....	213,4	13.3	14.1	12.7	13.7	14.3	14.2	12.1	12.7
Knit fabric and knitting mills, nec.	2258,9	30.0	25.9	26.7	24.7	25.1	26.3	24.5	21.4
Finishing plants, nec.....	2269	20.3	15.6	18.4	17.3	16.4	16.4	17.1	14.5
Wool yarn mills.....	2283	14.7	10.2	10.9	11.7	10.9	9.9	10.2	8.6
Thread mills.....	2284	11.9	8.3	10.9	11.0	10.9	10.1	11.6	10.2
Coated fabrics, not rubberized.....	2295	13.0	10.8	12.8	12.7	12.0	11.7	12.4	11.6
Tire cord and fabric.....	2296	12.8	10.9	11.8	12.0	11.0	11.5	10.8	9.5
Cordage and twine.....	2298	11.8	9.9	10.0	10.7	10.5	10.5	9.7	9.1
Other textile goods.....	2291-4,7,9	37.9	31.7	35.9	34.6	36.6	36.6	36.7	35.4
Men's and boys' underwear.....	2322	19.0	13.9	15.7	15.9	16.5	17.3	16.1	14.8
Men's and boys' neckwear.....	2323	9.2	6.5	7.5	6.7	7.2	6.8	6.7	6.7
Men's and boys' clothing, nec.....	2329	57.4	49.2	55.6	57.7	60.7	58.5	62.1	57.6
Hats, caps, and millinery.....	2351,2	15.1	15.2	15.7	15.4	15.6	16.4	18.3	18.6
Children's coats and suits.....	2363	8.8	7.5	8.8	8.1	8.2	7.5	7.0	6.3
Children's outerwear, nec.....	2369	34.3	30.6	34.6	34.0	33.9	31.8	31.0	30.4
Fur goods.....	237	3.5	3.6	4.0	4.0	4.2	4.3	3.8	3.9
Fabric dress and work gloves.....	2381	16.6	12.5	12.3	13.9	14.5	15.2	13.2	11.4
Robes and dressing gowns.....	2384	12.4	9.2	11.1	11.3	11.7	11.1	10.6	9.9
Waterproof outer garments.....	2385	16.1	14.0	14.5	13.6	13.1	12.6	12.3	12.2
Apparel and accessories, nec.....	2386,7,9	20.4	19.9	22.5	21.6	21.8	20.4	19.9	23.7
Textile bags.....	2393	8.7	7.4	8.1	8.5	9.3	9.4	9.8	8.7
Canvas and related products.....	2394	15.1	13.0	13.3	13.4	13.9	14.8	15.0	15.2
Pleating and stitching.....	2395	16.4	13.5	15.2	15.0	17.2	16.1	16.2	17.4
Other fabricated textile products...	2397,9	30.7	24.4	30.0	29.9	29.7	33.2	30.8	28.8
Pulp mills.....	261	14.3	14.1	15.6	16.8	17.3	15.8	16.5	16.9
Building paper and board mills.....	266	13.9	11.2	11.8	12.1	13.5	12.8	12.4	11.0
Die-cut paper and board.....	2645	18.5	16.0	16.9	17.2	17.4	17.6	17.5	16.5
Sanitary paper products.....	2647	16.3	15.3	19.3	22.3	25.5	25.5	26.6	26.4
Other converted paper products.....	2646,8,9	45.2	38.6	41.2	42.6	44.9	44.1	45.6	44.9
Set-up paperboard boxes.....	2652	15.8	12.1	13.6	13.3	13.0	12.6	11.9	11.9
Fiber cans, drums, and similar products.....	2655	21.6	18.0	19.0	18.5	19.0	19.4	18.9	18.0
Engraving and plate printing.....	2753	12.7	11.1	11.6	11.6	11.2	11.5	11.2	11.3
Commercial printing, gravure.....	2754	8.4	7.8	7.8	10.0	12.0	10.9	11.3	11.8
Greeting card publishing.....	277	22.5	21.9	20.0	21.0	22.0	23.0	24.0	23.8
Blankbooks and looseleaf binders...	2782	34.1	31.8	32.0	33.5	35.9	38.3	38.5	39.0
Bookbinding and related work.....	2789	24.9	23.1	23.0	22.8	24.0	23.9	24.0	23.8
Typesetting.....	2791	23.9	23.4	22.9	23.8	24.8	26.7	27.5	28.1
Other publishing and printing.....	2793-5	16.7	15.6	15.1	15.0	15.4	16.4	16.9	16.8
Alkalies and chlorine.....	2812	22.8	23.2	21.8	21.9	23.6	21.3	23.0	20.8
Industrial gases.....	2813	16.9	17.1	17.6	21.3	21.0	21.7	21.0	22.0
Inorganic pigments.....	2816	13.6	12.7	12.6	12.8	12.6	12.5	11.6	11.2
Synthetic rubber.....	2822	16.7	14.5	13.4	13.9	14.1	14.2	13.9	15.3
Cellulosic man-made fibers.....	2823	38.3	25.2	24.9	21.0	20.9	13.1	14.6	19.8
Biological products.....	2831	19.3	18.7	19.6	19.9	20.7	21.8	22.9	22.6
Medicinals and botanicals.....	2833	14.7	15.0	14.2	15.9	16.0	16.7	18.1	18.2
Nitrogenous fertilizers.....	2873	11.2	12.0	14.0	16.7	14.5	14.0	14.8	15.4
Phosphatic fertilizers.....	2874	15.7	16.8	16.2	15.6	15.0	15.0	17.7	16.8
Fertilizers, mixing only.....	2875	16.0	16.0	15.3	15.7	14.4	15.4	15.0	14.3
Agricultural chemicals, nec.....	2879	21.1	23.3	23.9	23.0	24.5	26.0	26.2	25.3
Adhesives and sealants.....	2891	15.5	14.8	15.5	16.6	18.0	19.8	20.5	20.9
Explosives.....	2892	22.4	19.7	13.6	13.7	13.1	13.4	13.1	15.7
Printing ink.....	2893	12.4	12.3	10.6	11.3	12.1	12.4	12.8	12.3
Other chemical preparations.....	2895,9	40.6	37.4	40.5	42.8	45.3	46.9	47.0	45.1
Paving mixtures and blocks.....	2951	10.9	10.0	10.1	10.1	9.7	10.3	10.0	10.0
Asphalt felts and coatings.....	2952	19.4	17.0	18.6	18.7	19.6	20.8	20.4	17.4
Misc. petroleum and coal products...	299	11.5	11.2	11.1	11.0	10.9	12.0	12.3	12.3
Fabricated rubber products.....	303,4,6	144.2	120.6	126.5	133.7	138.8	145.7	135.4	127.5

See footnote at end of table.

**Table 7. Employment benchmarks for industries not published monthly—Continued**

(In thousands)

Industry	1972 SIC Code	March 1974 <sup>1</sup>	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981
Boot and shoe cut stock and findings.	313	11.4	8.6	10.3	10.1	11.4	11.6	11.0	10.7
House slippers.....	3142	11.4	9.0	8.2	8.3	8.3	8.5	8.7	9.1
Footwear, except rubber, nec.....	3149	25.5	22.7	23.1	21.6	23.3	24.0	23.5	23.5
Women's handbags and purses.....	3171	20.9	17.0	20.4	19.8	18.6	18.6	17.2	17.5
Personal leather goods, nec.....	3172	12.8	10.8	14.0	13.9	14.3	13.8	14.1	12.1
Other leather products, nec.....	315,9	14.5	12.2	13.6	14.3	14.5	14.7	13.7	13.1
Service-producing.....	-	52,792	53,721	55,364	57,005	60,053	62,661	64,454	65,245
Transportation and public utilities....	40-49	4,684	4,513	4,506	4,603	4,804	5,045	5,127	5,102
Transportation .....	40-42, 44-47	2,754.2	2,610.2	2,617.3	2,696.8	2,828.6	2,967.4	2,974.5	2,895.0
Other railroads and switching and terminal companies.....	4012	46.2	53.2	43.0	43.8	48.0	50.5	54.1	40.0
Other passenger transit services....	414,7	10.7	11.1	11.1	12.3	13.1	13.6	15.3	16.6
Trucking, local and long distance....	421	1,092.7	982.1	1,023.0	1,071.3	1,164.8	1,224.8	1,186.7	1,147.3
Trucking terminal facilities.....	423	5.0	4.5	4.6	5.0	5.2	7.1	7.6	7.2
Deep sea transportation.....	441,2	47.1	45.1	42.7	42.9	42.7	42.0	42.6	46.3
Water transportation services.....	446	112.4	108.3	107.4	103.8	117.3	115.1	112.0	114.0
Other water transportation.....	443-5	37.3	39.3	36.8	39.7	41.8	44.4	47.8	52.1
Air transportation services.....	458	34.4	36.7	36.8	39.2	41.0	45.9	49.4	49.8
Freight forwarding.....	471	36.4	36.8	36.6	40.2	43.3	45.2	49.2	52.6
Arrangement of transportation.....	472	70.8	74.1	80.5	90.6	102.6	113.8	125.7	128.2
Other transportation services.....	474,8	22.4	21.2	19.6	20.2	21.3	21.7	24.3	23.2
Telegraph communication.....	482	20.3	19.0	17.8	18.0	18.2	18.4	19.2	19.3
Communication services, nec.....	489	31.7	34.3	37.5	40.4	44.1	50.8	62.2	78.1
Water supply.....	494	18.3	18.4	18.5	19.0	19.4	20.0	20.4	20.6
Steam supply and irrigation systems..	496,7	2.6	2.6	3.0	3.3	3.2	2.5	2.5	2.7
Wholesale and retail trade.....	50-59	16,537	16,571	17,245	17,891	18,878	19,809	20,068	20,096
Wholesale trade.....	50-51	4,374	4,354	4,480	4,607	4,852	5,135	5,268	5,308
Farm-product raw materials.....	515	134.5	131.3	136.2	142.2	143.9	145.6	147.0	145.4
Retail trade.....	52-59	12,163	12,217	12,765	13,284	14,026	14,674	14,800	14,788
Paint, glass, and wallpaper stores...	523	50.2	51.3	53.2	55.7	58.0	61.1	61.7	61.6
Retail nurseries and garden stores...	526	44.6	41.5	45.7	47.0	48.5	52.5	53.7	54.1
Mobile home dealers.....	527	36.0	28.6	27.0	27.0	29.6	29.6	28.3	25.3
Other food stores.....	543-5,9	85.8	89.6	93.0	95.2	103.8	107.4	110.0	113.2
New and used car dealers.....	551	748.0	715.3	759.2	790.8	828.9	855.3	778.8	710.0
Used car dealers.....	552	42.6	40.6	45.0	45.9	47.1	48.5	43.0	40.4
Other automotive dealers.....	555-7,9	72.4	67.1	73.0	76.4	81.9	87.5	82.4	78.1
Women's accessory and specialty stores.....	563	25.6	25.4	25.0	23.6	22.8	24.0	23.2	23.0
Children's and infants' wear stores..	564	20.6	21.4	22.3	23.7	24.7	26.2	28.2	29.8
Furriers and other misc. apparel and accessories.....	568,9	30.7	30.7	32.9	34.4	37.0	43.2	44.8	48.5
Used merchandise stores.....	593	38.7	42.2	45.8	48.4	51.1	56.2	58.7	59.7
Finance, insurance, and real estate....	60-67	4,107	4,117	4,204	4,377	4,623	4,876	5,090	5,239
Mutual savings banks.....	603	46.9	49.1	53.0	58.1	62.8	66.2	70.1	74.0
Other related banking functions.....	601,4,5	52.4	56.0	56.2	57.2	59.2	61.1	64.1	68.9
Business credit institutions.....	615	24.2	24.2	23.6	22.7	23.4	29.8	31.7	32.4
Mortgage bankers and brokers.....	616	44.3	41.3	43.7	48.1	56.0	60.6	62.9	62.5
Credit agencies other than banks, nec Other security, commodity brokers and services.....	611,3	14.3	15.2	15.8	15.6	16.4	17.3	18.4	20.4
Other insurance carriers.....	622,3,8	27.8	28.1	28.9	32.4	35.5	38.5	41.5	46.6
Title abstract offices.....	635-7,9	54.4	55.4	59.9	61.8	70.8	73.0	75.5	74.3
Holding offices.....	654	16.1	14.9	17.0	20.3	22.6	22.8	22.2	20.6
Holding and other investment offices, nec.....	671	34.4	37.5	37.7	41.9	44.5	51.4	50.9	53.6
Services.....	07,70-86, 89,99	13,191	13,632	14,284	14,935	15,870	16,829	17,636	18,340
Veterinary, animal, landscape, and horticultural services .....	074,5,8	140.8	141.9	157.5	166.4	180.7	200.6	211.4	218.1
Camps and trailering parks.....	703	13.8	15.2	14.4	14.7	13.6	14.3	14.4	15.0
Other lodging places.....	702,4	23.4	21.3	20.6	18.5	17.8	16.9	16.1	15.5
Photographic studios, portrait.....	722	32.8	33.1	35.0	36.0	40.5	42.8	42.6	43.1
Barber shops.....	724	28.0	26.5	26.4	26.8	27.3	27.8	27.6	25.7
Misc. personal services.....	725,9	104.4	108.5	109.7	122.3	135.4	141.5	139.8	168.4
Other business services.....	735,9	918.5	964.4	955.6	1,035.7	1,132.0	1,239.4	1,346.9	1,402.4
Automotive rentals, without drivers..	751	81.7	79.7	83.1	88.3	102.5	116.3	122.2	119.8

See footnote at end of table.

**Table 7. Employment benchmarks for industries not published monthly—Continued**

(in thousands)

Industry	1972 SIC Code	March 1974 <sup>1</sup>	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981
Automobile parking.....	752	36.8	35.7	36.2	36.7	37.4	37.5	37.2	37.5
Automotive services, except repairs..	754	60.3	58.2	58.7	63.1	69.3	71.1	68.7	64.1
Electrical repair shops.....	762	66.1	65.1	68.3	69.9	76.3	84.2	86.7	87.0
Reupholstery and furniture repair....	764	21.5	20.2	21.4	22.0	22.3	23.1	22.5	22.1
Misc. repair services, nec.....	763,9	127.1	130.9	137.0	140.6	156.8	173.0	181.0	183.3
Motion picture distribution and services.....	782	11.0	10.4	9.8	10.4	11.1	10.7	10.6	11.1
Producers, orchestras, entertainers..	792	63.1	62.6	65.8	72.1	76.2	83.2	86.2	86.7
Bowling and billiard establishments..	793	102.0	103.0	106.4	112.2	115.1	116.4	117.2	114.8
Commercial sports.....	794	48.4	55.7	60.6	60.5	60.7	60.0	64.2	62.1
Amusement and recreation services, nec.....	791,9	297.8	308.9	328.0	355.7	383.0	405.1	432.6	443.5
Offices of osteopathic physicians....	803	15.4	16.3	17.5	19.4	21.0	22.0	23.9	25.1
Offices of other health practitioners	804	56.3	59.6	62.7	69.0	77.4	85.3	95.2	104.5
Medical and dental laboratories.....	807	78.3	80.5	87.0	92.2	96.3	101.6	103.4	105.6
Health services, nec.....	808,9	91.9	108.1	122.3	135.2	157.7	172.2	206.0	236.1
Correspondence and vocational schools	824	48.2	44.6	45.9	44.4	45.9	47.0	46.7	50.3
Educational services, nec.....	823,9	48.3	52.3	56.9	54.9	63.2	69.9	70.9	69.9
Individual and family services.....	832	84.9	96.4	102.8	112.6	127.1	155.9	172.2	197.5
Job training and related services....	833	91.8	84.7	101.8	120.1	149.8	173.6	192.4	194.1
Child day care services.....	835	168.7	196.8	216.8	238.9	275.8	316.9	303.2	294.6
Residential care.....	836	126.1	141.2	152.9	175.8	190.0	196.5	209.8	227.7
Social services, nec.....	839	135.0	142.9	162.9	175.4	204.2	227.5	241.5	247.9
Museums, botanical, and zoological gardens.....	841,2	23.9	24.7	25.7	25.7	28.8	30.4	30.9	31.9
Business associations.....	861	69.1	74.3	74.7	75.6	79.7	81.9	84.0	84.8
Professional organizations.....	862	27.4	27.6	31.8	30.7	33.2	33.9	35.5	35.6
Labor organizations.....	863	137.2	138.6	138.9	142.6	141.6	146.7	150.6	147.5
Civic and social associations.....	864	284.3	293.2	294.6	296.5	304.5	305.0	309.7	310.3
Religious organizations.....	866	866.5	861.0	881.3	882.7	875.0	890.4	892.3	885.2
Political and membership org., nec...	865,9	52.0	55.9	64.9	60.4	64.9	65.0	68.2	66.0
Miscellaneous services, nec.....	892,9	100.9	106.7	107.9	109.3	116.2	125.7	133.2	138.3
Nonclassifiable establishments.....	99	62.9	80.1	123.0	110.5	111.3	94.7	107.7	169.4
Government.....	-	14,273	14,888	15,125	15,199	15,878	16,102	16,533	16,468
Federal.....	-	2,691	2,724	2,724	2,714	2,725	2,740	2,869	2,769
Small arms ammunition and ordnance..	-	-	26.5	27.5	28.6	19.4	19.3	19.0	20.4
Other manufacturing.....	-	-	43.3	40.2	41.4	32.2	33.0	31.3	31.2
Trade division.....	-	-	86.5	84.0	87.1	74.4	77.4	80.3	78.8
Finance division.....	-	-	19.5	16.5	17.2	19.1	22.9	25.4	22.8
Other services.....	-	-	141.2	138.7	143.9	154.7	126.9	154.2	157.7
State and local government.....	-	11,582	12,163	12,401	12,485	13,153	13,362	13,664	13,699
State government.....	-	3,085	3,258	3,311	3,427	3,502	3,607	3,688	3,731
Other State government.....	-	1,745.2	1,839.4	1,866.6	1,947.3	2,034.5	2,134.7	2,193.8	2,219.1
Construction division.....	-	279.8	272.0	257.0	268.1	271.5	280.6	293.6	290.0
Transportation and public utilities..	-	26.3	26.7	29.4	30.7	31.8	34.1	34.3	34.4
Social services.....	-	136.9	157.2	157.9	164.7	161.6	179.7	182.2	179.9
Services, except hospitals, education, and social services.....	-	78.3	85.1	89.3	93.2	103.8	106.9	124.3	144.3
All other State government.....	-	743.1	798.0	820.0	855.4	914.7	990.2	1,028.2	1,048.4
Local government.....	-	8,496	8,904	9,089	9,058	9,499	9,755	9,976	9,968
Other local government.....	-	3,625.3	3,797.9	3,901.3	3,870.7	4,113.1	4,430.5	4,481.8	4,424.9
Social services.....	-	181.5	187.5	188.1	186.6	228.7	227.2	200.7	200.5
Services, except hospitals, education, and social services.....	-	103.5	111.0	109.7	108.8	108.9	146.6	174.4	164.7

<sup>1</sup> Data for 1974 are estimates, not universe counts.  
 Note: Includes overall total and industry division totals which are published regularly.  
 nec = not elsewhere classified  
 - = not available

# ESTABLISHMENT DATA

## Seasonal Factors

The following tables present seasonal adjustment factors for all series in the establishment section of this periodical. These factors were derived using data through March 1982. The factors should be used with current estimates (adjusted to the March 1981 benchmarks) beginning April 1982.

The seasonal movements are measured in order to adjust the data statistically for such recurring events as warm and cold weather, crop-growing cycles, holidays, vacations, regular industry model changeover periods, and the like. These movements are generally the largest single component of month-to-month change in employment, hours, and earnings. The seasonal factors which follow enable the analyst to remove these influences from the data in order to determine more basic trends.

**Table 8. Seasonal adjustment factors for employees on nonagricultural payrolls by industry division and major manufacturing group**

Industry	1982									1983		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total<sup>1</sup></b>												
<b>Mining</b>	99.1	100.1	101.9	101.7	101.7	100.8	100.1	100.1	99.5	98.5	98.1	98.4
<b>Construction</b>	96.4	100.2	103.8	105.6	106.8	105.9	105.9	103.7	99.6	90.3	89.6	92.3
<b>Manufacturing<sup>1</sup></b>												
<b>Durable goods<sup>1</sup></b>												
Lumber and wood products	98.0	99.8	102.1	102.0	103.0	103.0	101.9	100.2	98.6	96.6	97.0	97.6
Furniture and fixtures	100.2	99.3	99.4	97.1	99.2	100.5	101.2	101.2	101.1	100.4	100.4	100.0
Stone, clay, and glass products	99.3	100.3	102.1	101.6	102.1	102.2	101.7	101.4	99.4	96.6	95.9	97.4
Primary metal industries	100.1	100.3	101.3	99.6	99.8	100.6	99.9	99.9	99.9	99.7	99.5	99.7
Fabricated metal products	99.7	99.5	100.4	98.6	99.4	100.8	101.0	101.1	100.7	99.6	99.6	99.7
Machinery, except electrical	100.3	99.8	100.3	99.4	99.0	99.9	99.8	100.0	100.4	100.2	100.5	100.4
Electric and electronic equipment	99.7	99.6	100.3	99.2	99.4	100.3	100.6	100.5	100.6	100.1	99.9	99.7
Transportation equipment	100.1	100.3	100.3	98.6	97.4	101.1	101.6	101.5	100.8	99.3	98.8	100.1
Instruments and related products	99.8	99.7	100.3	100.0	100.2	99.9	99.9	100.1	100.3	99.8	99.6	99.7
Miscellaneous manufacturing ind.	99.4	99.7	100.9	97.3	101.1	102.6	103.1	102.7	99.6	96.9	97.9	98.8
<b>Nondurable goods<sup>1</sup></b>												
Food and kindred products	96.1	97.0	99.4	101.5	106.1	106.4	103.4	101.0	99.3	96.8	96.6	96.4
Tobacco manufactures	92.4	91.5	92.9	93.2	105.4	109.0	108.8	106.1	104.7	102.1	98.9	94.9
Textile mill products	99.7	99.9	100.5	98.1	100.1	100.6	100.3	100.6	100.6	99.6	99.9	99.9
Apparel and other textile products	100.2	100.6	101.7	97.1	100.6	101.5	101.3	100.7	99.1	97.9	99.4	99.9
Paper and allied products	99.8	99.8	100.9	100.1	100.7	100.3	100.2	100.1	99.9	99.4	99.3	99.4
Printing and publishing	100.0	99.8	100.1	99.7	99.6	99.7	99.9	100.3	100.8	99.9	100.0	100.1
Chemicals and allied products	99.9	100.1	101.0	100.6	100.4	100.0	99.8	99.7	99.7	99.4	99.5	99.9
Petroleum and coal products	99.0	100.1	101.5	102.0	102.0	101.2	100.9	100.7	99.2	97.6	97.6	98.2
Rubber and misc. plastic products	99.7	99.5	100.5	98.5	99.6	101.0	100.9	100.8	100.3	99.8	99.8	99.5
Leather and leather products	99.7	101.1	102.2	95.4	101.6	101.3	101.3	101.3	99.5	98.6	98.8	99.1
<b>Transportation and public utilities</b>	99.3	99.9	100.7	100.2	100.2	100.9	100.9	100.7	100.6	98.8	98.7	99.0
<b>Wholesale and retail trade<sup>1</sup></b>												
<b>Wholesale trade</b>	99.7	99.8	100.6	100.3	100.3	100.1	100.4	100.4	100.3	99.4	99.3	99.5
<b>Retail trade</b>	99.2	99.9	100.3	99.8	100.0	100.5	100.4	101.5	104.1	98.8	97.6	97.9
<b>Finance, insurance, and real estate</b>	99.7	100.0	101.0	101.2	101.0	100.0	99.8	99.7	99.7	99.3	99.2	99.4
<b>Services</b>	100.2	100.4	100.3	100.8	100.6	100.2	100.3	99.9	99.7	98.4	99.1	99.6
<b>Government<sup>1</sup></b>												
<b>Federal<sup>2</sup></b>	100.0	100.2	101.7	102.1	101.2	98.9	99.3	99.3	99.0	99.1	99.5	99.6
<b>State and local</b>	102.3	102.3	100.7	94.7	93.6	97.4	100.8	101.9	101.7	100.2	101.9	102.5

<sup>1</sup> Seasonally adjusted data derived by summation of components.

<sup>2</sup> Based on data which exclude temporary Christmas employees of the postal service during December.

**Table 9. Seasonal adjustment factors for women employees on nonagricultural payrolls by industry division and manufacturing group**

Industry	1982									1983		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total<sup>1</sup></b>												
<b>Mining</b>	98.3	99.2	102.1	102.4	102.9	100.7	99.8	100.0	99.3	98.6	98.4	98.2
<b>Construction</b>	98.8	99.4	101.4	102.2	102.2	101.3	100.8	100.3	99.5	98.4	97.8	98.1
<b>Manufacturing<sup>1</sup></b>												
<b>Durable goods<sup>1</sup></b>												
Lumber and wood products	99.3	100.3	101.1	100.1	101.6	102.3	101.6	100.6	99.2	97.8	97.7	98.3
Furniture and fixtures	100.4	99.4	99.0	96.1	98.5	100.4	101.5	101.6	101.9	100.5	100.6	100.1
Stone, clay, and glass products	99.2	99.7	101.3	100.0	100.6	101.4	101.3	100.9	99.8	98.4	98.6	98.7
Primary metal industries	100.5	100.0	101.0	99.3	99.3	100.5	100.1	100.4	100.0	99.5	99.4	100.0
Fabricated metal products	100.0	99.7	100.2	98.2	98.8	100.8	101.4	101.3	100.7	99.7	99.5	99.8
Machinery, except electrical <sup>2</sup>	100.4	99.9	99.9	99.2	98.5	99.4	99.7	100.1	100.6	100.6	100.9	100.9
Electric and electronic equipment	99.9	99.7	100.5	98.6	98.9	100.3	100.7	100.8	100.9	100.0	99.8	99.9
Transportation equipment	99.8	100.0	100.7	99.3	98.5	101.2	101.8	101.7	100.5	99.1	98.5	99.0
Instruments and related products	100.0	100.0	101.2	99.4	100.0	99.9	100.0	100.2	100.2	99.7	99.7	99.7
Miscellaneous manufacturing ind.	99.2	99.8	101.1	96.3	101.3	103.7	104.7	103.8	99.1	95.4	97.0	98.5
<b>Nondurable goods<sup>1</sup></b>												
Food and kindred products	93.6	94.9	97.9	101.4	110.3	111.9	106.6	102.3	98.8	94.3	93.9	94.2
Tobacco manufactures	89.2	88.8	89.2	88.8	107.8	112.8	114.0	109.7	105.4	102.2	98.9	93.2
Textile mill products	99.8	100.1	100.7	97.7	100.3	100.8	100.6	101.0	100.4	99.3	99.7	99.6
Apparel and other textile products	100.4	100.7	101.7	96.7	100.5	101.3	101.2	100.7	99.1	98.0	99.7	100.1
Paper and allied products	99.6	99.9	101.6	99.9	101.1	100.6	100.7	100.3	99.7	99.6	98.6	99.2
Printing and publishing	100.1	99.8	99.9	99.6	99.6	99.6	100.1	100.5	100.9	99.9	99.9	100.2
Chemicals and allied products	99.4	99.8	101.1	100.8	100.6	100.4	100.3	100.1	99.7	99.0	99.2	99.6
Petroleum and coal products	97.4	99.1	102.4	103.9	103.0	101.5	100.7	100.2	99.7	98.4	96.8	96.9
Rubber and misc. plastic products	99.6	99.5	100.8	97.9	99.3	101.5	101.5	101.3	100.3	99.3	99.4	99.5
Leather and leather products	99.7	100.9	102.4	95.5	101.8	101.6	101.6	101.7	99.3	98.2	98.4	98.9
<b>Transportation and public utilities</b>	99.5	99.9	100.5	99.0	98.9	100.6	100.9	101.0	100.8	99.7	99.6	99.7
<b>Wholesale and retail trade<sup>1</sup></b>												
<b>Wholesale trade</b>	99.3	99.7	100.1	99.5	99.7	100.2	101.2	101.3	100.9	99.4	99.3	99.6
<b>Retail trade</b>	98.6	99.4	99.9	99.0	99.4	100.5	100.5	102.6	106.2	99.1	97.4	97.5
<b>Finance, insurance, and real estate</b>	99.8	99.8	100.5	100.7	100.5	99.7	99.8	99.9	100.0	99.6	99.8	99.9
<b>Services</b>	100.4	100.3	100.4	100.0	99.8	100.0	100.4	100.2	99.9	98.9	99.6	100.0
<b>Government<sup>1</sup></b>												
<b>Federal</b>	100.6	100.5	102.2	102.4	101.3	98.4	98.8	98.6	98.6	99.2	99.7	99.8
<b>State and local</b>	103.9	103.5	100.6	90.0	88.6	96.6	101.7	103.3	103.0	101.5	103.3	103.9

<sup>1</sup> Seasonally adjusted data derived by summation of components.

<sup>2</sup> No ARIMA models identified to extend series for one year. Factors shown relate to data from latest year (April 1981-March 1982).

**Table 10. Seasonal adjustment factors for production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group**

Industry	1982									1983		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>2</sup></b>												
<b>Mining</b> .....	98.5	99.7	102.0	101.9	101.7	101.2	100.4	100.3	99.7	98.5	98.0	98.2
<b>Construction</b> .....	95.8	100.4	104.6	106.8	108.3	107.3	107.4	104.7	99.6	87.8	87.0	90.4
<b>Manufacturing<sup>1</sup></b>												
<b>Durable goods<sup>2</sup></b>												
Lumber and wood products .....	97.7	99.8	102.4	102.3	103.4	103.5	102.1	100.1	98.4	96.2	96.7	97.3
Furniture and fixtures .....	100.1	99.1	99.3	96.6	99.0	100.7	101.4	101.4	101.3	100.5	100.4	100.1
Stone, clay, and glass products .....	99.3	100.3	102.5	101.7	102.3	102.7	102.2	101.7	99.3	95.9	95.1	97.0
Primary metal industries .....	100.2	100.4	101.1	99.4	99.6	100.7	99.9	99.9	99.9	99.8	99.5	99.7
Fabricated metal products .....	99.7	99.4	100.5	98.1	99.2	101.1	101.3	101.5	100.3	99.4	99.5	99.6
Machinery, except electrical .....	100.7	99.9	100.3	98.8	98.1	100.0	99.8	100.1	100.5	100.4	100.8	100.6
Electric and electronic equipment .....	99.9	99.7	100.3	98.6	98.8	100.4	100.7	100.7	100.9	100.1	100.0	99.9
Transportation equipment .....	100.4	100.8	100.4	97.1	95.3	101.2	102.2	102.1	101.5	99.3	99.0	100.7
Instruments and related products .....	100.1	99.9	101.0	99.6	99.9	99.8	99.7	100.1	100.5	99.8	99.8	99.8
Miscellaneous manufacturing ind. ....	99.4	99.7	101.0	96.7	101.5	103.4	103.8	103.3	99.2	96.0	97.3	98.6
<b>Nondurable goods<sup>2</sup></b>												
Food and kindred products .....	94.7	95.9	98.9	101.6	108.1	108.9	104.9	101.5	99.0	95.7	95.4	95.2
Tobacco manufactures .....	90.7	89.7	91.7	91.6	106.2	110.9	110.9	107.7	105.6	102.6	98.6	93.9
Textile mill products .....	99.7	99.9	100.5	97.9	100.1	100.6	100.3	100.7	100.6	99.7	99.9	100.0
Apparel and other textile products .....	100.2	100.6	101.9	96.8	100.7	101.7	101.4	100.8	98.9	97.6	99.4	99.9
Paper and allied products .....	99.6	99.8	101.2	100.1	100.7	100.5	100.3	100.2	99.9	99.3	99.1	99.4
Printing and publishing .....	100.3	99.9	99.8	99.1	99.3	99.8	99.9	100.4	101.0	99.9	100.2	100.3
Chemicals and allied products .....	100.1	100.4	101.3	100.4	100.3	100.1	99.7	99.6	99.5	99.2	99.5	99.9
Petroleum and coal products .....	98.7	100.2	102.2	102.6	102.7	101.8	101.5	100.7	98.8	97.2	96.5	97.0
Rubber and misc. plastic products .....	99.8	99.5	100.3	97.5	98.9	100.7	100.7	101.0	100.6	100.3	100.6	100.2
Leather and leather products .....	99.5	101.2	102.4	95.5	101.6	101.5	101.6	101.6	99.3	98.2	98.6	98.9
<b>Transportation and public utilities</b> .....	99.2	99.9	100.8	100.2	100.2	101.0	101.0	100.8	100.6	98.7	98.6	98.9
<b>Wholesale and retail trade<sup>2</sup></b>												
<b>Wholesale trade</b> .....	99.7	99.8	100.7	100.4	100.3	100.1	100.4	100.5	100.3	99.3	99.2	99.4
<b>Retail trade</b> .....	99.0	99.8	100.2	99.6	100.0	100.5	100.5	101.8	104.6	98.8	97.4	97.7
<b>Finance, insurance, and real estate</b> .....	99.6	100.0	101.2	101.5	101.3	100.0	99.8	99.6	99.6	99.1	99.0	99.2
<b>Services</b> .....	100.3	100.5	100.9	100.9	100.7	100.1	100.3	99.9	99.7	98.2	99.0	99.5

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

<sup>2</sup> Seasonally adjusted data derived by summation of components.

<sup>3</sup> No ARIMA models identified to extend series for one year. Factors shown relate to data from latest year (April 1981-March 1982).

**Table 11. Seasonal adjustment factors for average weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group**

Industry	1982									1983		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>2</sup></b>												
Mining .....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Construction .....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
<b>Manufacturing<sup>2</sup></b>												
<b>Durable goods<sup>2</sup></b>												
Lumber and wood products .....	99.2	100.1	101.4	100.0	101.6	100.9	101.0	100.0	101.1	96.1	98.8	99.8
Furniture and fixtures .....	99.1	99.2	100.3	98.0	100.5	100.8	101.7	101.2	102.7	96.7	99.1	100.7
Stone, clay, and glass products .....	99.7	100.4	101.1	99.9	100.7	100.8	101.1	101.1	101.1	96.8	97.7	99.5
Primary metal industries .....	100.4	99.5	99.9	98.9	98.8	100.5	99.4	100.3	100.9	100.2	100.6	100.6
Fabricated metal products .....	98.9	99.7	100.4	98.4	99.7	100.2	100.5	100.9	102.6	99.2	99.3	100.2
Machinery, except electrical .....	99.2	99.7	99.9	98.3	99.0	100.2	99.8	100.9	102.9	99.7	100.0	100.4
Electric and electronic equipment .....	99.2	99.5	100.0	98.2	99.4	100.0	100.2	101.0	102.4	99.5	100.1	100.3
Transportation equipment .....	98.6	100.0	100.0	99.0	98.7	99.3	101.0	101.1	104.1	98.6	99.7	100.1
Instruments and related products .....	99.1	99.7	100.0	98.6	99.4	99.9	100.2	101.5	101.9	99.1	100.2	100.4
Miscellaneous manufacturing ind .....	99.3	99.5	100.0	98.7	100.0	100.7	101.0	101.4	101.5	98.2	99.4	100.2
<b>Nondurable goods<sup>2</sup></b>												
Food and kindred products .....	98.4	99.9	100.0	100.3	101.3	101.2	100.0	100.7	101.4	99.1	98.8	98.9
Tobacco manufactures .....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Textile mill products .....	98.8	100.1	100.8	98.8	100.2	100.3	101.2	101.4	102.1	96.5	99.5	100.2
Apparel and other textile products .....	99.0	100.2	101.2	100.6	101.2	99.8	100.8	100.9	101.2	95.6	99.1	100.4
Paper and allied products .....	99.3	99.3	99.9	98.3	99.7	100.5	100.1	100.7	102.1	99.9	99.4	99.7
Printing and publishing .....	99.1	99.7	99.5	99.6	100.7	100.6	100.2	100.6	102.2	98.6	99.3	99.9
Chemicals and allied products .....	100.0	99.6	99.8	99.4	99.4	100.1	100.1	100.9	101.3	99.6	99.7	100.0
Petroleum and coal products <sup>4</sup> .....	99.9	99.6	100.3	101.5	100.3	103.2	102.1	101.4	99.7	97.5	97.0	97.3
Rubber and misc. plastic products .....	99.3	99.4	100.0	98.4	100.0	100.0	100.7	100.7	101.7	99.7	99.9	100.2
Leather and leather products .....	98.8	101.0	102.7	100.0	100.5	99.4	100.2	100.2	100.9	97.6	99.3	99.5
<b>Transportation and public utilities .....</b>	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
<b>Wholesale and retail trade<sup>2</sup></b>												
Wholesale trade .....	99.7	99.8	100.1	100.4	100.3	100.1	100.4	100.2	100.8	99.3	99.3	99.7
Retail trade .....	99.2	99.2	100.9	102.6	102.7	100.4	99.6	99.5	101.3	97.7	98.2	98.8
<b>Finance, insurance, and real estate .....</b>	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
<b>Services .....</b>	99.5	99.4	100.4	101.5	101.2	99.7	99.8	99.7	100.0	99.3	99.7	99.7

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

<sup>2</sup> Seasonally adjusted data derived by summation of components.

<sup>3</sup> The seasonal 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>4</sup> No ARIMA models identified to extend series for one year. Factors shown relate to data from latest year (April 1981-March 1982).

**Table 12. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls**

Industry	1982									1983		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Manufacturing<sup>1</sup></b>												
<b>Durable goods<sup>2</sup></b> .....	89.0	95.5	98.5	93.5	97.9	104.9	104.3	105.0	112.8	97.7	98.7	102.0
<b>Nondurable goods</b> .....	89.2	96.1	98.4	96.9	105.3	111.5	105.0	105.2	105.5	96.3	96.5	94.2

<sup>1</sup> Seasonally adjusted data derived by summation of components.

<sup>2</sup> No ARIMA models identified to extend series for one year. Factors shown relate to data from latest year (April 1981-March 1982).

**Table 13. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry division**

Industry	1982									1983		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>1</sup></b>												
Mining .....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Construction .....	99.0	99.3	99.1	99.7	100.2	101.0	100.9	100.4	100.4	100.7	99.8	99.5
Manufacturing .....	99.8	99.7	99.8	99.9	99.3	100.3	100.0	100.0	100.8	100.5	99.9	100.0
Transportation and public utilities .....	99.6	99.3	99.0	99.9	100.3	100.9	100.5	100.8	100.4	100.1	100.0	99.1
Wholesale and retail trade .....	100.4	100.0	99.6	99.6	99.3	100.1	99.7	99.7	98.9	101.3	101.0	100.6
Finance, insurance, and real estate .....	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Services .....	100.2	100.0	99.1	98.7	98.6	99.7	100.1	100.6	100.2	101.2	101.0	100.7

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

<sup>2</sup> Seasonally adjusted data derived by summation of components.

<sup>3</sup> The seasonal 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 14. Seasonal adjustment factors for indexes of average hourly earnings adjusted for overtime (in manufacturing only) and interindustry employment shifts of production or nonsupervisory workers' on private nonagricultural payrolls by industry division**

Industry	1982									1983		
	Apr. <sup>1</sup>	May <sup>2</sup>	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total private<sup>1</sup></b>												
Mining .....	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Construction .....	99.0	99.6	99.6	100.1	100.6	101.5	101.2	100.5	100.1	99.8	99.0	99.1
<b>Manufacturing<sup>3</sup></b>												
Durable goods .....	100.0	99.8	100.0	99.9	99.5	100.0	100.1	100.1	100.5	100.2	99.9	99.9
Nondurable goods .....	100.1	99.8	99.7	100.1	99.8	100.0	99.9	99.9	100.1	100.4	100.2	100.0
Transportation and public utilities .....	99.7	99.3	98.8	99.6	100.0	101.0	100.5	100.8	100.5	100.2	100.2	99.4
<b>Wholesale and retail trade<sup>1</sup></b>												
Wholesale trade .....	100.3	99.8	99.7	99.8	99.5	100.1	99.8	100.0	100.2	100.3	100.3	100.2
Retail trade .....	100.5	100.2	99.8	99.9	99.6	99.9	99.6	99.5	99.0	100.8	100.7	100.6
Finance, insurance, and real estate .....	100.3	99.9	99.8	99.8	99.7	99.6	99.5	100.0	99.6	100.4	101.1	100.4
Services .....	100.3	100.0	99.5	99.4	99.1	100.0	99.8	100.1	99.8	100.8	100.8	100.5

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

<sup>2</sup> The seasonal factors for the April 1983 and May 1983 preliminary estimates will

be those shown for April 1982 and May 1982.

<sup>3</sup> Seasonally adjusted data derived from components.

<sup>4</sup> The seasonal 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.



# HOUSEHOLD DATA HISTORICAL

## A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>Annual averages</b>										
1947.....	103,418	60,941	53.9	59,350	57,038	7,393	42,113	2,311	3.9	42,477
1948.....	104,527	62,080	53.4	59,521	58,343	7,529	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	53.5	61,286	57,651	7,553	49,993	3,637	5.9	42,733
1950.....	105,645	63,858	53.9	62,208	58,918	7,160	51,753	3,288	5.3	42,787
1951.....	107,721	65,117	53.4	62,317	59,951	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	53.4	62,138	60,250	6,500	53,743	1,883	3.0	43,033
1953 <sup>1</sup> .....	110,631	66,560	53.2	63,315	61,179	6,250	54,913	1,834	2.9	44,041
1954.....	111,671	66,993	53.0	63,643	60,139	6,205	53,904	3,532	5.5	44,673
1955.....	112,732	68,072	53.4	65,323	62,170	5,450	55,722	2,852	4.4	44,650
1956.....	113,811	69,409	51.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	53.5	67,329	64,071	5,947	58,123	2,859	4.3	45,335
1958.....	116,363	70,275	53.4	67,639	63,036	5,585	57,450	4,602	5.8	46,038
1959.....	117,881	70,921	53.2	68,369	64,530	5,565	59,055	3,740	5.5	46,960
1960 <sup>1</sup> .....	119,759	72,142	53.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	53.2	70,459	65,746	5,200	60,545	4,714	6.7	48,312
1962.....	122,981	73,442	53.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	53.5	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	53.5	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	53.7	74,455	71,088	4,361	66,726	3,366	4.5	52,053
1966.....	131,180	78,893	53.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	53.5	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	53.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	53.1	80,734	77,902	3,506	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	53.1	82,771	78,578	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	51.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 <sup>1</sup> .....	146,574	89,484	51.1	87,034	82,153	3,484	78,659	4,882	5.6	57,091
1973 <sup>1</sup> .....	149,423	91,756	51.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	51.3	91,349	86,794	3,515	83,273	5,156	5.6	58,171
1975.....	155,333	95,955	51.3	93,775	85,846	3,408	82,438	7,929	5.5	59,377
1976.....	158,294	98,302	52.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,156	101,142	52.3	99,009	92,017	3,233	89,734	6,991	7.1	60,025
1978 <sup>1</sup> .....	164,027	104,368	53.5	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1979.....	166,951	107,050	54.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	169,843	109,042	54.2	106,340	99,303	3,368	95,933	7,637	7.1	60,806
1981.....	172,272	110,812	54.3	108,670	100,397	3,368	97,030	9,273	7.6	61,450
<b>Monthly data, seasonally adjusted<sup>2</sup></b>										
<b>1981:</b>										
May.....	171,956	111,420	54.8	109,293	101,045	3,405	97,640	8,248	7.5	60,535
June.....	172,172	110,565	54.2	108,434	100,430	3,348	97,032	8,004	7.4	61,628
July.....	172,335	110,827	54.3	108,688	100,864	3,342	97,522	7,824	7.2	61,558
August.....	172,559	110,978	54.3	108,818	100,840	3,404	97,435	7,978	7.3	61,581
September.....	172,758	110,659	54.1	108,494	100,258	3,358	95,900	3,236	7.6	62,039
October.....	172,966	111,170	54.3	109,312	100,343	3,378	96,965	8,669	9.0	61,797
November.....	173,155	111,430	54.4	109,272	100,172	3,372	96,800	9,100	9.3	61,724
December.....	173,330	111,348	54.2	109,184	99,613	3,209	95,404	9,571	8.8	61,992
<b>1982:</b>										
January.....	173,495	111,038	54.0	108,379	99,581	3,411	95,170	9,298	3.5	62,455
February.....	173,657	111,333	54.1	109,165	99,590	3,373	96,217	9,575	3.8	62,324
March.....	173,843	111,521	54.2	109,346	99,492	3,349	95,144	9,854	9.0	62,321
April.....	174,020	111,824	54.3	109,648	99,340	3,309	96,032	10,307	9.4	62,197
May.....	174,201	112,841	54.3	110,666	100,117	3,438	96,629	10,549	9.5	61,350

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

<sup>2</sup> Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

# HOUSEHOLD DATA HISTORICAL

## A-2. Employment status of the noninstitutional population 16 years and over by sex, 1972 to date

(Numbers in thousands)

Sex, year, and month	Total nonin- stitutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
<b>MALES</b>										
Annual averages										
1972 <sup>1</sup> .....	70,241	55,961	79.7	53,555	50,896	2,849	43,047	2,659	5.0	14,233
1973 <sup>1</sup> .....	71,557	56,900	79.5	54,524	52,349	2,847	43,502	2,275	4.2	14,667
1974.....	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.9	15,069
1975.....	74,383	58,390	78.5	56,239	51,857	2,924	49,032	4,442	7.9	15,993
1976.....	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977.....	77,211	60,414	78.2	58,396	54,723	2,671	52,057	3,667	5.3	16,797
1978 <sup>1</sup> .....	78,569	61,613	78.4	59,620	56,479	2,713	53,751	3,142	5.3	15,955
1979.....	79,958	62,676	78.4	60,726	57,507	2,535	54,921	3,120	5.1	17,293
1980.....	81,341	63,396	77.9	61,453	57,186	2,739	54,477	4,267	5.9	17,945
1981.....	82,476	63,939	77.5	61,974	57,397	2,733	54,697	4,577	7.4	18,531
Monthly data, seasonally adjusted <sup>2</sup>										
<b>1981:</b>										
May.....	82,324	64,317	78.1	62,364	57,793	2,729	55,055	4,571	7.3	18,027
June.....	82,429	63,647	77.2	61,694	57,279	2,734	54,575	4,415	7.2	18,781
July.....	82,529	63,771	77.3	61,311	57,640	2,695	54,944	4,171	6.7	18,753
August.....	82,613	63,916	77.4	61,336	57,551	2,738	54,813	4,385	7.1	18,697
September.....	82,707	63,960	77.3	61,377	57,471	2,637	54,784	4,536	7.3	18,747
October.....	82,807	64,040	77.3	62,364	57,266	2,715	54,551	4,798	7.7	18,767
November.....	82,895	64,159	77.4	62,184	57,051	2,568	54,383	5,133	8.3	18,737
December.....	82,978	64,283	77.5	62,303	56,725	2,593	54,135	5,578	9.0	18,695
<b>1982:</b>										
January.....	83,054	63,941	77.0	61,966	56,629	2,699	53,931	5,338	8.6	19,113
February.....	83,129	64,025	77.0	62,342	56,553	2,633	53,955	5,384	8.7	19,134
March.....	83,218	64,069	77.0	62,082	56,472	2,667	53,805	5,610	9.0	19,149
April.....	83,333	64,234	77.1	62,247	56,401	2,651	53,739	5,346	9.4	19,063
May.....	83,389	64,835	77.3	62,849	56,820	2,737	54,023	6,029	9.6	18,553
<b>FEMALES</b>										
Annual averages										
1972 <sup>1</sup> .....	75,333	33,522	43.9	33,479	31,257	635	30,522	2,222	5.6	42,811
1973 <sup>1</sup> .....	77,855	34,855	44.8	34,804	32,715	522	32,093	2,089	6.0	43,000
1974.....	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,101
1975.....	80,949	37,565	45.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976.....	82,496	39,089	47.4	38,983	35,615	589	35,027	3,369	9.6	43,405
1977.....	83,955	40,728	48.3	40,513	37,289	512	35,677	3,324	9.2	43,227
1978 <sup>1</sup> .....	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979.....	86,983	44,375	51.0	44,235	41,217	561	40,556	3,018	5.9	42,609
1980.....	88,507	45,646	51.5	45,487	42,117	656	41,461	3,370	7.4	42,851
1981.....	89,796	46,873	52.2	46,596	43,000	667	42,333	3,696	7.9	42,922
Monthly data, seasonally adjusted <sup>2</sup>										
<b>1981:</b>										
May.....	89,632	47,103	52.5	46,929	43,252	577	42,575	3,677	7.8	42,529
June.....	89,744	46,918	52.3	45,740	43,151	644	42,507	3,589	7.7	42,827
July.....	89,856	47,056	52.4	46,877	43,224	646	42,578	3,653	7.8	42,800
August.....	89,946	47,062	52.3	46,882	43,299	665	42,623	3,593	7.7	42,834
September.....	90,051	46,699	51.9	46,517	42,787	671	42,115	3,730	8.0	43,352
October.....	90,159	47,129	52.3	45,948	43,377	663	42,414	3,871	9.2	43,030
November.....	90,259	47,272	52.4	47,088	43,121	704	42,417	3,957	9.4	42,987
December.....	90,352	47,066	52.1	46,391	42,888	619	42,269	3,993	8.5	43,235
<b>1982:</b>										
January.....	90,441	47,097	52.1	46,913	42,952	713	42,239	3,960	9.4	43,343
February.....	90,528	47,308	52.3	47,123	42,932	533	42,251	4,191	8.9	43,220
March.....	90,625	47,452	52.4	47,264	43,320	582	42,339	4,243	9.0	43,173
April.....	90,718	47,589	52.5	47,401	42,940	647	42,292	4,461	9.4	43,129
May.....	90,813	48,005	52.9	47,817	43,297	691	42,605	4,520	9.5	42,407

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

<sup>2</sup> Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

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

[Numbers in thousands]

Sex, age, and race	May 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>MALES</b>											
16 years and over	64,422	77.3	52,435	56,757	5,669	3.1	13,967	332	4,602	1,591	12,441
16 to 21 years	8,253	65.3	7,523	6,044	1,576	23.7	4,283	29	3,716	25	513
16 to 19 years	4,726	57.9	4,453	3,458	1,010	22.6	3,435	22	3,113	14	283
16 to 17 years	1,816	46.3	1,806	1,352	444	24.5	2,129	13	2,007	3	106
18 to 19 years	2,910	69.3	2,551	2,396	566	21.3	1,306	9	1,103	11	183
20 to 64 years	57,792	89.1	56,064	51,456	4,598	3.2	7,039	125	1,492	1,385	4,384
20 to 24 years	9,285	85.1	8,521	7,229	1,292	15.2	1,620	21	1,078	34	487
25 to 54 years	41,301	94.4	40,333	37,397	2,942	7.3	2,453	57	407	573	1,426
25 to 29 years	9,590	94.2	9,205	8,248	958	13.4	593	13	250	59	274
30 to 34 years	8,844	96.3	8,580	7,916	663	7.7	356	4	74	73	210
35 to 39 years	7,257	96.1	7,065	6,580	487	5.9	237	9	40	83	155
40 to 44 years	5,744	94.9	5,655	5,343	313	5.5	336	13	22	94	177
45 to 49 years	5,001	93.5	4,972	4,728	244	4.9	347	6	13	100	223
50 to 54 years	4,865	89.3	4,853	4,581	277	5.7	553	14	9	159	372
55 to 64 years	7,205	70.5	7,204	6,340	363	5.0	3,036	43	7	478	2,472
55 to 59 years	4,462	82.7	4,461	4,214	247	5.5	2,334	18	6	222	633
60 to 64 years	2,743	57.3	2,743	2,627	116	4.2	2,072	30	2	257	1,784
65 years and over	1,904	18.4	1,304	1,343	61	3.2	8,442	184	--	491	7,758
65 to 69 years	1,096	28.3	1,096	1,058	28	2.5	2,319	43	--	199	2,533
70 years and over	808	12.5	308	775	33	4.1	5,524	141	--	303	5,180
<b>White</b>											
16 years and over	56,708	78.1	55,181	53,749	4,432	3.0	15,935	275	3,570	1,253	10,829
16 to 21 years	7,153	68.5	6,563	5,452	1,216	18.2	3,296	19	2,906	18	353
16 to 19 years	4,163	61.3	3,963	3,166	794	20.3	2,624	14	2,397	11	203
16 to 17 years	1,652	50.3	1,544	1,276	368	22.4	1,531	9	1,542	3	77
18 to 19 years	2,511	71.5	2,315	1,890	426	13.4	994	6	855	8	125
20 to 64 years	50,821	89.9	49,497	45,896	3,602	7.3	5,720	102	1,174	841	3,602
20 to 24 years	7,947	86.4	7,382	6,438	974	13.2	1,254	20	894	22	319
25 to 54 years	36,321	95.2	35,564	33,246	2,318	5.5	1,829	45	276	427	1,080
25 to 29 years	16,055	95.9	15,560	14,310	1,250	3.3	637	12	219	97	360
30 to 34 years	11,474	96.3	11,243	10,638	635	5.5	444	17	44	131	252
35 to 54 years	8,792	92.5	8,763	8,327	433	4.9	598	16	14	200	459
55 to 64 years	6,554	71.3	6,552	6,242	310	4.7	2,637	37	4	393	2,203
55 to 59 years	4,049	83.5	4,043	3,844	204	5.0	793	15	4	185	590
60 to 64 years	2,504	57.5	2,504	2,398	106	4.2	1,844	23	--	233	1,613
65 years and over	1,724	18.5	1,724	1,687	37	2.1	7,591	160	--	438	7,024
<b>Black and other</b>											
16 years and over	7,714	71.3	7,254	6,018	1,236	17.0	3,031	55	1,032	331	1,612
16 to 21 years	1,101	52.7	952	592	359	37.8	936	10	809	7	150
16 to 19 years	563	41.3	508	232	216	42.6	811	8	714	4	85
16 to 17 years	163	24.7	162	86	76	47.1	498	5	465	1	29
18 to 19 years	400	56.1	345	236	140	40.4	313	3	249	3	53
20 to 64 years	6,971	83.5	6,565	5,570	996	15.2	1,359	24	318	244	792
20 to 24 years	1,338	78.5	1,139	821	318	23.0	366	1	184	13	158
25 to 54 years	4,980	88.7	4,775	4,151	625	13.1	534	12	131	145	345
25 to 29 years	2,379	83.7	2,225	1,854	371	15.7	272	2	105	40	125
30 to 34 years	1,526	90.5	1,483	1,315	165	11.1	159	5	13	45	90
35 to 54 years	1,075	84.1	1,073	932	98	8.2	233	5	7	60	131
55 to 64 years	651	63.3	551	598	53	3.1	359	11	3	86	259
55 to 59 years	413	74.5	413	369	43	10.5	141	4	2	37	93
60 to 64 years	239	51.2	239	229	10	4.1	228	7	1	49	171
65 years and over	180	17.5	180	156	24	13.5	351	24	--	93	744

# HOUSEHOLD DATA

## A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

(Numbers in thousands)

Sex, age, and race	1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>FEMALES</b>											
16 years and over .....	47,667	52.5	47,473	43,191	4,288	9.0	43,146	31,535	4,511	1,131	5,859
16 to 21 years .....	6,733	55.0	6,665	5,390	1,275	19.1	5,309	1,259	3,738	12	501
16 to 19 years .....	3,955	49.8	3,928	3,047	882	22.4	3,989	528	3,157	5	300
16 to 17 years .....	1,473	38.5	1,472	1,102	370	25.1	2,354	153	2,086	--	115
18 to 19 years .....	2,482	60.3	2,455	1,944	512	20.8	1,635	375	1,070	4	195
20 to 64 years .....	42,455	62.5	42,293	39,942	3,352	7.9	25,435	21,229	1,348	535	2,323
20 to 24 years .....	7,445	68.9	7,354	6,410	944	12.8	3,350	2,360	903	31	366
25 to 54 years .....	30,137	66.4	30,067	27,390	2,677	7.2	15,260	13,506	429	252	1,073
25 to 29 years .....	7,033	68.2	6,986	5,293	693	3.9	3,280	2,868	175	39	195
30 to 34 years .....	6,295	66.3	6,278	5,791	487	7.8	3,123	2,793	100	20	239
35 to 39 years .....	5,245	67.2	5,241	4,319	322	5.1	2,556	2,255	73	39	190
40 to 44 years .....	4,344	68.9	4,343	4,066	277	5.4	1,975	1,778	49	33	115
45 to 49 years .....	3,796	67.0	3,796	3,590	205	5.4	1,370	1,566	17	60	127
50 to 54 years .....	3,424	58.2	3,424	3,231	193	5.6	2,456	2,146	14	61	235
55 to 64 years .....	4,872	41.7	4,872	4,641	231	4.7	6,815	5,564	16	252	883
55 to 59 years .....	3,030	50.0	3,030	2,886	144	4.8	3,333	2,370	9	138	346
60 to 64 years .....	1,842	32.8	1,842	1,755	87	4.7	3,782	3,093	7	143	538
65 years and over .....	1,257	8.4	1,257	1,232	54	4.3	13,722	9,378	6	592	3,246
65 to 69 years .....	770	15.7	770	735	35	4.5	4,128	3,183	3	113	829
70 years and over .....	486	4.3	486	467	19	4.0	3,594	6,594	4	479	2,417
<b>White</b>											
16 years and over .....	40,966	52.3	40,833	37,599	3,233	7.9	37,331	27,991	3,457	895	4,958
16 to 21 years .....	5,926	58.5	5,873	4,936	937	15.5	4,213	383	2,860	9	361
16 to 19 years .....	3,514	53.6	3,495	2,813	682	13.5	3,343	408	2,411	5	219
16 to 17 years .....	1,329	42.2	1,323	1,027	302	22.7	1,823	127	1,608	--	89
18 to 19 years .....	2,185	64.2	2,166	1,786	380	17.6	1,220	282	803	4	130
20 to 64 years .....	36,327	62.5	36,212	33,711	2,501	6.9	21,824	19,517	1,041	418	1,848
20 to 24 years .....	6,403	70.9	6,339	5,658	682	10.8	2,625	1,552	707	22	245
25 to 54 years .....	25,595	66.1	25,543	23,925	1,618	5.3	13,139	11,760	320	199	861
25 to 29 years .....	11,224	67.5	11,173	10,356	822	7.4	5,435	4,847	205	49	335
30 to 34 years .....	8,127	67.3	8,122	7,653	470	5.8	3,954	3,552	93	57	242
35 to 44 years .....	6,244	62.3	6,243	5,917	326	5.2	3,779	3,351	22	93	313
55 to 64 years .....	4,330	41.7	4,330	4,127	202	4.7	6,061	5,106	15	198	743
55 to 59 years .....	2,695	50.3	2,695	2,559	126	4.7	2,665	2,295	9	80	290
60 to 64 years .....	1,635	32.5	1,635	1,559	76	4.7	3,336	2,310	5	118	453
65 years and over .....	1,125	8.3	1,125	1,075	50	4.4	12,433	9,065	5	472	2,891
<b>Black and other</b>											
16 years and over .....	6,700	53.4	6,646	5,592	1,054	15.9	5,845	3,544	1,053	236	911
16 to 21 years .....	807	38.4	786	484	302	38.5	1,296	275	878	4	140
16 to 19 years .....	441	31.8	433	233	200	45.2	946	120	745	--	81
16 to 17 years .....	144	21.3	143	75	69	47.8	531	26	478	--	26
18 to 19 years .....	298	41.8	290	158	131	45.4	415	93	267	--	55
20 to 64 years .....	6,127	62.9	6,081	5,231	849	14.0	3,610	2,713	307	117	474
20 to 24 years .....	1,042	58.7	1,015	753	262	25.8	735	408	196	9	121
25 to 54 years .....	4,543	68.2	4,524	3,955	559	12.4	2,121	1,746	109	53	212
25 to 29 years .....	2,104	67.9	2,086	1,729	357	17.1	997	315	72	10	100
30 to 34 years .....	1,463	71.7	1,462	1,332	129	3.8	577	471	29	14	53
35 to 44 years .....	976	64.1	975	934	42	7.4	548	460	9	29	50
55 to 64 years .....	543	41.9	543	514	29	5.3	754	558	2	54	140
55 to 59 years .....	335	47.6	335	317	18	5.3	358	275	--	28	66
60 to 64 years .....	208	35.0	208	197	11	5.2	386	283	2	26	75
65 years and over .....	132	9.3	132	127	5	3.6	1,299	812	1	120	356

## HOUSEHOLD DATA

## A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>MALES</b>								
16 years and over	63,951	64,422	77.7	77.3	51,998	62,435	77.1	76.7
16 to 19 years	4,941	4,726	58.8	57.9	4,651	4,463	57.4	56.5
16 to 17 years	1,881	1,816	45.6	45.0	1,358	1,806	45.4	45.9
18 to 19 years	3,060	2,910	71.6	69.0	2,792	2,661	69.7	67.1
20 to 24 years	9,383	9,285	86.4	85.1	8,641	8,521	85.4	84.0
25 to 54 years	40,468	41,301	94.6	94.4	39,539	40,339	94.4	94.2
25 to 34 years	18,136	18,434	95.4	95.1	17,510	17,786	95.3	94.9
35 to 44 years	12,366	13,000	95.5	95.6	12,099	12,723	95.4	95.5
45 to 54 years	9,966	9,857	91.9	91.5	9,931	9,831	91.9	91.6
55 to 64 years	7,258	7,205	71.6	70.6	7,257	7,204	71.6	70.6
55 to 59 years	4,460	4,462	82.2	82.7	4,458	4,461	82.2	82.7
60 to 64 years	2,798	2,743	59.4	57.0	2,798	2,743	59.4	57.0
65 years and over	1,901	1,904	18.8	18.4	1,901	1,904	18.8	18.4
<b>White</b>								
16 years and over	56,411	56,708	78.5	78.1	54,905	55,181	78.1	77.6
16 to 19 years	4,321	4,153	61.8	61.3	4,106	3,960	60.6	60.1
16 to 17 years	1,661	1,652	48.4	50.3	1,550	1,644	48.2	50.2
18 to 19 years	2,660	2,511	74.7	71.6	2,456	2,315	73.1	70.0
20 to 24 years	8,063	7,947	87.9	86.4	7,514	7,382	87.1	85.5
25 to 54 years	35,680	35,321	95.4	95.2	34,933	35,564	95.3	95.1
25 to 34 years	15,846	16,055	96.2	95.9	15,359	15,560	96.1	95.8
35 to 44 years	10,916	11,474	96.4	96.3	10,592	11,243	96.3	96.2
45 to 54 years	8,918	8,792	92.9	92.6	8,387	8,760	92.9	92.6
55 to 64 years	6,627	6,554	72.5	71.3	6,626	6,552	72.5	71.3
55 to 59 years	4,073	4,049	83.4	83.6	4,072	4,048	83.4	83.6
60 to 64 years	2,554	2,504	60.0	57.6	2,554	2,504	60.0	57.5
65 years and over	1,720	1,724	18.8	18.5	1,720	1,724	18.8	18.5
<b>Black and other</b>								
16 years and over	7,540	7,714	72.0	71.8	7,094	7,254	70.7	70.5
16 to 19 years	620	563	44.1	41.0	555	508	41.4	38.5
16 to 17 years	220	153	31.6	24.7	219	162	31.5	24.6
18 to 19 years	400	400	56.2	56.1	337	345	51.9	52.5
20 to 24 years	1,320	1,338	78.7	78.5	1,127	1,139	75.9	75.7
25 to 54 years	4,788	4,980	88.6	88.7	4,501	4,775	88.2	88.3
25 to 34 years	2,290	2,379	90.1	89.7	2,150	2,225	89.5	89.1
35 to 44 years	1,451	1,526	89.5	90.5	1,406	1,480	89.2	90.3
45 to 54 years	1,048	1,075	84.5	84.1	1,044	1,070	84.5	84.1
55 to 64 years	631	651	63.1	63.8	631	651	63.1	63.8
55 to 59 years	387	413	70.9	74.5	386	413	70.9	74.5
60 to 64 years	244	239	53.7	51.2	244	239	53.7	51.2
65 years and over	181	180	18.3	17.5	181	180	18.3	17.5

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## A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>FEMALES</b>								
16 years and over	46,761	47,567	52.2	52.5	45,538	47,479	52.1	52.4
16 to 19 years	4,139	3,955	50.6	49.8	4,113	3,928	50.4	49.6
16 to 17 years	1,636	1,473	40.9	38.5	1,635	1,472	40.8	38.5
18 to 19 years	2,503	2,482	60.0	60.3	2,474	2,455	59.7	60.0
20 to 24 years	7,415	7,445	68.7	68.9	7,331	7,354	68.5	68.6
25 to 54 years	29,160	30,137	65.6	66.4	29,099	30,067	65.6	66.3
25 to 34 years	12,941	13,328	66.9	67.6	12,836	13,264	66.8	67.4
35 to 44 years	9,010	9,593	67.0	67.9	9,005	9,584	67.0	67.9
45 to 54 years	7,209	7,220	62.0	62.5	7,208	7,219	62.0	62.5
55 to 64 years	4,847	4,872	41.8	41.7	4,847	4,872	41.8	41.7
55 to 59 years	3,017	3,030	49.5	50.0	3,017	3,030	49.5	50.0
60 to 64 years	1,830	1,842	33.3	32.8	1,830	1,842	33.3	32.8
65 years and over	1,201	1,257	8.2	8.4	1,201	1,257	8.2	8.4
<b>White</b>								
16 years and over	40,339	40,956	52.1	52.3	40,213	40,833	52.0	52.3
16 to 19 years	3,697	3,514	54.3	53.6	3,577	3,495	54.1	53.5
16 to 17 years	1,490	1,329	48.7	42.2	1,490	1,329	44.6	42.2
18 to 19 years	2,207	2,185	63.5	64.2	2,187	2,166	63.3	64.0
20 to 24 years	6,358	6,403	70.6	70.9	6,297	6,339	70.4	70.7
25 to 54 years	24,881	25,595	65.4	66.1	24,836	25,543	65.4	66.0
25 to 34 years	10,929	11,224	66.7	67.5	10,939	11,178	66.7	67.4
35 to 44 years	7,696	8,127	66.7	67.3	7,592	8,122	66.7	67.3
45 to 54 years	6,256	6,244	61.8	62.3	6,256	6,243	61.8	62.3
55 to 64 years	4,322	4,330	41.8	41.7	4,322	4,330	41.8	41.7
55 to 59 years	2,695	2,695	49.8	50.3	2,695	2,695	49.8	50.3
60 to 64 years	1,627	1,635	33.0	32.5	1,627	1,635	33.0	32.5
65 years and over	1,081	1,125	8.2	8.3	1,081	1,125	8.2	8.3
<b>Black and other</b>								
16 years and over	6,423	6,700	52.7	53.4	6,375	6,645	52.6	53.2
16 to 19 years	442	441	32.4	31.8	433	433	31.9	31.4
16 to 17 years	146	144	21.8	21.3	146	143	21.8	21.3
18 to 19 years	296	298	42.4	41.8	287	290	41.7	41.1
20 to 24 years	1,057	1,042	59.4	58.7	1,033	1,015	58.9	58.0
25 to 54 years	4,278	4,543	66.8	68.2	4,262	4,524	66.7	68.1
25 to 34 years	2,012	2,104	67.5	67.9	1,997	2,085	67.3	67.7
35 to 44 years	1,314	1,463	68.7	71.7	1,313	1,462	63.7	71.7
45 to 54 years	952	975	62.9	64.1	952	975	62.9	64.1
55 to 64 years	525	543	42.1	41.9	525	543	42.1	41.9
55 to 59 years	323	335	47.0	47.6	323	335	47.0	47.6
60 to 64 years	203	208	36.0	35.0	203	208	36.0	35.0
65 years and over	121	132	8.8	9.3	121	132	8.8	9.3

## A-5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	May 1982						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
<b>TOTAL</b>							
16 years and over .....	11,174	9,167	208	8,959	2,007	18.0	7,368
16 to 19 years .....	772	398	22	377	373	48.4	1,483
16 to 17 years .....	241	113	11	102	123	53.1	892
18 to 19 years .....	531	285	11	274	246	46.3	601
20 to 24 years .....	1,775	1,266	16	1,250	510	28.7	917
25 to 54 years .....	7,394	6,372	127	6,244	1,022	13.8	2,159
25 to 34 years .....	3,449	2,801	45	2,757	648	18.8	969
35 to 44 years .....	2,313	2,071	44	2,025	242	10.5	559
45 to 54 years .....	1,631	1,500	38	1,461	131	8.0	632
55 to 64 years .....	980	903	28	375	77	7.8	952
55 to 59 years .....	609	553	18	535	56	9.2	430
60 to 64 years .....	370	350	10	340	20	5.5	522
65 years and over .....	254	228	15	213	25	10.1	1,856
<b>Males</b>							
16 years and over .....	5,740	4,664	161	4,503	1,076	18.7	2,524
16 to 19 years .....	412	215	14	203	195	47.3	686
16 to 17 years .....	125	57	7	49	58	54.4	433
18 to 19 years .....	287	159	7	153	128	44.6	253
20 to 24 years .....	922	648	9	639	274	29.7	299
25 to 54 years .....	3,744	3,208	94	3,113	535	14.3	508
25 to 34 years .....	1,768	1,442	34	1,408	326	18.4	206
35 to 44 years .....	1,149	1,012	31	979	138	12.0	126
45 to 54 years .....	826	755	28	725	71	8.6	177
55 to 64 years .....	528	477	28	448	51	9.7	320
55 to 59 years .....	338	296	18	279	42	12.4	119
60 to 64 years .....	189	181	10	170	8	4.2	201
65 years and over .....	136	114	15	100	22	16.2	710
<b>Females</b>							
16 years and over .....	5,434	4,503	47	4,455	931	17.1	4,844
16 to 19 years .....	360	182	8	174	178	49.5	797
16 to 17 years .....	116	56	4	53	50	51.5	449
18 to 19 years .....	244	126	4	121	119	48.5	348
20 to 24 years .....	853	618	7	611	235	27.6	618
25 to 54 years .....	3,650	3,164	33	3,131	487	13.3	1,651
25 to 34 years .....	1,681	1,353	11	1,349	322	19.1	753
35 to 44 years .....	1,164	1,053	13	1,047	104	9.0	433
45 to 54 years .....	805	745	10	735	60	7.5	455
55 to 64 years .....	452	426	--	427	26	5.7	632
55 to 59 years .....	271	257	--	257	14	5.2	311
60 to 64 years .....	181	169	--	170	12	5.5	321
65 years and over .....	118	114	--	113	4	3.7	1,146

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>TOTAL</b>								
Total noninstitutional population	171,955	174,231	73,924	75,227	81,453	82,868	16,579	15,135
Total labor force	113,713	112,089	59,011	59,896	42,623	43,712	9,080	8,631
Percent of population	64.4	64.3	79.8	79.4	52.3	52.7	54.8	53.9
Civilian labor force	103,536	109,914	57,338	57,963	42,473	43,550	8,770	8,396
Employed	100,855	99,957	53,937	53,309	39,775	40,144	7,143	6,504
Agriculture	3,497	3,589	2,437	2,513	631	564	429	412
Nonagricultural industries	97,359	96,368	51,501	50,796	39,145	39,480	6,713	5,092
Unemployed	7,731	9,957	3,400	4,659	2,703	3,406	1,627	1,392
Percent of labor force	7.1	9.1	5.9	8.0	5.4	7.8	18.6	22.5
Not in labor force	61,243	62,113	14,913	15,531	38,830	39,157	7,500	7,424
<b>White</b>								
Total noninstitutional population	149,332	150,911	64,853	65,855	70,542	71,710	13,807	13,345
Total labor force	95,750	97,674	52,090	52,545	35,642	37,452	8,018	7,677
Percent of population	64.8	64.7	80.3	79.8	51.9	52.2	58.1	57.5
Civilian labor force	95,117	96,014	50,799	51,221	36,536	37,337	7,782	7,455
Employed	89,134	88,348	48,141	47,583	34,519	34,766	6,475	5,979
Agriculture	3,231	3,309	2,224	2,313	598	508	409	388
Nonagricultural industries	85,903	85,039	45,917	45,269	33,923	34,178	6,066	5,592
Unemployed	5,983	7,655	2,657	3,639	2,013	2,551	1,302	1,476
Percent of labor force	5.3	8.0	5.2	7.1	5.5	5.8	16.8	19.8
Not in labor force	52,552	53,236	12,763	13,311	34,000	34,257	5,789	5,668
<b>Black and other</b>								
Total noninstitutional population	22,654	23,291	9,070	9,371	10,811	11,159	2,772	2,761
Total labor force	13,963	14,414	6,920	7,151	5,381	6,259	1,062	1,004
Percent of population	61.5	61.9	76.3	76.3	55.3	55.1	38.3	36.4
Civilian labor force	13,468	13,900	6,539	6,745	5,942	6,213	988	941
Employed	11,721	11,610	5,736	5,726	5,257	5,358	668	525
Agriculture	265	231	212	200	32	56	21	25
Nonagricultural industries	11,456	11,379	5,524	5,527	5,225	5,302	647	500
Unemployed	1,747	2,291	743	1,020	685	954	320	415
Percent of labor force	13.0	16.5	11.4	15.1	11.5	13.8	32.4	44.2
Not in labor force	3,591	8,876	2,150	2,220	4,830	4,899	1,710	1,757



## A-7. Employment status of the noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

Employment status and major activity	May 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
<b>TOTAL</b>									
Total noninstitutional population .....	24,773	12,536	12,242	20,533	10,449	10,139	4,190	2,037	2,133
Total labor force .....	14,987	8,253	6,733	13,073	7,153	5,926	1,908	1,131	837
Percent of population .....	60.5	65.8	55.0	53.5	63.5	58.5	45.5	52.7	38.4
<b>Civilian labor force</b> .....	14,235	7,620	6,665	12,547	5,668	5,879	1,738	352	736
Employed .....	11,434	5,344	5,390	10,353	5,452	4,906	1,076	592	484
Agriculture .....	573	430	99	545	456	90	33	24	3
Nonagricultural industries .....	10,855	5,564	5,291	9,812	4,996	4,815	1,043	553	475
Unemployed .....	2,851	1,576	1,275	2,139	1,216	973	662	359	332
Looking for full-time work .....	2,055	1,184	871	1,535	895	641	519	289	230
Looking for part-time work .....	795	392	404	653	321	332	143	73	72
Percent of labor force .....	23.3	23.7	19.1	17.4	18.2	16.5	38.1	37.8	38.5
Not in labor force .....	9,791	4,233	5,509	7,539	3,296	4,213	2,282	985	1,236
<b>Major activity: going to school</b>									
Civilian labor force .....	4,511	2,327	2,185	4,014	2,079	1,935	497	247	250
Employed .....	3,442	1,742	1,700	3,137	1,623	1,564	255	119	136
Agriculture .....	215	194	32	202	174	28	13	10	4
Nonagricultural industries .....	3,225	1,558	1,668	2,935	1,449	1,536	242	109	132
Unemployed .....	1,070	585	485	827	456	370	243	128	114
Looking for full-time work .....	437	223	183	237	150	127	120	63	55
Looking for part-time work .....	653	361	301	540	296	243	123	65	58
Percent of labor force .....	23.7	25.1	22.2	20.5	21.9	19.1	48.8	51.9	45.8
Not in labor force .....	7,434	3,716	3,738	5,757	2,905	2,860	1,687	833	878
<b>Major activity: other</b>									
Civilian labor force .....	9,773	5,233	4,480	8,533	4,589	3,944	1,240	704	536
Employed .....	7,992	4,302	3,690	7,171	3,829	3,342	821	473	348
Agriculture .....	353	296	67	344	232	62	20	14	5
Nonagricultural industries .....	7,629	4,006	3,623	6,827	3,547	3,280	802	459	343
Unemployed .....	1,781	991	790	1,362	760	602	419	231	189
Looking for full-time work .....	1,543	960	688	1,249	735	514	399	225	174
Looking for part-time work .....	133	31	102	114	25	89	19	6	14
Percent of labor force .....	13.2	13.7	17.5	15.0	16.6	15.3	33.8	32.8	35.1
Not in labor force .....	2,333	567	1,771	1,742	333	1,353	595	177	418

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## A-8. Full- and part-time status of the civilian labor force by sex, age, and race

(Numbers in thousands)

Sex, age, and race	May 1982								
	Full-time labor force				Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part-time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>2</sup>	Part-time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Both sexes, 16 years and over.....	93,493	73,141	5,808	8,544	3.1	15,421	15,009	1,413	8.6
16 to 21 years.....	8,620	5,377	1,188	2,055	23.3	5,655	4,869	796	14.0
16 to 19 years.....	3,874	2,023	646	1,205	31.1	4,522	3,836	687	15.2
16 to 17 years.....	688	230	136	321	45.7	2,591	2,098	493	19.0
18 to 19 years.....	3,186	1,792	510	884	27.7	1,931	1,738	194	10.0
20 years and over.....	89,619	77,113	5,152	7,339	8.2	11,899	11,173	726	6.1
20 to 24 years.....	13,642	13,427	1,134	2,032	14.9	2,233	2,029	204	9.2
25 years and over.....	75,977	66,692	3,978	5,307	7.0	9,665	9,145	521	5.4
25 to 54 years.....	63,768	55,798	3,250	4,720	7.4	6,533	6,239	399	6.0
55 years and over.....	12,209	10,893	729	587	4.8	3,028	2,906	122	4.0
<b>Males, 16 years and over.....</b>	<b>57,138</b>	<b>49,069</b>	<b>2,956</b>	<b>5,114</b>	<b>8.9</b>	<b>5,297</b>	<b>4,742</b>	<b>555</b>	<b>10.5</b>
16 to 21 years.....	4,889	3,062	643	1,184	24.2	2,731	2,339	392	14.4
16 to 19 years.....	2,187	1,181	350	656	30.3	2,281	1,926	354	15.5
20 years and over.....	54,952	47,888	2,606	4,458	3.1	3,015	2,816	201	6.7
20 to 24 years.....	7,681	5,815	631	1,235	15.1	840	782	57	6.8
25 years and over.....	47,269	42,073	1,975	3,224	6.8	2,177	2,033	144	6.6
25 to 54 years.....	39,427	34,942	1,627	2,859	7.3	911	828	83	9.1
55 years and over.....	7,842	7,131	347	365	4.7	1,255	1,205	60	4.7
<b>Females, 16 years and over.....</b>	<b>36,354</b>	<b>30,072</b>	<b>2,852</b>	<b>3,430</b>	<b>9.4</b>	<b>11,125</b>	<b>10,267</b>	<b>858</b>	<b>7.7</b>
16 to 21 years.....	3,731	2,315	545	871	23.3	2,934	2,530	404	13.8
16 to 19 years.....	1,687	842	296	549	32.6	2,242	1,909	333	14.8
20 years and over.....	34,667	29,230	2,556	2,881	8.3	8,883	8,357	525	5.9
20 to 24 years.....	5,961	4,612	552	797	13.4	1,394	1,246	147	10.6
25 years and over.....	28,706	24,619	2,005	2,083	7.3	7,489	7,111	378	5.0
25 to 54 years.....	24,341	20,855	1,623	1,861	7.6	5,726	5,412	315	5.5
55 years and over.....	4,366	3,762	391	222	5.1	1,753	1,700	63	3.6
<b>White</b>									
<b>Males, 16 years and over.....</b>	<b>50,472</b>	<b>43,983</b>	<b>2,508</b>	<b>3,981</b>	<b>7.9</b>	<b>4,709</b>	<b>4,258</b>	<b>451</b>	<b>9.6</b>
16 to 21 years.....	4,211	2,755	560	895	21.3	2,457	2,136	321	13.1
16 to 19 years.....	1,890	1,071	314	595	25.7	2,073	1,781	289	14.0
20 years and over.....	48,582	42,912	2,194	3,476	7.2	2,639	2,477	162	6.2
20 to 24 years.....	6,645	5,191	526	927	14.0	737	690	47	6.3
25 years and over.....	41,938	37,720	1,668	2,549	6.1	1,902	1,787	116	6.1
25 to 54 years.....	34,800	31,185	1,370	2,245	6.5	764	691	73	9.6
55 years and over.....	7,137	6,535	298	303	4.2	1,139	1,096	44	3.9
<b>Females, 16 years and over.....</b>	<b>30,649</b>	<b>25,761</b>	<b>2,359</b>	<b>2,529</b>	<b>8.3</b>	<b>10,183</b>	<b>9,479</b>	<b>705</b>	<b>6.9</b>
16 to 21 years.....	3,220	2,093	487	641	19.9	2,659	2,327	332	12.5
16 to 19 years.....	1,459	772	279	408	23.0	2,037	1,763	274	13.5
20 years and over.....	29,191	24,990	2,080	2,121	7.3	9,147	7,716	431	5.3
20 to 24 years.....	5,098	4,066	467	564	11.1	1,242	1,124	118	9.5
25 years and over.....	24,092	20,924	1,613	1,557	6.5	5,905	6,592	313	4.5
25 to 54 years.....	20,228	17,558	1,310	1,361	6.7	5,315	5,058	257	4.8
55 years and over.....	3,864	3,365	322	196	5.1	1,591	1,535	55	3.5
<b>Black and other</b>									
<b>Males, 16 years and over.....</b>	<b>6,666</b>	<b>5,085</b>	<b>448</b>	<b>1,133</b>	<b>17.3</b>	<b>588</b>	<b>484</b>	<b>104</b>	<b>17.6</b>
16 to 21 years.....	678	306	83	289	42.6	274	203	70	25.8
16 to 19 years.....	297	110	36	151	50.7	211	145	65	31.0
20 years and over.....	6,369	4,976	412	982	15.4	377	339	38	10.2
20 to 24 years.....	1,036	623	135	308	29.7	133	92	11	10.3
25 years and over.....	5,333	4,352	307	674	12.5	275	247	28	10.2
25 to 54 years.....	4,627	3,757	257	613	13.2	149	137	12	8.1
55 years and over.....	706	595	50	60	8.5	127	110	17	13.4
<b>Females, 16 years and over.....</b>	<b>5,705</b>	<b>4,311</b>	<b>433</b>	<b>901</b>	<b>15.8</b>	<b>941</b>	<b>788</b>	<b>153</b>	<b>16.3</b>
16 to 21 years.....	511	222	58	230	45.1	275	203	72	26.2
16 to 19 years.....	228	70	17	141	62.3	235	146	59	28.6
20 years and over.....	5,477	4,241	476	760	13.9	736	642	95	12.8
20 to 24 years.....	863	545	85	233	25.9	152	122	30	19.5
25 years and over.....	4,613	3,695	391	528	11.4	585	520	65	11.1
25 to 54 years.....	4,111	3,298	313	501	12.2	412	354	58	14.1
55 years and over.....	502	397	78	27	5.4	173	166	7	4.0

<sup>1</sup> Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

**A-9. Employment status of the noninstitutional population by family relationship**

[Numbers in thousands]

Family relationship	May 1982									
	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, 16 years and over</b> .....	109,914	63.9	99,597	9,957	9.1	62,113	31,967	9,113	2,722	18,310
Husbands .....	39,810	80.2	37,502	2,308	5.8	9,816	111	191	936	8,579
With employed wife .....	22,017	92.0	20,885	1,131	5.1	1,922	41	121	310	1,450
With unemployed wife .....	1,526	92.4	1,219	307	20.1	125	3	5	37	80
With wife not in labor force .....	16,267	67.7	15,397	869	5.3	7,769	67	64	589	7,049
Wives .....	25,591	51.6	23,939	1,651	6.5	24,036	21,405	285	311	2,035
With employed husband .....	22,105	58.9	20,885	1,219	5.5	15,397	14,258	245	87	807
With unemployed husband .....	1,439	62.3	1,131	307	21.4	869	813	5	11	41
With husband not in labor force .....	2,047	20.9	1,922	125	6.1	7,769	6,334	35	213	1,187
Relatives in married-couple families .....	13,616	61.3	11,214	2,402	17.6	8,583	983	5,867	278	1,455
16 to 19 years .....	5,713	53.3	4,532	1,181	20.7	4,997	141	4,513	10	332
20 to 24 years .....	5,130	73.8	4,311	819	16.0	1,825	183	1,238	28	376
25 years and over .....	2,773	61.2	2,371	402	14.5	1,761	659	116	240	747
Females who maintain families .....	5,681	59.9	5,052	630	11.1	3,810	2,916	131	145	618
Relatives in families maintained by females .....	4,728	56.5	3,604	1,123	23.8	3,635	780	1,673	254	928
16 to 19 years .....	1,416	46.9	975	441	31.2	1,606	91	1,344	8	162
20 to 24 years .....	1,510	71.2	1,128	381	25.3	612	119	280	24	189
25 years and over .....	1,802	56.0	1,501	301	16.7	1,417	570	49	222	577
Males who maintain families .....	1,874	77.1	1,718	157	8.4	558	23	33	64	437
Relatives in families maintained by males .....	1,466	59.7	1,225	241	16.4	991	378	295	62	257
16 to 19 years .....	301	52.9	225	76	25.3	268	14	215	-	39
20 to 24 years .....	424	77.6	343	81	19.2	122	32	67	1	22
25 years and over .....	741	55.2	657	84	11.3	601	332	13	61	196
Persons living alone .....	10,562	54.2	9,843	719	6.8	8,932	4,814	230	534	3,354
Males .....	5,434	71.9	4,970	464	8.5	2,125	108	157	216	1,645
Females .....	5,128	43.0	4,873	255	5.0	6,806	4,707	73	318	1,709
All others <sup>1</sup> .....	6,586	79.0	5,860	726	11.0	1,752	557	408	138	647

<sup>1</sup> The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

**A-10. Unemployed persons by marital status, race, age, and sex**

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>Total, 16 years and over</b> .....	4,256	5,669	6.3	9.1	3,474	4,288	7.5	9.3
Married, spouse present .....	1,630	2,428	3.9	5.0	1,335	1,754	5.2	6.7
Widowed, divorced, or separated .....	472	659	8.5	11.8	692	847	7.5	9.1
Single (never married) .....	2,184	2,582	13.9	16.1	1,447	1,686	12.2	13.9
<b>White, 16 years and over</b> .....	3,335	4,432	6.1	8.0	2,649	3,233	6.6	7.9
Married, spouse present .....	1,340	2,007	3.5	5.4	1,143	1,442	5.0	6.2
Widowed, divorced, or separated .....	351	504	7.3	10.9	539	647	6.9	8.5
Single (never married) .....	1,644	1,921	12.2	14.0	997	1,144	10.0	11.3
<b>Black and other, 16 years and over</b> .....	922	1,236	13.0	17.0	825	1,054	13.0	15.9
Married, spouse present .....	250	421	6.9	10.7	192	312	7.3	11.0
Widowed, divorced, or separated .....	122	155	12.1	15.2	183	203	10.2	11.5
Single (never married) .....	540	661	23.2	27.8	450	542	23.3	26.1
<b>Total, 20 to 64 years of age</b> .....	3,351	4,598	6.3	8.2	2,652	3,352	6.4	7.9
Married, spouse present .....	1,546	2,357	4.3	6.0	1,254	1,661	5.1	6.5
Widowed, divorced, or separated .....	458	627	8.3	11.8	645	805	7.7	9.4
Single (never married) .....	1,347	1,614	12.0	13.9	751	886	9.4	10.5
<b>White, 20 to 64 years of age</b> .....	2,623	3,602	5.3	7.3	1,974	2,501	5.5	6.9
Married, spouse present .....	1,330	1,951	3.7	5.5	1,059	1,363	4.8	6.1
Widowed, divorced, or separated .....	343	487	8.3	11.1	471	639	7.3	8.8
Single (never married) .....	985	1,165	10.5	11.8	434	529	6.7	7.8
<b>Black and other, 20 to 64 years of age</b> .....	727	996	11.4	15.2	678	849	11.5	14.0
Married, spouse present .....	246	406	6.3	10.7	195	297	7.2	10.8
Widowed, divorced, or separated .....	119	140	12.3	15.3	176	196	10.2	11.9
Single (never married) .....	362	449	20.3	24.1	317	357	20.8	21.4

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## A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
Total, 16 years and over	7,731	9,957	7.1	9.1	6.9	9.1	7.5	9.0
White-collar workers	2,395	2,581	3.3	4.5	2.7	3.6	4.7	5.4
Professional and technical	420	531	2.5	3.0	2.0	2.5	3.1	3.7
Managers and administrators, except farm	310	421	2.7	3.6	2.0	3.2	4.3	4.5
Sales workers	309	349	4.5	5.1	3.3	4.4	6.0	5.9
Clerical workers	1,058	1,281	5.3	5.4	5.3	6.5	5.4	6.4
Blue-collar workers	3,339	4,482	9.5	13.0	8.9	12.4	12.2	15.4
Craft and kindred workers	997	1,274	7.2	9.4	7.2	9.3	6.4	9.5
Carpenters and other construction craft workers	514	596	12.1	14.2	12.1	14.2	13.3	16.2
All other	483	678	5.0	7.2	5.0	7.0	5.7	9.0
Operatives, except transport	1,331	1,833	11.5	15.1	10.0	15.4	13.7	17.2
Transport equipment operatives	295	422	7.5	11.0	7.8	11.3	5.7	9.0
Nonfarm laborers	676	953	12.3	15.8	12.3	17.1	12.2	14.7
Construction laborers	193	258	18.1	25.7	17.8	25.5	(1)	(1)
All other	433	695	10.9	14.9	10.8	15.0	11.5	13.9
Service workers	1,257	1,586	8.5	10.4	9.7	10.7	7.9	10.1
Private household	48	58	4.7	5.8	(1)	(1)	4.5	5.4
All other	1,219	1,528	8.3	10.7	9.7	10.7	8.4	10.7
Farm workers	112	186	3.3	5.2	3.2	5.9	6.3	7.3
No previous work experience	916	1,123	--	--	--	--	--	--
16 to 19 years	670	821	--	--	--	--	--	--
20 to 24 years	156	201	--	--	--	--	--	--
25 years and over	91	101	--	--	--	--	--	--

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

## A-12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
Total, 16 years and over	100.0	100.0	7.1	9.1	6.9	9.1	7.5	9.0
Nonagricultural private wage and salary workers	75.5	77.2	7.3	9.5	7.2	10.0	7.5	9.0
Mining	.9	1.3	5.3	11.1	6.3	12.1	3.3	5.5
Construction	9.7	9.2	14.5	17.7	14.8	18.5	11.5	8.3
Manufacturing	23.0	25.3	7.5	11.2	6.1	10.3	10.6	13.0
Durable goods	12.7	15.6	7.0	11.7	6.0	11.3	9.9	12.5
Lumber and wood products	1.0	1.0	10.3	14.8	9.3	14.9	20.4	13.3
Furniture and fixtures	.3	.7	4.9	12.9	4.4	11.4	6.0	16.0
Stone, clay, and glass products	.7	.6	7.7	11.1	6.3	9.9	13.1	14.5
Primary metal industries	.8	2.2	4.3	13.7	4.1	18.7	9.5	18.2
Fabricated metal products	1.8	2.1	8.7	14.0	8.2	14.3	10.2	13.3
Machinery, except electrical equipment	2.2	2.7	5.7	9.6	4.8	9.7	8.8	9.0
Electrical equipment	2.1	1.9	6.4	7.5	3.7	6.2	9.7	9.3
Transportation equipment	2.5	3.0	8.5	13.5	3.1	12.5	10.3	18.0
Automobiles	1.7	1.8	11.0	15.7	9.4	14.9	20.0	25.4
Other transportation equipment	.9	1.1	5.9	10.4	5.7	10.1	2.3	10.3
Instruments and related products	.5	.6	5.3	3.9	3.5	5.6	7.5	13.8
Other durable goods industries	.9	.9	8.7	11.9	5.8	9.1	11.8	16.2
Nondurable goods	10.3	9.7	8.5	10.6	6.4	8.5	11.4	13.5
Food and kindred products	2.1	2.2	8.7	11.2	6.9	9.1	13.0	16.0
Textile mill products	1.1	1.1	10.1	13.0	9.5	12.7	10.8	13.3
Apparel and other textile products	2.3	2.3	12.3	17.0	8.5	12.2	13.4	18.2
Paper and allied products	.5	.5	4.3	7.6	3.7	6.3	8.4	11.7
Printing and publishing	1.4	1.1	5.9	7.0	6.3	7.8	7.5	5.8
Chemicals and allied products	.9	.9	5.2	5.9	4.5	3.9	6.7	11.0
Rubber and plastics products	1.1	.8	11.5	12.5	6.3	10.1	19.0	16.1
Other nondurable goods industries	.3	.8	9.5	12.0	8.9	13.4	10.3	10.1
Transportation and public utilities	4.2	3.7	5.5	5.4	6.1	6.8	4.1	5.3
Railroads and railway express	.5	.6	6.5	12.0	6.8	12.4	(1)	(1)
Other transportation	2.7	2.4	7.5	3.9	9.3	9.2	5.4	7.7
Communication and other public utilities	1.0	.8	3.1	2.9	3.0	2.5	3.2	3.6
Wholesale and retail trade	19.9	20.5	7.3	10.0	7.0	9.3	8.7	10.7
Finance, insurance, and real estate	2.3	2.4	3.0	4.1	2.5	3.6	3.4	4.5
Service industries	15.6	14.8	6.5	7.5	7.1	8.2	6.1	7.1
Professional services	6.6	6.0	4.5	5.3	4.3	5.0	4.7	5.5
All other service industries	9.1	8.8	9.2	10.5	9.5	10.8	8.9	10.2
Agricultural wage and salary workers	1.7	2.5	8.0	13.6	7.3	13.2	10.5	15.1
All other classes of workers	10.9	9.0	3.2	3.4	3.1	3.0	3.4	3.9
No previous work experience	11.8	11.3	--	--	--	--	--	--

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

A-13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed, in thousands.....	7,731	9,957	3,400	4,659	2,703	3,406	1,627	1,392	5,383	7,665	1,747	2,231
Job losers.....	3,842	5,647	2,302	3,575	1,214	1,690	326	382	3,025	4,456	817	1,191
On layoff.....	1,213	1,770	750	1,123	403	574	60	73	1,333	1,484	179	235
Other job losers.....	2,629	3,377	1,552	2,452	811	1,116	266	309	1,392	2,972	638	905
Job leavers.....	932	815	385	310	394	353	152	151	753	683	158	132
Reentrants.....	2,043	2,332	619	677	944	1,153	481	547	1,541	1,749	532	633
New entrants.....	914	1,113	95	97	151	204	669	812	653	779	261	334
<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.....	49.7	56.7	67.7	76.7	44.9	49.7	20.1	20.2	50.6	58.2	46.8	52.0
On layoff.....	15.7	17.3	22.1	24.1	14.9	15.9	3.7	3.9	17.3	19.4	10.3	12.5
Other job losers.....	34.0	33.9	45.5	52.6	30.0	32.3	16.4	15.3	33.3	38.9	36.5	39.5
Job leavers.....	12.1	8.2	11.3	6.7	14.6	10.4	9.3	8.0	12.8	8.9	9.6	5.3
Reentrants.....	26.4	23.9	18.2	14.5	34.9	34.0	29.5	28.9	25.8	22.8	28.7	27.5
New entrants.....	11.8	11.2	2.3	2.1	5.5	6.0	41.1	42.9	10.9	10.2	14.9	14.5
<b>UNEMPLOYMENT RATE</b>												
Total unemployment rate.....	7.1	9.1	5.9	3.0	6.4	7.3	18.6	22.5	5.3	8.0	13.0	16.5
Job loser rate <sup>1</sup> .....	3.5	5.1	4.0	6.1	2.8	3.9	3.7	4.6	3.2	4.6	6.0	8.5
Job leaver rate <sup>1</sup> .....	.9	.7	.7	.5	.9	.3	1.7	1.8	.8	.7	1.3	1.0
Reentrant rate <sup>1</sup> .....	1.9	2.2	1.1	1.2	2.2	2.7	5.5	6.5	1.6	1.8	3.7	4.5
New entrant rate <sup>1</sup> .....	.8	1.0	.2	.2	.4	.5	7.5	9.7	.7	.8	1.9	2.4

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

A-14. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

[Percent distribution]

Reason, sex, and age	May 1982						
	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
<b>Total, 16 years and over.....</b>	9,957	100.0	37.0	27.1	35.9	19.4	17.5
Job losers.....	5,647	100.0	28.5	27.6	44.0	22.7	21.3
On layoff.....	1,770	100.0	39.0	25.8	35.2	19.8	15.4
Other job losers.....	3,877	100.0	23.6	23.4	48.0	24.0	24.0
Job leavers.....	815	100.0	39.7	25.7	33.7	16.6	17.1
Reentrants.....	2,382	100.0	49.7	26.2	24.0	12.8	11.2
New entrants.....	1,113	100.0	51.5	25.6	21.9	10.0	11.8
<b>Males, 20 years and over.....</b>	4,659	100.0	29.5	26.6	43.3	22.3	21.5
Job losers.....	3,575	100.0	26.7	26.1	47.2	24.5	22.6
On layoff.....	1,123	100.0	37.7	23.9	38.4	22.8	15.6
Other job losers.....	2,452	100.0	21.7	27.1	51.2	25.4	25.8
Job leavers.....	310	100.0	34.5	26.5	39.0	15.8	23.2
Reentrants.....	677	100.0	40.0	30.3	29.3	14.8	14.9
New entrants.....	97	100.0	44.2	21.0	34.9	15.3	19.6
<b>Females, 20 years and over.....</b>	3,406	100.0	39.7	23.1	32.3	16.5	15.8
Job losers.....	1,690	100.0	29.7	29.8	40.4	20.3	20.1
On layoff.....	574	100.0	39.9	28.8	31.3	15.5	15.7
Other job losers.....	1,116	100.0	24.5	30.4	45.1	22.7	22.4
Job leavers.....	353	100.0	38.8	31.0	30.2	16.5	13.7
Reentrants.....	1,153	100.0	52.4	24.6	23.0	12.3	10.7
New entrants.....	204	100.0	51.1	23.2	20.7	8.2	12.4
<b>Both sexes, 16 to 19 years.....</b>	1,892	100.0	50.3	26.4	22.3	12.2	10.6
Job losers.....	382	100.0	38.9	31.8	29.3	15.8	13.5
On layoff.....	73	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers.....	309	100.0	35.6	31.8	32.5	17.8	14.8
Job leavers.....	151	100.0	52.3	15.8	31.0	18.6	12.4
Reentrants.....	547	100.0	55.1	24.7	19.1	11.2	7.9
New entrants.....	812	100.0	52.5	25.9	20.6	9.9	10.8

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

**HOUSEHOLD DATA**

**A-15. Unemployed jobseekers by sex, age, race, and jobsearch methods used**

Sex, age, and race	1982								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
<b>Total, 16 years and over</b> .....	9,957	8,051	25.7	5.6	77.4	33.4	16.6	4.9	1.64
16 to 19 years .....	1,892	1,793	16.6	2.7	81.9	25.9	14.8	3.7	1.47
20 to 24 years .....	2,236	1,845	27.9	6.7	79.3	33.4	13.0	3.1	1.63
25 to 34 years .....	2,801	2,205	30.6	6.7	75.6	33.4	20.7	5.4	1.77
35 to 44 years .....	1,399	1,035	27.9	5.1	74.4	35.8	14.4	6.9	1.65
45 to 54 years .....	919	577	29.4	6.9	74.6	31.8	18.9	5.2	1.69
55 to 64 years .....	594	426	20.7	6.3	74.4	29.6	18.1	9.3	1.59
65 years and over .....	116	59	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Males, 16 years and over</b> .....	5,669	4,407	28.0	5.3	78.7	31.2	18.4	5.9	1.67
16 to 19 years .....	1,010	937	15.8	2.5	82.4	27.4	15.8	3.5	1.47
20 to 24 years .....	1,292	1,029	31.0	7.3	80.3	30.1	14.4	3.1	1.66
25 to 34 years .....	1,621	1,209	34.2	6.1	78.4	37.1	22.5	6.0	1.84
35 to 44 years .....	800	563	33.0	4.5	73.4	31.1	17.9	10.7	1.71
45 to 54 years .....	521	334	29.2	5.2	78.1	29.7	18.8	3.9	1.70
55 to 64 years .....	363	243	20.6	4.5	74.1	25.9	22.2	12.3	1.63
65 years and over .....	61	43	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>Females, 16 years and over</b> .....	4,288	3,644	23.0	6.0	75.9	36.0	14.5	3.8	1.59
16 to 19 years .....	882	856	17.3	3.0	81.4	26.3	13.6	4.0	1.45
20 to 24 years .....	944	817	24.0	6.0	78.0	37.6	11.4	3.2	1.60
25 to 34 years .....	1,180	995	26.3	7.4	72.3	40.2	18.5	4.7	1.69
35 to 44 years .....	599	472	21.8	5.7	75.6	43.4	10.2	2.3	1.59
45 to 54 years .....	398	294	29.9	8.8	69.7	34.4	19.0	2.7	1.65
55 to 64 years .....	231	183	20.8	9.3	74.9	34.4	12.0	7.1	1.58
65 years and over .....	54	26	(1)	(1)	(1)	(1)	(1)	(1)	(1)
<b>White, 16 years and over</b> .....	7,666	5,054	23.2	5.5	73.5	35.5	16.6	4.7	1.64
Males .....	4,432	3,354	25.2	5.3	79.8	33.5	18.1	5.9	1.68
Females .....	3,233	2,689	20.7	5.8	76.9	38.1	14.8	3.2	1.60
<b>Black and other, 16 years and over</b> .....	2,291	1,997	33.2	5.9	74.1	26.8	16.7	5.6	1.62
Males .....	1,236	1,042	36.8	5.2	75.1	23.7	19.4	5.9	1.65
Females .....	1,054	955	29.5	6.8	73.0	30.2	13.7	5.2	1.58

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

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

**A-16. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used**

Sex and reason	1982								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
<b>Total, 16 years and over</b> .....	9,957	8,051	25.7	5.6	77.4	33.4	16.6	4.9	1.64
Job losers .....	5,647	3,875	33.1	6.3	79.0	34.6	18.9	5.2	1.77
Job leavers .....	815	815	25.7	6.4	77.2	40.3	12.9	3.4	1.65
Reentrants .....	2,382	2,262	19.0	5.7	73.5	32.1	15.4	5.1	1.52
New entrants .....	1,113	1,099	13.3	2.6	80.1	25.3	14.0	2.8	1.39
<b>Males, 16 years and over</b> .....	5,669	4,407	28.0	5.3	78.7	31.2	18.4	5.9	1.67
Job losers .....	3,843	2,655	34.2	5.8	79.4	32.2	13.6	6.1	1.77
Job leavers .....	378	368	26.9	6.0	74.5	41.0	14.1	4.6	1.67
Reentrants .....	966	909	18.8	5.0	76.9	27.2	18.9	7.7	1.54
New entrants .....	481	475	10.9	2.3	81.7	25.7	14.1	2.7	1.37
<b>Females, 16 years and over</b> .....	4,288	3,644	23.0	6.0	75.9	36.0	14.5	3.8	1.59
Job losers .....	1,804	1,221	30.7	7.3	78.1	43.0	17.4	3.1	1.75
Job leavers .....	437	443	24.8	6.7	79.2	40.0	12.1	2.5	1.65
Reentrants .....	1,415	1,352	19.2	6.3	71.4	35.4	13.1	5.2	1.51
New entrants .....	631	623	14.9	2.7	78.8	25.8	14.0	2.9	1.40

NOTE: See note, table A-15.

## A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
Total, 16 years and over .....	7,731	9,957	100.0	100.0	5,468	3,544	100.0	100.0
Less than 5 weeks .....	3,203	3,638	41.4	37.0	2,433	2,899	38.5	33.9
5 to 10 weeks .....	2,104	2,635	27.2	27.1	1,742	2,344	26.9	27.4
11 to 14 weeks .....	1,637	1,937	21.2	19.5	1,341	1,663	20.7	19.5
15 weeks and over .....	467	760	6.0	7.5	451	680	5.2	8.0
15 weeks and over .....	2,424	3,572	31.4	35.9	2,233	3,301	34.5	38.6
15 to 26 weeks .....	1,191	1,832	15.4	18.4	1,090	1,681	16.9	19.7
27 weeks and over .....	1,233	1,740	15.9	17.5	1,148	1,621	17.7	19.0
27 to 51 weeks .....	687	1,009	8.9	10.1	537	943	9.8	11.0
52 weeks and over .....	546	731	7.1	7.3	511	678	7.9	7.9
Average (mean) duration, in weeks .....	14.5	15.9	--	--	15.7	16.9	--	--
Median duration, in weeks .....	7.1	8.8	--	--	3.1	9.9	--	--

## A-18. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			May 1981	May 1982	May 1981	May 1982
	May 1982										
Total, 16 years and over .....	9,957	3,688	2,696	1,832	1,740	15.9	3.3	41.4	37.0	31.4	35.9
16 to 21 years .....	2,851	1,376	772	371	332	11.7	5.4	51.1	48.3	19.8	24.7
16 to 19 years .....	1,892	961	500	230	201	11.1	4.9	52.7	50.8	17.7	22.8
20 to 24 years .....	2,236	868	643	425	300	13.9	8.1	44.7	39.8	28.0	32.5
25 to 34 years .....	2,801	881	770	604	545	17.5	10.8	37.8	31.5	35.5	41.0
35 to 44 years .....	1,399	459	356	275	310	18.5	10.2	32.9	32.7	40.7	41.8
45 to 54 years .....	919	282	258	162	217	18.9	11.5	32.7	30.7	42.2	41.2
55 to 64 years .....	594	194	130	120	151	19.9	13.1	32.7	32.6	43.8	45.6
65 years and over .....	116	44	40	15	16	13.2	7.2	38.7	38.4	30.8	27.3
Males, 16 years and over .....	5,669	1,846	1,525	1,173	1,124	17.3	10.5	37.3	32.6	36.1	40.5
16 to 21 years .....	1,576	587	453	225	211	13.0	6.7	47.4	43.5	23.5	27.7
16 to 19 years .....	1,010	470	285	132	123	12.4	5.3	46.9	46.5	21.7	25.2
20 to 24 years .....	1,292	432	385	275	201	15.4	9.7	41.2	33.4	32.7	36.3
25 to 34 years .....	1,621	447	421	392	361	19.8	13.3	34.8	27.6	40.2	46.5
35 to 44 years .....	800	216	202	196	186	20.4	13.4	25.6	27.0	46.6	47.8
45 to 54 years .....	521	150	136	91	145	21.1	13.2	28.6	28.8	48.7	45.1
55 to 64 years .....	363	110	71	77	105	22.4	15.1	30.2	30.2	45.9	50.2
65 years and over .....	61	22	25	11	4	10.4	7.7	(1)	(1)	(1)	(1)
Females, 16 years and over .....	4,288	1,842	1,171	659	616	13.4	6.3	46.4	43.0	25.5	29.7
16 to 21 years .....	1,275	589	319	146	121	10.1	4.5	55.4	54.1	15.6	20.9
16 to 19 years .....	882	491	215	97	78	9.5	4.5	59.1	55.7	13.2	19.9
20 to 24 years .....	944	436	258	152	99	11.9	6.0	49.6	46.2	21.3	26.5
25 to 34 years .....	1,180	435	349	212	185	14.5	8.5	41.2	36.9	30.1	33.6
35 to 44 years .....	599	242	155	79	124	16.0	7.1	39.8	40.3	34.3	33.8
45 to 54 years .....	398	132	122	72	72	16.0	9.8	37.6	33.2	34.4	36.1
55 to 64 years .....	231	84	58	43	45	15.9	9.7	37.3	35.4	40.0	38.4
65 years and over .....	54	23	15	4	13	16.4	5.5	(1)	(1)	(1)	(1)
White, 16 years and over .....	7,666	2,875	2,065	1,429	1,297	15.4	8.5	42.8	37.5	30.0	35.5
Males .....	4,432	1,464	1,195	943	840	17.2	10.3	38.6	33.0	35.2	40.2
Females .....	3,233	1,411	880	485	457	13.1	6.5	48.2	43.6	23.5	29.2
Black and other, 16 years and over .....	2,291	913	631	403	443	17.3	9.5	36.6	35.5	35.9	36.9
Males .....	1,236	382	340	231	284	19.9	11.3	32.8	30.9	39.7	41.7
Females .....	1,054	432	291	173	159	14.3	7.5	40.8	40.9	31.8	31.4
Males, 16 years and over:											
Married, spouse present .....	2,428	692	685	522	529	19.1	12.1	33.1	28.5	43.0	43.3
Widowed, divorced, or separated .....	659	239	155	144	151	19.5	11.9	29.6	31.7	41.9	44.7
Single (never married) .....	2,582	945	685	508	444	16.0	9.1	42.1	36.6	29.8	36.9
Females, 16 years and over:											
Married, spouse present .....	1,754	702	495	291	266	13.9	7.3	45.2	40.0	27.9	31.8
Widowed, divorced, or separated .....	847	327	239	147	134	14.7	7.9	38.5	38.6	29.2	33.1
Single (never married) .....	1,686	812	437	220	216	12.2	5.4	51.4	48.2	21.5	25.9

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

# HOUSEHOLD DATA

## A-19. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			May 1981	May 1982	May 1981	May 1982
	May 1982										
<b>OCCUPATION</b>											
White-collar workers .....	2,581	1,333	725	432	415	14.9	8.0	41.5	39.1	33.0	32.9
Professional and managerial .....	952	345	230	142	173	15.1	8.5	39.2	36.3	31.4	33.2
Sales workers .....	349	122	85	84	59	17.1	13.2	49.6	34.9	26.3	40.5
Clerical workers .....	1,281	540	350	206	185	14.1	7.6	40.8	42.2	33.1	30.5
Blue-collar workers .....	4,482	1,314	1,200	1,000	366	18.5	12.0	37.0	29.3	33.5	43.9
Craft and kindred workers .....	1,274	388	360	262	254	17.7	10.3	34.7	30.5	39.4	41.3
Operatives, except transport .....	1,833	526	516	402	399	13.0	12.1	38.8	28.7	37.0	43.1
Transport equipment operatives .....	422	102	101	127	92	19.5	15.8	28.8	24.2	46.4	52.0
Nonfarm laborers .....	953	298	224	210	221	20.1	12.2	39.9	31.3	37.0	45.2
Service workers .....	1,586	700	415	263	209	13.4	6.5	43.5	44.1	25.1	29.7
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	251	117	73	31	30	11.5	5.7	56.6	45.6	15.7	24.2
Construction .....	945	279	228	228	210	19.5	13.2	33.7	29.5	40.2	46.4
Manufacturing .....	2,527	705	722	564	534	18.6	12.2	35.5	27.9	40.2	43.5
Durable goods .....	1,559	365	461	385	348	20.0	13.3	30.9	23.4	44.1	47.0
Non-durable goods .....	967	341	261	179	186	16.3	9.8	41.1	35.3	35.4	37.7
Transportation and public utilities .....	413	122	110	95	85	19.1	12.2	35.8	29.6	32.1	43.7
Wholesale and retail trade .....	2,045	911	551	365	318	14.3	7.7	42.8	39.7	29.9	33.4
Finance and service industries .....	2,097	871	559	347	319	14.4	7.3	44.8	41.5	26.2	31.3
Public administration .....	243	88	63	42	50	18.0	9.4	34.0	36.2	33.2	37.8
No previous work experience .....	1,123	531	298	112	132	12.0	4.3	52.2	51.8	19.2	21.7

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

## A-20. Employed persons by industry, age, and sex

(In thousands)

Industry and age	Total		Males		Females	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>All industries</b> .....	100,855	99,957	57,742	56,767	43,113	43,191
16 to 19 years .....	7,143	6,504	3,805	3,458	3,338	3,047
16 to 17 years .....	2,785	2,465	1,490	1,362	1,296	1,102
18 to 19 years .....	4,357	4,040	2,315	2,096	2,042	1,944
20 to 24 years .....	13,995	13,639	7,479	7,229	6,516	6,410
25 to 54 years .....	65,007	65,287	37,605	37,397	27,402	27,890
25 to 34 years .....	28,300	28,249	15,395	16,164	11,905	12,084
35 to 44 years .....	20,211	20,908	11,632	11,923	8,579	8,985
45 to 54 years .....	16,495	16,130	9,573	9,309	6,917	6,821
55 to 64 years .....	11,709	11,482	7,302	6,940	4,707	4,641
55 to 59 years .....	7,228	7,100	4,291	4,214	2,934	2,886
60 to 64 years .....	4,482	4,382	2,703	2,627	1,773	1,755
65 years and over .....	3,001	3,045	1,851	1,843	1,150	1,202
<b>Nonagricultural industries</b> .....	97,359	96,368	54,951	53,902	42,408	42,466
16 to 19 years .....	5,713	6,092	3,450	3,106	3,253	2,986
16 to 17 years .....	2,571	2,254	1,311	1,178	1,260	1,076
18 to 19 years .....	4,143	3,838	2,139	1,928	2,004	1,910
20 to 24 years .....	13,536	13,198	7,030	6,881	6,446	6,317
25 to 54 years .....	63,242	63,388	35,272	35,938	26,969	27,450
25 to 34 years .....	27,591	27,405	15,844	15,398	11,746	11,907
35 to 44 years .....	19,653	20,340	11,224	11,504	8,429	8,836
45 to 54 years .....	15,398	15,643	9,204	8,935	6,794	6,707
55 to 64 years .....	11,202	10,981	6,587	6,439	4,616	4,542
55 to 59 years .....	6,958	6,839	4,083	4,012	2,876	2,827
60 to 64 years .....	4,244	4,142	2,504	2,427	1,740	1,715
65 years and over .....	2,665	2,709	1,552	1,539	1,113	1,171
<b>Agriculture</b> .....	3,497	3,589	2,791	2,864	705	725
16 to 19 years .....	429	412	355	351	75	61
16 to 17 years .....	215	211	179	184	36	27
18 to 19 years .....	215	201	175	167	39	34
20 to 24 years .....	459	441	389	348	70	93
25 to 54 years .....	1,766	1,899	1,333	1,459	433	440
25 to 34 years .....	710	843	551	666	159	177
35 to 44 years .....	558	568	408	419	151	149
45 to 54 years .....	498	488	375	374	123	114
55 to 64 years .....	307	501	416	402	91	99
55 to 59 years .....	269	261	211	202	58	59
60 to 64 years .....	238	240	205	200	33	40
65 years and over .....	336	336	292	304	37	32



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**A-21. Employed persons by occupation, sex, and age**  
[In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>TOTAL</b> .....	100,855	99,957	53,937	53,309	39,775	40,141	3,305	3,458	3,338	3,047
White-collar workers .....	52,763	53,455	23,850	24,241	26,525	27,085	557	569	1,720	1,553
Professional and technical .....	16,173	16,932	8,911	9,274	7,102	7,487	66	79	99	62
Health workers .....	3,076	3,234	969	1,073	2,087	2,155	--	2	22	3
Teachers, except college .....	3,342	3,439	1,004	1,037	2,321	2,353	9	4	9	15
Other professional and technical .....	9,758	10,259	6,938	7,167	2,694	2,973	57	73	63	33
Managers and administrators, except farm .....	11,335	11,391	8,208	8,124	3,325	3,175	62	56	40	35
Salaried workers .....	9,373	9,455	6,712	6,693	2,563	2,571	61	55	39	35
Self-employed workers in retail trade .....	865	872	559	550	304	321	1	--	2	1
Self-employed workers, except retail trade .....	1,096	1,065	937	881	159	183	--	1	--	--
Sales workers .....	6,511	6,534	3,377	3,406	2,519	2,511	224	230	391	397
Retail trade .....	3,139	3,286	1,038	1,076	1,676	1,684	149	169	337	357
Other industries .....	3,312	3,248	2,340	2,330	843	827	75	61	54	33
Clerical workers .....	18,733	18,628	3,364	3,437	13,873	13,914	306	203	1,191	1,075
Stenographers, typists, and secretaries .....	5,067	4,857	103	85	4,673	4,531	9	4	287	237
Other clerical workers .....	13,672	13,771	3,261	3,352	9,208	9,383	297	199	904	838
Blue-collar workers .....	31,821	29,972	23,945	22,770	5,631	5,255	1,927	1,687	318	261
Craft and kindred workers .....	12,936	12,328	11,727	11,203	787	794	360	295	33	34
Carpenters .....	1,161	1,142	1,105	1,073	15	19	37	43	3	1
Construction craft workers, except carpenters .....	2,591	2,451	2,452	2,350	42	43	82	53	4	6
Mechanics and repairers .....	3,462	3,374	3,281	3,201	51	49	130	122	1	3
Metal craft workers .....	1,333	1,232	1,227	1,144	51	34	24	25	--	--
Blue-collar worker supervisors, not elsewhere classified .....	1,855	1,672	1,608	1,477	225	186	17	5	5	3
All other .....	2,545	2,476	2,053	1,941	402	465	69	48	20	22
Operatives, except transport .....	10,647	9,527	5,849	5,285	4,097	3,713	532	377	159	152
Durable goods manufacturing .....	4,708	4,117	2,977	2,575	1,538	1,403	130	105	64	35
Nondurable goods manufacturing .....	3,384	3,304	1,299	1,165	1,896	1,715	112	47	77	77
Other industries .....	2,555	2,406	1,573	1,544	563	598	290	225	23	40
Transport equipment operatives .....	3,456	3,405	2,982	2,955	323	306	132	136	22	6
Drivers, motor vehicles .....	2,950	2,949	2,516	2,535	295	288	119	120	21	5
All other .....	506	456	466	421	25	18	14	16	1	--
Nonfarm laborers .....	4,812	4,713	3,387	3,327	427	441	903	877	95	58
Construction .....	871	746	768	614	17	13	85	119	1	--
Manufacturing .....	1,026	898	809	593	123	147	79	51	10	3
Other industries .....	2,914	3,069	1,810	2,020	281	281	739	707	84	61
Service workers .....	13,444	13,717	4,081	4,295	7,156	7,312	962	930	1,245	1,179
Private household workers .....	981	941	24	15	766	723	10	9	130	130
Service workers, except private household .....	12,463	12,776	4,057	4,280	6,390	6,589	951	921	1,064	999
Food service workers .....	4,756	4,837	962	965	2,435	2,525	636	617	753	729
Protective service workers .....	1,512	1,516	1,332	1,313	151	159	19	31	10	3
All other .....	6,195	6,423	1,763	1,996	3,834	3,901	296	273	301	292
Farm workers .....	2,827	2,813	2,051	2,003	453	493	258	273	55	47
Farmers and farm managers .....	1,535	1,489	1,315	1,271	156	188	21	29	2	--
Farm laborers and supervisors .....	1,323	1,325	736	732	297	302	237	244	53	47
Paid workers .....	1,069	1,069	708	692	152	152	174	182	35	43
Unpaid family workers .....	253	256	28	40	145	150	63	62	18	3

# HOUSEHOLD DATA

## A-22. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Males		Females	
	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982
<b>TOTAL</b>						
Total, 16 years and over (thousands)	100,855	99,957	57,742	56,757	43,113	43,191
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.3	53.5	42.5	43.7	65.5	66.3
Professional and technical	16.0	16.9	15.5	15.5	16.7	17.5
Managers and administrators, except farm	11.2	11.4	14.3	14.4	7.1	7.4
Sales workers	6.5	6.5	5.2	6.4	6.7	6.7
Clerical workers	18.6	18.6	5.4	6.4	35.0	34.7
Blue-collar workers	31.6	30.0	44.8	43.1	13.9	12.8
Craft and kindred workers	12.8	12.3	20.9	20.3	1.9	1.9
Operatives, except transport	10.6	9.5	11.1	10.0	9.9	8.9
Transport equipment operatives	3.4	3.4	5.4	5.4	.8	.7
Nonfarm laborers	4.8	4.7	7.4	7.4	1.2	1.2
Service workers	13.3	13.7	8.7	9.2	19.5	19.7
Private household workers	1.0	.9	.1	(1)	2.2	2.1
Other service workers	12.4	12.8	8.7	9.2	17.3	17.5
Farm workers	2.8	2.8	4.0	4.0	1.2	1.2
Farmers and farm managers	1.5	1.5	2.3	2.3	.4	.4
Farm laborers and supervisors	1.3	1.3	1.7	1.7	.8	.8
<b>White</b>						
Total, 16 years and over (thousands)	89,134	88,348	51,570	50,749	37,564	37,599
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.9	55.1	44.0	45.1	67.5	68.5
Professional and technical	16.4	17.3	15.0	17.0	16.9	17.8
Managers and administrators, except farm	12.0	12.2	15.2	15.3	7.6	8.0
Sales workers	6.9	7.0	6.7	6.8	7.3	7.2
Clerical workers	18.6	18.6	5.2	6.1	35.7	35.5
Blue-collar workers	31.1	29.6	44.0	42.6	13.2	12.1
Craft and kindred workers	13.2	12.8	21.4	20.7	1.9	2.0
Operatives, except transport	10.0	9.0	10.5	9.6	9.3	8.2
Transport equipment operatives	3.3	3.3	5.1	5.2	.8	.7
Nonfarm laborers	4.5	4.5	7.0	7.0	1.2	1.1
Service workers	12.1	12.4	7.9	8.2	17.9	18.1
Private household workers	.7	.7	(1)	(1)	1.7	1.7
Other service workers	11.4	11.7	7.8	8.1	16.3	16.5
Farm workers	2.9	2.9	4.1	4.1	1.3	1.3
Farmers and farm managers	1.6	1.6	2.5	2.5	.4	.5
Farm laborers and supervisors	1.3	1.3	1.6	1.7	.8	.8
<b>Black and other</b>						
Total, 16 years and over (thousands)	11,721	11,610	6,172	6,018	5,549	5,592
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	40.1	41.4	29.7	32.0	51.5	51.6
Professional and technical	13.5	13.7	12.0	12.4	15.1	15.1
Managers and administrators, except farm	5.5	5.5	7.0	7.2	3.8	3.6
Sales workers	2.8	3.2	2.6	3.0	3.0	3.4
Clerical workers	18.3	19.0	9.1	9.3	29.7	29.5
Blue-collar workers	35.3	32.9	51.2	47.2	17.7	17.5
Craft and kindred workers	9.7	9.1	15.8	16.1	1.9	1.5
Operatives, except transport	14.6	13.3	15.5	12.8	13.6	13.8
Transport equipment operatives	4.5	4.2	7.8	7.4	.8	.7
Nonfarm laborers	6.5	6.4	11.1	10.9	1.3	1.6
Service workers	22.8	23.7	15.2	18.0	30.1	29.9
Private household workers	2.8	2.5	.2	.1	5.8	5.1
Other service workers	20.0	21.2	15.0	17.9	24.3	24.8
Farm workers	1.8	2.0	2.9	2.8	.6	1.1
Farmers and farm managers	.3	.4	.6	.6	.1	.1
Farm laborers and supervisors	1.5	1.6	2.3	2.2	.6	.9

<sup>1</sup> Less than 0.05 percent.

**HOUSEHOLD DATA**

**A-23. Employed persons by age, sex, and class of worker**

[In thousands]

Age and sex	May 1964								
	Nonagricultural industries				Agriculture				
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	88,517	1,173	15,684	71,661	7,414	437	1,595	1,727	263
16 to 19 years	5,957	301	346	5,310	92	43	295	52	65
16 to 17 years	2,196	190	97	1,909	35	21	139	27	44
18 to 19 years	3,761	111	249	3,401	56	22	157	24	21
20 to 24 years	12,815	99	1,355	11,361	351	23	313	106	22
25 to 34 years	25,525	151	4,416	20,959	1,308	72	435	351	58
35 to 44 years	18,352	145	3,934	14,283	1,377	101	235	230	43
45 to 54 years	14,050	142	3,162	10,745	1,482	111	149	310	23
55 to 64 years	9,700	173	2,106	7,416	1,214	67	119	347	35
55 to 59 years	6,081	102	1,333	4,647	710	47	68	169	24
60 to 64 years	3,618	77	773	2,769	503	20	50	178	12
65 years and over	2,109	157	366	1,587	581	19	50	271	15
<b>Males, 16 years and over</b>	<b>48,761</b>	<b>223</b>	<b>7,653</b>	<b>40,875</b>	<b>5,388</b>	<b>54</b>	<b>1,260</b>	<b>1,500</b>	<b>104</b>
16 to 19 years	3,030	108	174	2,748	54	23	239	51	62
16 to 17 years	1,141	70	43	1,028	25	10	114	26	44
18 to 19 years	1,889	39	131	1,720	27	12	125	24	19
20 to 24 years	6,627	22	558	6,048	251	3	241	93	14
25 to 34 years	14,287	18	2,092	12,177	1,200	11	350	302	14
35 to 44 years	10,211	22	1,921	8,269	1,291	2	191	236	1
45 to 54 years	7,913	12	1,653	6,247	1,019	3	114	259	2
55 to 64 years	5,535	11	1,065	4,459	896	8	86	313	3
55 to 59 years	3,495	5	659	2,822	511	5	49	152	--
60 to 64 years	2,040	7	396	1,637	385	2	37	163	3
65 years and over	1,157	31	200	927	377	5	49	247	3
<b>Females, 16 years and over</b>	<b>39,757</b>	<b>950</b>	<b>8,021</b>	<b>30,786</b>	<b>2,326</b>	<b>383</b>	<b>334</b>	<b>227</b>	<b>164</b>
16 to 19 years	2,927	194	172	2,562	38	20	56	1	3
16 to 17 years	1,055	120	54	881	10	11	25	1	1
18 to 19 years	1,872	73	118	1,681	29	9	32	--	3
20 to 24 years	6,187	77	797	5,313	110	20	72	14	7
25 to 34 years	11,238	133	2,324	8,781	507	61	85	49	44
35 to 44 years	8,150	123	2,014	6,014	536	100	53	54	42
45 to 54 years	6,137	130	1,508	4,499	452	103	35	52	27
55 to 64 years	4,165	157	1,041	2,957	318	60	32	34	33
55 to 59 years	2,586	97	664	1,825	200	41	19	15	24
60 to 64 years	1,579	70	377	1,132	119	18	13	18	10
65 years and over	952	125	166	660	204	15	1	24	7

**A-24. Employed persons by industry and occupation**

[In thousands]

Industry	May 1982											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,589	101	56	13	65	53	10	44	408	--	10	2,813
Mining	1,103	195	137	5	137	251	290	60	22	--	7	--
Construction	5,919	185	732	27	504	3,250	274	165	746	--	3	--
Manufacturing	20,504	2,612	1,659	551	2,663	3,904	7,121	693	998	--	404	--
Durable goods	12,130	1,774	930	179	1,581	2,528	4,117	311	503	--	237	--
Nondurable goods	8,374	838	729	372	1,082	1,375	3,004	382	395	--	195	--
Transportation and public utilities	6,531	654	716	93	1,505	1,343	133	1,426	449	--	238	--
Wholesale and retail trade	20,620	481	3,933	4,259	3,609	1,433	959	726	1,264	--	4,006	--
Wholesale trade	4,181	188	839	973	864	377	190	362	294	--	34	--
Retail trade	16,439	293	3,000	3,286	2,745	1,122	679	364	970	--	3,972	--
Finance, insurance, and real estate	6,244	425	1,223	1,346	2,755	120	10	13	101	--	243	--
Services	30,201	11,205	2,277	230	5,583	1,604	758	225	567	941	6,709	--
Private households	1,220	13	1	--	9	5	2	7	197	941	39	--
Other service industries	28,981	11,187	2,275	230	5,574	1,599	756	219	470	--	6,670	--
Public administration	5,246	1,045	678	9	1,808	291	57	51	159	--	1,148	--

# HOUSEHOLD DATA

## A-25. Employed persons with a job but not at work by reason, sex, and pay status

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers <sup>1</sup>			
	May 1981				May 1982		Paid absences <sup>2</sup>	
			May 1981	May 1982			May 1981	May 1982
Total, 16 years and over . . . . .	4,546	4,090	4,449	4,014	2,157	2,015	1,753	1,550
Vacation . . . . .	1,885	1,670	1,869	1,552	1,336	1,229	353	314
Illness . . . . .	1,402	1,305	1,383	1,287	532	582	686	614
Bad weather . . . . .	113	59	79	43	--	--	--	--
Industrial dispute . . . . .	193	38	193	38	--	--	--	--
All other reasons . . . . .	953	1,038	924	934	249	205	714	622
Males, 16 years and over . . . . .	2,504	2,167	2,432	2,110	1,250	1,175	864	658
Vacation . . . . .	1,055	945	1,047	937	793	744	154	124
Illness . . . . .	738	706	725	591	329	351	331	278
All other reasons <sup>3</sup> . . . . .	711	516	660	482	131	81	380	255
Females, 16 years and over . . . . .	2,043	1,913	2,017	1,905	917	840	889	891
Vacation . . . . .	831	725	823	724	545	435	238	190
Illness . . . . .	664	539	658	596	253	231	356	335
All other reasons <sup>3</sup> . . . . .	549	588	537	584	118	125	335	365

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

<sup>3</sup> Includes bad weather and industrial dispute, not shown separately

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

NOTE: Estimates for "all other reasons" by pay status may be biased because of high response variance; data should be used with caution.

## A-26. Persons at work by hours of work and industry

Hours of work	May 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over . . . . .	95,373	92,354	3,524	100.0	100.0	100.0
1-34 hours . . . . .	24,265	23,197	1,068	25.3	25.1	30.3
1-4 hours . . . . .	875	810	56	.9	.9	1.9
5-14 hours . . . . .	4,605	4,333	272	4.8	4.7	7.7
15-29 hours . . . . .	11,930	11,418	512	12.4	12.4	14.5
30-34 hours . . . . .	6,854	6,636	218	7.1	7.2	6.2
35 hours and over . . . . .	71,611	69,156	2,455	74.7	74.9	69.7
35-39 hours . . . . .	7,355	7,220	135	7.7	7.8	3.8
40 hours . . . . .	41,541	41,082	559	43.4	44.5	15.9
41 hours and over . . . . .	22,615	20,854	1,761	23.5	22.6	50.0
41 to 48 hours . . . . .	8,404	8,190	214	8.8	8.9	6.1
49 to 59 hours . . . . .	7,877	7,406	471	8.2	8.0	13.4
60 hours and over . . . . .	6,334	5,258	1,076	6.5	5.7	30.5
Average hours, total at work . . . . .	38.2	37.9	45.9	--	--	--
Average hours, workers on full-time schedules . . . . .	43.0	42.6	55.5	--	--	--

## A-27. Persons at work 1 to 34 hours by reason for working less than 35 hours and usual status

[Numbers in thousands]

Reason for working less than 35 hours	May 1982					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total <sup>1</sup>	Usually work full time	Usually work part time
<b>Total, 16 years and over</b> . . . . .	24,265	6,705	17,561	23,197	6,455	16,741
<b>Economic reasons</b> . . . . .	5,808	2,239	3,569	5,521	2,211	3,310
Slack work . . . . .	3,182	1,971	1,211	3,017	1,890	1,127
Material shortages or repairs to plant and equipment . . . . .	51	51	--	50	50	--
New job started during week . . . . .	205	205	--	202	202	--
Job terminated during week . . . . .	71	71	--	63	68	--
Could find only part-time work . . . . .	2,298	--	2,293	2,182	--	2,182
<b>Other reasons</b> . . . . .	18,458	4,466	14,052	17,678	4,246	13,432
Does not want, or unavailable for, full-time work . . . . .	11,859	--	11,859	11,400	--	11,400
Vacation . . . . .	1,124	1,124	--	1,117	1,117	--
Illness . . . . .	1,636	1,444	192	1,594	1,433	164
Bad weather . . . . .	360	350	--	267	267	--
Industrial dispute . . . . .	10	10	--	10	10	--
Legal or religious holiday . . . . .	44	44	--	42	42	--
Full time for this job . . . . .	1,504	--	1,504	1,440	--	1,440
All other reasons . . . . .	1,920	1,424	496	1,805	1,379	426
<b>Average hours:</b>						
Economic reasons . . . . .	22.3	25.3	20.4	22.5	25.4	20.6
Other reasons . . . . .	20.6	25.7	18.7	20.7	26.3	18.7
<b>Worked 30 to 34 hours:</b>						
Economic reasons . . . . .	1,939	1,126	813	1,881	1,093	788
Other reasons . . . . .	4,915	2,459	2,445	4,755	2,417	2,338

## A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	May 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
<b>Total, 16 years and over</b> <sup>1</sup> . . . . .	92,354	5,521	13,432	73,401	52,547	8,190	12,664	37.9	42.6	
<b>Wage and salary workers</b> . . . . .	84,923	4,735	11,994	68,149	50,155	7,625	10,367	37.9	42.2	
Construction . . . . .	4,551	333	211	3,952	2,960	397	595	39.1	41.8	
Manufacturing . . . . .	19,211	1,049	570	17,492	13,261	2,154	2,057	40.0	41.5	
Durable goods . . . . .	11,337	531	281	10,575	3,119	1,313	1,143	40.3	41.5	
Nondurable goods . . . . .	7,824	517	388	6,919	5,145	851	923	39.5	41.7	
Transportation and public utilities . . . . .	5,873	253	347	5,253	3,846	523	894	40.4	42.7	
Wholesale and retail trade . . . . .	17,881	1,415	4,547	11,919	7,917	1,646	2,356	35.4	43.1	
Finance, insurance, and real estate . . . . .	5,539	150	529	4,850	3,732	445	633	38.7	41.2	
<b>Service industries</b> . . . . .	25,891	1,356	5,379	19,145	14,247	1,833	3,061	36.1	42.2	
Private households . . . . .	1,148	139	616	333	215	42	76	22.5	45.3	
All other industries . . . . .	24,743	1,167	4,763	18,813	14,032	1,796	2,985	35.7	42.1	
Public administration . . . . .	4,937	30	294	4,603	3,500	475	528	39.9	41.5	
<b>Self-employed workers</b> . . . . .	6,933	720	1,274	4,994	2,241	543	2,210	39.9	48.5	
Unpaid family workers . . . . .	437	14	163	250	151	22	87	35.8	45.5	

<sup>1</sup> Includes mining, not shown separately.

# HOUSEHOLD DATA

## A-29. 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	May 1992							
	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>								
Both sexes, 16 years and over .....	92,354	5,521	13,432	73,401	52,547	20,354	37.9	42.5
16 to 21 years .....	10,478	1,116	4,450	4,912	3,893	1,319	28.3	40.7
16 to 19 years .....	5,937	596	3,508	1,803	1,462	341	23.7	40.0
16 to 17 years .....	2,193	118	1,903	172	144	29	15.5	38.7
18 to 19 years .....	3,714	478	1,605	1,531	1,318	313	27.9	40.2
20 years and over .....	86,447	4,924	9,923	71,500	51,087	20,513	38.9	42.7
20 to 24 years .....	12,713	1,132	1,334	9,747	7,525	2,222	36.5	41.4
25 years and over .....	73,734	3,793	8,090	51,351	43,561	18,290	39.3	42.9
25 to 44 years .....	45,978	2,383	4,297	39,299	27,265	12,313	39.9	42.9
45 to 64 years .....	25,203	1,286	2,535	21,332	15,464	5,918	39.5	42.7
65 years and over .....	2,552	123	1,257	1,172	812	350	29.5	43.5
<b>Males, 16 years and over .....</b>	<b>51,792</b>	<b>2,747</b>	<b>4,055</b>	<b>44,990</b>	<b>29,195</b>	<b>15,795</b>	<b>40.8</b>	<b>43.9</b>
16 to 21 years .....	5,427	581	2,105	2,740	2,045	595	29.6	41.5
16 to 19 years .....	3,035	307	1,720	1,008	781	227	24.6	40.7
16 to 17 years .....	1,149	71	975	102	83	14	17.0	39.7
18 to 19 years .....	1,385	236	745	905	692	213	29.3	41.0
20 years and over .....	48,753	2,441	2,335	43,982	23,414	15,568	41.8	44.0
20 to 24 years .....	6,590	590	717	5,383	3,828	1,555	33.3	42.5
25 years and over .....	42,057	1,852	1,617	38,538	24,587	14,311	42.3	44.2
25 to 44 years .....	26,078	1,201	550	24,317	15,112	9,205	42.3	44.4
45 to 64 years .....	14,539	582	417	13,540	9,962	4,578	42.4	43.9
65 years and over .....	1,451	53	641	742	513	229	30.7	43.5
<b>Females, 16 years and over .....</b>	<b>40,561</b>	<b>2,773</b>	<b>9,376</b>	<b>23,412</b>	<b>23,353</b>	<b>5,359</b>	<b>34.3</b>	<b>40.5</b>
16 to 21 years .....	5,351	535	2,345	2,171	1,849	323	25.9	39.5
16 to 19 years .....	2,872	289	1,788	795	683	115	22.7	39.1
16 to 17 years .....	1,043	47	928	68	53	15	16.2	33.3
18 to 19 years .....	1,829	242	850	727	627	100	26.5	39.2
20 years and over .....	37,589	2,484	7,588	27,517	22,673	4,944	35.2	40.5
20 to 24 years .....	5,023	543	1,117	4,363	3,695	567	34.7	40.0
25 years and over .....	31,665	1,942	6,471	23,252	19,974	4,278	35.3	40.7
25 to 44 years .....	19,300	1,182	3,737	14,381	12,173	2,808	35.6	40.5
45 to 64 years .....	10,665	704	2,118	7,343	6,503	1,340	35.4	40.5
65 years and over .....	1,131	56	516	429	300	129	27.9	43.5
<b>RACE</b>								
<b>White .....</b>	<b>81,436</b>	<b>4,627</b>	<b>12,311</b>	<b>54,553</b>	<b>45,249</b>	<b>19,309</b>	<b>39.0</b>	<b>42.8</b>
Males .....	45,221	2,328	3,641	40,252	25,541	14,711	41.0	44.1
Females .....	35,275	2,301	8,570	24,304	19,705	4,599	34.1	40.5
<b>Black and other .....</b>	<b>10,857</b>	<b>893</b>	<b>1,120</b>	<b>9,344</b>	<b>7,299</b>	<b>1,545</b>	<b>37.3</b>	<b>41.2</b>
Males .....	5,571	421	414	4,736	3,653	1,083	38.9	42.2
Females .....	5,236	473	706	4,107	3,646	451	35.7	39.9
<b>MARITAL STATUS</b>								
<b>Males, 16 years and over:</b>								
Married, spouse present .....	34,975	1,367	1,241	32,353	20,349	12,019	42.6	44.3
Widowed, divorced, or separated .....	4,500	313	201	3,986	2,585	1,401	41.4	44.0
Single (never married) .....	12,316	1,067	2,612	9,537	5,263	2,374	35.3	42.5
<b>Females, 16 years and over:</b>								
Married, spouse present .....	22,528	1,432	5,574	15,552	12,939	2,613	34.1	40.3
Widowed, divorced, or separated .....	8,050	579	1,043	5,423	5,136	1,292	36.9	40.9
Single (never married) .....	9,982	792	2,760	6,433	5,275	1,155	32.6	40.5

## A-30. Persons at work in nonfarm occupations by sex and full- or part-time status

[Numbers in thousands]

Occupation and sex	May 1982								
	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		
<b>Total, 16 years and over</b> .....	<b>93,109</b>	<b>5,605</b>	<b>13,569</b>	<b>73,334</b>	<b>52,912</b>	<b>9,254</b>	<b>12,868</b>	<b>37.9</b>	<b>42.7</b>
<b>White-collar workers</b> .....	<b>51,377</b>	<b>1,680</b>	<b>7,354</b>	<b>42,343</b>	<b>29,452</b>	<b>4,477</b>	<b>8,414</b>	<b>38.9</b>	<b>43.0</b>
Professional and technical .....	15,247	384	1,852	14,001	9,536	1,595	2,870	39.8	43.1
Managers and administrators, except farm .....	13,957	171	599	13,193	5,325	1,284	3,588	44.7	46.5
Sales workers .....	5,273	338	1,581	4,354	2,691	308	1,155	36.3	44.0
Clerical workers .....	17,898	739	3,325	13,784	11,394	1,389	801	35.4	39.9
<b>Blue-collar workers</b> .....	<b>23,593</b>	<b>2,530</b>	<b>2,087</b>	<b>23,376</b>	<b>17,477</b>	<b>3,058</b>	<b>3,441</b>	<b>38.9</b>	<b>42.3</b>
Craft and kindred workers .....	11,791	823	451	10,532	7,493	1,414	1,595	40.1	42.4
Operatives, except transport .....	9,055	847	481	7,727	6,103	998	726	38.7	41.3
Transport equipment operatives .....	3,194	285	276	2,532	1,510	382	740	41.0	45.4
Nonfarm laborers .....	4,553	569	893	3,115	2,370	365	380	34.0	41.5
<b>Service workers</b> .....	<b>13,139</b>	<b>1,396</b>	<b>4,128</b>	<b>7,615</b>	<b>5,893</b>	<b>719</b>	<b>1,013</b>	<b>32.2</b>	<b>41.9</b>
Private household .....	921	150	474	297	136	41	73	24.3	45.4
Other service workers .....	12,213	1,246	3,654	7,318	5,696	579	943	32.8	41.7
<b>Males, 16 years and over</b> .....	<b>52,363</b>	<b>2,818</b>	<b>4,132</b>	<b>45,413</b>	<b>29,397</b>	<b>5,705</b>	<b>10,310</b>	<b>40.7</b>	<b>44.0</b>
<b>White-collar workers</b> .....	<b>23,959</b>	<b>522</b>	<b>1,531</b>	<b>21,906</b>	<b>12,773</b>	<b>2,556</b>	<b>6,477</b>	<b>43.1</b>	<b>45.3</b>
Professional and technical .....	9,322	181	507	8,334	5,195	970	2,169	42.5	44.5
Managers and administrators, except farm .....	7,875	113	236	7,529	3,578	333	3,018	46.5	47.6
Sales workers .....	3,525	113	405	3,007	1,656	401	950	41.4	45.3
Clerical workers .....	3,539	118	384	3,035	2,344	352	340	38.3	41.8
<b>Blue-collar workers</b> .....	<b>23,353</b>	<b>1,919</b>	<b>1,433</b>	<b>19,957</b>	<b>14,059</b>	<b>2,576</b>	<b>3,232</b>	<b>39.4</b>	<b>42.7</b>
Craft and kindred workers .....	11,000	775	334	9,891	6,997	1,352	1,542	40.4	42.5
Operatives, except transport .....	5,405	397	221	4,788	3,550	530	608	40.0	42.2
Transport equipment operatives .....	2,897	245	173	2,479	1,338	369	722	42.0	45.6
Nonfarm laborers .....	4,065	500	755	2,310	2,124	326	360	34.3	41.7
<b>Service workers</b> .....	<b>5,035</b>	<b>378</b>	<b>1,118</b>	<b>3,540</b>	<b>2,555</b>	<b>374</b>	<b>601</b>	<b>35.7</b>	<b>43.0</b>
Private household .....	24	5	9	10	6	1	3	26.6	44.7
Other service workers .....	5,012	373	1,109	3,530	2,559	373	598	35.7	43.0
<b>Females, 16 years and over</b> .....	<b>40,745</b>	<b>2,789</b>	<b>9,437</b>	<b>28,519</b>	<b>23,411</b>	<b>2,549</b>	<b>2,559</b>	<b>34.3</b>	<b>40.5</b>
<b>White-collar workers</b> .....	<b>27,417</b>	<b>1,159</b>	<b>5,823</b>	<b>20,435</b>	<b>16,577</b>	<b>1,921</b>	<b>1,937</b>	<b>35.2</b>	<b>40.5</b>
Professional and technical .....	7,225	203	1,355	5,567	4,340	526	701	36.3	41.1
Managers and administrators, except farm .....	3,083	61	352	2,570	1,748	351	571	40.4	43.4
Sales workers .....	2,749	225	1,176	1,348	1,037	107	204	29.7	41.0
Clerical workers .....	14,361	671	2,941	13,749	9,550	738	461	34.6	39.4
<b>Blue-collar workers</b> .....	<b>5,225</b>	<b>612</b>	<b>504</b>	<b>4,039</b>	<b>3,417</b>	<b>382</b>	<b>210</b>	<b>36.1</b>	<b>40.2</b>
Craft and kindred workers .....	782	54	117	511	495	62	54	36.9	41.2
Operatives, except transport .....	3,649	453	250	2,939	2,553	258	119	36.3	39.3
Transport equipment operatives .....	297	40	102	135	125	13	17	31.4	42.0
Nonfarm laborers .....	493	53	125	305	245	39	21	32.3	40.9
<b>Service workers</b> .....	<b>3,103</b>	<b>1,013</b>	<b>3,010</b>	<b>4,075</b>	<b>3,317</b>	<b>346</b>	<b>412</b>	<b>30.1</b>	<b>40.9</b>
Private household .....	897	145	455	237	130	40	67	24.2	45.5
Other service workers .....	7,205	874	2,545	3,737	3,135	306	346	30.8	40.5

# HOUSEHOLD DATA

## A-31. Employment status of 14- and 15-year-olds by sex and race

[Numbers in thousands]

Employment status	May 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population .....	7,172	3,651	3,521	5,921	3,320	2,601	1,251	631	620
Civilian labor force .....	1,237	696	541	1,165	550	516	72	46	25
Employed .....	1,012	553	459	988	540	448	24	12	12
Agriculture .....	101	81	20	101	81	20	--	--	--
Nonagricultural industries .....	911	472	439	887	459	428	24	12	12
Unemployed .....	225	143	82	177	109	68	48	34	14
Unemployment rate .....	18.2	20.6	15.2	15.2	15.8	13.2	--	(1)	(1)
Not in labor force .....	5,935	2,955	2,979	4,755	2,370	2,385	1,179	585	594
Keeping house .....	44	12	32	33	9	24	11	4	8
Going to school .....	5,759	2,878	2,891	4,627	2,309	2,317	1,143	569	574
Unable to work .....	1	2	2	3	2	1	1	--	2
All other reasons .....	117	63	54	93	50	43	24	13	11

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

## A-32. Employed 14- and 15-year-olds by class of worker, occupation, and sex

Class of worker and occupation	May 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
<b>CLASS OF WORKER</b>						
<b>Total</b> .....	1,012	553	459	100.0	100.0	100.0
Nonagricultural industries .....	911	472	439	89.9	85.5	95.6
Wage and salary workers .....	788	391	397	77.8	70.8	86.5
Private household workers .....	368	122	245	36.3	22.1	53.4
Government workers .....	28	17	11	2.8	3.1	2.4
Other wage and salary workers .....	392	251	141	38.7	45.5	30.7
Self-employed workers .....	112	76	35	11.1	13.8	7.8
Unpaid family workers .....	12	5	6	1.2	.9	1.3
Agriculture .....	101	81	20	10.0	14.7	4.4
Wage and salary workers .....	60	46	14	5.9	8.3	3.1
Self-employed workers .....	17	15	2	1.7	2.7	.4
Unpaid family workers .....	24	20	4	2.4	3.5	.9
<b>OCCUPATION</b>						
<b>Total</b> .....	1,012	553	459	100.0	100.0	100.0
White-collar workers .....	266	151	105	25.2	29.1	23.0
Professional and technical .....	14	2	11	1.4	.4	2.4
Managers and administrators, except farm .....	--	--	--	--	--	--
Sales workers .....	214	151	63	21.1	27.3	13.7
Clerical workers .....	40	8	32	3.9	1.4	7.0
Blue-collar workers .....	247	234	13	24.4	42.3	2.8
Craft and kindred workers .....	12	10	3	1.2	1.8	.7
Operatives, except transport .....	27	25	2	2.7	4.5	.4
Transport equipment operatives .....	--	--	--	--	--	--
Nonfarm laborers .....	208	199	9	20.5	36.0	2.0
Service workers .....	420	100	320	41.4	18.1	69.6
Private household workers .....	254	10	243	25.0	1.9	52.8
Other service workers .....	166	89	77	15.4	16.1	15.7
Farm workers .....	79	58	20	7.8	10.5	4.3
Farmers and farm managers .....	6	4	2	.6	.7	.4
Farm laborers and supervisors .....	73	55	18	7.2	9.9	3.9



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Employment status, sex, and age	1981								1992				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>TOTAL</b>													
Total noninstitutional population <sup>1</sup> .....	171,956	172,172	172,385	172,559	172,758	172,965	173,155	173,333	173,495	173,557	173,843	174,323	174,201
Armed Forces <sup>1</sup> .....	2,127	2,131	2,139	2,169	2,165	2,158	2,159	2,164	2,159	2,168	2,175	2,175	2,175
Civilian noninstitutional population <sup>1</sup> .....	169,829	170,042	170,246	170,399	170,593	170,809	170,995	171,165	171,335	171,439	171,667	171,844	172,025
Civilian labor force .....	109,293	108,434	108,538	108,313	108,494	109,012	109,272	109,134	108,879	109,165	109,346	109,549	110,665
Percent of civilian population .....	64.4	63.8	63.3	63.9	63.6	63.8	63.9	63.8	63.5	63.7	63.7	63.8	64.3
Employed .....	101,045	100,430	100,364	100,840	100,258	100,343	100,172	99,513	99,581	99,590	99,492	99,340	100,117
Percent of total population .....	58.8	58.3	58.5	58.4	58.0	58.0	57.9	57.5	57.4	57.3	57.2	57.1	57.5
Agriculture .....	3,405	3,348	3,342	3,404	3,358	3,378	3,372	3,203	3,411	3,373	3,349	3,339	3,438
Nonagricultural industries .....	97,640	97,082	97,022	97,435	96,900	96,965	96,800	96,310	96,179	96,217	96,144	96,001	96,529
Unemployed .....	8,248	8,004	7,924	7,973	8,236	8,669	9,103	9,571	9,298	9,575	9,854	10,337	10,549
Unemployment rate .....	7.5	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	9.0	9.4	9.5
Not in labor force .....	60,536	61,608	61,558	61,531	62,099	61,797	61,724	61,982	62,455	62,324	62,321	62,197	61,350
<b>Males, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	73,924	74,045	74,154	74,263	74,382	74,502	74,510	74,714	74,310	74,906	75,015	75,121	75,227
Civilian noninstitutional population <sup>1</sup> .....	72,251	72,359	72,472	72,559	72,670	72,795	72,921	73,023	73,123	73,209	73,287	73,392	73,499
Civilian labor force .....	57,479	57,094	57,172	57,250	57,252	57,355	57,459	57,665	57,353	57,448	57,554	57,730	58,164
Percent of civilian population .....	79.6	78.9	78.9	78.3	78.8	78.8	78.8	79.3	78.5	78.5	78.5	78.7	79.1
Employed .....	53,884	53,597	53,874	53,791	53,693	53,504	53,354	53,122	53,347	53,097	53,006	52,988	53,250
Percent of total population .....	72.9	72.4	72.6	72.4	72.2	71.8	71.5	71.1	70.9	70.9	70.7	70.5	70.8
Agriculture .....	2,390	2,379	2,383	2,422	2,383	2,413	2,382	2,311	2,390	2,386	2,377	2,382	2,454
Nonagricultural industries .....	51,494	51,218	51,491	51,359	51,310	51,091	50,972	50,811	50,957	50,711	50,629	50,606	50,795
Unemployed .....	3,595	3,497	3,298	3,459	3,569	3,851	4,105	4,543	4,322	4,351	4,543	4,742	4,904
Unemployment rate .....	6.3	6.1	5.3	6.2	6.2	6.7	7.1	7.3	7.5	7.6	7.9	8.2	8.4
Not in labor force .....	14,772	15,265	15,300	15,309	15,408	15,440	15,462	15,355	15,752	15,761	15,733	15,662	15,335
<b>Females, 20 years and over</b>													
Total noninstitutional population <sup>1</sup> .....	81,453	81,583	81,711	81,822	81,946	82,074	82,193	82,305	82,415	82,523	82,640	82,753	82,868
Civilian noninstitutional population <sup>1</sup> .....	81,308	81,434	81,551	81,671	81,792	81,920	82,033	82,151	82,250	82,367	82,478	82,591	82,707
Civilian labor force .....	42,638	42,581	42,532	42,665	42,344	42,831	42,997	42,882	42,363	43,031	43,243	43,301	43,683
Percent of civilian population .....	52.4	52.3	52.3	52.2	51.8	52.3	52.4	52.2	52.1	52.2	52.4	52.4	52.8
Employed .....	39,737	39,757	39,810	39,841	39,426	39,814	39,873	39,713	39,764	39,744	39,807	39,715	40,075
Percent of total population .....	48.8	48.7	48.7	48.7	48.1	48.5	48.5	48.3	48.2	48.2	48.2	48.0	48.4
Agriculture .....	605	585	590	609	608	596	635	572	649	528	635	601	534
Nonagricultural industries .....	39,132	39,172	39,220	39,232	39,318	39,218	39,238	39,141	39,115	39,116	39,172	39,114	39,441
Unemployed .....	2,871	2,824	2,722	2,825	2,918	3,017	3,109	3,175	3,104	3,286	3,435	3,536	3,608
Unemployment rate .....	6.7	6.6	5.7	6.6	6.9	7.0	7.2	7.4	7.2	7.6	7.9	8.3	8.3
Not in labor force .....	38,700	38,853	38,879	39,005	39,448	39,089	39,051	39,263	39,392	39,336	39,235	39,230	39,024
<b>Both sexes, 16-19 years</b>													
Total noninstitutional population <sup>1</sup> .....	16,579	16,544	16,510	16,459	16,429	16,390	16,351	16,311	16,269	16,228	16,188	16,146	16,105
Civilian noninstitutional population <sup>1</sup> .....	16,270	16,249	16,213	16,169	16,131	16,093	16,037	15,995	15,955	15,913	15,902	15,861	15,820
Civilian labor force .....	9,206	8,759	8,834	8,902	8,888	8,826	8,825	8,631	8,543	8,536	8,549	8,616	8,319
Percent of civilian population .....	56.6	53.9	54.5	55.1	55.1	54.8	55.0	54.3	54.2	54.6	53.9	54.3	55.7
Employed .....	7,424	7,076	7,130	7,208	7,139	7,025	6,940	6,773	6,771	6,748	6,579	6,537	6,792
Percent of total population .....	44.8	42.8	43.5	43.3	43.5	42.9	42.4	41.5	41.5	41.6	41.3	41.1	42.1
Agriculture .....	410	384	339	373	357	359	355	325	373	359	335	325	390
Nonagricultural industries .....	7,014	6,692	6,811	6,835	6,772	6,556	6,585	6,448	6,393	6,389	6,243	6,211	6,392
Unemployed .....	1,782	1,683	1,554	1,694	1,749	1,801	1,886	1,853	1,372	1,338	1,870	1,979	2,037
Unemployment rate .....	19.4	19.2	18.7	19.3	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1
Not in labor force .....	7,064	7,490	7,379	7,267	7,243	7,257	7,211	7,354	7,312	7,227	7,353	7,245	7,001

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-34. Full- and part-time status of the civilian labor force, seasonally adjusted**

[Numbers in thousands]

Full- and part-time status	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>FULL TIME</b>													
Total, 16 years and over:													
Civilian labor force	93,324	92,526	92,971	92,778	92,801	93,359	93,607	93,855	93,129	93,421	93,860	93,890	94,519
Employed	86,693	85,949	86,606	86,378	86,044	86,155	86,062	85,723	85,324	85,523	85,535	85,239	85,333
Unemployed	6,631	6,577	6,365	6,403	6,757	7,204	7,545	8,127	7,805	7,897	8,355	8,651	8,717
Unemployment rate	7.1	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2
<b>PART TIME</b>													
Total, 16 years and over:													
Civilian labor force	15,868	15,924	15,308	16,371	15,662	15,590	15,721	15,393	15,353	15,632	15,470	15,836	15,911
Employed	14,350	14,452	14,337	14,525	14,160	14,198	14,125	13,982	14,337	13,951	13,926	14,112	14,237
Unemployed	1,518	1,462	1,471	1,545	1,502	1,492	1,596	1,417	1,515	1,681	1,544	1,724	1,574
Unemployment rate	9.6	9.2	9.3	9.5	9.6	9.5	10.2	9.2	9.6	10.8	10.0	10.9	10.5

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**A-35. Employment status by race, sex, and age, seasonally adjusted**

[Numbers in thousands]

Race, sex, and age	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>WHITE</b>													
Total, 16 years and over:													
Civilian labor force	95,666	94,837	95,126	95,163	94,884	95,355	95,535	95,323	95,120	95,333	95,508	95,015	96,641
Employed	89,237	88,799	89,170	89,221	88,628	88,734	88,498	88,010	87,955	87,990	87,956	87,988	88,450
Unemployed	6,429	6,038	5,956	5,942	6,256	6,631	7,037	7,313	7,165	7,343	7,552	8,026	8,191
Unemployment rate	6.7	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5
Males, 20 years and over:													
Civilian labor force	50,920	50,633	50,598	50,701	50,712	50,811	50,981	50,943	50,757	50,812	50,903	51,124	51,394
Employed	48,092	47,939	48,157	48,350	47,948	47,790	47,549	47,449	47,410	47,430	47,351	47,393	47,535
Unemployed	2,828	2,694	2,541	2,651	2,764	3,021	3,232	3,493	3,347	3,382	3,552	3,731	3,859
Unemployment rate	5.6	5.3	5.0	5.2	5.5	5.9	6.4	6.9	6.6	6.7	7.0	7.3	7.5
Females, 20 years and over:													
Civilian labor force	36,597	35,490	36,612	36,554	36,294	36,742	36,332	35,733	35,598	36,660	37,038	37,179	37,423
Employed	34,422	34,404	34,481	34,534	34,155	34,517	34,513	34,368	34,380	34,427	34,475	34,499	34,682
Unemployed	2,175	2,086	2,131	2,020	2,139	2,225	2,319	2,365	2,319	2,433	2,564	2,690	2,746
Unemployment rate	5.9	5.7	5.8	5.5	5.9	6.1	6.4	6.4	6.5	6.6	6.9	7.2	7.3
Both sexes, 16 to 19 years:													
Civilian labor force	8,149	7,764	7,316	7,908	7,878	7,812	7,822	7,643	7,565	7,662	7,557	7,712	7,319
Employed	6,723	6,456	6,532	6,637	6,525	6,427	6,335	6,193	6,165	6,133	6,130	6,106	6,233
Unemployed	1,426	1,308	1,284	1,271	1,353	1,385	1,486	1,455	1,499	1,529	1,437	1,606	1,586
Unemployment rate	17.5	16.8	16.4	16.1	17.2	17.7	19.0	19.0	19.6	20.0	19.0	20.8	20.3
<b>BLACK AND OTHER</b>													
Total, 16 years and over:													
Civilian labor force	13,649	13,565	13,539	13,632	13,617	13,597	13,757	13,773	13,704	13,857	13,310	13,768	14,097
Employed	11,781	11,543	11,672	11,524	11,607	11,511	11,661	11,613	11,532	11,653	11,515	11,446	11,569
Unemployed	1,868	1,922	1,857	2,108	2,010	2,085	2,096	2,153	2,172	2,204	2,294	2,322	2,429
Unemployment rate	13.7	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2
Males, 20 years and over:													
Civilian labor force	6,547	6,479	6,494	6,556	6,551	6,573	6,595	6,614	6,563	6,649	6,620	6,704	6,759
Employed	5,779	5,682	5,722	5,745	5,715	5,711	5,594	5,647	5,630	5,588	5,522	5,667	5,709
Unemployed	768	797	762	811	836	862	901	967	933	961	998	1,037	1,050
Unemployment rate	11.7	12.3	11.9	12.4	12.8	13.1	13.7	14.5	14.2	14.5	15.1	15.5	15.5
Females, 20 years and over:													
Civilian labor force	6,041	6,081	6,062	6,387	6,085	6,096	6,147	6,163	6,152	6,163	6,199	6,145	6,324
Employed	5,305	5,340	5,321	5,313	5,281	5,301	5,359	5,355	5,388	5,338	5,321	5,248	5,437
Unemployed	736	741	741	774	804	795	788	808	764	826	878	897	917
Unemployment rate	12.2	12.2	12.2	12.7	13.2	13.0	12.8	13.1	12.4	13.4	14.2	14.6	14.5
Both sexes, 16 to 19 years:													
Civilian labor force	1,061	1,005	993	989	981	1,028	1,015	995	989	1,044	991	919	1,014
Employed	697	621	629	566	611	599	503	608	514	627	573	531	553
Unemployed	364	384	354	423	370	429	437	389	375	417	418	388	451
Unemployment rate	34.3	38.2	36.7	42.8	37.7	41.7	43.1	39.0	37.9	39.9	42.2	42.2	45.5

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-36. Major unemployment indicators, seasonally adjusted**

[Unemployment rates]

Category	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>CHARACTERISTIC</b>													
Total (all civilian workers)	7.3	7.4	7.2	7.3	7.5	3.3	3.3	8.8	3.5	8.8	9.0	9.4	9.5
Males, 20 years and over	6.3	6.1	5.8	6.0	6.2	5.7	7.1	7.3	7.5	7.6	7.9	8.2	8.4
Females, 20 years and over	6.7	6.6	6.7	6.6	6.3	7.3	7.2	7.4	7.2	7.6	7.9	8.3	8.3
Both sexes, 16-19 years	19.4	19.2	18.7	19.0	19.7	23.4	21.4	21.5	21.7	22.3	21.9	23.3	23.1
White	6.7	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	7.9	8.4	8.5
Black and other	13.7	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	16.6	16.9	17.2
Married men, spouse present	4.3	4.2	3.9	4.0	4.4	4.8	5.2	5.7	5.3	5.3	5.5	6.0	6.1
Married women, spouse present	5.8	5.7	5.7	5.5	6.0	6.1	6.5	5.5	5.2	7.0	7.1	7.8	7.4
Women who maintain families	10.4	10.7	11.2	10.1	10.7	13.6	13.8	10.5	10.4	10.2	10.5	11.5	11.8
Full-time workers	7.1	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	8.9	9.2	9.2
Part-time workers	9.6	9.2	9.3	9.6	9.5	9.5	10.2	3.2	9.6	10.8	10.0	10.9	10.5
Unemployed 15 weeks and over <sup>1</sup>	2.3	2.2	2.0	2.3	2.1	2.1	2.2	2.2	2.2	2.5	2.7	2.7	3.0
Labor force time lost <sup>2</sup>	8.6	7.9	7.9	7.9	8.5	9.1	9.5	10.1	10.0	9.8	10.4	10.4	11.1
<b>OCCUPATION</b>													
White-collar workers	4.3	3.9	4.0	3.9	4.1	4.1	4.2	4.5	4.2	4.6	4.8	4.9	4.9
Professional and technical	2.8	2.8	2.8	2.5	2.3	2.6	2.7	3.4	2.9	3.1	3.2	3.2	3.3
Managers and administrators, except farm	2.6	2.7	2.6	2.7	2.7	2.9	3.0	3.1	2.7	3.1	3.0	3.3	3.5
Sales workers	4.6	4.3	4.9	4.7	5.0	4.9	5.0	4.3	4.5	4.8	5.8	5.6	5.2
Clerical workers	5.6	5.4	5.7	5.7	5.3	5.0	5.0	5.2	6.3	6.7	6.9	7.2	6.3
Blue-collar workers	9.9	9.8	9.5	9.5	10.2	13.9	11.8	12.7	12.5	12.5	12.9	13.7	13.5
Craft and kindred workers	7.2	7.1	6.9	7.0	7.7	9.3	8.5	3.3	9.0	8.4	9.1	9.6	9.4
Operatives, except transport	11.8	11.1	11.1	11.1	11.5	12.8	14.1	15.5	15.4	15.4	15.9	16.9	16.5
Transport equipment operatives	8.2	8.1	7.3	8.0	8.7	9.0	10.4	13.3	10.2	10.3	10.4	10.7	11.3
Nonfarm laborers	13.5	14.7	14.4	13.2	14.5	15.6	16.0	16.3	16.9	17.9	17.9	19.2	18.3
Service workers	9.4	8.9	8.0	8.9	9.3	9.3	9.7	9.6	9.2	9.8	10.2	11.1	11.3
Farm workers	5.2	6.2	4.8	5.4	4.3	5.2	5.2	6.4	5.9	4.9	5.4	5.8	8.3
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers <sup>3</sup>	7.7	7.4	7.2	7.3	7.7	3.1	8.4	9.1	3.8	9.0	9.5	9.9	9.9
Construction	15.7	16.1	15.2	15.2	16.3	17.6	17.8	18.1	13.7	18.1	17.9	19.4	18.9
Manufacturing	7.8	7.4	7.3	7.0	7.3	3.6	3.4	11.0	10.4	10.6	10.3	11.3	11.5
Durable goods	7.4	7.1	7.1	6.5	7.7	8.6	9.5	11.3	11.0	11.3	10.8	11.9	12.2
Nondurable goods	8.6	7.9	7.6	7.9	8.3	8.6	9.3	9.6	9.5	9.5	10.8	10.5	10.7
Transportation	5.7	4.9	4.1	4.8	4.2	4.3	5.5	5.3	6.4	5.9	5.6	7.0	6.5
Wholesale and retail trade	8.3	7.7	7.9	7.9	8.5	3.4	8.6	8.9	8.7	9.0	10.3	10.1	10.5
Finance and service industries	5.8	5.8	5.7	5.7	6.3	5.2	5.1	6.4	5.9	6.5	6.9	7.0	6.9
Government workers	4.7	4.6	4.6	4.5	4.7	4.7	5.2	5.3	4.8	5.2	4.9	5.3	5.0
Agricultural wage and salary workers	11.3	13.3	10.7	12.3	11.3	13.4	14.1	14.3	16.2	12.8	14.3	14.6	19.2

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

as a percent of potentially available labor force hours.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part-time for economic reasons

<sup>3</sup> Includes mining, not shown separately.

**A-37. Unemployed persons by duration of unemployment, seasonally adjusted**

[Numbers in thousands]

Weeks of unemployment	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>DURATION</b>													
Less than 5 weeks	3,378	3,303	3,323	3,326	3,529	3,737	3,852	4,037	3,852	3,789	3,325	3,958	3,874
5 to 14 weeks	2,606	2,423	2,312	2,469	2,585	2,586	2,382	3,016	3,068	3,052	3,078	3,304	3,323
15 weeks and over	1,231	2,363	2,173	2,217	2,248	2,292	2,364	2,372	2,399	2,724	2,954	3,015	3,286
15 to 26 weeks	1,061	1,227	1,096	1,078	1,146	1,166	1,229	1,189	1,213	1,445	1,505	1,508	1,534
27 weeks and over	1,170	1,136	1,074	1,139	1,102	1,126	1,135	1,183	1,190	1,278	1,349	1,507	1,552
Average (mean) duration, in weeks	13.3	14.3	14.1	14.3	13.7	13.6	13.1	12.3	13.5	14.1	13.9	14.2	14.5
Median duration, in weeks	7.3	6.7	7.0	7.0	6.9	6.8	6.9	6.7	7.2	7.3	7.6	8.5	9.3
<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	41.1	43.8	42.6	41.5	42.2	42.7	42.3	42.8	41.3	39.6	38.8	33.5	37.0
5 to 14 weeks	31.7	30.0	29.6	30.8	30.9	30.9	31.7	32.0	32.9	31.9	31.2	32.1	31.7
15 weeks and over	27.2	29.2	27.8	27.7	26.9	25.4	25.0	25.2	25.7	28.5	30.0	29.3	31.4
15 to 26 weeks	12.9	15.2	14.0	13.5	13.7	13.4	13.5	12.6	13.0	15.1	16.3	14.7	15.5
27 weeks and over	14.2	14.0	13.8	14.2	13.2	13.0	12.5	12.6	12.8	13.4	13.7	14.7	15.8

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

Sex and age	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Total, 16 years and over</b> .....	7.5	7.4	7.2	7.3	7.5	7.0	8.3	8.8	9.5	8.8	9.0	9.4	9.5
16 to 19 years .....	19.4	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	21.9	23.0	23.1
16 to 17 years .....	21.3	22.6	19.8	20.8	21.4	21.5	22.6	21.9	21.9	22.7	22.7	24.6	25.3
18 to 19 years .....	17.7	17.5	17.8	17.5	18.5	20.0	20.5	21.2	21.3	22.0	21.3	21.9	21.3
20 to 24 years .....	12.6	12.1	11.5	12.1	12.3	12.7	13.0	13.5	13.5	14.1	14.2	14.7	14.3
25 years and over .....	5.2	5.3	5.2	5.2	5.4	5.7	5.0	6.5	6.3	6.4	6.9	7.0	7.1
25 to 54 years .....	5.3	5.6	5.5	5.5	5.8	6.2	6.5	6.9	6.7	6.8	7.3	7.4	7.7
55 years and over .....	3.4	3.5	3.5	3.5	3.3	3.8	3.8	4.1	4.2	4.3	4.5	5.0	4.8
<b>Males, 16 years and over</b> .....	7.3	7.2	6.7	7.1	7.3	7.7	8.3	9.0	9.6	8.7	9.0	9.4	9.5
16 to 19 years .....	20.0	20.0	18.8	19.8	19.9	20.1	21.8	22.3	22.1	22.5	23.5	24.4	24.0
16 to 17 years .....	22.3	24.0	19.9	21.5	21.5	21.1	22.7	22.5	23.0	23.0	24.3	24.7	26.3
18 to 19 years .....	18.0	18.2	17.9	18.3	18.7	19.3	21.0	22.2	21.4	22.1	22.9	24.3	21.9
20 to 24 years .....	13.8	12.9	11.6	12.9	13.1	13.8	14.4	14.8	14.9	15.4	15.7	16.0	15.5
25 years and over .....	4.7	5.0	4.7	4.9	5.0	5.5	5.8	6.5	6.3	6.3	6.6	6.9	5.9
25 to 54 years .....	5.1	5.2	5.0	5.2	5.5	5.9	6.3	6.9	6.7	6.7	7.1	7.2	7.5
55 years and over .....	3.4	3.4	3.4	3.4	3.5	3.7	3.7	4.4	4.3	4.2	4.8	5.1	4.7
<b>Females, 16 years and over</b> .....	7.8	7.7	7.8	7.7	8.0	8.2	8.4	8.5	8.4	8.9	9.0	9.4	9.5
16 to 19 years .....	18.7	18.4	18.6	18.2	19.5	20.7	20.9	20.5	21.2	22.1	20.1	21.3	22.1
16 to 17 years .....	20.2	21.1	19.7	20.0	21.2	21.9	22.5	21.1	20.6	22.5	20.9	24.5	24.1
18 to 19 years .....	17.4	16.8	17.7	16.9	18.3	20.6	19.9	20.0	21.1	21.9	19.6	19.4	20.5
20 to 24 years .....	11.2	11.2	11.3	11.1	11.4	11.5	11.3	12.0	11.9	12.7	12.6	13.3	12.9
25 years and over .....	5.8	5.7	5.8	5.6	6.0	5.1	6.4	6.4	6.3	6.5	7.0	7.2	7.4
25 to 54 years .....	5.4	6.1	6.1	6.0	6.3	5.5	6.8	6.9	5.7	7.0	7.6	7.7	8.0
55 years and over .....	3.4	3.5	3.7	3.7	4.3	4.0	3.8	3.7	4.1	4.3	4.3	4.8	5.0

**A-39. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reason for unemployment	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>NUMBER OF UNEMPLOYED</b>													
<b>Both sexes, 16 years and over:</b>													
Job losers .....	4,032	4,173	3,857	4,106	4,426	4,573	4,305	5,343	5,205	5,153	5,522	5,906	5,901
On layoff .....	1,357	1,302	1,225	1,276	1,452	1,631	1,825	2,042	1,860	1,740	1,828	1,946	1,959
Other job losers .....	2,675	2,871	2,642	2,830	2,974	2,942	3,079	3,301	3,345	3,413	3,794	3,959	3,932
Job leavers .....	1,004	896	926	879	921	976	916	923	835	964	885	937	874
Reentrants .....	2,106	2,039	2,078	2,034	2,058	2,178	2,339	2,244	2,079	2,277	2,249	2,365	2,438
New entrants .....	956	973	940	971	977	1,002	995	1,021	1,055	1,100	1,044	1,081	1,154
<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 .....	49.8	51.6	49.5	51.4	52.8	52.4	53.6	56.1	55.7	54.3	57.4	57.4	56.9
On layoff .....	16.8	15.1	15.7	16.0	17.3	18.7	19.9	21.4	20.3	18.3	18.7	18.9	19.0
Other job losers .....	33.0	35.5	33.8	35.4	35.5	33.7	33.6	34.5	36.5	35.9	38.7	38.5	37.9
Job leavers .....	12.4	11.1	11.9	11.0	11.0	11.2	10.0	9.7	9.1	10.2	9.0	9.1	8.4
Reentrants .....	26.0	25.2	25.6	25.5	24.6	25.0	23.5	23.5	22.7	24.0	22.9	23.0	23.5
New entrants .....	11.8	12.0	12.0	12.2	11.7	11.5	10.9	10.7	11.5	11.6	10.7	10.5	11.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.7	3.8	3.6	3.8	4.1	4.2	4.5	4.9	4.8	4.7	5.1	5.4	5.3
Job leavers .....	.9	.8	.9	.8	.9	.9	.8	.8	.8	.9	.8	.9	.8
Reentrants .....	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	1.9	2.1	2.1	2.2	2.2
New entrants .....	.9	.9	.9	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0	1.0

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-40. Employed persons by sex and age, seasonally adjusted**

[In thousands]

Sex and age	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Total, 16 years and over</b>	101,045	100,430	100,364	100,843	100,258	100,343	100,172	99,513	99,581	99,590	99,492	99,343	100,117
16 to 19 years	7,424	7,076	7,130	7,208	7,139	7,025	6,940	5,773	6,771	6,748	6,679	6,637	6,732
16 to 17 years	2,949	2,709	2,835	2,840	2,836	2,762	2,763	2,703	2,705	2,530	2,642	2,610	2,629
18 to 19 years	4,484	4,350	4,326	4,345	4,326	4,260	4,192	4,083	4,065	4,067	4,060	4,027	4,157
20 to 24 years	14,178	14,094	14,264	14,134	14,036	14,078	13,970	13,235	13,316	13,788	13,811	13,730	13,820
25 years and over	79,462	79,330	79,464	79,453	79,328	79,228	79,202	78,881	78,360	79,045	78,978	78,973	79,509
25 to 54 years	64,798	64,754	64,930	65,014	64,676	64,829	64,863	64,567	64,722	64,853	64,643	64,670	65,353
55 years and over	14,640	14,542	14,535	14,471	14,372	14,377	14,337	14,332	14,282	14,158	14,299	14,298	14,449
<b>Males, 16 years and over</b>	57,793	57,279	57,540	57,551	57,471	57,266	57,051	56,725	56,629	56,658	55,472	55,401	56,820
16 to 19 years	3,909	3,682	3,765	3,760	3,778	3,762	3,697	3,603	3,582	3,561	3,465	3,412	3,550
16 to 17 years	1,543	1,412	1,498	1,531	1,533	1,522	1,495	1,448	1,446	1,439	1,387	1,385	1,417
18 to 19 years	2,379	2,260	2,251	2,257	2,266	2,241	2,209	2,163	2,134	2,123	2,094	2,020	2,158
20 to 24 years	7,531	7,483	7,646	7,552	7,523	7,449	7,373	7,330	7,321	7,288	7,245	7,233	7,231
25 years and over	46,374	46,168	46,253	46,244	46,160	46,046	45,940	45,709	45,686	45,786	45,762	45,782	45,967
25 to 54 years	37,560	37,448	37,507	37,565	37,519	37,406	37,364	37,092	37,127	37,235	37,173	37,194	37,351
55 years and over	8,814	8,729	8,736	8,679	8,658	8,621	8,590	8,533	8,582	8,523	8,578	8,591	8,541
<b>Females, 16 years and over</b>	43,252	43,151	43,224	43,233	42,787	43,077	43,121	42,833	42,952	42,932	43,020	42,940	43,297
16 to 19 years	3,515	3,394	3,414	3,448	3,361	3,263	3,243	3,175	3,189	3,137	3,213	3,225	3,222
16 to 17 years	1,406	1,297	1,337	1,333	1,303	1,247	1,273	1,255	1,259	1,251	1,255	1,225	1,212
18 to 19 years	2,105	2,090	2,365	2,088	2,060	2,019	1,984	1,925	1,931	1,944	1,966	2,007	2,009
20 to 24 years	6,647	6,611	6,618	6,632	6,563	6,629	6,597	6,555	6,495	6,500	6,555	6,523	6,539
25 years and over	33,088	33,162	33,211	33,239	32,868	33,182	33,262	33,172	33,274	33,259	33,216	33,192	33,542
25 to 54 years	27,238	27,306	27,423	27,449	27,157	27,423	27,504	27,475	27,595	27,618	27,475	27,476	27,718
55 years and over	5,826	5,813	5,799	5,792	5,714	5,756	5,747	5,724	5,701	5,635	5,721	5,707	5,809

**A-41. Unemployed persons by sex and age, seasonally adjusted**

[In thousands]

Sex and age	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Total, 16 years and over</b>	8,248	8,004	7,824	7,973	8,236	8,669	9,100	9,571	9,298	9,575	9,854	10,307	10,549
16 to 19 years	1,782	1,683	1,554	1,634	1,749	1,801	1,986	1,853	1,372	1,938	1,870	1,979	2,037
16 to 17 years	799	791	599	746	772	757	303	759	760	792	775	651	891
18 to 19 years	964	924	938	931	983	1,062	1,080	1,093	1,098	1,149	1,099	1,330	1,126
20 to 24 years	2,047	1,942	1,847	1,949	1,972	2,054	2,083	2,163	2,161	2,271	2,293	2,374	2,333
25 years and over	4,331	4,398	4,324	4,323	4,540	4,828	5,091	5,431	5,282	5,401	5,748	5,962	6,095
25 to 54 years	3,871	3,845	3,786	3,819	4,010	4,255	4,536	4,804	4,649	4,756	5,065	5,186	5,428
55 years and over	509	522	534	526	572	574	562	620	524	530	691	752	732
<b>Males, 16 years and over</b>	4,571	4,415	4,171	4,385	4,506	4,798	5,133	5,573	5,338	5,384	5,610	5,346	6,029
16 to 19 years	976	918	873	925	937	947	1,023	1,035	1,016	1,033	1,062	1,104	1,125
16 to 17 years	442	445	372	411	421	408	438	424	433	429	445	454	505
18 to 19 years	521	502	494	505	521	537	587	615	581	604	621	647	606
20 to 24 years	1,206	1,106	1,005	1,120	1,131	1,194	1,245	1,273	1,284	1,324	1,346	1,377	1,333
25 years and over	2,280	2,405	2,292	2,351	2,455	2,670	2,934	3,199	3,055	3,071	3,247	3,383	3,422
25 to 54 years	2,001	2,065	1,990	2,067	2,173	2,346	2,522	2,762	2,662	2,675	2,820	2,895	3,031
55 years and over	307	311	310	303	317	333	333	337	383	377	431	461	428
<b>Females, 16 years and over</b>	3,677	3,589	3,653	3,593	3,730	3,871	3,967	3,993	3,960	4,191	4,243	4,461	4,520
16 to 19 years	806	765	781	763	812	854	858	913	856	905	803	875	912
16 to 17 years	357	346	327	335	351	349	370	335	327	363	330	397	385
18 to 19 years	443	422	444	426	462	525	493	482	517	545	478	483	520
20 to 24 years	841	836	842	829	841	860	843	830	877	947	947	998	959
25 years and over	2,051	1,993	2,032	1,957	2,385	2,158	2,257	2,232	2,228	2,330	2,501	2,578	2,673
25 to 54 years	1,870	1,780	1,796	1,752	1,837	1,909	2,014	2,042	1,987	2,081	2,245	2,291	2,397
55 years and over	202	211	224	223	255	241	229	223	241	253	260	291	304

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-42. Employed persons by selected social and economic categories, seasonally adjusted**

[In thousands]

Category	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>CHARACTERISTIC</b>													
Total, 16 years and over .....	101045	100430	100854	100840	100258	100343	100172	99,613	99,581	99,590	99,492	99,340	100117
Married men, spouse present .....	39,120	38,330	38,961	38,961	38,855	38,746	38,553	38,342	38,234	38,255	38,181	38,142	38,312
Married women, spouse present .....	24,192	24,106	24,159	24,043	23,626	23,874	23,820	23,691	23,744	23,727	23,900	23,831	24,213
<b>OCCUPATION</b>													
White-collar workers .....	53,016	52,957	52,307	53,141	52,908	53,199	53,086	53,084	52,336	52,841	52,763	53,177	53,705
Professional and technical Managers and administrators, except farm .....	16,093	16,410	16,364	16,621	16,598	15,581	16,657	16,773	15,903	16,612	16,659	16,844	16,818
Sales workers .....	11,488	11,411	11,578	11,463	11,533	11,516	11,461	11,424	11,091	11,253	11,311	11,501	11,541
Clerical workers .....	6,562	6,513	6,373	6,490	6,441	6,400	6,418	6,453	6,520	6,544	6,537	6,603	6,587
Blue-collar workers .....	18,873	18,623	18,592	18,570	18,336	18,502	18,550	18,435	18,423	18,432	18,155	18,229	18,759
Craft and kindred workers .....	31,796	31,538	31,580	31,611	31,266	30,953	30,583	30,344	30,203	30,309	30,416	29,924	29,926
Operatives, except transport Transport equipment operatives .....	12,911	12,749	12,787	12,724	12,514	12,446	12,411	12,445	12,370	12,454	12,511	12,492	12,316
Nonfarm laborers .....	10,716	10,703	10,719	10,658	10,524	10,410	10,220	10,169	9,966	9,955	9,860	9,688	9,585
Farm workers .....	3,466	3,493	3,526	3,530	3,506	3,530	3,438	3,368	3,415	3,503	3,397	3,400	3,419
Service workers .....	4,703	4,593	4,548	4,699	4,722	4,517	4,514	4,361	4,451	4,397	4,548	4,343	4,507
Farm workers .....	13,470	13,214	13,526	13,282	13,391	13,525	13,573	13,639	13,739	13,612	13,526	13,555	13,738
Farm workers .....	2,748	2,710	2,727	2,753	2,743	2,770	2,302	2,663	2,817	2,787	2,710	2,623	2,731
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,499	1,437	1,495	1,501	1,461	1,502	1,436	1,352	1,377	1,426	1,416	1,423	1,541
Self-employed workers .....	1,654	1,554	1,593	1,638	1,643	1,531	1,641	1,602	1,674	1,596	1,544	1,664	1,698
Unpaid family workers .....	235	263	244	256	256	261	321	223	380	359	277	270	236
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	90,402	89,508	89,971	89,995	89,376	89,460	89,238	88,991	88,759	88,586	88,525	88,322	89,051
Government .....	15,776	15,707	15,637	15,526	15,475	15,491	15,397	15,585	15,578	15,527	15,492	15,453	15,422
Private industries .....	74,626	73,801	74,334	74,469	73,901	73,969	73,841	73,406	73,181	73,059	73,034	72,869	73,529
Private households .....	1,192	1,177	1,216	1,259	1,102	1,152	1,204	1,291	1,248	1,161	1,225	1,192	1,202
Other industries .....	73,434	72,624	73,118	73,210	72,799	72,807	72,637	72,115	71,932	71,898	71,809	71,677	72,327
Self-employed workers .....	6,966	7,128	7,071	7,103	7,217	7,152	7,141	7,057	6,971	7,055	7,126	7,264	7,259
Unpaid family workers .....	356	376	389	387	399	451	425	410	410	408	434	413	382
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	91,745	91,500	92,532	91,569	90,878	91,384	91,323	90,922	90,125	90,892	90,548	90,596	91,282
Full-time schedules .....	74,871	74,693	75,620	74,467	73,794	73,886	73,915	73,363	72,303	73,028	72,549	72,335	73,036
Part-time for economic reasons .....	4,264	4,033	4,374	4,350	4,656	5,309	5,326	5,288	5,371	5,563	5,717	5,834	5,763
Usually work full-time .....	1,657	1,455	1,633	1,729	1,759	2,006	1,345	2,121	1,783	2,193	2,237	2,223	2,211
Usually work part-time .....	2,607	2,568	2,694	2,621	2,897	3,003	3,081	3,167	3,287	3,370	3,480	3,611	3,552
Part time for noneconomic reasons .....	12,610	12,774	12,538	12,752	12,428	12,489	12,382	12,274	12,251	12,300	12,183	12,427	12,433

<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.

**A-43. Employment status of male Vietnam-era veterans and nonveterans by age**

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	May 1981	May 1982	
<b>VETERANS</b>										
Total, 25 years and over	8,526	8,682	3,085	3,220	7,649	7,535	436	685	5.4	8.3
25 to 29 years	7,323	7,172	7,039	6,396	6,636	6,275	403	621	5.7	9.0
25 to 29 years	1,516	1,252	1,423	1,160	1,290	964	133	196	9.3	15.9
30 to 34 years	3,368	2,988	3,254	2,880	3,078	2,564	176	216	5.4	7.5
35 to 39 years	2,439	2,932	2,362	2,856	2,268	2,547	94	209	4.0	7.3
40 years and over	1,203	1,510	1,046	1,324	1,013	1,260	33	64	3.2	4.8
<b>NONVETERANS</b>										
Total, 25 to 39 years	17,098	18,089	15,276	17,164	15,349	15,762	927	1,402	5.7	8.2
25 to 29 years	7,818	8,130	7,411	7,670	6,919	6,958	492	712	6.6	9.3
30 to 34 years	5,416	5,906	5,172	5,650	4,879	5,207	293	443	5.7	7.8
35 to 39 years	3,864	4,053	3,693	3,844	3,551	3,597	142	247	3.8	6.4

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who have never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

# ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

## B-1. Employees on nonagricultural payrolls by industry division, 1930 to date

(In thousands)

Year and month	Goods-producing						Service-producing							Government		
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Total	Federal	State and local		
							Total	Wholesale trade	Retail trade							
<b>Annual averages</b>																
1930.....	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622	
1931.....	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704	
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666	
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601	
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647	
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728	
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842	
1937.....	31,011	12,936	1,015	1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923	
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054	
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090	
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206	
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320	
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270	
1943.....	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175	
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116	
1945.....	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137	
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341	
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582	
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787	
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948	
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098	
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,647	6,389	2,302	4,087	
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188	
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340	
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563	
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727	
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069	
1957.....	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399	
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648	
1959 <sup>1</sup> .....	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850	
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083	
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315	
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550	
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868	
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,348	8,823	2,911	8,660	9,596	2,348	7,248	
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696	
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220	
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672	
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102	
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437	
1970.....	70,880	23,578	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823	
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185	
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649	
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068	
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446	
1975.....	76,945	22,600	672	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937	
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138	
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399	
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,672	2,753	12,919	
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,947	2,773	13,174	
1980.....	90,406	25,658	1,027	4,346	20,285	64,748	5,146	20,310	5,275	15,335	5,160	17,890	16,241	2,866	13,375	
1981.....	91,105	25,481	1,132	4,176	20,173	65,625	5,157	20,551	5,359	15,192	5,301	18,592	16,024	2,772	13,253	
<b>Monthly data, seasonally adjusted</b>																
<b>1981:</b>																
May.....	91,131	25,540	985	4,223	20,332	65,591	5,158	20,543	5,361	15,182	5,295	18,517	16,078	2,776	13,302	
June.....	91,286	25,656	1,137	4,185	20,334	65,630	5,162	20,590	5,366	15,224	5,302	18,556	16,020	2,777	13,243	
July.....	91,396	25,718	1,164	4,175	20,379	65,678	5,168	20,620	5,375	15,245	5,311	18,615	15,964	2,775	13,189	
August.....	91,322	25,637	1,180	4,146	20,311	65,685	5,168	20,650	5,387	15,263	5,319	18,654	15,894	2,769	13,125	
September.....	91,363	25,583	1,192	4,124	20,297	65,780	5,181	20,660	5,383	15,277	5,328	18,707	15,904	2,764	13,140	
October.....	91,224	25,393	1,195	4,101	20,097	65,831	5,162	20,654	5,380	15,274	5,325	18,773	15,917	2,757	13,160	
November.....	90,996	25,176	1,202	4,071	19,903	65,820	5,150	20,623	5,375	15,248	5,324	18,815	15,908	2,749	13,159	
December.....	90,642	24,908	1,206	4,026	19,676	65,734	5,128	20,524	5,357	15,167	5,331	18,834	15,917	2,755	13,161	
<b>1982:</b>																
January.....	90,460	24,684	1,201	3,966	19,517	65,776	5,125	20,630	5,346	15,284	5,326	18,831	15,864	2,741	13,123	
February.....	90,459	24,631	1,203	3,974	19,454	65,828	5,115	20,670	5,343	15,327	5,326	18,867	15,850	2,737	13,113	
March.....	90,304	24,450	1,197	3,934	19,319	65,854	5,100	20,655	5,336	15,319	5,336	18,904	15,859	2,736	13,123	
April.....	89,993	24,22														



# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
-	<b>TOTAL</b> .....	90,983	91,432	89,679	89,897	90,259	-	-	-	-	-
-	<b>PRIVATE SECTOR</b> .....	74,550	75,044	73,503	73,752	74,100	60,479	60,394	59,257	59,486	59,808
-	<b>MINING</b> .....	968	986	1,178	1,171	1,159	701	715	855	849	840
10	<b>METAL MINING</b> .....	104.4	105.3	86.6	85.9	-	78.7	79.0	64.3	64.0	-
101	Iron ores .....	21.9	22.3	15.2	15.4	-	17.3	17.4	11.3	11.3	-
102	Copper ores .....	36.3	36.5	31.6	31.4	-	28.1	28.1	23.8	23.9	-
11, 12	<b>COAL MINING</b> .....	91.4	89.5	249.9	248.0	-	75.9	73.9	206.2	204.9	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	87.8	88.0	246.5	244.6	-	72.7	72.6	203.2	201.8	-
13	<b>OIL AND GAS EXTRACTION</b> .....	652.7	667.8	735.3	724.8	-	454.1	467.3	505.8	495.1	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	252.6	256.8	283.3	283.2	-	109.5	112.4	121.0	122.0	-
138	Oil and gas field services .....	400.1	411.0	452.0	441.6	-	344.6	354.9	384.8	373.1	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	119.6	123.0	106.3	112.3	-	91.9	94.7	79.1	84.8	-
142	Crushed and broken stone .....	38.0	39.2	30.9	34.3	-	31.1	32.3	24.1	27.3	-
144	Sand and gravel .....	33.8	35.6	28.6	31.3	-	-	-	-	-	-
147	Chemical and fertilizer minerals .....	27.2	27.5	26.4	26.1	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	4,128	4,235	3,631	3,750	3,907	3,210	3,311	2,733	2,846	3,008
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	1,079.6	1,098.7	914.4	928.8	-	809.5	829.4	661.5	677.2	-
152	Residential building construction .....	510.9	525.6	419.5	429.3	-	370.6	384.5	287.8	298.4	-
153	Operative builders .....	52.9	63.1	49.0	49.8	-	33.5	34.5	24.4	25.1	-
154	Nonresidential building construction .....	505.9	510.0	445.9	449.2	-	405.4	410.4	349.3	353.7	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	885.4	934.8	781.3	824.3	-	710.5	758.0	607.9	649.2	-
161	Highway and street construction .....	239.2	267.1	169.7	197.5	-	196.9	224.6	131.9	159.8	-
162	Heavy construction, except highway .....	646.2	667.7	611.6	626.8	-	513.6	533.4	476.0	489.4	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	2,163.4	2,201.9	1,935.7	1,996.8	-	1,689.8	1,723.7	1,463.3	1,520.0	-
171	Plumbing, heating, air conditioning .....	515.2	514.2	485.7	481.2	-	382.2	379.4	350.6	346.7	-
172	Painting, paper hanging, decorating .....	128.0	135.4	112.8	121.4	-	105.1	112.2	90.2	98.0	-
173	Electrical work .....	405.6	408.1	392.3	388.4	-	311.1	313.6	298.3	295.4	-
174	Masonry, stonework, and plastering .....	328.2	332.2	275.0	288.1	-	281.0	283.7	228.7	241.4	-
175	Carpentering and flooring .....	121.9	125.4	102.7	105.7	-	92.0	95.4	73.4	76.1	-
176	Roofing and sheet metal work .....	151.1	152.7	132.5	144.6	-	120.4	122.1	101.6	113.3	-
-	<b>MANUFACTURING</b> .....	20,176	20,262	19,207	19,059	19,049	14,075	14,141	13,093	12,961	12,955
24, 25, 32-39	<b>DURABLE GOODS</b> .....	12,182	12,220	11,454	11,341	11,323	8,400	8,426	7,664	7,561	7,549
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	7,994	8,042	7,753	7,718	7,726	5,675	5,715	5,429	5,400	5,417
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	676.5	692.6	592.0	602.2	614.1	562.9	573.2	483.9	493.6	504.3
241	Logging camps and logging contractors .....	76.0	81.4	67.4	68.3	-	58.8	63.8	50.9	51.4	-
242	Sawmills and planing mills .....	209.9	214.5	186.7	190.9	-	185.3	190.3	163.6	166.9	-
2421	Sawmills and planing mills, general .....	174.4	178.9	156.1	159.2	-	154.7	159.3	137.3	140.4	-
2426	Hardwood dimension and flooring .....	30.6	30.9	26.5	26.3	-	26.4	26.8	22.6	22.4	-
243	Millwork, plywood, and structural members .....	197.3	200.4	164.8	167.9	-	163.3	166.1	132.0	135.2	-
2431	Millwork .....	69.0	70.2	57.9	58.6	-	55.5	56.6	44.6	45.3	-
2434	Wood kitchen cabinets .....	47.5	47.7	38.2	39.9	-	38.3	38.4	29.6	31.2	-
2435	Hardwood veneer and plywood .....	25.3	25.7	22.3	22.4	-	22.2	22.7	19.3	19.6	-
2436	Softwood veneer and plywood .....	40.6	41.3	34.7	34.8	-	36.2	36.8	30.0	30.2	-
244	Wood containers .....	42.2	42.8	39.5	40.6	-	36.1	36.8	33.2	34.3	-
245	Wood buildings and mobile homes .....	69.3	71.4	58.8	60.9	-	50.9	52.6	42.0	43.9	-
2451	Mobile homes .....	49.2	50.8	45.5	47.3	-	37.5	38.8	34.2	36.0	-
249	Miscellaneous wood products .....	81.9	82.1	74.8	74.5	-	68.5	68.6	62.2	61.9	-
25	<b>FURNITURE AND FIXTURES</b> .....	468.7	469.5	446.3	443.9	440.7	378.4	378.9	353.6	350.8	348.3
251	Household furniture .....	303.7	303.1	279.7	278.1	-	254.9	254.3	230.9	228.9	-
2511	Wood household furniture .....	135.7	135.6	124.0	123.5	-	117.7	117.7	106.6	105.9	-
2512	Upholstered household furniture .....	90.1	89.9	83.5	83.9	-	74.0	74.0	66.9	66.4	-
2514	Metal household furniture .....	32.5	32.7	30.8	30.6	-	26.8	26.7	24.8	24.5	-
2515	Mattresses and bedsprings .....	30.9	30.8	28.5	28.6	-	23.7	23.7	21.5	21.4	-
252	Office furniture .....	53.6	53.6	54.7	54.2	-	42.0	41.8	41.9	41.7	-
253	Public building and related furniture .....	22.6	23.0	23.4	23.1	-	15.7	17.3	17.6	17.2	-
254	Partitions and fixtures .....	59.8	60.4	58.4	58.2	-	44.7	45.2	42.6	42.5	-
259	Miscellaneous furniture and fixtures .....	29.3	29.4	30.1	30.3	-	20.1	20.3	20.6	20.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1872 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>32</b>	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	<b>640.8</b>	<b>647.9</b>	<b>574.2</b>	<b>580.2</b>	<b>587.8</b>	<b>493.8</b>	<b>500.2</b>	<b>433.0</b>	<b>438.0</b>	<b>445.5</b>
321	Flat glass	18.8	18.5	15.5	15.5	-	14.5	14.2	11.7	11.8	-
322	Glass and glassware, pressed or blown	121.1	122.4	114.6	112.3	-	102.1	103.3	96.5	94.0	-
3221	Glass containers	67.7	68.9	64.2	63.6	-	59.3	60.4	56.3	55.6	-
3229	Pressed and blown glass, nec	53.4	53.5	50.4	48.7	-	42.8	42.9	40.2	38.4	-
323	Products of purchased glass	44.2	44.4	40.9	40.6	-	30.1	30.1	27.3	26.8	-
324	Cement, hydraulic	30.5	30.3	28.4	28.8	-	24.0	24.0	22.3	22.6	-
325	Structural clay products	42.1	43.0	33.6	33.8	-	31.8	32.8	24.4	24.6	-
326	Pottery and related products	42.7	42.6	39.4	39.0	-	35.2	35.0	32.1	31.7	-
327	Concrete, gypsum, and plaster products	196.1	199.7	164.8	173.5	-	150.5	154.2	121.9	130.0	-
3271	Concrete block and brick	19.5	20.0	16.4	17.2	-	13.6	14.0	10.6	11.3	-
3272	Concrete products, nec	66.1	67.0	58.6	60.4	-	49.1	50.0	42.4	44.0	-
3273	Ready-mixed concrete	30.9	32.9	27.8	28.9	-	21.8	24.1	18.9	20.3	-
329	Misc. nonmetallic mineral products	134.2	136.1	125.4	124.7	-	96.6	97.9	87.5	86.8	-
3291	Abrasive products	27.4	27.6	26.0	25.5	-	18.6	18.6	16.8	16.2	-
3292	Asbestos products	15.9	16.1	14.5	14.3	-	12.3	12.3	10.7	10.6	-
3296	Mineral wool	29.3	29.6	27.2	26.9	-	-	-	-	-	-
<b>33</b>	<b>PRIMARY METAL INDUSTRIES</b>	<b>1,142.6</b>	<b>1,140.0</b>	<b>1,004.4</b>	<b>977.9</b>	<b>960.6</b>	<b>883.5</b>	<b>879.4</b>	<b>753.9</b>	<b>729.7</b>	<b>714.7</b>
331	Blast furnace and basic steel products	517.1	517.1	439.9	425.9	-	403.9	402.8	330.4	318.0	-
3312	Blast furnaces and steel mills	432.1	431.6	364.9	352.5	-	338.7	337.3	274.8	263.7	-
3317	Steel pipe and tubes	31.6	32.0	28.3	28.1	-	24.7	25.1	21.2	21.0	-
332	Iron and steel foundries	205.4	203.9	180.9	173.2	-	164.7	163.1	141.5	134.1	-
3321	Gray iron foundries	122.9	123.0	107.3	103.2	-	100.5	100.6	86.0	82.2	-
3322	Malleable iron foundries	16.6	16.3	14.1	13.7	-	12.9	12.6	10.6	10.2	-
3325	Steel foundries, nec	52.2	51.1	47.0	44.1	-	41.2	40.1	36.4	33.6	-
333	Primary nonferrous metals	70.9	70.7	62.9	62.2	-	53.3	53.4	46.0	45.1	-
3334	Primary aluminum	37.3	37.3	31.0	30.9	-	28.8	29.0	23.3	23.0	-
335	Nonferrous rolling and drawing	208.6	207.7	191.1	189.4	-	149.6	148.2	135.8	134.5	-
3351	Copper rolling and drawing	29.2	28.4	26.1	25.9	-	21.9	20.9	19.4	19.2	-
3353	Aluminum sheet, plate, and foil	35.5	35.7	30.8	30.7	-	27.3	27.4	23.5	23.5	-
3357	Nonferrous wire drawing and insulating	88.9	88.3	82.4	82.0	-	64.5	63.7	58.3	58.1	-
336	Nonferrous foundries	91.2	91.1	83.3	81.6	-	74.3	74.2	66.2	64.6	-
3361	Aluminum foundries	53.2	53.2	48.0	46.9	-	44.4	44.4	39.0	38.0	-
<b>34</b>	<b>FABRICATED METAL PRODUCTS</b>	<b>1,603.3</b>	<b>1,605.6</b>	<b>1,491.3</b>	<b>1,478.5</b>	<b>1,464.3</b>	<b>1,184.2</b>	<b>1,186.9</b>	<b>1,076.7</b>	<b>1,064.8</b>	<b>1,057.2</b>
341	Metal cans and shipping containers	72.4	72.5	67.7	67.0	-	61.2	61.4	57.2	56.5	-
3411	Metal cans	59.1	59.3	55.5	54.7	-	50.5	50.8	47.7	46.9	-
342	Cutlery, hand tools, and hardware	162.9	162.1	143.4	141.7	-	125.4	124.5	105.8	104.4	-
3423.5	Hand and edge tools, and hand saws and blades	55.5	55.7	50.7	49.5	-	42.5	42.6	38.3	37.3	-
3429	Hardware, nec	91.8	91.4	78.7	78.6	-	70.8	70.5	57.7	57.7	-
343	Plumbing and heating, except electric	68.2	67.9	66.7	66.1	-	49.1	48.8	46.5	45.8	-
3432	Plumbing fittings and brass goods	26.3	26.6	27.1	27.3	-	21.2	21.4	21.4	21.5	-
3433	Heating equipment, except electric	31.0	30.4	29.2	28.3	-	20.4	19.9	18.6	18.2	-
344	Fabricated structural metal products	508.1	508.3	472.5	468.0	-	345.9	346.5	314.3	310.9	-
3441	Fabricated structural metal	100.9	100.3	93.7	92.5	-	72.0	71.5	65.6	64.8	-
3442	Metal doors, sash, and trim	79.7	81.6	72.7	72.9	-	57.6	59.5	51.2	51.5	-
3443	Fabricated plate work (boiler shops)	150.8	150.0	140.7	137.3	-	91.5	90.6	83.2	80.5	-
3444	Sheet metal work	107.8	107.7	103.4	103.7	-	78.3	78.4	74.1	74.2	-
3446	Architectural metal work	30.8	30.7	28.8	28.4	-	21.9	21.8	20.0	19.4	-
345	Screw machine products, bolts, etc.	106.4	105.7	97.2	95.6	-	81.8	81.0	73.3	72.0	-
3451	Screw machine products	47.9	47.8	45.0	44.4	-	39.0	38.9	35.6	35.1	-
3452	Bolts, nuts, rivets, and washers	58.5	57.9	52.2	51.2	-	42.8	42.1	37.7	36.9	-
346	Metal forgings and stampings	264.2	266.3	234.7	233.2	-	209.8	211.9	183.7	183.4	-
3462	Iron and steel forgings	45.0	45.3	39.4	37.5	-	35.0	35.1	30.1	28.5	-
3465	Automotive stampings	98.5	100.7	84.2	86.0	-	81.6	83.8	69.8	72.2	-
3469	Metal stampings, nec	107.9	107.5	99.2	97.9	-	83.2	83.0	74.7	73.8	-
347	Metal services, nec	101.5	101.6	96.6	96.5	-	81.7	81.9	76.8	76.8	-
3471	Plating and polishing	69.6	69.6	65.1	65.2	-	56.9	57.0	52.9	53.1	-
3479	Metal coating and allied services	31.9	32.0	31.5	31.3	-	24.8	24.9	23.9	23.7	-
348	Ordnance and accessories, nec	68.9	68.9	71.3	70.8	-	44.9	44.9	45.7	45.8	-
3483	Ammunition, exc. for small arms, nec	26.6	26.6	27.0	26.6	-	17.5	17.4	17.5	17.6	-
349	Misc. fabricated metal products	250.7	252.3	241.2	235.6	-	184.4	186.0	173.4	169.2	-
3494	Valves and pipe fittings	104.4	104.8	101.6	99.5	-	72.0	72.3	68.2	66.5	-
3496	Misc. fabricated wire products	53.4	53.3	51.8	51.2	-	41.5	41.6	39.4	38.9	-
<b>35</b>	<b>MACHINERY, EXCEPT ELECTRICAL</b>	<b>2,497.6</b>	<b>2,501.3</b>	<b>2,428.8</b>	<b>2,383.3</b>	<b>2,360.6</b>	<b>1,588.0</b>	<b>1,587.0</b>	<b>1,499.3</b>	<b>1,459.0</b>	<b>1,437.1</b>
351	Engines and turbines	130.8	132.2	123.8	121.7	-	83.2	84.0	77.6	75.0	-
3511	Turbines and turbine generator sets	46.2	45.6	44.1	44.4	-	24.6	24.0	23.7	23.5	-
3519	Internal combustion engines, nec	84.6	86.6	79.7	77.3	-	58.6	60.0	53.9	51.5	-
352	Farm and garden machinery	162.7	157.5	134.3	127.0	-	109.9	105.3	86.6	81.0	-
3523	Farm machinery and equipment	140.9	137.6	109.6	102.0	-	94.1	91.4	68.1	62.4	-
353	Construction and related machinery	396.9	396.6	356.3	382.8	-	261.7	260.9	255.0	242.8	-
3531	Construction machinery	144.0	143.2	135.9	128.9	-	96.5	95.6	85.9	79.4	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery.....	39.1	38.1	36.9	36.1	-	24.5	23.7	22.9	22.1	-
3533	Oil field machinery.....	114.8	116.4	128.9	126.1	-	79.6	80.9	90.1	87.5	-
3535	Conveyers and conveying equipment.....	34.5	34.5	33.8	33.2	-	19.5	19.4	18.3	17.9	-
3537	Industrial trucks and tractors.....	34.7	34.8	32.0	30.9	-	23.2	23.3	20.1	19.2	-
354	Metalworking machinery.....	364.5	366.2	344.5	336.6	-	264.9	265.8	243.6	237.2	-
3541	Machine tools, metal cutting types.....	80.7	79.9	72.2	68.4	-	53.0	52.2	45.1	42.3	-
3542	Machine tools, metal forming types.....	24.2	24.4	22.9	22.1	-	15.3	15.4	14.2	13.7	-
3544	Special dies, tools, jigs, and fixtures.....	136.9	137.6	132.3	131.2	-	109.6	109.7	103.5	102.4	-
3545	Machine tool accessories.....	69.4	69.7	66.2	64.9	-	49.0	49.3	45.6	44.2	-
3546	Power driven hand tools.....	30.4	30.7	27.6	27.1	-	23.2	23.6	20.2	19.9	-
355	Special industry machinery.....	201.7	200.5	187.1	184.5	-	128.0	127.1	115.7	113.5	-
3551	Food products machinery.....	45.0	44.2	42.7	42.0	-	28.9	28.2	27.2	26.8	-
3552	Textile machinery.....	26.6	26.4	23.9	23.4	-	18.6	18.4	16.0	15.5	-
3555	Printing trades machinery.....	38.6	38.6	38.2	38.0	-	23.9	23.9	23.3	22.9	-
356	General industrial machinery.....	322.3	321.3	305.8	300.2	-	209.4	208.5	194.7	190.1	-
3561	Pumps and pumping equipment.....	62.2	61.9	61.5	60.2	-	36.4	36.3	35.8	34.9	-
3562	Ball and roller bearings.....	58.4	57.7	51.4	50.7	-	45.4	44.8	38.7	37.8	-
3563	Air and gas compressors.....	31.7	31.7	31.0	30.7	-	18.9	18.9	17.5	17.2	-
3564	Blowers and fans.....	40.9	41.3	38.5	38.8	-	25.5	25.9	23.9	24.0	-
3566	Speed changers, drives, and gears.....	26.9	27.0	24.9	23.7	-	17.9	17.9	17.1	16.0	-
3568	Power transmission equipment, nec.....	22.7	22.9	21.8	21.6	-	16.0	16.1	15.2	14.9	-
357	Office and computing machines.....	452.4	456.2	485.1	484.0	-	184.9	185.5	194.7	192.6	-
3573	Electronic computing equipment.....	377.8	381.3	413.5	413.7	-	144.9	145.4	158.2	156.3	-
358	Refrigeration and service machinery.....	176.7	178.6	168.6	166.7	-	123.8	125.4	116.2	114.8	-
3585	Refrigeration and heating equipment.....	121.9	122.7	113.9	112.4	-	86.4	86.9	79.5	78.3	-
359	Misc. machinery, except electrical.....	289.6	292.2	283.3	279.8	-	222.2	224.5	215.2	212.0	-
3592	Carburetors, pistons, rings, valves.....	38.4	38.9	35.3	35.4	-	31.5	31.8	27.4	27.6	-
3599	Machinery, except electrical, nec.....	251.2	253.3	248.0	244.4	-	190.7	192.7	187.8	184.4	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT.....</b>	<b>2,088.5</b>	<b>2,093.1</b>	<b>2,034.2</b>	<b>2,030.0</b>	<b>2,030.8</b>	<b>1,317.6</b>	<b>1,321.0</b>	<b>1,246.3</b>	<b>1,242.6</b>	<b>1,245.6</b>
361	Electric distributing equipment.....	121.6	122.0	115.1	113.5	-	86.2	86.6	81.2	80.1	-
3612	Transformers.....	53.5	53.7	51.7	50.6	-	37.7	37.9	37.2	36.4	-
3613	Switchgear and switchboard apparatus.....	68.1	68.3	63.4	62.9	-	48.5	48.7	44.0	43.7	-
362	Electrical industrial apparatus.....	241.8	242.4	225.1	218.2	-	172.5	172.8	157.9	152.1	-
3621	Motors and generators.....	125.9	126.1	115.3	111.9	-	96.8	96.9	87.3	84.5	-
3622	Industrial controls.....	71.3	71.7	67.8	66.6	-	44.2	44.4	41.4	40.4	-
363	Household appliances.....	165.5	166.5	140.4	144.7	-	132.3	133.0	106.6	111.5	-
3632	Household refrigerators and freezers.....	36.4	37.0	29.5	30.5	-	30.0	30.5	23.1	24.1	-
3633	Household laundry equipment.....	22.0	22.2	19.9	19.5	-	17.4	17.6	15.1	14.7	-
3634	Electric housewares and fans.....	50.8	50.8	45.6	44.5	-	40.7	40.7	34.9	34.3	-
364	Electric lighting and wiring equipment.....	204.7	204.6	194.1	192.9	-	152.8	152.2	142.0	140.7	-
3641	Electric lamps.....	33.1	32.0	33.5	33.4	-	29.1	27.9	29.7	29.2	-
3643	Current-carrying wiring devices.....	83.1	84.0	80.0	79.6	-	57.5	58.0	53.3	53.0	-
3644	Noncurrent-carrying wiring devices.....	21.5	21.4	19.5	19.3	-	15.7	15.6	14.1	13.9	-
3645	Residential lighting fixtures.....	25.8	25.3	22.7	22.5	-	19.7	19.2	16.9	16.8	-
365	Radio and TV receiving equipment.....	105.4	106.0	98.1	97.1	-	75.4	76.1	67.0	66.3	-
3651	Radio and TV receiving sets.....	80.8	81.3	75.7	75.2	-	55.9	56.4	50.5	50.2	-
366	Communication equipment.....	548.9	549.5	556.5	555.7	-	268.2	268.0	264.6	263.7	-
3661	Telephone and telegraph apparatus.....	158.5	157.5	147.1	145.7	-	105.6	104.8	96.4	95.0	-
3662	Radio and TV communication equipment.....	390.4	392.0	409.4	410.0	-	162.6	163.2	168.2	168.7	-
367	Electronic components and accessories.....	554.7	555.5	564.6	566.8	-	325.3	326.6	327.1	328.1	-
3671-3	Electronic tubes.....	44.1	44.2	43.0	42.9	-	27.3	27.2	26.1	26.0	-
3674	Semiconductors and related devices.....	225.6	223.4	225.1	227.5	-	94.1	92.9	90.1	91.5	-
3679	Electronic components, nec.....	214.4	215.9	225.4	225.6	-	149.7	151.3	156.4	156.5	-
369	Misc. electrical equipment and supplies.....	145.9	146.6	140.3	141.1	-	104.9	105.7	99.9	100.1	-
3691	Storage batteries.....	27.6	27.6	28.6	27.4	-	21.4	21.5	22.2	21.1	-
3694	Engine electrical equipment.....	61.0	61.6	55.2	56.1	-	46.8	47.5	42.9	43.5	-
37	<b>TRANSPORTATION EQUIPMENT.....</b>	<b>1,934.1</b>	<b>1,936.8</b>	<b>1,776.2</b>	<b>1,749.1</b>	<b>1,765.6</b>	<b>1,261.9</b>	<b>1,262.6</b>	<b>1,116.9</b>	<b>1,088.0</b>	<b>1,107.2</b>
371	Motor vehicles and equipment.....	815.6	820.5	713.9	693.6	-	613.9	619.1	527.4	506.1	-
3711	Motor vehicles and car bodies.....	374.4	377.4	319.9	299.7	-	268.7	272.0	226.6	206.0	-
3713	Truck and bus bodies.....	37.7	37.1	33.5	33.4	-	28.2	27.8	25.3	25.2	-
3714	Motor vehicle parts and accessories.....	373.9	375.0	329.9	330.5	-	294.3	295.4	253.0	252.8	-
3715	Truck trailers.....	24.8	26.0	25.5	24.8	-	19.0	20.1	18.7	18.1	-
372	Aircraft and parts.....	654.1	652.0	626.0	619.6	-	350.3	348.0	321.9	315.5	-
3721	Aircraft.....	348.0	347.3	333.7	329.6	-	170.5	169.4	153.5	149.5	-
3724	Aircraft engines and engine parts.....	166.1	164.7	154.7	153.2	-	94.3	93.5	88.9	87.5	-
3728	Aircraft equipment, nec.....	140.0	140.0	137.6	136.3	-	85.5	85.1	79.5	78.5	-
373	Ship and boat building and repairing.....	232.1	231.1	215.0	213.6	-	184.5	183.7	164.9	163.7	-
3731	Ship building and repairing.....	187.8	185.9	173.8	172.8	-	147.7	145.7	130.9	130.1	-
3732	Boat building and repairing.....	44.3	45.2	41.2	40.8	-	36.8	38.0	34.0	33.6	-
374	Railroad equipment.....	57.0	56.3	41.5	40.1	-	39.7	38.8	26.5	25.1	-
376	Guided missiles, space vehicles, parts.....	119.3	120.0	124.7	126.0	-	36.0	35.9	38.2	38.3	-
3781	Guided missiles and space vehicles.....	93.0	93.7	98.7	98.9	-	26.3	26.2	27.9	28.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>TRANSPORTATION EQUIPMENT—Continued</b>										
379	Miscellaneous transportation equipment .....	38.0	38.7	39.4	40.2	-	24.1	23.6	26.7	27.7	-
3792	Travel trailers and campers .....	17.6	18.1	17.4	18.0	-	13.8	14.2	13.4	14.1	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS .....</b>	<b>723.2</b>	<b>723.8</b>	<b>713.8</b>	<b>711.3</b>	<b>711.4</b>	<b>428.6</b>	<b>428.9</b>	<b>414.4</b>	<b>411.5</b>	<b>403.1</b>
381	Engineering and scientific instruments .....	78.2	78.3	77.4	77.0	-	38.0	37.9	36.7	35.7	-
382	Measuring and controlling devices .....	256.5	256.9	249.3	247.5	-	160.6	160.8	154.2	152.8	-
3822	Environmental controls .....	48.9	48.0	43.5	42.8	-	33.5	32.6	28.6	28.5	-
3823	Process control instruments .....	58.6	58.8	59.3	58.9	-	30.9	30.9	30.6	30.4	-
3825	Instruments to measure electricity .....	103.2	103.9	104.1	103.7	-	64.1	64.8	65.8	65.2	-
383	Optical instruments and lenses .....	33.6	33.6	32.8	33.3	-	18.3	18.5	17.6	17.8	-
384	Medical instruments and supplies .....	158.6	159.1	161.9	161.2	-	100.2	100.3	101.0	100.3	-
3841	Surgical and medical instruments .....	74.5	75.2	76.9	77.0	-	45.7	46.0	45.6	45.3	-
3842	Surgical appliances and supplies .....	67.3	67.2	69.1	68.5	-	44.0	43.9	45.8	45.4	-
385	Ophthalmic goods .....	42.0	41.7	36.6	36.5	-	29.6	29.6	25.4	25.2	-
386	Photographic equipment and supplies .....	134.0	134.7	137.6	138.1	-	67.0	67.5	66.7	67.0	-
387	Watches, clocks, and watchesets .....	20.3	19.5	18.2	18.0	-	14.9	14.3	12.8	12.7	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES .....</b>	<b>406.6</b>	<b>409.3</b>	<b>392.3</b>	<b>388.9</b>	<b>386.7</b>	<b>301.4</b>	<b>303.2</b>	<b>285.5</b>	<b>282.7</b>	<b>281.4</b>
391	Jewelry, silverware, and plated ware .....	56.2	56.2	57.3	56.6	-	40.1	40.1	40.2	39.7	-
3911	Jewelry, precious metal .....	37.2	37.0	36.9	36.4	-	26.1	25.9	25.8	25.4	-
393	Musical instruments .....	21.6	21.3	20.0	19.6	-	17.5	17.3	15.7	15.5	-
394	Toys and sporting goods .....	116.4	118.4	109.2	109.2	-	86.9	89.2	80.9	81.1	-
3942, 4	Dolls, games, toys, and children's vehicles .....	57.3	59.5	52.1	53.0	-	41.1	43.5	36.4	37.6	-
3949	Sporting and athletic goods, nec .....	59.1	58.9	57.1	56.2	-	45.8	45.7	44.5	43.5	-
395	Pens, pencils, office and art supplies .....	36.7	37.0	36.8	36.2	-	26.0	26.3	25.6	25.2	-
396	Costume jewelry and notions .....	46.5	46.4	41.7	40.9	-	35.9	35.7	31.7	30.7	-
3961	Costume jewelry .....	23.5	23.5	22.1	21.1	-	17.9	17.9	17.0	15.9	-
399	Miscellaneous manufactures .....	129.2	130.0	127.3	126.4	-	95.0	94.6	91.4	90.5	-
3993	Signs and advertising displays .....	46.0	46.4	46.0	45.9	-	33.2	33.5	32.9	32.7	-
	<b>NONDURABLE GOODS</b>										
20	<b>FOOD AND KINDRED PRODUCTS .....</b>	<b>1,621.4</b>	<b>1,638.4</b>	<b>1,597.9</b>	<b>1,578.6</b>	<b>1,603.0</b>	<b>1,101.1</b>	<b>1,116.0</b>	<b>1,083.8</b>	<b>1,064.4</b>	<b>1,085.7</b>
201	Meat products .....	351.0	354.2	339.5	337.6	-	292.2	295.1	283.1	280.8	-
2011	Meat packing plants .....	154.6	155.2	148.9	147.1	-	126.8	127.4	122.6	120.6	-
2013	Sausages and other prepared meats .....	69.6	70.3	68.0	67.7	-	51.7	52.2	50.4	49.9	-
2016	Poultry dressing plants .....	112.6	114.0	109.4	109.5	-	101.6	102.9	98.8	99.0	-
202	Dairy products .....	169.2	170.9	165.1	166.4	-	93.3	94.5	91.1	92.3	-
2022	Cheese, natural and processed .....	35.8	35.7	33.8	34.3	-	27.4	27.3	25.5	25.5	-
2026	Fluid milk .....	96.2	96.9	93.5	93.9	-	43.1	43.3	41.7	42.4	-
203	Preserved fruits and vegetables .....	210.5	214.3	201.0	194.3	-	167.1	171.1	161.9	155.7	-
2032	Canned specialties .....	23.7	23.6	24.0	22.3	-	16.9	17.3	17.6	15.8	-
2033	Canned fruits and vegetables .....	68.8	71.2	62.4	60.8	-	52.7	55.2	48.2	47.0	-
2037	Frozen fruits and vegetables .....	45.6	46.7	44.6	42.2	-	39.3	40.3	38.8	36.3	-
204	Grain mill products .....	137.2	138.6	137.1	135.7	-	95.0	96.2	92.9	91.8	-
2041	Flour and other grain mill products .....	25.4	25.3	26.3	26.1	-	16.2	15.9	15.9	16.1	-
2048	Prepared feeds, nec .....	53.2	54.1	52.1	51.7	-	34.5	35.4	33.4	33.0	-
205	Bakery products .....	218.0	218.2	215.6	215.3	-	126.0	126.0	125.6	125.4	-
2051	Bread, cake, and related products .....	176.1	176.9	173.7	174.4	-	93.1	93.7	92.4	93.1	-
2052	Cookies and crackers .....	41.9	41.3	41.9	40.9	-	32.9	32.3	33.2	32.3	-
206	Sugar and confectionery products .....	99.7	99.5	103.9	98.0	-	73.5	74.1	78.4	72.7	-
2061-3	Cane and beet sugar .....	28.9	29.1	30.8	28.7	-	20.3	20.9	22.6	20.3	-
2065	Confectionery products .....	51.5	51.4	53.8	50.1	-	40.3	40.6	43.1	39.7	-
207	Fats and oils .....	41.6	42.1	43.8	43.4	-	30.8	31.1	32.9	32.7	-
208	Beverages .....	230.3	233.8	230.0	231.7	-	102.2	103.9	97.3	98.3	-
2082	Malt beverages .....	50.5	51.4	48.3	48.5	-	33.5	34.2	31.0	31.2	-
2086	Bottled and canned soft drinks .....	134.0	136.8	137.3	138.3	-	44.3	45.1	44.0	44.5	-
209	Misc. foods and kindred products .....	163.9	166.8	161.9	156.2	-	121.0	124.0	120.6	114.7	-
21	<b>TOBACCO MANUFACTURES .....</b>	<b>65.1</b>	<b>64.2</b>	<b>64.2</b>	<b>61.9</b>	<b>60.9</b>	<b>49.5</b>	<b>48.9</b>	<b>49.4</b>	<b>47.2</b>	<b>46.5</b>
211	Cigarettes .....	46.9	46.7	46.3	45.9	-	35.4	35.3	35.4	35.1	-
22	<b>TEXTILE MILL PRODUCTS .....</b>	<b>825.3</b>	<b>827.6</b>	<b>760.0</b>	<b>771.8</b>	<b>754.4</b>	<b>714.9</b>	<b>717.6</b>	<b>650.5</b>	<b>661.8</b>	<b>648.8</b>
221	Weaving mills, cotton .....	141.4	141.3	129.0	131.0	-	126.2	125.9	113.8	115.3	-
222	Weaving mills, synthetics .....	112.2	111.7	100.2	103.9	-	100.5	100.4	88.6	92.8	-
223	Weaving and finishing mills, wool .....	19.3	19.5	18.1	17.7	-	15.9	16.2	15.2	14.8	-
224	Narrow fabric mills .....	23.7	23.8	23.0	23.3	-	21.0	21.0	20.0	20.3	-
225	Knitting mills .....	217.9	219.5	200.2	203.3	-	188.6	190.3	171.4	174.5	-
2251	Women's hosiery, except socks .....	31.4	31.5	31.0	29.7	-	28.1	28.1	27.7	26.4	-
2252	Hosiery, nec .....	32.8	33.2	32.0	31.6	-	29.8	30.2	28.9	28.5	-
2253	Knit outerwear mills .....	70.6	72.0	65.1	69.1	-	60.0	61.4	54.5	58.2	-
2254	Knit underwear mills .....	30.6	30.6	27.3	27.4	-	26.5	26.6	23.1	23.2	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>TEXTILE MILL PRODUCTS—Continued</b>										
2257	Circular knit fabric mills	30.7	30.2	25.0	25.4	-	26.0	25.6	20.9	21.4	-
226	Textile finishing, except wool	70.8	71.0	67.4	67.8	-	58.9	59.1	55.5	56.0	-
2261	Finishing plants, cotton	29.0	28.9	28.5	28.3	-	23.8	23.7	23.2	23.5	-
2262	Finishing plants, synthetics	27.4	27.6	25.4	25.4	-	23.0	23.2	21.1	21.1	-
227	Floor covering mills	52.5	52.9	48.7	49.1	-	42.1	42.6	38.5	38.8	-
228	Yarn and thread mills	121.5	122.0	111.8	114.8	-	109.6	110.1	99.3	101.6	-
2281	Yarn mills, except wool	82.8	82.9	77.3	79.0	-	75.9	76.1	69.9	71.0	-
2282	Throwing and winding mills	19.9	20.0	18.3	18.3	-	17.6	17.7	15.9	16.0	-
229	Miscellaneous textile goods	66.0	65.9	61.6	60.9	-	52.1	52.0	48.2	47.7	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	<b>1,247.2</b>	<b>1,256.6</b>	<b>1,184.5</b>	<b>1,163.4</b>	<b>1,163.1</b>	<b>1,062.6</b>	<b>1,071.3</b>	<b>1,005.2</b>	<b>989.6</b>	<b>989.0</b>
231	Men's and boys' suits and coats	74.9	75.9	76.3	74.4	-	65.7	66.7	66.5	64.8	-
232	Men's and boys' furnishings	349.1	351.8	330.0	327.3	-	298.0	303.3	280.6	277.6	-
2321	Men's and boys' shirts and nightwear	97.1	97.4	92.1	93.1	-	83.2	83.8	79.1	79.7	-
2327	Men's and boys' separate trousers	71.5	72.0	69.3	68.5	-	62.5	62.6	60.3	60.2	-
2328	Men's and boys' work clothing	100.7	102.5	95.0	93.4	-	84.2	85.7	78.8	76.6	-
233	Women's and misses' outerwear	414.2	415.1	389.8	380.0	-	355.3	356.0	335.0	325.4	-
2331	Women's and misses' blouses and waists	63.2	63.0	59.3	58.7	-	55.4	55.1	51.3	50.4	-
2335	Women's and misses' dresses	141.7	138.9	135.5	132.3	-	124.8	122.3	119.2	116.1	-
2337	Women's and misses' suits and coats	57.5	62.9	51.9	47.7	-	48.9	53.7	43.9	40.3	-
2339	Women's and misses' outerwear, nec.	151.8	150.3	143.1	141.3	-	126.2	124.9	120.6	118.6	-
234	Women's and children's undergarments	89.7	90.5	88.1	88.0	-	76.6	77.3	75.0	74.7	-
2341	Women's and children's underwear	71.6	72.1	70.4	70.6	-	62.4	62.9	61.6	61.5	-
2342	Brassieres and allied garments	18.1	18.4	17.7	17.4	-	14.2	14.4	13.4	13.2	-
236	Children's outerwear	63.2	63.8	61.3	60.2	-	53.5	54.0	51.9	50.9	-
2361	Children's dresses and blouses	26.5	26.9	26.1	25.5	-	23.7	24.1	23.3	22.7	-
238	Misc. apparel and accessories	57.4	57.3	53.1	53.2	-	48.7	48.6	44.3	44.3	-
239	Misc. fabricated textile products	175.6	178.4	164.0	163.5	-	144.9	147.8	133.5	133.5	-
2391	Curtains and draperies	26.0	26.6	25.0	24.2	-	21.6	22.2	20.5	19.8	-
2392	House furnishings, nec.	47.6	47.9	45.8	46.8	-	39.2	39.5	37.7	38.9	-
2396	Automotive and apparel trimmings	31.6	33.3	25.7	25.3	-	26.9	28.6	20.6	20.2	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	<b>687.0</b>	<b>689.0</b>	<b>665.1</b>	<b>663.1</b>	<b>660.7</b>	<b>517.4</b>	<b>519.0</b>	<b>496.3</b>	<b>494.9</b>	<b>494.9</b>
261, 2, 6	Paper and pulp mills	202.1	203.3	195.6	194.8	-	151.8	152.6	146.6	146.2	-
262	Paper mills, except building paper	174.2	174.9	170.0	169.3	-	129.7	130.1	126.0	125.5	-
263	Paperboard mills	63.6	63.5	61.9	61.0	-	49.8	49.8	47.9	47.2	-
264	Misc. converted paper products	219.7	220.1	216.5	217.0	-	161.9	162.1	157.4	158.4	-
2641	Paper coating and glazing	55.7	55.8	55.2	56.5	-	35.7	35.8	34.6	35.9	-
2642	Envelopes	25.6	25.4	25.3	25.2	-	20.1	19.8	19.6	19.5	-
2643	Bags, except textile bags	49.8	49.6	50.0	49.4	-	38.9	38.6	38.8	38.3	-
265	Paperboard containers and boxes	201.6	202.1	191.1	190.3	-	153.9	154.5	144.4	143.1	-
2651	Folding paperboard boxes	42.7	43.1	42.3	42.1	-	33.2	33.7	32.8	32.6	-
2653	Corrugated and solid fiber boxes	103.4	103.5	97.3	96.8	-	75.9	76.0	71.1	70.4	-
2654	Sanitary food containers	25.5	25.8	24.0	24.1	-	20.9	21.2	19.3	19.2	-
27	<b>PRINTING AND PUBLISHING</b>	<b>1,259.9</b>	<b>1,259.9</b>	<b>1,279.1</b>	<b>1,274.9</b>	<b>1,270.8</b>	<b>698.2</b>	<b>696.5</b>	<b>703.5</b>	<b>700.5</b>	<b>698.7</b>
271	Newspapers	417.2	419.9	425.2	424.0	-	159.8	161.1	160.8	161.0	-
272	Periodicals	94.2	94.3	100.0	99.7	-	18.2	18.4	21.6	21.6	-
273	Books	102.8	101.6	100.8	101.0	-	54.6	53.5	52.3	52.2	-
2731	Book publishing	71.7	71.0	70.6	70.6	-	28.6	28.0	27.4	27.1	-
2732	Book printing	31.1	30.6	30.2	30.4	-	26.0	25.5	24.9	25.1	-
274	Miscellaneous publishing	49.2	48.9	50.0	49.6	-	26.1	25.8	26.8	26.7	-
275	Commercial printing	416.0	414.9	419.9	418.1	-	306.5	305.0	308.2	306.0	-
2751	Commercial printing, letterpress	154.0	153.6	151.9	152.3	-	113.8	113.3	111.7	111.6	-
2752	Commercial printing, lithographic	238.6	238.4	244.7	242.8	-	173.4	172.8	177.9	176.0	-
276	Manifold business forms	48.6	48.9	49.3	48.7	-	34.0	34.2	34.6	33.9	-
278	Blankbooks and bookbinding	63.2	62.7	63.4	63.2	-	51.7	51.0	51.5	51.2	-
279	Printing trade services	44.9	44.7	45.4	45.4	-	33.3	33.3	33.4	33.4	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	<b>1,106.2</b>	<b>1,110.1</b>	<b>1,087.1</b>	<b>1,081.2</b>	<b>1,079.1</b>	<b>629.7</b>	<b>632.7</b>	<b>608.0</b>	<b>603.7</b>	<b>605.4</b>
281	Industrial inorganic chemicals	159.5	159.6	156.4	155.7	-	87.4	87.6	84.7	83.7	-
2819	Industrial inorganic chemicals, nec.	105.4	105.4	102.1	101.6	-	57.6	57.6	55.2	54.4	-
282	Plastics materials and synthetics	195.9	196.3	187.4	185.7	-	130.2	130.8	121.3	120.3	-
2821	Plastics materials and resins	78.2	78.5	75.7	74.7	-	45.9	46.4	44.1	43.3	-
2824	Organic fibers, noncellulosic	83.3	83.3	79.5	78.9	-	58.7	58.8	55.2	55.2	-
283	Drugs	197.9	198.6	199.4	198.1	-	98.4	99.6	98.3	97.3	-
2834	Pharmaceutical preparations	156.9	156.9	157.3	156.3	-	76.6	77.3	76.1	75.5	-
284	Soap, cleaners, and toilet goods	143.6	144.0	144.9	142.6	-	90.0	90.0	90.7	88.6	-
2841	Soap and other detergents	43.9	44.1	44.5	43.9	-	28.7	28.8	29.1	28.7	-
2844	Toilet preparations	61.4	61.4	61.7	60.6	-	40.6	40.3	40.7	39.6	-
2842, 3	Polishing, sanitation, and finishing preparations	38.3	38.5	38.7	38.1	-	20.7	20.9	20.9	20.3	-
285	Paints and allied products	63.2	63.9	59.5	59.6	-	31.4	31.9	28.6	28.6	-
286	Industrial organic chemicals	178.9	179.3	176.2	175.6	-	91.2	91.3	88.2	88.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2865	Cyclic crudes and intermediates . . . . .	37.9	37.8	36.4	35.8	-	23.2	23.2	22.4	22.0	-
2881,9	Gum, wood, and industrial organic chemicals, nec. . . . .	141.0	141.5	139.8	139.8	-	68.0	68.1	65.8	66.3	-
287	Agricultural chemicals . . . . .	73.2	73.5	70.6	71.2	-	46.6	46.7	43.9	44.5	-
289	Miscellaneous chemical products . . . . .	94.0	94.9	92.7	92.7	-	54.5	54.8	52.3	52.4	-
29	<b>PETROLEUM AND COAL PRODUCTS . . . . .</b>	213.8	217.5	203.7	203.3	208.5	135.2	137.9	120.3	121.5	125.6
291	Petroleum refining . . . . .	172.1	173.7	168.9	167.8	-	105.2	106.1	97.2	97.4	-
295	Paving and roofing materials . . . . .	29.1	31.2	22.8	23.6	-	22.0	23.7	15.9	16.9	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS . . . . .</b>	735.4	741.1	699.8	701.5	702.3	569.7	574.7	534.7	537.0	537.5
301	Tires and inner tubes . . . . .	107.4	106.9	99.8	102.7	-	76.0	75.2	69.5	72.6	-
302	Rubber and plastics footwear . . . . .	22.4	22.4	21.3	21.4	-	19.8	19.8	18.4	18.5	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting . . . . .	23.8	23.8	20.7	20.5	-	16.8	16.8	14.9	14.6	-
306	Fabricated rubber products, nec. . . . .	105.2	106.1	97.7	97.2	-	82.2	82.9	74.1	74.0	-
307	Miscellaneous plastics products . . . . .	476.6	481.9	460.3	459.7	-	374.9	380.0	357.8	357.3	-
31	<b>LEATHER AND LEATHER PRODUCTS . . . . .</b>	232.7	237.2	211.6	213.4	217.3	196.6	200.7	177.7	179.1	182.6
311	Leather tanning and finishing . . . . .	20.6	21.0	18.7	18.7	-	17.3	17.6	15.5	15.4	-
314	Footwear, except rubber . . . . .	142.9	145.8	129.3	130.5	-	122.4	125.1	110.6	111.6	-
3143	Men's footwear, except athletic . . . . .	57.2	57.9	52.6	51.9	-	49.0	49.5	44.0	43.4	-
3144	Women's footwear, except athletic . . . . .	52.7	54.6	45.8	47.5	-	44.9	46.8	39.5	40.9	-
316	Luggage . . . . .	15.2	15.9	13.3	13.3	-	11.7	12.3	10.2	10.1	-
317	Handbags and personal leather goods . . . . .	29.8	30.0	27.3	27.4	-	24.9	25.1	22.2	22.3	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES . . . . .</b>	5,125	5,151	5,049	5,053	5,059	4,255	4,275	4,171	4,168	4,180
40	<b>RAILROAD TRANSPORTATION . . . . .</b>	504.2	499.8	437.7	441.6	-	-	-	-	-	-
4011	Class I railroads <sup>2</sup> . . . . .	465.1	461.1	401.9	405.8	-	-	-	-	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSPORT . . . . .</b>	272.0	276.5	286.7	281.6	-	252.2	257.2	266.6	261.5	-
411	Local and suburban transportation . . . . .	81.5	81.6	83.0	84.1	-	74.5	74.8	75.8	76.7	-
412	Taxicabs . . . . .	47.4	47.3	47.0	46.2	-	-	-	-	-	-
413	Intercity highway transportation . . . . .	37.0	38.4	34.2	35.1	-	34.1	35.5	31.2	32.1	-
415	School buses . . . . .	86.9	90.9	104.9	98.3	-	-	-	-	-	-
42	<b>TRUCKING AND WAREHOUSING . . . . .</b>	1,240.4	1,249.4	1,194.1	1,187.3	-	1,079.0	1,085.2	1,033.9	1,028.7	-
421,3	Trucking and trucking terminals . . . . .	1,155.1	1,165.6	1,109.6	1,104.6	-	1,007.8	1,015.4	963.1	959.8	-
422	Public warehousing . . . . .	85.3	83.8	84.5	82.7	-	71.2	69.8	70.8	68.9	-
44	<b>WATER TRANSPORTATION . . . . .</b>	218.4	218.3	195.2	203.1	-	-	-	-	-	-
45	<b>TRANSPORTATION BY AIR . . . . .</b>	452.7	456.0	440.0	440.7	-	-	-	-	-	-
451,2	Air transportation . . . . .	402.5	404.7	388.3	390.0	-	-	-	-	-	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS . . . . .</b>	21.2	21.4	22.3	21.6	-	14.9	14.9	15.2	14.8	-
47	<b>TRANSPORTATION SERVICES . . . . .</b>	203.1	207.6	219.0	220.6	-	-	-	-	-	-
48	<b>COMMUNICATION . . . . .</b>	1,374.1	1,378.5	1,394.7	1,395.0	-	1,028.2	1,031.0	1,054.7	1,054.3	-
481	Telephone communication . . . . .	1,070.3	1,072.4	1,074.2	1,073.0	-	779.7	781.0	789.3	788.3	-
483	Radio and television broadcasting . . . . .	205.6	206.4	212.8	212.8	-	165.6	166.7	173.7	173.5	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES . . . . .</b>	838.6	843.6	858.9	861.1	-	685.4	689.7	700.4	698.1	-
491	Electric services . . . . .	399.0	401.6	409.5	410.0	-	323.7	325.5	329.6	326.4	-
492	Gas production and distribution . . . . .	170.5	172.1	175.6	175.8	-	139.0	140.4	141.1	141.4	-
493	Combination utility services . . . . .	196.8	197.2	199.1	200.1	-	160.6	161.4	165.5	165.7	-
495	Sanitary services . . . . .	48.8	49.2	51.9	52.0	-	42.7	43.0	45.7	45.8	-
-	<b>WHOLESALE AND RETAIL TRADE . . . . .</b>	20,365	20,520	20,306	20,445	20,603	17,771	17,396	17,713	17,848	17,394
50,51	<b>WHOLESALE TRADE . . . . .</b>	5,333	5,351	5,309	5,304	5,314	4,341	4,355	4,295	4,286	4,300
50	<b>WHOLESALE TRADE - DURABLE GOODS . . . . .</b>	3,162	3,172	3,152	3,147	-	2,570	2,577	2,538	2,530	-
501	Motor vehicles and automotive equipment . . . . .	411.2	411.2	411.9	412.5	-	330.7	331.0	331.2	332.3	-
502	Furniture and home furnishing . . . . .	115.0	115.3	118.5	118.0	-	93.8	93.8	97.3	96.7	-
503	Lumber and construction materials . . . . .	192.2	193.5	178.1	178.0	-	158.5	159.6	144.9	144.8	-
504	Sporting goods, toys, and hobby goods . . . . .	70.4	71.0	70.1	71.2	-	56.3	56.8	55.8	57.0	-
505	Metals and minerals, except petroleum . . . . .	152.1	152.7	146.7	144.3	-	122.2	122.8	116.5	113.9	-
506	Electrical goods . . . . .	429.1	430.9	438.7	436.6	-	345.9	346.4	352.9	350.5	-
507	Hardware, plumbing, and heating equipment . . . . .	243.0	244.2	238.5	236.5	-	198.9	200.0	193.3	191.3	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>					
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>											
	<b>Continued</b>											
508	Machinery, equipment, and supplies .....	1,338.2	1,342.0	1,359.1	1,360.9	-	1,085.8	1,088.3	1,087.7	1,086.1	-	
509	Miscellaneous durable goods .....	210.8	210.8	192.5	189.0	-	178.3	177.9	158.8	157.7	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	2,171	2,179	2,157	2,157	-	1,771	1,778	1,757	1,756	-	
511	Paper and paper products .....	153.9	154.6	157.3	156.5	-	125.0	125.2	126.4	125.6	-	
512	Drugs, proprietaries, and sundries .....	149.2	149.9	151.1	151.7	-	126.2	126.5	128.0	128.9	-	
513	Apparel, piece goods, and notions .....	167.5	167.8	168.0	169.5	-	131.5	131.9	131.4	132.4	-	
514	Groceries and related products .....	656.3	662.1	641.2	642.6	-	561.7	567.6	549.5	549.3	-	
516	Chemicals and allied products .....	130.3	131.3	135.7	136.3	-	93.4	94.0	97.2	97.4	-	
517	Petroleum and petroleum products .....	233.9	233.9	231.3	231.8	-	175.6	176.1	173.6	174.5	-	
518	Beer, wine, and distilled beverages .....	141.1	141.3	142.6	142.9	-	118.0	118.1	118.5	118.8	-	
519	Miscellaneous nondurable goods .....	398.3	399.9	395.4	396.3	-	325.4	326.5	322.1	323.5	-	
52-59	<b>RETAIL TRADE</b> .....	15,032	15,169	14,997	15,141	15,289	13,430	13,541	13,418	13,562	13,694	
52	<b>BUILDING MATERIALS AND GARDEN</b>											
	<b>SUPPLIES</b> .....	615.3	625.3	573.7	585.1	-	519.9	529.9	481.4	492.0	-	
521	Lumber and other building materials .....	315.8	322.9	294.6	298.3	-	266.3	273.2	246.6	250.2	-	
525	Hardware stores .....	147.8	150.0	144.1	144.9	-	126.0	128.1	122.5	123.2	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,160.3	2,179.6	2,164.7	2,156.9	-	1,943.0	1,941.7	1,994.8	1,999.4	-	
531	Department stores .....	1,812.1	1,826.3	1,818.6	1,818.9	-	1,630.0	1,623.2	1,682.4	1,685.5	-	
533	Variety stores .....	230.1	232.0	218.2	220.6	-	212.7	214.8	202.7	204.6	-	
539	Misc. general merchandise stores .....	118.1	121.3	127.9	127.4	-	100.3	103.7	109.7	109.3	-	
54	<b>FOOD STORES</b> .....	2,407.8	2,413.5	2,431.1	2,426.9	-	2,230.4	2,235.5	2,247.5	2,247.1	-	
541	Grocery stores .....	2,107.8	2,114.5	2,137.4	2,131.3	-	1,957.1	1,963.0	1,981.6	1,978.8	-	
542	Meat markets and freezer provisioners .....	57.0	55.2	54.8	55.2	-	-	-	-	-	-	
546	Retail bakeries .....	126.8	127.7	127.3	120.3	-	116.5	117.6	117.4	116.6	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>											
	<b>STATIONS</b> .....	1,647.7	1,654.0	1,624.4	1,634.5	-	1,394.7	1,400.1	1,367.0	1,376.5	-	
551.2	New and used car dealers .....	751.2	751.4	726.2	729.4	-	614.7	613.8	594.0	596.8	-	
553	Auto and home supply stores .....	259.4	263.4	265.8	270.7	-	224.0	228.1	227.9	232.8	-	
554	Gasoline service stations .....	556.7	558.0	553.5	552.6	-	487.3	488.6	482.7	481.5	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	960.2	951.9	952.0	954.3	-	820.1	811.9	809.8	810.9	-	
561	Men's and boys' clothing and furnishings .....	126.7	125.3	125.4	125.9	-	106.7	105.7	106.0	106.2	-	
562	Women's ready-to-wear stores .....	348.7	347.9	340.5	341.0	-	301.2	301.3	293.9	293.7	-	
565	Family clothing stores .....	173.8	173.9	174.3	174.6	-	151.5	151.4	151.0	151.3	-	
566	Shoe stores .....	208.9	202.2	208.9	211.6	-	173.7	165.9	170.9	173.0	-	
57	<b>FURNITURE AND HOME FURNISHINGS</b>											
	<b>STORES</b> .....	592.9	592.1	590.3	586.3	-	489.6	489.2	487.2	483.3	-	
571	Furniture and home furnishings stores .....	368.8	370.4	363.5	362.1	-	305.9	306.7	300.2	298.6	-	
572	Household appliance stores .....	78.0	78.1	81.0	80.0	-	66.6	66.5	68.3	67.5	-	
573	Radio, television, and music stores .....	146.1	143.6	145.8	144.2	-	117.1	116.0	118.7	117.2	-	
58	<b>EATING AND DRINKING PLACES</b> .....	4,738.6	4,826.1	4,698.2	4,825.9	-	4,370.2	4,453.5	4,318.9	4,443.3	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	1,909.6	1,926.9	1,962.7	1,961.3	-	1,661.7	1,679.4	1,710.9	1,709.0	-	
591	Drug stores and proprietary stores .....	488.4	490.9	495.9	494.9	-	440.9	442.9	444.0	443.0	-	
592	Liquor stores .....	129.9	133.3	135.3	134.2	-	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	591.4	598.5	628.1	627.1	-	502.4	509.4	538.7	537.4	-	
596	Nonstore retailers .....	260.0	257.9	270.4	267.7	-	239.5	238.0	248.5	246.5	-	
598	Fuel and ice dealers .....	102.9	101.1	107.6	104.3	-	85.9	84.1	89.8	86.6	-	
599	Retail stores, nec. .....	274.9	282.7	263.0	271.3	-	230.6	239.3	221.4	229.1	-	
-	<b>FINANCE, INSURANCE, AND REAL</b>											
	<b>ESTATE</b> .....	5,266	5,296	5,304	5,312	5,327	3,976	4,000	3,972	3,976	3,986	
60	<b>BANKING</b> .....	1,613.4	1,617.9	1,643.9	1,645.3	-	1,233.7	1,236.3	1,234.5	1,233.3	-	
602	Commercial and stock savings banks .....	1,459.7	1,474.2	1,501.3	1,500.7	-	1,117.3	1,120.4	1,118.7	1,117.9	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	586.5	585.7	584.3	583.3	-	445.7	445.5	442.4	440.4	-	
612	Savings and loan associations .....	264.8	265.0	270.9	271.1	-	201.0	201.0	206.7	206.7	-	
614	Personal credit institutions .....	206.3	205.6	195.8	194.7	-	159.1	158.8	150.6	149.0	-	
62	<b>SECURITY, COMMODITY BROKERS, AND</b>											
	<b>SERVICES</b> .....	254.2	256.2	276.6	276.9	-	-	-	-	-	-	
621	Security brokers and dealers .....	207.9	210.0	230.3	230.5	-	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	1,231.9	1,235.0	1,226.3	1,224.7	-	854.8	854.9	842.8	840.3	-	
631	Life insurance .....	539.0	542.2	539.2	538.6	-	334.9	337.2	335.4	333.3	-	

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
632	<b>INSURANCE CARRIERS—Continued</b>										
	Medical service and health insurance .....	142.8	142.8	141.1	140.6	-	113.6	113.3	112.2	111.9	-
633	Fire, marine, and casualty insurance .....	475.8	475.5	474.9	474.0	-	348.2	346.5	340.8	340.2	-
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	463.9	463.5	472.2	473.0	-	-	-	-	-	-
65	<b>REAL ESTATE</b> .....	980.1	998.9	954.3	962.8	-	-	-	-	-	-
651	Real estate operators and lessors .....	465.5	468.3	462.6	467.3	-	-	-	-	-	-
653	Real estate agents and managers .....	366.3	373.8	362.4	361.3	-	-	-	-	-	-
655	Subdividers and developers .....	127.6	136.1	111.4	116.5	-	-	-	-	-	-
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	19.4	19.3	19.4	19.4	-	-	-	-	-	-
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	118.9	119.5	124.7	127.0	-	-	-	-	-	-
-	<b>SERVICES</b> .....	18,520	18,594	18,828	18,962	18,996	16,491	16,556	16,720	16,838	16,834
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	1,103.2	1,129.8	1,069.1	1,096.0	-	-	-	-	-	-
701	Hotels, motels, and tourist courts .....	1,068.9	1,092.8	1,038.7	1,063.1	-	978.8	1,002.2	948.7	970.5	-
72	<b>PERSONAL SERVICES</b> .....	944.4	905.5	942.1	944.6	-	-	-	-	-	-
721	Laundry, cleaning, and garment services .....	351.6	353.2	348.4	349.2	-	313.8	315.6	309.9	311.2	-
723	Beauty shops .....	281.4	282.6	291.0	293.0	-	261.8	263.0	269.5	269.5	-
726	Funeral service and crematories .....	71.1	71.1	72.6	72.9	-	-	-	-	-	-
73	<b>BUSINESS SERVICES</b> .....	3,200.9	3,234.2	3,252.4	3,247.6	-	2,800.4	2,831.5	2,831.9	2,826.0	-
731	Advertising .....	155.2	155.1	158.4	158.3	-	118.5	118.7	122.4	121.9	-
732	Credit reporting and collection .....	74.7	75.6	74.3	74.6	-	-	-	-	-	-
733	Mailing, reproduction, stenographic .....	125.1	125.4	131.2	132.5	-	-	-	-	-	-
734	Services to buildings .....	510.3	518.2	524.3	524.7	-	461.5	469.1	477.3	477.7	-
736	Personnel supply services .....	592.9	603.7	561.2	548.9	-	-	-	-	-	-
737	Computer and data processing services .....	327.9	325.5	353.7	354.9	-	274.7	271.7	288.5	290.4	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	570.5	571.2	578.4	578.4	-	485.6	486.9	489.8	490.3	-
753	Automotive repair shops .....	351.8	351.5	355.6	358.5	-	297.6	297.5	297.5	300.2	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	292.5	294.5	298.7	297.3	-	244.4	246.2	252.7	252.0	-
78	<b>MOTION PICTURES</b> .....	213.1	214.3	207.8	206.4	-	184.9	185.3	177.9	175.9	-
781	Motion picture production and services .....	80.3	78.6	84.7	76.2	-	66.9	64.5	69.0	60.4	-
783	Motion picture theaters .....	121.4	124.5	112.3	119.6	-	-	-	-	-	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	758.1	805.6	763.6	824.3	-	686.5	731.4	684.2	740.6	-
80	<b>HEALTH SERVICES</b> .....	5,481.9	5,501.5	5,704.8	5,717.2	-	4,900.9	4,915.7	5,110.1	5,120.9	-
801	Offices of physicians .....	774.8	778.6	803.9	809.3	-	635.8	638.0	659.6	664.5	-
802	Offices of dentists .....	355.8	357.0	378.8	379.5	-	312.9	314.3	335.2	335.4	-
805	Nursing and personal care facilities .....	1,015.1	1,021.5	1,050.4	1,051.5	-	918.1	923.8	950.7	952.7	-
806	Hospitals .....	2,863.4	2,869.5	2,981.6	2,983.9	-	2,623.6	2,628.7	2,735.5	2,737.2	-
81	<b>LEGAL SERVICES</b> .....	519.5	521.8	552.2	552.2	-	443.8	445.6	466.0	466.1	-
82	<b>EDUCATIONAL SERVICES</b> .....	1,235.5	1,194.2	1,264.5	1,263.8	-	-	-	-	-	-
821	Elementary and secondary schools .....	318.0	319.1	323.1	321.4	-	-	-	-	-	-
822	Colleges and universities .....	797.7	755.8	818.5	818.4	-	-	-	-	-	-
83	<b>SOCIAL SERVICES</b> .....	1,156.1	1,163.9	1,171.9	1,177.6	-	-	-	-	-	-
86	<b>MEMBERSHIP ORGANIZATIONS</b> .....	1,530.5	1,541.6	1,535.9	1,536.1	-	-	-	-	-	-
89	<b>MISCELLANEOUS SERVICES</b> .....	1,040.5	1,033.0	1,069.7	1,066.2	-	870.7	863.5	879.2	873.1	-
891	Engineering and architectural services .....	563.4	567.4	567.8	568.7	-	478.2	481.5	466.8	464.6	-
893	Accounting, auditing, and bookkeeping .....	339.2	327.9	361.3	357.7	-	277.3	266.8	294.9	291.6	-
-	<b>GOVERNMENT</b> .....	16,433	16,388	16,176	16,145	16,159	-	-	-	-	-
-	<b>FEDERAL GOVERNMENT</b> .....	2,773	2,782	2,725	2,730	2,733	-	-	-	-	-
-	Executive, by agency <sup>4</sup> .....	2,718.5	2,727.7	2,670.8	2,675.6	-	-	-	-	-	-
-	Department of Defense .....	899.1	908.9	933.0	936.6	-	-	-	-	-	-
-	Postal Service .....	658.4	659.4	661.0	660.8	-	-	-	-	-	-
-	Other executive agencies .....	1,161.0	1,159.4	1,076.8	1,078.2	-	-	-	-	-	-
-	Legislative .....	39.1	39.3	38.8	39.3	-	-	-	-	-	-
-	Judicial .....	15.0	15.1	15.5	15.4	-	-	-	-	-	-

See footnotes at end of table.



# ESTABLISHMENT DATA EMPLOYMENT

## B-2. Employees on nonagricultural payrolls by industry—Continued

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
—	Manufacturing activities	124.3	129.1	135.5	136.7	—	—	—	—	—	—
3731	Shipbuilding and repairing	76.5	77.0	80.8	81.5	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	42.2	41.9	43.6	43.1	—	—	—	—	—	—
—	Services	389.4	391.1	387.2	387.9	—	—	—	—	—	—
806	Federal government hospitals	230.4	229.4	231.7	231.5	—	—	—	—	—	—
—	<b>STATE AND LOCAL GOVERNMENT</b>	13,660	13,606	13,451	13,415	13,426	—	—	—	—	—
—	State government	3,716.6	3,675.3	3,689.2	3,675.4	—	—	—	—	—	—
806	State government hospitals	521.0	519.5	518.5	517.1	—	—	—	—	—	—
82	State education	1,502.7	1,464.0	1,493.6	1,485.9	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,046.8	1,045.2	1,048.5	1,048.8	—	—	—	—	—	—
—	Local government	9,943.0	9,931.0	9,761.3	9,739.9	—	—	—	—	—	—
—	Transportation and public utilities	572.6	574.2	576.6	577.7	—	—	—	—	—	—
806	Local government hospitals	620.7	622.0	640.7	640.7	—	—	—	—	—	—
82	Local education	5,527.5	5,519.7	5,487.1	5,462.5	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,856.8	2,851.4	2,753.5	2,753.1	—	—	—	—	—	—

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

<sup>2</sup> Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

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

— Data not available.  
p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry**

[In thousands]

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
-	<b>TOTAL</b> .....	38,655	38,321	38,881	39,024	39,154
-	<b>PRIVATE SECTOR</b> .....	30,627	30,771	31,169	31,193	31,268
-	<b>MINING</b> .....	119	121	138	139	140
10	<b>METAL MINING</b> .....	9.7	9.6	8.0	7.7	7.5
11, 12	<b>COAL MINING</b> .....	11.1	11.4	11.7	11.8	11.7
13	<b>OIL AND GAS EXTRACTION</b> .....	88.2	90.4	108.8	110.1	111.1
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	56.9	58.2	68.6	68.9	69.3
138	Oil and gas field services .....	31.3	32.2	40.2	41.2	41.8
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	9.5	9.7	9.3	9.3	9.3
142	Crushed and broken stone .....	2.6	2.6	2.6	2.5	2.5
144	Sand and gravel .....	2.9	3.1	2.7	2.8	2.8
-	<b>CONSTRUCTION</b> .....	367	370	378	373	375
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	126.3	127.0	122.7	121.1	119.9
152	Residential building construction .....	70.3	70.4	69.0	67.7	67.3
153	Operative builders .....	15.0	15.1	14.1	14.2	13.8
154	Nonresidential building construction .....	41.0	41.5	39.6	39.2	38.8
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	57.4	58.5	60.6	59.2	60.3
161	Highway and street construction .....	14.8	15.2	13.5	13.3	13.7
162	Heavy construction, except highway .....	42.6	43.3	47.1	45.9	46.6
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	183.2	184.8	195.1	192.8	194.4
171	Plumbing, heating, air conditioning .....	50.3	49.8	52.6	52.2	52.1
172	Painting, paper hanging, decorating .....	11.3	11.6	11.8	11.4	11.5
173	Electrical work .....	35.9	36.4	37.1	37.2	37.3
174	Masonry, stonework, and plastering .....	20.0	20.3	20.6	20.3	20.2
175	Carpentering and flooring .....	14.3	14.6	13.9	14.0	14.1
176	Roofing and sheet metal work .....	12.1	12.5	12.2	12.0	12.5
-	<b>MANUFACTURING</b> .....	6,233	6,267	6,112	6,110	6,084
24, 25, 32-39	<b>DURABLE GOODS</b> .....	2,990	3,008	2,942	2,928	2,916
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,243	3,259	3,170	3,182	3,168
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	100.6	100.9	90.5	89.5	89.4
241	Logging camps and logging contractors .....	4.9	5.0	4.8	4.9	4.9
242	Sawmills and planing mills .....	19.7	19.6	17.5	17.1	17.0
2421	Sawmills and planing mills, general .....	13.9	13.9	12.3	12.1	12.0
243	Millwork, plywood, and structural members .....	40.5	40.5	34.9	34.1	33.9
244	Wood containers .....	6.7	6.7	6.5	6.7	6.6
245	Wood buildings and mobile homes .....	7.9	8.3	7.1	7.1	7.2
249	Miscellaneous wood products .....	20.9	20.8	19.7	19.6	19.8
25	<b>FURNITURE AND FIXTURES</b> .....	139.5	139.4	136.3	136.2	135.2
251	Household furniture .....	99.1	98.7	94.9	94.4	93.5
2511	Wood household furniture .....	42.0	41.8	39.9	39.8	39.0
2512	Upholstered household furniture .....	31.3	31.4	29.8	29.5	29.5
2515	Mattresses and bedsprings .....	8.6	8.5	7.7	7.8	7.8
252	Office furniture .....	13.6	13.8	14.2	14.2	13.9
253	Public building and related furniture .....	4.9	4.9	5.3	5.4	5.4
254	Partitions and fixtures .....	10.4	10.4	10.1	10.4	10.3
259	Miscellaneous furniture and fixtures .....	11.5	11.6	11.8	11.8	12.1
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	123.3	123.1	118.6	118.5	118.0
322	Glass and glassware, pressed or blown .....	39.7	39.9	38.4	38.0	37.8
3221	Glass containers .....	22.2	22.4	21.4	21.6	21.6
3229	Pressed and blown glass, nec .....	17.5	17.5	17.0	16.4	16.2
323	Products of purchased glass .....	12.9	12.6	12.1	12.2	12.0
324	Cement, hydraulic .....	1.8	1.8	1.7	1.7	1.7
325	Structural clay products .....	6.1	5.9	6.0	5.9	5.6
326	Pottery and related products .....	15.0	14.9	12.8	13.8	13.9
327	Concrete, gypsum, and plaster products .....	14.8	14.9	14.5	14.3	14.4
329	Misc. nonmetallic mineral products .....	30.3	30.4	30.3	29.8	29.7
33	<b>PRIMARY METAL INDUSTRIES</b> .....	124.1	125.4	112.7	111.1	109.7
331	Blast furnace and basic steel products .....	40.4	40.8	36.2	35.3	34.2
3312	Blast furnaces and steel mills .....	30.0	30.4	26.5	25.9	24.9
332	Iron and steel foundries .....	18.4	18.5	16.9	16.8	16.7

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	8.5	8.6	7.6	7.4	7.4
3322	Malleable iron foundries .....	1.1	1.1	1.0	1.0	.9
3325	Steel foundries, nec .....	4.6	4.6	4.3	4.3	4.3
333	Primary nonferrous metals .....	4.9	5.0	4.7	4.6	4.6
3334	Primary aluminum .....	2.2	2.3	1.9	1.8	1.9
336	Nonferrous rolling and drawing .....	39.6	40.1	35.2	34.5	34.5
3351	Copper rolling and drawing .....	3.4	3.5	3.2	3.1	3.0
3353	Aluminum sheet, plate, and foil .....	4.0	4.0	3.1	3.1	3.2
3357	Nonferrous wire drawing and insulating .....	24.0	24.6	21.8	21.2	21.2
336	Nonferrous foundries .....	15.3	15.4	14.3	14.4	14.3
3361	Aluminum foundries .....	8.1	8.1	7.5	7.5	7.4
34	<b>FABRICATED METAL PRODUCTS</b> .....	<b>332.3</b>	<b>335.3</b>	<b>316.4</b>	<b>313.5</b>	<b>312.2</b>
341	Metal cans and shipping containers .....	12.7	12.6	11.5	11.6	11.7
3411	Metal cans .....	10.9	10.7	9.8	9.9	9.9
342	Cutlery, hand tools, and hardware .....	54.3	54.9	50.2	48.7	47.9
3423, 5	Hand and edge tools, and hand saws and blades .....	15.6	15.5	15.1	14.9	14.5
3429	Hardware, nec .....	31.4	32.2	28.6	27.5	27.2
343	Plumbing and heating, except electric .....	16.5	16.6	16.7	16.7	16.7
344	Fabricated structural metal products .....	71.5	71.9	69.2	68.1	67.6
3441	Fabricated structural metal .....	7.7	7.7	7.7	7.6	7.5
3442	Metal doors, sash, and trim .....	20.3	20.2	19.0	18.6	18.7
3443	Fabricated plate work (boiler shops) .....	18.6	18.8	18.6	18.5	18.3
3444	Sheet metal work .....	15.3	15.4	14.7	14.5	14.5
345	Screw machine products, bolts, etc. ....	23.8	24.0	22.1	21.7	21.6
3451	Screw machine products .....	11.7	11.8	10.9	10.8	10.8
3452	Bolts, nuts, rivets, and washers .....	12.1	12.2	11.2	10.9	10.8
346	Metal forgings and stampings .....	52.2	53.0	46.9	46.5	46.4
3462	Iron and steel forgings .....	4.3	4.3	3.9	3.8	3.7
3465	Automotive stampings .....	12.9	13.7	11.0	10.9	11.2
3469	Metal stampings, nec .....	32.5	32.4	29.5	29.3	28.9
347	Metal services, nec .....	23.3	23.8	22.5	22.4	22.8
3471	Plating and polishing .....	16.7	17.0	16.3	16.3	16.7
3479	Metal coating and allied services .....	6.6	6.8	6.2	6.1	6.1
348	Ordnance and accessories, nec .....	19.5	19.5	19.8	19.8	20.0
349	Misc. fabricated metal products .....	58.5	59.0	57.5	58.0	57.5
3494	Valves and pipe fittings .....	22.5	22.7	23.0	22.7	22.4
3496	Misc. fabricated wire products .....	13.8	14.0	13.4	14.0	14.0
35	<b>MACHINERY, EXCEPT ELECTRICAL</b> .....	<b>500.1</b>	<b>501.8</b>	<b>509.6</b>	<b>509.4</b>	<b>507.4</b>
351	Engines and turbines .....	24.2	23.2	24.6	24.5	23.5
3511	Turbines and turbine generator sets .....	6.7	6.8	6.5	6.4	6.4
3519	Internal combustion engines, nec .....	17.5	16.4	18.1	18.1	17.1
352	Farm and garden machinery .....	26.8	27.0	25.2	25.4	23.1
3523	Farm machinery and equipment .....	20.0	20.1	17.5	18.1	15.8
353	Construction and related machinery .....	50.7	51.4	54.2	54.4	54.0
3531	Construction machinery .....	14.5	14.7	15.3	15.3	15.2
3533	Oil field machinery .....	15.9	16.3	19.4	19.7	19.8
354	Metalworking machinery .....	57.9	57.9	55.6	54.8	53.7
3541	Machine tools, metal cutting types .....	10.9	10.9	9.8	9.7	9.6
3544	Special dies, tools, jigs, and fixtures .....	15.4	15.4	15.2	15.0	14.9
3545	Machine tool accessories .....	13.3	13.4	13.5	13.3	12.9
355	Special industry machinery .....	30.0	30.2	28.6	28.4	28.5
3551	Food products machinery .....	5.9	6.0	5.4	5.5	5.5
3552	Textile machinery .....	5.3	5.3	5.0	4.8	4.9
3555	Printing trades machinery .....	6.6	6.6	6.8	6.9	6.9
356	General industrial machinery .....	63.6	64.1	61.4	61.1	60.5
3561	Pumps and pumping equipment .....	11.5	11.5	11.4	11.4	11.4
3562	Ball and roller bearings .....	14.5	14.5	13.2	12.9	12.8
357	Office and computing machines .....	161.2	152.1	176.6	178.1	180.4
3573	Electronic computing equipment .....	135.0	136.0	150.4	152.1	154.6
358	Refrigeration and service machinery .....	38.4	38.5	36.1	37.0	36.9
3586	Refrigeration and heating equipment .....	26.3	26.2	23.8	24.5	24.6
359	Misc. machinery, except electrical .....	47.3	47.4	47.3	45.7	46.8
3599	Machinery, except electrical, nec .....	37.5	37.4	38.8	38.4	37.8
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>883.6</b>	<b>888.2</b>	<b>879.7</b>	<b>874.2</b>	<b>868.9</b>
361	Electric distributing equipment .....	45.7	46.5	45.0	44.4	43.9
3612	Transformers .....	18.8	19.7	18.7	18.2	18.4
3613	Switchgear and switchboard apparatus .....	26.9	26.8	26.3	26.2	25.5
362	Electrical industrial apparatus .....	90.7	91.8	87.7	85.9	84.1
3621	Motors and generators .....	50.2	51.4	48.1	46.5	45.1
3622	Industrial controls .....	28.9	28.8	28.3	28.2	27.9
363	Household appliances .....	58.8	59.8	53.9	53.1	53.9
3632	Household refrigerators and freezers .....	9.7	10.4	8.8	8.9	7.9
3633	Household laundry equipment .....	4.3	4.4	3.7	3.9	3.7
3634	Electric housewares and fans .....	28.3	28.2	25.7	24.8	25.0
364	Electric lighting and wiring equipment .....	91.7	92.6	87.8	88.2	87.2
3641	Electric lamps .....	21.1	20.8	20.7	20.7	20.6

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	39.4	39.6	38.2	38.6	38.0
365	Radio and TV receiving equipment .....	57.5	57.3	53.4	51.5	51.1
3651	Radio and TV receiving sets .....	42.7	42.4	40.8	38.8	38.0
366	Communication equipment .....	209.6	213.1	214.6	212.9	213.0
3661	Telephone and telegraph apparatus .....	77.2	76.5	72.6	72.0	71.3
3662	Radio and TV communication equipment .....	132.4	133.6	142.0	140.9	141.7
367	Electronic components and accessories .....	278.3	279.1	284.3	284.8	284.9
3671-3	Electronic tubes .....	16.5	16.6	15.8	15.9	15.6
3674	Semiconductors and related devices .....	102.9	102.9	103.4	103.5	103.5
3679	Electronic components, nec. ....	112.9	113.4	118.6	118.8	119.2
369	Misc. electrical equipment and supplies .....	51.3	51.0	53.0	53.4	53.8
3694	Engine electrical equipment .....	21.8	21.6	22.5	22.9	23.9
<b>TRANSPORTATION EQUIPMENT</b>						
37	Motor vehicles and equipment .....	296.6	330.3	293.7	290.3	289.9
371	Motor vehicles and equipment .....	106.1	138.4	100.2	98.0	99.3
3711	Motor vehicles and car bodies .....	38.7	39.7	34.4	33.3	34.7
3713	Truck and bus bodies .....	4.2	4.1	3.4	3.5	3.3
3714	Motor vehicle parts and accessories .....	60.0	61.3	59.0	57.8	58.0
372	Aircraft and parts .....	121.8	122.6	123.4	122.5	121.4
3721	Aircraft .....	64.7	55.6	68.8	67.9	67.3
3724	Aircraft engines and engine parts .....	29.7	29.7	27.5	27.3	26.9
3728	Aircraft equipment, nec. ....	27.4	27.3	27.1	27.3	27.2
373	Ship and boat building and repairing .....	22.9	23.6	23.5	23.4	23.2
3731	Ship building and repairing .....	17.2	17.6	17.9	17.4	17.1
374	Railroad equipment .....	6.2	6.0	5.0	4.7	4.5
376	Guided missiles, space vehicles, parts .....	26.4	26.3	28.9	28.8	28.9
3761	Guided missiles and space vehicles .....	21.5	21.3	23.6	23.5	23.5
379	Miscellaneous transportation equipment .....	6.6	6.8	7.2	7.2	6.8
<b>INSTRUMENTS AND RELATED PRODUCTS</b>						
38	Engineering and scientific instruments .....	305.6	306.1	305.6	304.7	303.3
381	Engineering and scientific instruments .....	24.5	24.5	24.7	24.3	24.3
382	Measuring and controlling devices .....	109.2	109.3	108.1	107.3	106.4
3822	Environmental controls .....	24.0	24.2	21.9	21.6	21.1
3823	Process control instruments .....	20.0	20.0	19.8	19.8	19.7
3825	Instruments to measure electricity .....	47.7	47.6	48.3	48.4	48.5
383	Optical instruments and lenses .....	11.4	11.3	11.8	11.4	11.4
384	Medical instruments and supplies .....	86.0	86.5	88.1	88.9	88.4
3841	Surgical and medical instruments .....	42.0	42.3	43.1	43.3	43.1
3842	Surgical appliances and supplies .....	35.9	36.0	37.0	37.6	37.4
385	Ophthalmic goods .....	24.4	24.5	22.2	22.2	22.1
386	Photographic equipment and supplies .....	38.0	38.0	39.9	39.6	39.9
387	Watches, clocks, and watchcases .....	12.1	12.0	10.8	11.0	10.8
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>						
39	Jewelry, silverware, and plated ware .....	184.5	187.0	179.0	180.4	181.6
391	Jewelry, silverware, and plated ware .....	25.3	25.6	25.7	25.7	25.5
393	Musical instruments .....	9.8	9.9	9.5	9.4	9.4
394	Toys and sporting goods .....	56.6	58.6	53.9	55.2	56.3
3942, 4	Dolls, games, toys, and children's vehicles .....	29.8	30.7	26.0	27.1	28.2
3949	Sporting and athletic goods, nec. ....	26.8	27.9	27.9	28.1	28.1
395	Pens, pencils, office and art supplies .....	19.6	19.7	19.5	19.5	19.6
396	Costume jewelry and notions .....	26.5	26.5	23.8	23.6	24.0
399	Miscellaneous manufactures .....	46.7	46.7	46.6	47.0	46.8
<b>NONDURABLE GOODS</b>						
<b>FOOD AND KINDRED PRODUCTS</b>						
20	Meat products .....	473.3	473.4	467.7	468.3	469.8
201	Meat products .....	114.2	114.4	111.5	111.0	111.1
2011	Meat packing plants .....	27.8	27.6	27.4	27.4	26.9
2013	Sausages and other prepared meats .....	20.3	20.3	20.6	20.7	20.5
2016	Poultry dressing plants .....	58.4	59.2	56.4	56.3	57.2
202	Dairy products .....	35.6	36.3	35.5	35.2	35.2
2028	Fluid milk .....	16.5	16.5	15.8	15.8	15.8
203	Preserved fruits and vegetables .....	84.7	86.1	77.9	79.7	82.7
2032	Canned specialties .....	8.6	8.6	8.5	8.7	8.2
2033	Canned fruits and vegetables .....	25.6	25.4	20.8	20.9	21.7
2037	Frozen fruits and vegetables .....	18.2	19.7	17.6	18.3	20.6
204	Grain mill products .....	29.3	29.0	29.1	28.9	28.8
205	Bakery products .....	56.6	57.2	56.1	56.9	57.3
2051	Bread, cake, and related products .....	37.2	37.5	37.5	37.4	37.8
2052	Cookies and crackers .....	19.4	19.7	19.1	19.5	19.5
206	Sugar and confectionery products .....	41.6	38.5	44.1	43.4	41.0
207	Fats and oils .....	5.8	5.7	6.0	5.8	5.9
208	Beverages .....	40.6	43.6	42.1	42.4	42.5
2082	Malt beverages .....	7.3	7.2	8.1	8.1	8.1
2086	Bottled and canned soft drinks .....	18.1	19.1	18.9	19.1	19.4
209	Misc. foods and kindred products .....	64.9	65.6	64.9	65.0	65.3
<b>TOBACCO MANUFACTURES</b>						
21	Cigarettes .....	25.4	24.2	25.5	24.1	22.5
211	Cigarettes .....	15.2	15.1	14.5	14.3	14.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
22	<b>TEXTILE MILL PRODUCTS</b>	390.5	390.1	366.9	367.0	360.5
221	Weaving mills, cotton	63.0	62.3	59.1	58.9	56.4
222	Weaving mills, synthetics	46.1	46.5	43.7	43.4	41.2
223	Weaving and finishing mills, wool	7.3	7.3	7.2	7.1	7.0
224	Narrow fabric mills	14.0	14.0	13.6	13.5	13.6
225	Knitting mills	137.6	137.6	128.6	128.9	128.9
2251	Women's hosiery, except socks	24.5	24.3	25.1	24.7	24.2
2252	Hosiery, nec	23.0	23.2	22.8	22.9	22.7
2253	Knit outerwear mills	47.3	47.7	44.2	44.3	45.2
2254	Knit underwear mills	23.1	22.9	19.9	20.3	20.0
2257	Circular knit fabric mills	11.5	11.6	9.6	9.6	9.7
226	Textile finishing, except wool	21.5	21.5	19.9	20.1	20.5
2261	Finishing plants, cotton	9.8	9.7	9.2	9.3	9.6
2262	Finishing plants, synthetic	5.9	5.9	5.7	5.6	5.6
227	Floor covering mills	21.9	21.9	20.1	20.4	20.4
228	Yarn and thread mills	59.6	59.7	56.0	56.1	54.2
2281	Yarn mills, except wool	38.2	38.2	36.3	36.2	35.4
2282	Throwing and winding mills	11.8	11.9	10.5	10.6	10.5
229	Miscellaneous textile goods	19.5	19.3	18.7	18.6	18.3
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	996.2	1,004.4	951.0	967.6	958.5
231	Men's and boys' suits and coats	58.6	58.1	59.7	59.5	58.6
232	Men's and boys' furnishings	288.5	293.5	278.3	282.4	278.3
2321	Men's and boys' shirts and nightwear	82.1	83.2	80.4	81.3	80.2
2327	Men's and boys' separate trousers	60.4	59.6	58.2	59.5	58.2
2328	Men's and boys' work clothing	81.4	81.1	79.4	80.6	78.7
233	Women's and misses' outerwear	350.3	355.1	323.8	334.3	333.2
2331	Women's and misses' blouses and waists	55.6	56.5	52.2	52.9	52.7
2335	Women's and misses' dresses	122.4	125.2	111.3	116.1	117.9
2337	Women's and misses' suits and coats	48.2	48.8	43.7	45.5	42.6
2339	Women's and misses' outerwear, nec	124.1	124.6	116.6	119.8	120.0
234	Women's and children's undergarments	77.0	76.7	75.5	76.6	76.0
2341	Women's and children's underwear	62.2	61.9	61.4	62.4	61.9
2342	Brassieres and allied garments	14.8	14.8	14.1	14.2	14.1
236	Children's outerwear	54.8	54.8	53.5	53.6	52.7
2361	Children's dresses and blouses	24.2	24.0	24.2	24.2	23.2
238	Misc. apparel and accessories	43.3	43.6	40.7	41.1	40.5
239	Misc. fabricated textile products	107.8	110.7	104.0	104.6	103.7
2391	Curtains and draperies	20.0	20.2	20.4	20.0	18.8
2392	House furnishings, nec	29.3	29.9	29.1	29.3	29.2
2396	Automotive and apparel trimmings	14.9	16.0	12.7	12.6	13.0
26	<b>PAPER AND ALLIED PRODUCTS</b>	157.4	158.7	155.2	154.7	154.3
261, 2, 6	Paper and pulp mills	27.2	27.2	27.2	26.9	26.6
262	Paper mills, except building paper	24.3	24.3	24.5	24.2	24.1
263	Paperboard mills	5.8	5.9	5.7	5.7	5.7
264	Misc. converted paper products	76.2	77.3	76.4	76.8	76.9
265	Paperboard containers and boxes	48.2	48.3	45.9	45.3	45.1
27	<b>PRINTING AND PUBLISHING</b>	499.7	532.5	515.1	517.2	519.5
271	Newspapers	157.6	157.7	164.5	165.2	164.9
272	Periodicals	56.1	56.5	59.7	59.6	59.6
273	Books	55.1	55.2	54.0	54.3	54.7
274	Miscellaneous publishing	27.2	26.8	27.2	27.4	27.5
275	Commercial printing	129.5	131.8	133.5	134.5	135.8
2751	Commercial printing, letterpress	50.9	51.8	51.8	51.9	52.3
2752	Commercial printing, lithographic	72.6	73.7	75.2	76.0	76.8
276	Manifold business forms	15.6	15.4	16.3	16.1	16.1
278	Blankbooks and bookbinding	33.1	33.5	33.1	33.7	34.2
279	Printing trade services	11.0	11.2	12.3	12.1	12.3
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	282.0	283.5	281.3	281.4	282.2
281	Industrial inorganic chemicals	23.9	24.0	23.7	24.0	24.1
2819	Industrial inorganic chemicals, nec	16.2	16.2	15.9	16.0	16.1
282	Plastics materials and synthetics	42.5	42.7	42.0	42.2	41.6
2821	Plastics materials and resins	11.2	11.2	11.2	11.4	11.3
2824	Organic fibers, noncellulosic	22.6	22.1	22.2	22.3	22.0
283	Drugs	84.4	84.6	85.7	85.5	86.0
2834	Pharmaceutical preparations	71.3	71.3	72.3	72.1	72.4
284	Soap, cleaners, and toilet goods	60.1	60.6	57.9	57.7	58.4
2841	Soap and other detergents	10.4	10.1	9.6	9.7	9.8
2844	Toilet preparations	36.7	37.7	36.2	35.6	36.3
285	Paints and allied products	12.1	12.2	11.7	11.7	11.5
286	Industrial organic chemicals	27.2	27.4	29.0	28.6	28.5
2861, 9	Gum, wood, and industrial organic chemicals, nec	22.4	22.6	24.3	24.0	23.9
287	Agricultural chemicals	10.5	10.6	10.6	10.7	10.9
289	Miscellaneous chemical products	21.3	21.4	20.7	21.0	21.2

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
29	<b>PETROLEUM AND COAL PRODUCTS</b>	29.5	29.8	31.6	31.6	31.6
291	Petroleum refining	24.4	24.8	26.6	26.7	26.6
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	252.2	254.7	245.0	244.2	243.3
301	Tires and inner tubes	10.3	10.2	9.7	9.5	8.9
302	Rubber and plastics footwear	13.8	13.8	12.7	12.2	12.9
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.7	5.9	5.2	5.0	4.9
306	Fabricated rubber products, nec	35.2	35.5	33.6	33.7	33.3
307	Miscellaneous plastics products	187.2	189.3	183.8	183.8	183.3
31	<b>LEATHER AND LEATHER PRODUCTS</b>	137.2	137.7	130.5	126.2	125.9
311	Leather tanning and finishing	2.8	2.9	2.8	2.6	2.8
314	Footwear, except rubber	93.6	93.4	89.7	85.3	85.4
3143	Men's footwear, except athletic	35.4	35.6	35.8	32.8	32.8
3144	Women's footwear, except athletic	36.2	35.7	33.2	32.2	31.4
316	Luggage	7.7	8.0	6.9	7.5	7.4
317	Handbags and personal leather goods	20.0	20.3	18.2	18.1	17.9
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,314	1,321	1,334	1,334	1,335
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	71.7	72.6	80.8	80.5	81.5
411	Local and suburban transportation	14.9	15.0	16.5	16.5	16.5
412	Taxicabs	6.9	6.9	6.7	6.7	6.8
413	Intercity highway transportation	4.9	4.8	4.8	4.6	4.7
415	School buses	42.2	42.8	49.6	49.5	50.2
42	<b>TRUCKING AND WAREHOUSING</b>	149.8	150.9	154.8	153.6	152.7
421,3	Trucking and trucking terminals	133.9	135.4	137.5	136.5	135.5
422	Public warehousing	15.9	15.5	17.3	17.1	17.2
44	<b>WATER TRANSPORTATION</b>	21.3	22.2	24.2	24.3	24.8
45	<b>TRANSPORTATION BY AIR</b>	147.3	147.8	144.0	143.9	143.3
451,2	Air transportation	138.7	139.2	134.8	134.6	133.9
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	2.9	3.0	3.4	3.4	3.4
47	<b>TRANSPORTATION SERVICES</b>	93.9	95.3	108.0	109.0	111.0
48	<b>COMMUNICATION</b>	638.9	640.2	626.9	628.0	626.5
481	Telephone communication	549.5	549.8	526.7	527.1	525.0
483	Radio and television broadcasting	64.8	65.4	70.8	71.0	71.3
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	157.9	158.7	167.0	167.8	168.2
491	Electric services	74.5	74.8	78.9	79.2	79.6
492	Gas production and distribution	37.0	37.1	39.1	39.4	39.4
493	Combination utility services	35.4	35.8	37.1	37.1	37.1
495	Sanitary services	6.0	6.0	6.6	6.7	6.7
-	<b>WHOLESALE AND RETAIL TRADE</b>	8,707	8,716	9,004	8,915	8,931
50,51	<b>WHOLESALE TRADE</b>	1,371	1,377	1,397	1,398	1,403
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	759	762	780	779	781
501	Motor vehicles and automotive equipment	86.8	87.0	88.9	89.0	89.7
502	Furniture and home furnishings	43.3	43.6	45.8	46.1	46.3
503	Lumber and construction materials	35.2	35.4	36.9	36.7	37.0
504	Sporting goods, toys, and hobby goods	23.5	23.7	24.0	23.8	24.0
505	Metals and minerals, except petroleum	29.2	29.3	29.4	29.1	28.9
506	Electrical goods	125.0	125.0	129.6	129.3	129.3
507	Hardware, plumbing, and heating equipment	64.8	64.8	65.5	65.3	65.2
508	Machinery, equipment, and supplies	303.8	305.7	314.1	313.2	314.4
509	Miscellaneous durable goods	47.6	47.7	46.2	46.2	46.4
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	612	615	617	619	622
511	Paper and paper products	48.0	47.9	50.2	49.8	49.9
512	Drugs, proprietaries, and sundries	65.3	65.0	66.3	66.3	66.7
513	Apparel, piece goods, and notions	81.5	82.3	81.4	82.1	82.5
514	Groceries and related products	151.4	152.6	148.0	148.5	147.7
516	Chemicals and allied products	35.8	35.5	37.4	37.6	37.6
517	Petroleum and petroleum products	53.6	54.0	55.4	55.0	55.4
518	Beer, wine, and distilled beverages	21.9	22.1	22.1	22.1	21.9
519	Miscellaneous nondurable goods	116.9	117.6	119.0	120.8	123.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

[In thousands]

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
52-59	<b>RETAIL TRADE</b> .....	7,336	7,339	7,607	7,517	7,528
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	156.0	159.4	152.8	152.3	154.5
521	Lumber and other building materials .....	63.1	62.9	61.7	60.9	61.3
525	Hardware stores .....	93.4	96.5	91.1	91.4	93.2
53	<b>GENERAL MERCHANDISE STORES</b> .....	1,441.7	1,408.2	1,544.4	1,465.8	1,449.3
531	Department stores .....	1,191.0	1,157.7	1,283.0	1,211.9	1,197.7
533	Variety stores .....	174.6	173.6	175.7	169.9	167.7
539	Misc. general merchandise stores .....	76.1	76.9	85.7	84.0	83.9
4	<b>FOOD STORES</b> .....	1,023.1	1,025.8	1,056.3	1,055.1	1,051.1
41	Grocery stores .....	858.3	863.1	890.9	886.7	883.7
42	Meat markets and freezer provisioners .....	16.3	16.6	16.5	15.9	15.9
46	Retail bakeries .....	79.6	80.0	79.7	80.6	81.6
5	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	298.6	296.0	309.0	307.8	308.3
51,2	New and used car dealers .....	109.8	109.8	107.9	106.8	107.1
53	Auto and home supply stores .....	49.2	46.7	51.2	48.9	48.8
54	Gasoline service stations .....	125.0	124.4	136.3	137.9	137.1
56	<b>APPAREL AND ACCESSORY STORES</b> .....	650.0	653.0	682.1	655.8	656.3
561	Men's and boys' clothing and furnishings .....	55.2	54.4	60.1	56.7	54.6
562	Women's ready-to-wear stores .....	304.1	307.1	312.8	301.3	304.2
565	Family clothing stores .....	130.5	130.1	139.1	133.0	132.8
566	Shoe stores .....	82.6	93.3	88.6	85.2	84.0
57	<b>FURNITURE AND HOME FURNISHING STORES</b> .....	203.8	202.9	207.1	205.9	204.4
571	Furniture and home furnishings stores .....	134.4	134.7	135.9	135.3	134.4
572	Household appliance stores .....	22.7	22.3	23.3	23.4	23.4
573	Radio, television, and music stores .....	46.7	45.9	47.9	47.2	46.6
58	<b>EATING AND DRINKING PLACES</b> .....	2,519.6	2,562.4	2,562.2	2,592.6	2,630.8
59	<b>MISCELLANEOUS RETAIL</b> .....	1,043.1	1,030.8	1,093.5	1,081.8	1,072.8
591	Drug stores and proprietary stores .....	310.2	306.9	321.4	315.8	314.8
592	Liquor stores .....	33.0	32.5	36.8	36.2	36.3
594	Miscellaneous shopping goods stores .....	361.8	360.1	388.9	380.4	377.5
596	Nonstore retailers .....	159.9	159.5	172.0	165.9	166.8
598	Fuel and ice dealers .....	24.2	24.1	24.9	24.9	24.8
599	Retail stores, nec .....	133.3	127.2	128.6	137.7	131.8
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,117	3,126	3,172	3,178	3,187
60	<b>BANKING</b> .....	1,141.2	1,146.1	1,168.3	1,168.9	1,165.7
602	Commercial and stock savings banks .....	1,049.9	1,054.4	1,074.3	1,075.1	1,072.0
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	399.2	399.9	404.2	404.6	406.7
612	Savings and loan associations .....	196.0	196.1	202.0	201.8	203.0
614	Personal credit institutions .....	131.2	131.8	129.3	129.1	129.3
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b> .....	105.2	105.5	118.4	119.1	120.5
621	Security brokers and dealers .....	85.1	85.9	98.3	99.0	100.3
63	<b>INSURANCE CARRIERS</b> .....	749.1	751.5	741.0	743.8	747.6
631	Life insurance .....	298.1	299.9	295.7	297.7	301.5
632	Medical service and health insurance .....	103.4	103.3	101.7	101.9	102.1
633	Fire, marine, and casualty insurance .....	297.7	298.0	295.7	296.6	296.8
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	288.5	289.9	297.3	298.2	299.7
65	<b>REAL ESTATE</b> .....	359.1	359.0	365.4	365.3	368.4
651	Real estate operators and lessors .....	142.7	143.0	148.5	148.4	151.3
653	Real estate agents and managers .....	169.4	168.7	170.7	170.8	170.4
655	Subdividers and developers .....	32.9	33.3	33.1	33.2	34.0
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	12.1	12.1	11.9	11.7	11.8
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	62.6	62.2	65.6	66.2	66.5
-	<b>SERVICES</b> .....	10,770	10,850	11,031	11,144	11,216
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	565.0	574.9	557.1	567.6	576.6
701	Hotels, motels, and tourist courts .....	548.2	557.8	540.6	551.0	559.9

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

**B-3. Women employees on nonagricultural payrolls by industry—Continued**

(In thousands)

1972 SIC Code	Industry	Feb. 1981	Mar. 1981	Jan. 1982	Feb. 1982	Mar. 1982
72	<b>PERSONAL SERVICES</b> .....	646.8	647.7	639.7	646.7	654.7
721	Laundry, cleaning, and garment services .....	221.7	221.3	222.1	219.7	219.4
723	Beauty shops .....	249.3	249.7	258.9	257.9	260.5
726	Funeral service and crematories .....	18.8	18.7	19.6	19.9	20.3
73	<b>BUSINESS SERVICES</b> .....	1,367.4	1,380.1	1,435.3	1,431.0	1,433.4
731	Advertising .....	73.4	73.8	75.8	76.4	77.2
732	Credit reporting and collection .....	52.9	53.0	53.1	52.7	52.7
733	Mailing, reproduction, stenographic .....	60.9	62.4	66.5	65.0	65.0
734	Services to buildings .....	187.4	139.1	202.5	203.9	203.9
736	Personnel supply services .....	350.5	355.5	367.7	358.0	358.8
737	Computer and data processing services .....	154.4	154.7	168.1	168.6	169.7
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	94.8	95.9	95.2	95.6	97.1
753	Automotive repair shops .....	41.8	42.9	45.6	45.5	46.6
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	59.5	58.3	58.5	59.2	59.4
78	<b>MOTION PICTURES</b> .....	82.9	84.9	78.9	77.3	79.7
781	Motion picture production and services .....	27.2	27.8	26.2	25.9	27.1
783	Motion picture theaters .....	49.6	51.1	46.3	45.1	46.3
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	263.2	271.7	277.7	286.8	302.2
80	<b>HEALTH SERVICES</b> .....	4,424.1	4,447.8	4,621.1	4,635.9	4,646.6
801	Offices of physicians .....	597.1	599.4	627.4	626.3	628.5
802	Offices of dentists .....	298.3	303.3	317.4	322.7	323.2
805	Nursing and personal care facilities .....	898.6	900.1	928.7	927.5	929.9
806	Hospitals .....	2,298.7	2,310.8	2,400.0	2,409.6	2,413.2
81	<b>LEGAL SERVICES</b> .....	365.4	367.1	385.7	386.2	389.6
82	<b>EDUCATIONAL SERVICES</b> .....	657.3	663.7	621.2	671.1	678.5
821	Elementary and secondary schools .....	208.5	210.5	192.9	199.3	204.3
822	Colleges and universities .....	381.3	395.3	359.9	402.1	404.6
83	<b>SOCIAL SERVICES</b> .....	858.3	862.6	865.0	869.1	876.0
89	<b>MISCELLANEOUS SERVICES</b> .....	344.9	349.6	360.0	368.3	370.0
891	Engineering and architectural services .....	121.5	122.8	126.1	126.7	126.8
893	Accounting, auditing, and bookkeeping .....	161.7	164.3	172.0	178.3	180.3
-	<b>GOVERNMENT</b> .....	8,028	8,050	7,712	7,831	7,886
-	<b>FEDERAL GOVERNMENT</b> .....	879	876	869	872	874
-	<b>STATE AND LOCAL GOVERNMENT</b> .....	7,149	7,174	6,843	6,959	7,012
-	State government .....	1,699.8	1,707.5	1,634.3	1,681.9	1,682.9
-	Hospitals .....	327.7	326.7	326.8	325.1	323.2
-	State education .....	717.8	722.2	651.0	699.7	704.3
-	General administration including executive, legislative, and judicial functions .....	435.6	439.4	441.6	442.1	441.4
-	Local government .....	5,448.7	5,466.8	5,208.2	5,277.2	5,329.4
-	Transportation and public utilities .....	90.9	91.1	96.5	96.3	96.2
-	Hospitals .....	503.4	504.4	520.2	521.8	523.2
-	Local education .....	3,658.4	3,656.2	3,467.7	3,529.8	3,570.6
-	General administration including executive, legislative, and judicial functions .....	974.4	930.7	936.1	941.2	950.8

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.



# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

## B-4. Employees on nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(In thousands)

Industry division and group	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. P	May P
<b>TOTAL</b> .....	91,131	91,286	91,396	91,322	91,363	91,224	90,996	90,642	90,460	90,459	90,304	89,993	89,959
<b>GOODS-PRODUCING</b> .....	25,540	25,656	25,718	25,637	25,583	25,393	25,176	24,908	24,584	24,631	24,450	24,226	24,177
<b>MINING</b> .....	985	1,137	1,164	1,180	1,192	1,195	1,202	1,206	1,201	1,203	1,197	1,182	1,158
<b>CONSTRUCTION</b> .....	4,223	4,185	4,175	4,146	4,124	4,101	4,071	4,026	3,966	3,974	3,934	3,890	3,899
<b>MANUFACTURING</b> .....	20,332	20,334	20,379	20,311	20,267	20,097	19,903	19,676	19,517	19,454	19,319	19,154	19,120
<b>DURABLE GOODS</b> .....	12,237	12,246	12,266	12,228	12,184	12,059	11,901	11,724	11,522	11,575	11,490	11,360	11,341
Lumber and wood products .....	694	685	683	671	661	643	628	615	607	611	607	614	615
Furniture and fixtures .....	473	474	476	475	473	469	462	457	452	449	446	443	444
Stone, clay, and glass products .....	646	644	644	643	638	629	620	610	596	596	590	584	586
Primary metal industries .....	1,137	1,137	1,132	1,134	1,125	1,104	1,082	1,053	1,038	1,024	1,007	977	958
Fabricated metal products .....	1,613	1,611	1,617	1,610	1,604	1,577	1,553	1,529	1,515	1,505	1,496	1,479	1,472
Machinery, except electrical .....	2,506	2,516	2,527	2,532	2,539	2,532	2,511	2,486	2,459	2,446	2,419	2,376	2,365
Electric and electronic equipment .....	2,101	2,104	2,112	2,116	2,113	2,101	2,077	2,049	2,055	2,048	2,038	2,036	2,039
Transportation equipment .....	1,930	1,938	1,925	1,901	1,884	1,861	1,839	1,791	1,777	1,778	1,774	1,747	1,760
Instruments and related products .....	726	726	731	734	734	731	727	725	720	718	716	713	714
Miscellaneous manufacturing ind. ....	411	411	419	412	413	412	411	409	403	400	397	391	389
<b>NONDURABLE GOODS</b> .....	8,095	8,088	8,113	8,083	8,083	8,038	8,002	7,952	7,895	7,879	7,829	7,794	7,779
Food and kindred products .....	1,689	1,673	1,678	1,659	1,658	1,662	1,664	1,661	1,557	1,663	1,658	1,643	1,653
Tobacco manufactures .....	70	71	70	70	69	69	69	68	69	68	68	67	67
Textile mill products .....	828	830	835	829	827	814	804	794	780	777	760	774	755
Apparel and other textile products .....	1,250	1,251	1,255	1,253	1,253	1,243	1,235	1,222	1,201	1,201	1,186	1,166	1,152
Paper and allied products .....	690	690	691	691	695	685	681	677	674	670	668	664	662
Printing and publishing .....	1,262	1,263	1,268	1,271	1,274	1,276	1,276	1,276	1,275	1,276	1,278	1,275	1,273
Chemicals and allied products .....	1,109	1,111	1,110	1,107	1,110	1,107	1,103	1,100	1,095	1,093	1,088	1,082	1,078
Petroleum and coal products .....	217	217	217	216	216	215	215	214	210	208	207	205	208
Rubber and misc. plastic products .....	745	747	750	752	746	734	725	716	712	708	703	704	706
Leather and leather products .....	235	235	239	235	235	233	230	224	222	215	213	214	215
<b>SERVICE-PRODUCING</b> .....	65,591	65,630	65,678	65,685	65,780	65,831	65,820	65,734	65,776	65,828	65,854	65,767	65,792
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,158	5,162	5,168	5,168	5,181	5,162	5,150	5,128	5,125	5,115	5,100	5,089	5,064
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,543	20,590	20,620	20,650	20,660	20,654	20,623	20,524	20,630	20,670	20,655	20,583	20,629
<b>WHOLESALE TRADE</b> .....	5,361	5,366	5,375	5,387	5,383	5,380	5,375	5,357	5,346	5,343	5,336	5,320	5,325
<b>RETAIL TRADE</b> .....	15,182	15,224	15,245	15,263	15,277	15,274	15,248	15,167	15,284	15,327	15,319	15,263	15,304
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,295	5,302	5,311	5,319	5,328	5,325	5,324	5,331	5,326	5,326	5,336	5,328	5,327
<b>SERVICES</b> .....	18,517	18,556	18,615	18,654	18,707	18,773	18,815	18,834	18,831	18,867	18,904	18,924	18,920
<b>GOVERNMENT</b> .....	16,078	16,020	15,964	15,894	15,904	15,317	15,908	15,917	15,864	15,850	15,859	15,843	15,852
<b>FEDERAL</b> .....	2,776	2,777	2,775	2,769	2,764	2,757	2,749	2,756	2,741	2,737	2,736	2,730	2,728
<b>STATE AND LOCAL</b> .....	13,302	13,243	13,189	13,125	13,140	13,160	13,159	13,161	13,123	13,113	13,123	13,113	13,124

p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

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

[In thousands]

Industry division and group	1981										1982		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>TOTAL</b> .....	38,813	38,908	38,371	39,039	39,181	39,199	39,187	39,198	39,139	39,098	39,089	39,147	39,150
<b>GOODS-PRODUCING</b> .....	6,811	6,842	6,871	6,830	6,938	6,927	6,909	6,871	6,814	6,759	6,712	6,692	6,650
<b>MINING</b> .....	123	118	121	128	131	133	135	137	138	141	140	141	142
<b>CONSTRUCTION</b> .....	377	380	380	381	383	383	382	381	381	381	384	382	382
<b>MANUFACTURING</b> .....	6,311	6,344	6,370	6,381	6,424	6,411	6,392	6,353	6,295	6,237	6,188	6,169	6,126
<b>DURABLE GOODS</b> .....	3,016	3,037	3,055	3,066	3,087	3,087	3,074	3,050	3,008	2,972	2,957	2,942	2,922
Lumber and wood products .....	103	104	105	104	104	103	100	98	95	94	93	92	91
Furnitures and fixtures .....	139	141	142	143	145	144	142	142	139	137	136	135	135
Stone, clay, and glass products .....	125	125	126	127	127	128	126	126	123	122	120	120	119
Primary metal industries .....	126	126	127	127	126	126	125	122	119	116	113	112	110
Fabricated metal products .....	336	339	341	342	344	342	340	333	326	320	317	315	313
Machinery, except electrical .....	498	501	506	512	514	519	520	520	517	511	507	505	503
Electric and electronic equipment .....	889	895	898	899	904	905	905	898	884	874	880	876	870
Transportation equipment .....	303	307	309	312	314	314	312	308	304	298	296	295	293
Instruments and related products .....	307	308	309	308	311	313	312	311	310	309	307	306	304
Miscellaneous manufacturing ind. ....	190	191	192	192	198	193	192	192	191	191	188	186	184
<b>NONDURABLE GOODS</b> .....	3,295	3,307	3,315	3,315	3,337	3,324	3,318	3,303	3,287	3,265	3,231	3,227	3,204
Food and kindred products .....	502	506	506	500	503	497	492	499	501	500	496	499	499
Tobacco manufactures .....	26	26	26	26	26	26	25	25	25	25	25	24	24
Textile mill products .....	391	393	393	394	398	394	394	388	383	378	370	368	362
Apparel and other textile products .....	1,003	1,004	1,007	1,010	1,014	1,012	1,012	1,004	998	988	971	971	958
Paper and allied products .....	160	161	161	160	162	162	163	160	158	158	157	157	156
Printing and publishing .....	502	504	505	505	508	510	512	513	513	515	516	518	518
Chemicals and allied products .....	285	284	284	285	285	284	285	285	285	285	284	284	283
Petroleum and coal products .....	31	31	31	31	31	31	32	32	32	32	32	33	33
Rubber and misc. plastics products .....	256	259	262	264	267	267	263	258	254	250	247	245	244
Leather and leather products .....	139	139	140	140	143	141	140	139	138	134	133	128	127
<b>SERVICE-PRODUCING</b> .....	32,002	32,066	32,100	32,149	32,243	32,272	32,278	32,327	32,325	32,339	32,377	32,455	32,500
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,324	1,330	1,333	1,339	1,342	1,348	1,355	1,355	1,351	1,358	1,338	1,339	1,339
<b>WHOLESALE AND RETAIL TRADE</b> ..	8,912	8,941	8,951	8,984	9,021	9,043	9,057	9,066	9,049	9,022	9,084	9,129	9,130
<b>WHOLESALE TRADE</b> .....	1,382	1,390	1,392	1,393	1,396	1,403	1,406	1,407	1,412	1,408	1,405	1,408	1,409
<b>RETAIL TRADE</b> .....	7,530	7,551	7,559	7,591	7,625	7,640	7,651	7,659	7,637	7,614	7,679	7,721	7,721
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,130	3,143	3,154	3,159	3,169	3,172	3,182	3,183	3,186	3,189	3,185	3,185	3,190
<b>SERVICES</b> .....	10,852	10,886	10,903	10,927	10,972	10,989	11,028	11,086	11,113	11,135	11,151	11,192	11,216
<b>GOVERNMENT</b> .....	7,784	7,766	7,759	7,740	7,739	7,720	7,656	7,637	7,626	7,635	7,519	7,610	7,625
<b>FEDERAL</b> .....	878	873	876	875	878	879	880	876	874	881	877	875	876
<b>STATE AND LOCAL</b> .....	6,906	6,893	6,883	6,865	6,861	6,841	6,776	6,761	6,752	6,754	6,742	6,735	6,749

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

## B-6. Production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. P	May P
<b>TOTAL PRIVATE</b> .....	60,890	61,046	61,193	61,168	61,180	61,017	60,775	60,401	60,248	60,282	60,132	59,844	59,803
<b>GOODS-PRODUCING</b> .....	18,201	18,267	18,313	18,224	18,164	17,972	17,754	17,479	17,251	17,225	17,073	16,864	16,853
<b>MINING</b> .....	717	837	856	869	876	877	882	883	875	876	871	862	843
<b>CONSTRUCTION</b> .....	3,294	3,253	3,245	3,219	3,201	3,180	3,155	3,107	3,035	3,059	3,023	2,971	2,996
<b>MANUFACTURING</b> .....	14,190	14,177	14,212	14,136	14,087	13,915	13,717	13,488	13,341	13,290	13,179	13,031	13,014
<b>DURABLE GOODS</b> .....	8,428	8,427	8,439	8,389	8,345	8,218	8,061	7,885	7,793	7,759	7,685	7,564	7,553
Lumber and wood products .....	580	572	570	558	549	531	516	503	497	502	497	505	505
Furniture and fixtures .....	382	383	385	383	381	376	369	364	359	356	353	350	351
Stone, clay, and glass products .....	498	497	496	496	492	484	475	465	452	452	446	441	444
Primary metal industries .....	876	876	872	871	865	843	821	795	780	770	756	728	712
Fabricated metal products .....	1,193	1,190	1,196	1,188	1,182	1,156	1,133	1,110	1,096	1,089	1,081	1,068	1,064
Machinery, except electrical .....	1,589	1,596	1,601	1,607	1,606	1,598	1,576	1,552	1,526	1,514	1,490	1,449	1,439
Electric and electronic equipment .....	1,325	1,325	1,331	1,331	1,327	1,314	1,285	1,257	1,266	1,258	1,248	1,244	1,249
Transportation equipment .....	1,252	1,255	1,244	1,219	1,206	1,184	1,159	1,115	1,102	1,108	1,109	1,084	1,098
Instruments and related products .....	429	429	432	431	431	428	424	423	420	418	415	411	409
Miscellaneous manufacturing ind. ....	304	304	312	305	306	304	303	301	295	292	290	284	282
<b>NONDURABLE GOODS</b> .....	5,762	5,750	5,773	5,747	5,742	5,697	5,656	5,603	5,548	5,531	5,494	5,467	5,461
Food and kindred products .....	1,164	1,148	1,154	1,139	1,137	1,142	1,144	1,140	1,135	1,142	1,138	1,124	1,132
Tobacco manufactures .....	55	55	55	55	54	54	54	53	54	53	53	52	52
Textile mill products .....	718	719	724	718	717	704	693	683	670	667	651	664	649
Apparel and other textile products .....	1,065	1,066	1,069	1,066	1,066	1,056	1,049	1,036	1,018	1,018	1,006	988	983
Paper and allied products .....	520	520	521	520	525	515	511	506	504	501	499	497	496
Printing and publishing .....	697	697	698	699	701	702	700	700	699	699	701	698	699
Chemicals and allied products .....	630	631	630	630	629	625	621	616	612	609	609	603	604
Petroleum and coal products .....	138	136	136	134	134	133	132	131	125	124	124	123	126
Rubber and misc. plastics products .....	577	580	584	586	580	568	557	548	544	538	534	538	540
Leather and leather products .....	198	198	202	200	199	198	195	190	187	180	179	180	180
<b>SERVICE-PRODUCING</b> .....	42,689	42,779	42,880	42,944	43,016	43,045	43,021	42,923	42,997	43,057	43,059	42,980	42,950
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,279	4,282	4,285	4,285	4,295	4,275	4,261	4,241	4,241	4,232	4,217	4,202	4,184
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,934	17,981	18,026	18,049	18,059	18,053	18,016	17,920	18,011	18,061	18,051	17,998	18,030
<b>WHOLESALE TRADE</b> .....	4,364	4,366	4,376	4,381	4,376	4,373	4,367	4,348	4,332	4,327	4,317	4,299	4,309
<b>RETAIL TRADE</b> .....	13,570	13,615	13,650	13,668	13,683	13,680	13,649	13,572	13,579	13,734	13,734	13,699	13,721
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,000	4,005	4,010	4,018	4,023	4,019	4,013	4,014	4,007	4,003	4,004	3,992	3,986
<b>SERVICES</b> .....	16,476	16,511	16,559	16,592	16,639	16,698	16,731	16,748	16,739	16,761	16,787	16,788	16,750

<sup>1</sup> For coverage of series, see footnote 1, table B-2.  
p=preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

**ESTABLISHMENT DATA**  
**SEASONALLY ADJUSTED EMPLOYMENT**

**B-7. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased**

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1979				
January.....	64.2	68.5	72.3	73.7
February.....	61.6	68.3	71.0	70.4
March.....	65.6	65.1	68.8	69.1
April.....	51.6	65.9	63.7	65.6
May.....	61.8	62.1	59.4	59.7
June.....	62.4	63.4	53.5	57.3
July.....	54.3	53.2	58.1	57.5
August.....	53.5	48.4	49.2	55.9
September.....	48.9	53.8	49.7	52.2
October.....	61.8	51.6	51.6	46.0
November.....	50.3	54.0	51.6	39.8
December.....	51.1	51.1	47.6	35.5
1980				
January.....	53.8	50.0	39.8	30.9
February.....	48.9	47.0	34.1	32.3
March.....	49.2	35.2	29.3	32.8
April.....	29.0	28.8	23.1	33.9
May.....	32.8	23.1	26.6	31.7
June.....	29.6	28.2	28.8	32.3
July.....	35.2	34.1	35.8	31.7
August.....	64.0	51.6	44.1	33.9
September.....	61.0	69.1	59.1	33.9
October.....	62.6	67.2	71.2	39.5
November.....	59.4	64.2	64.0	50.8
December.....	54.6	58.9	61.0	62.6
1981				
January.....	56.7	53.5	64.8	73.9
February.....	48.7	52.2	65.9	71.0
March.....	51.1	60.2	67.2	70.4
April.....	68.3	70.2	67.7	62.1
May.....	65.3	70.4	67.2	50.0
June.....	54.0	65.9	67.5	43.3
July.....	59.9	59.4	51.3	35.2
August.....	50.3	57.0	39.0	33.6
September.....	50.3	40.1	33.9	31.5
October.....	34.7	30.6	30.1	26.6p
November.....	28.2	26.3	27.7	24.7p
December.....	31.2	23.4	24.2	
1982				
January.....	32.5	28.0	21.2p	
February.....	42.5	31.2	25.0p	
March.....	35.8	31.2p		
April.....	37.9p	35.8p		
May.....	45.2p			
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

<sup>1</sup> Number of employees, seasonally adjusted, on payrolls of 186 private nonagricultural industries.  
p = preliminary.

NOTE: Figures are the percent of industries with employment rising. (Half of the unchanged components are counted as rising.)

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. In addition, data in this table have been revised from January 1972 through February 1982.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

## B-8. Employees on nonagricultural payrolls for States and selected areas by industry division

(in thousands)

State and area	Total			Mining			Construction			Manufacturing		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>ALABAMA</b>	1,346.3	1,332.6	1,327.5	8.0	16.8	16.5	67.2	63.6	64.2	362.0	344.5	346.9
1 Birmingham	339.3	340.9	341.6	3.4	8.7	8.7	19.1	17.7	18.4	61.2	57.3	56.4
2 Huntsville	120.2	124.0	124.6	(1)	(1)	(1)	3.9	3.6	3.8	35.2	36.9	37.2
3 Mobile	153.5	149.7	148.6	(1)	(1)	(1)	12.3	9.2	9.2	30.1	30.2	29.3
4 Montgomery	107.5	104.9	104.9	(1)	(1)	(1)	6.0	5.5	5.5	16.9	15.5	15.5
5 Tuscaloosa	49.8	50.5	(*)	.8	2.6	(*)	2.5	2.0	(*)	8.1	7.8	(*)
<b>ALASKA</b>	171.0	176.8	180.5	8.0	8.0	7.9	9.5	11.2	12.2	11.7	8.7	9.9
<b>ARIZONA</b>	1,045.6	1,050.1	1,048.7	24.8	21.8	21.7	72.2	62.4	62.2	158.3	155.2	154.3
8 Phoenix	659.1	664.9	663.1	.4	.4	.4	49.2	42.9	42.6	116.8	112.6	111.7
9 Tucson	191.0	191.8	192.8	7.7	5.2	6.0	13.3	11.1	11.0	23.1	25.2	25.4
<b>ARKANSAS</b>	746.0	722.0	726.0	5.7	6.1	6.3	34.6	28.0	29.4	210.3	198.1	199.3
11 Fayetteville—Springdale	66.5	65.1	65.7	(1)	(1)	(1)	2.7	2.5	2.5	29.5	18.9	18.9
12 Fort Smith	70.5	65.7	65.4	1.1	1.2	1.2	2.9	2.2	2.1	22.7	20.2	21.1
13 Little Rock—North Little Rock	179.4	176.4	176.8	(1)	(1)	(1)	8.6	8.3	8.7	29.6	28.0	27.4
14 Pine Bluff	31.6	30.9	31.1	(1)	(1)	(1)	2.1	1.5	1.7	6.3	5.9	5.9
<b>CALIFORNIA</b>	9,991.8	10,034.7	10,020.2	46.2	48.7	48.6	432.9	384.6	377.6	2,011.8	1,967.4	1,994.6
16 Anaheim—Santa Ana—Garden Grove	866.4	866.1	867.4	2.6	2.5	3.1	50.5	44.1	44.0	223.5	221.5	219.5
17 Bakersfield	134.6	134.8	135.5	13.7	14.2	14.2	6.9	6.4	6.2	10.0	9.8	9.7
18 Fresno	183.1	182.4	182.7	.9	1.0	1.0	9.8	9.1	9.4	22.5	22.1	22.1
19 Los Angeles—Long Beach	3,659.9	3,620.6	3,604.5	14.0	14.7	14.3	124.1	106.1	104.2	917.4	886.0	875.3
20 Modesto	86.8	87.2	88.1	.1	.1	.1	5.2	4.8	4.9	17.7	17.9	18.6
21 Oxnard—Simi Valley—Ventura	158.1	161.6	162.0	2.8	3.0	3.0	7.3	6.7	6.6	24.5	25.7	25.9
22 Riverside—San Bernardino—Ontario	441.4	442.5	441.4	2.2	1.5	1.9	24.0	21.5	21.4	63.5	62.4	61.8
23 Sacramento	405.6	406.3	405.1	.6	.7	.7	17.9	15.8	15.6	27.5	26.5	26.2
24 Salinas—Seaside—Monterey	89.5	89.6	90.0	.4	.4	.4	3.3	3.3	3.4	9.0	8.7	8.8
25 San Diego	663.0	661.0	661.7	.6	.6	.6	35.6	31.1	31.1	108.2	107.1	106.5
26 San Francisco—Oakland	1,575.8	1,578.9	1,577.5	3.8	4.3	4.4	75.1	72.0	71.6	200.2	194.3	192.7
27 San Jose	686.9	698.7	697.2	.1	.1	.1	24.8	21.6	21.2	242.7	249.1	248.7
28 Santa Barbara—Santa Maria—Lompoc	123.8	124.7	124.6	1.6	1.6	1.5	4.9	4.6	4.5	18.0	18.3	18.1
29 Santa Rosa	94.6	95.3	95.3	.4	.4	.4	5.4	4.5	4.4	14.7	15.5	15.5
30 Stockton	120.7	118.5	118.4	.1	.1	.1	5.6	5.3	5.3	21.7	19.6	19.9
31 Vallejo—Fairfield—Napa	101.3	101.3	102.7	.5	.5	.5	5.2	4.5	4.7	10.4	10.6	10.9
<b>COLORADO</b>	1,273.0	1,284.5	1,288.1	40.5	42.0	42.4	72.7	71.5	73.9	182.4	181.3	181.2
33 Denver—Boulder	813.9	824.5	827.1	24.3	27.6	27.6	42.9	43.1	44.1	127.0	127.0	127.1
<b>CONNECTICUT</b>	1,435.4	1,413.9	1,417.7	(2)	(2)	(2)	48.1	44.3	47.6	441.2	421.4	417.7
35 Bridgeport	169.5	167.5	168.0	(2)	(2)	(2)	4.2	3.9	4.2	64.8	64.2	67.4
36 Hartford	398.4	394.2	396.2	(2)	(2)	(2)	10.8	9.7	11.3	99.1	92.3	91.2
37 New Britain	63.5	61.2	61.7	(2)	(2)	(2)	2.1	1.8	2.2	29.6	27.5	27.1
38 New Haven—West Haven	188.5	186.9	187.0	(2)	(2)	(2)	5.5	5.4	5.9	42.4	40.4	39.8
39 Stamford	111.2	111.5	112.6	(2)	(2)	(2)	5.3	5.6	5.8	32.3	31.8	31.5
40 Waterbury	86.7	87.0	87.2	(2)	(2)	(2)	2.2	2.4	2.8	31.8	31.3	30.8
<b>DELAWARE</b>	259.1	253.7	256.0	(1)	(1)	(1)	13.0	12.9	14.0	71.8	69.7	69.4
42 Wilmington	230.1	224.4	226.1	(1)	(1)	(1)	13.8	13.0	14.4	65.7	63.4	63.1
<b>DISTRICT OF COLUMBIA</b>	612.2	600.9	602.0	(1)	(1)	(1)	12.0	11.4	11.6	15.0	14.2	14.3
44 Washington SMSA	1,606.0	1,577.2	1,582.8	(1)	(1)	(1)	78.1	65.7	67.2	58.7	58.8	59.2
<b>FLORIDA</b>	3,735.4	3,828.9	3,805.9	11.2	10.7	10.6	280.3	260.9	256.5	466.6	465.5	457.9
46 Bradenton	46.1	49.7	(*)	-	-	(*)	4.1	4.6	(*)	7.7	7.1	(*)
47 Daytona Beach	81.9	80.9	91.1	-	-	-	5.2	4.8	4.5	8.7	8.3	3.3
48 Fort Lauderdale—Hollywood	367.5	359.2	355.9	(1)	(1)	(1)	32.2	26.1	25.2	41.6	41.0	47.5
49 Fort Myers—Cape Coral	73.1	71.9	72.3	(1)	(1)	(1)	9.1	8.0	8.0	3.7	3.8	4.3
50 Gainesville	67.8	70.6	70.5	(1)	(1)	(1)	3.2	3.0	3.0	4.4	4.5	4.5
51 Jacksonville	300.3	301.0	301.5	(1)	(1)	(1)	18.0	17.7	17.7	33.6	33.0	33.2
52 Lakeland—Winter Haven	125.9	122.1	118.3	6.1	5.7	5.5	10.1	9.3	8.9	23.6	22.4	20.1
53 Melbourne—Titusville—Cocoa	105.6	106.2	105.4	(1)	(1)	(1)	6.7	5.8	5.8	23.3	24.2	24.0
54 Miami	754.7	736.8	731.2	(1)	(1)	(1)	41.7	35.6	34.7	100.7	98.4	97.6
55 Orlando	302.4	302.9	302.1	(1)	(1)	(1)	21.9	18.5	19.2	37.8	39.1	37.7
56 Panama City	34.8	34.3	(*)	(1)	(1)	(*)	2.0	2.1	(*)	3.7	3.4	(*)
57 Pensacola	99.9	99.3	100.2	(1)	(1)	(1)	7.3	6.4	6.3	12.7	12.0	12.3
58 Sarasota	74.3	74.6	73.8	(1)	(1)	(1)	7.8	6.7	6.8	6.4	6.2	6.2
59 Tallahassee	77.1	74.2	74.4	(1)	(1)	(1)	3.8	3.4	3.5	2.9	2.9	2.9
60 Tampa—St. Petersburg	575.8	576.2	575.1	(1)	(1)	(1)	42.9	38.7	38.5	79.7	78.2	77.8
61 West Palm Beach—Boca Raton	222.6	227.7	224.6	(1)	(1)	(1)	21.2	18.6	18.0	28.3	28.3	28.1

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	
71.3	70.5	70.8	269.5	270.5	272.6	59.2	59.0	59.0	211.2	212.9	212.9	296.9	294.8	294.7	1
29.3	29.7	29.8	80.6	80.4	80.8	22.9	22.9	22.9	68.7	70.0	70.3	54.1	54.2	54.3	2
2.6	2.7	2.6	21.6	22.3	22.4	3.6	3.5	3.5	18.7	19.3	19.6	34.5	35.7	35.5	3
10.5	10.2	10.3	36.5	35.8	35.7	7.3	7.2	7.3	29.3	30.2	30.4	27.5	26.8	26.7	4
4.4	4.4	4.4	23.4	23.0	23.0	6.3	6.2	6.3	20.9	20.8	20.8	29.6	29.5	29.4	5
1.7	1.7	(*)	9.9	9.7	(*)	1.7	1.7	(*)	6.6	6.5	(*)	18.5	18.3	(*)	6
17.0	17.1	17.4	29.3	31.3	31.8	8.2	8.7	8.8	30.1	31.7	32.5	57.2	60.1	60.9	7
53.3	55.1	55.2	252.1	262.1	261.2	60.2	62.3	62.1	216.7	223.5	224.2	208.0	207.7	207.8	8
32.6	34.0	34.2	168.8	175.1	174.2	46.6	48.3	48.1	140.6	147.8	148.1	104.1	103.8	103.8	9
9.0	9.0	9.0	41.8	43.7	43.8	8.6	8.8	8.8	41.4	43.1	43.0	46.1	45.6	45.8	10
42.9	42.7	42.6	159.1	158.5	160.3	31.7	32.1	32.6	118.0	116.3	116.1	143.7	140.2	140.4	11
4.0	4.0	4.1	15.8	16.2	16.6	2.3	2.3	2.3	9.4	9.5	9.5	11.8	11.7	11.8	12
3.6	3.2	3.2	14.2	14.0	14.0	2.5	2.6	2.7	12.8	12.0	12.0	10.6	10.3	10.1	13
13.7	13.1	13.1	41.7	40.7	40.9	12.7	12.7	12.8	35.4	36.0	36.3	37.7	37.6	37.6	14
3.9	3.8	3.8	6.2	6.1	6.2	1.3	1.4	1.3	5.1	5.3	5.3	6.7	6.9	6.9	15
549.3	548.6	549.2	2,270.3	2,322.2	2,325.9	641.0	656.8	657.7	2,233.2	2,326.3	2,330.6	1,807.1	1,787.1	1,787.0	16
29.1	29.6	29.6	206.8	213.7	215.0	61.5	62.7	62.4	181.9	185.1	186.5	110.5	106.5	107.3	17
7.7	7.7	7.7	34.0	33.8	34.2	5.2	5.3	5.3	24.7	24.9	25.2	32.4	32.7	35.0	18
10.7	10.6	10.6	46.9	47.7	47.6	11.6	11.7	11.7	37.7	38.1	38.1	43.0	42.1	42.2	19
200.3	195.7	195.5	809.6	817.9	815.8	239.2	241.7	241.8	859.3	883.6	883.0	496.0	474.9	471.0	20
3.8	3.7	3.7	21.1	21.8	21.3	3.6	3.6	3.6	17.4	18.1	18.1	17.9	17.2	17.8	21
6.8	7.1	7.1	37.7	39.5	39.7	8.2	8.5	8.5	31.8	32.7	32.7	39.0	38.4	38.5	22
25.9	25.9	25.9	107.2	109.5	105.6	19.5	20.1	20.0	95.1	97.2	97.3	104.0	103.6	103.5	23
22.1	22.5	22.4	92.4	94.6	94.0	22.1	22.5	22.5	78.1	79.2	78.8	144.9	144.5	144.9	24
5.3	4.9	5.0	22.8	23.1	23.3	4.4	4.3	4.3	19.9	20.0	20.1	24.4	24.9	24.7	25
29.4	29.4	29.4	149.8	150.8	151.1	40.7	41.3	41.3	153.9	157.6	158.9	144.8	143.1	142.8	26
130.2	128.3	128.0	355.9	362.7	360.8	148.8	152.9	152.6	367.8	376.7	378.9	294.0	287.7	288.5	27
22.2	22.4	22.2	126.9	132.3	132.4	28.6	28.6	28.5	158.8	161.9	162.5	82.8	82.7	81.6	28
5.2	5.3	5.3	29.0	29.4	29.5	5.9	6.0	6.0	33.6	34.7	34.9	25.6	24.8	24.9	29
4.9	4.8	4.9	22.7	23.4	23.5	6.0	6.0	6.0	20.1	20.2	20.3	20.4	20.5	20.3	30
8.3	7.8	7.8	26.9	27.3	27.0	5.3	5.4	5.4	24.7	25.5	25.3	28.1	27.5	27.6	31
4.7	4.4	4.5	22.0	22.5	22.8	3.4	3.4	3.4	20.1	20.2	20.4	35.0	35.2	35.5	32
80.8	80.3	80.7	305.7	310.4	311.6	78.8	80.9	81.2	264.7	271.7	272.9	247.5	245.4	244.3	33
56.4	55.9	56.0	191.1	194.5	194.6	55.9	57.7	58.1	176.3	180.9	182.2	139.9	137.9	137.4	34
60.7	60.2	60.1	301.7	301.4	302.2	108.7	113.9	114.3	287.7	289.5	293.0	191.3	183.2	181.8	35
6.0	6.0	6.0	34.3	34.3	34.9	7.7	7.7	7.7	34.9	34.4	34.7	17.2	17.0	17.1	36
14.3	14.4	14.5	83.5	84.7	84.7	61.3	62.6	63.0	75.4	76.2	77.5	54.0	54.3	54.0	37
3.2	3.3	3.3	10.4	10.3	10.4	1.8	1.8	1.9	9.7	10.1	10.1	6.7	6.4	6.7	38
15.7	15.7	15.8	39.9	40.1	40.1	11.0	11.3	11.3	48.7	49.5	49.7	25.3	24.5	24.4	39
4.7	4.6	4.7	25.0	25.6	26.0	8.2	8.5	8.5	25.5	25.1	25.8	10.2	10.3	10.3	40
3.1	3.1	3.1	15.5	15.7	15.8	3.8	3.8	3.9	18.8	19.3	19.4	11.5	11.4	11.4	41
12.2	11.8	11.8	55.4	54.0	55.0	12.6	12.8	12.8	48.8	48.3	48.6	45.4	44.2	44.5	42
11.8	11.6	11.5	47.1	45.8	46.1	11.8	12.0	12.0	43.5	43.3	43.6	36.4	35.3	35.3	43
26.2	26.0	26.1	63.2	63.2	63.4	34.4	33.5	33.7	188.6	187.2	187.2	272.8	265.4	265.7	44
72.3	71.8	72.4	306.5	309.8	312.3	91.2	90.5	91.4	447.9	448.2	449.9	551.6	532.4	530.4	45
228.7	229.4	230.4	987.8	1,037.2	1,037.1	271.3	283.9	281.7	859.4	919.6	912.6	630.1	621.7	623.1	46
1.4	1.5	(*)	12.7	12.7	(*)	2.9	3.8	(*)	8.4	9.8	(*)	8.9	10.2	(*)	47
3.3	3.2	3.3	23.4	23.4	23.6	4.6	4.6	4.7	22.0	21.7	21.8	14.7	14.9	14.9	48
17.8	17.5	17.6	108.9	105.5	104.9	31.7	32.6	32.2	87.8	87.7	86.7	47.5	48.8	48.8	49
4.2	4.4	4.4	21.2	20.2	20.1	6.4	6.7	6.8	16.3	17.0	16.9	12.2	11.8	11.8	50
1.6	1.7	1.7	14.1	14.6	14.7	2.9	3.2	3.2	14.0	14.8	14.5	27.6	28.8	28.9	51
24.7	25.0	25.0	77.9	77.9	77.7	28.3	28.1	28.2	63.5	65.0	65.2	54.3	54.3	54.5	52
5.3	5.3	5.2	31.0	30.1	29.4	7.0	7.0	6.9	24.9	24.6	24.5	17.9	17.7	17.8	53
4.6	4.6	4.5	22.8	22.6	22.3	4.2	4.2	4.2	25.2	26.5	26.2	18.8	18.3	18.4	54
74.4	71.5	71.4	198.7	195.4	193.8	57.7	57.7	57.1	183.6	181.3	179.9	97.9	96.9	96.7	55
15.1	15.8	15.9	81.9	81.6	81.4	20.4	20.6	20.5	82.9	82.4	82.4	42.4	44.9	45.0	56
2.2	2.1	(*)	9.6	9.5	(*)	1.6	1.7	(*)	7.0	6.7	(*)	8.7	8.8	(*)	57
5.1	4.8	4.9	23.7	24.6	24.9	4.3	4.4	4.5	20.7	21.2	21.5	26.1	25.9	26.1	58
3.2	3.3	3.2	22.7	23.5	22.8	5.9	6.2	6.1	18.6	18.4	18.3	9.7	10.3	10.4	59
3.0	3.0	3.1	15.5	15.4	15.4	3.4	3.6	3.6	13.9	13.5	13.5	34.6	32.4	32.4	60
32.1	32.6	32.8	159.0	161.5	160.5	41.0	42.3	42.6	138.9	138.5	138.6	82.2	84.4	84.3	61
9.2	9.8	9.9	58.7	62.1	60.9	18.5	18.9	19.1	55.1	58.0	56.5	31.6	32.0	32.1	62

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

## B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued

(In thousands)

	State and area	Total			Mining			Construction			Manufacturing		
		APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
1	GEORGIA	2,191.2	2,159.7	2,164.2	7.8	7.9	7.9	104.1	99.9	98.4	520.8	498.4	498.5
2	Albany	44.4	45.0	44.9	(1)	(1)	(1)	1.9	2.4	2.3	11.8	11.9	11.8
3	Atlanta	993.2	993.8	996.2	(1)	(1)	(1)	47.0	44.6	44.2	147.6	142.6	142.6
4	Augusta	122.5	122.2	122.6	(1)	(1)	(1)	5.7	5.0	4.9	35.6	34.9	34.4
5	Columbus	79.9	76.4	77.9	(1)	(1)	(1)	4.9	5.1	4.9	20.3	17.3	18.8
6	Macon	97.8	98.3	98.6	(1)	(1)	(1)	3.8	3.8	3.9	16.8	16.8	17.0
7	Savannah	87.0	89.9	89.7	(1)	(1)	(1)	4.8	4.8	4.6	16.7	16.2	16.2
8	HAWAII	406.7	403.1	403.1	-	-	-	22.4	20.3	19.6	23.2	21.9	22.4
9	Honolulu	334.7	330.3	330.6	-	-	-	18.1	16.5	15.9	16.9	15.5	16.2
10	IDAHO	326.5	314.6	315.7	4.6	3.4	3.3	15.5	14.1	15.1	52.2	47.9	47.0
11	Boise City	77.5	75.5	75.8	(1)	(1)	(1)	5.3	5.0	5.2	8.4	8.6	8.6
12	ILLINOIS	4,720.9	4,618.3	4,624.6	16.0	28.2	28.3	163.7	143.9	156.6	1,139.3	1,055.8	1,043.9
13	Bloomington—Normal	51.1	49.5	50.0	(2)	(2)	(2)	1.8	1.4	1.7	6.9	6.2	6.0
14	Champaign—Urbana—Rantoul	76.7	76.6	76.8	(2)	(2)	(2)	1.4	1.3	1.3	7.7	7.7	7.6
15	Chicago—Gary	(*)	3,391.0	(*)	(*)	3.8	(*)	100.6	(*)	(*)	809.1	(*)	(*)
16	Chicago SMSA	2,219.2	3,164.8	3,164.0	3.9	3.7	3.9	98.8	88.1	94.2	780.7	724.5	717.4
17	Davenport—Rock Island—Moline	163.9	155.4	156.1	(2)	(2)	(2)	7.3	6.6	7.2	51.2	44.6	44.1
18	Decatur	55.7	54.9	54.9	(2)	(2)	(2)	2.2	2.0	2.1	20.1	19.5	19.6
19	Kankakee	33.6	32.7	32.4	(2)	(2)	(2)	1.5	1.5	1.5	9.3	8.1	8.1
20	Peoria	146.8	142.4	142.8	(2)	(2)	(2)	6.7	5.7	6.3	47.5	44.2	43.9
21	Rockford	116.6	111.6	110.7	(2)	(2)	(2)	3.3	3.1	3.0	49.7	45.4	44.5
22	Springfield	85.7	85.9	86.5	(2)	(2)	(2)	3.9	3.4	3.8	6.7	6.4	6.3
23	INDIANA	2,122.7	2,025.9	2,022.5	6.4	8.4	8.8	85.8	70.2	72.3	663.5	608.8	616.9
24	Anderson	46.4	41.7	42.0	(1)	(1)	(1)	1.0	1.0	1.0	20.1	16.4	16.6
25	Elkhart	68.1	65.2	65.8	-	-	-	2.1	1.6	1.7	34.7	33.2	33.5
26	Evansville	125.3	123.5	124.8	1.6	2.5	2.5	6.1	6.1	6.3	36.9	34.5	33.9
27	Fort Wayne	171.3	162.9	162.7	(1)	(1)	(1)	7.2	6.1	6.6	53.8	49.3	49.2
28	Gary—Hammond—East Chicago	250.6	238.3	237.9	(1)	(1)	(1)	14.6	13.2	13.2	91.7	82.9	81.8
29	Indianapolis	532.1	517.0	518.4	(1)	(1)	(1)	21.4	18.8	20.2	123.1	116.4	115.2
30	Lafayette—West Lafayette	58.4	56.9	57.3	(1)	(1)	(1)	2.4	2.0	2.2	11.2	10.8	10.6
31	Muncie	49.8	46.7	46.5	(1)	(1)	(1)	1.2	.9	1.0	13.1	10.8	10.7
32	South Bend	197.1	103.3	103.6	(1)	(1)	(1)	4.5	3.3	3.4	30.4	29.5	29.7
33	Terre Haute	61.7	57.9	57.3	.4	1.4	1.4	3.3	2.4	2.5	15.2	13.7	13.1
34	IOWA	1,106.7	1,044.8	1,055.4	2.0	1.5	1.7	44.9	33.7	37.5	237.4	210.4	216.6
35	Cedar Rapids	82.0	78.0	77.6	(1)	(1)	(1)	3.3	2.7	2.8	26.2	24.3	23.7
36	Des Moines	177.2	171.4	170.7	(1)	(1)	(1)	6.6	4.8	4.9	23.7	21.4	20.8
37	Dubuque	42.3	39.4	39.0	(1)	(1)	(1)	1.1	.9	1.0	14.4	12.4	12.1
38	Sioux City	49.5	48.5	48.2	(1)	(1)	(1)	2.2	1.3	1.5	9.1	8.9	8.4
39	Waterloo—Cedar Falls	64.8	52.6	61.6	(1)	(1)	(1)	1.0	1.7	1.8	23.5	11.5	20.4
40	KANSAS	954.7	939.8	935.8	18.6	20.1	19.7	43.0	36.2	39.0	189.1	180.2	175.4
41	Lawrence	28.6	28.5	28.5	(2)	(2)	(2)	.8	.6	.7	4.7	4.5	4.5
42	Topeka	86.2	84.5	84.2	.2	.1	.2	3.3	2.5	2.8	10.4	9.9	9.8
43	Wichita	208.2	201.6	195.4	3.3	3.8	3.8	9.1	8.7	8.9	64.7	59.8	56.9
44	KENTUCKY	1,156.6	1,164.7	1,167.7	43.4	53.4	55.2	50.4	43.3	45.2	275.0	255.5	251.2
45	Lexington—Fayette	144.1	141.7	144.1	(1)	(1)	(1)	6.0	4.1	4.5	29.2	28.1	27.9
46	Louisville	387.2	370.4	369.7	(1)	(1)	(1)	16.4	15.8	16.5	99.7	89.0	86.0
47	Owensboro	31.0	28.0	28.0	1.2	.8	.8	1.7	1.2	1.3	6.9	6.0	5.9
48	LOUISIANA	1,614.0	1,630.6	1,628.3	95.3	100.7	100.7	136.1	136.3	133.9	218.2	206.9	205.2
49	Alexandria	52.6	53.5	53.5	(1)	(1)	(1)	3.9	3.7	3.8	5.0	5.3	5.2
50	Baton Rouge	203.9	206.3	205.3	1.3	1.3	1.3	24.8	20.9	19.5	26.3	26.0	26.1
51	Lafayette	88.5	94.2	96.3	18.0	20.3	20.7	5.7	5.5	5.8	4.6	5.0	5.2
52	Lake Charles	70.7	67.4	67.1	2.3	2.5	2.4	10.5	8.2	7.5	13.5	11.6	11.6
53	Monroe	51.2	48.8	45.2	.6	.7	.7	3.3	2.7	2.9	8.2	7.1	7.1
54	New Orleans	517.6	515.8	515.4	15.4	21.4	21.6	30.8	30.3	30.2	52.1	49.7	49.2
55	Shreveport	150.3	152.7	151.7	7.3	7.7	7.7	8.6	7.8	7.9	27.2	28.1	27.7
56	MAINE	412.0	398.9	403.0	(1)	(1)	(1)	16.3	12.5	13.8	112.3	106.6	105.9
57	Lewiston—Auburn	34.6	33.1	32.4	(1)	(1)	(1)	1.2	1.0	1.1	12.1	10.8	10.8
58	Portland	91.8	93.0	94.2	(1)	(1)	(1)	3.8	3.2	3.6	17.7	17.4	17.3
59	MARYLAND	1,723.1	1,663.7	1,683.5	(1)	(1)	(1)	97.5	77.7	80.7	233.5	217.3	216.3
60	Baltimore SMSA	971.1	933.5	949.1	(1)	(1)	(1)	46.9	35.7	36.7	157.9	144.8	144.3
61	Baltimore City	458.6	435.9	440.2	(1)	(1)	(1)	17.3	14.3	14.3	66.2	59.8	59.8

See footnotes at end of table.

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	
143.9	142.4	142.3	501.5	494.4	496.6	113.4	114.2	115.2	357.9	364.1	365.4	441.7	438.4	439.8	1
2.3	2.2	2.2	9.2	9.5	9.5	2.0	2.0	2.0	6.3	6.2	6.3	10.8	10.7	10.7	2
89.1	88.6	88.9	268.3	271.8	273.2	67.9	67.5	68.0	207.2	216.3	215.7	166.0	162.6	163.7	3
4.3	4.5	4.5	22.5	22.4	23.2	4.5	4.5	4.5	18.2	18.3	18.6	31.7	32.6	32.5	4
3.3	3.2	3.2	15.5	15.4	15.4	5.3	5.4	5.5	11.3	11.2	11.3	19.3	18.7	18.9	5
4.5	4.4	4.5	19.8	20.1	20.2	6.1	6.3	6.2	17.3	17.1	17.1	29.4	29.8	29.7	6
8.7	9.1	8.8	21.4	21.9	22.0	4.0	4.1	4.1	15.3	16.5	16.6	16.1	17.4	17.5	7
31.8	30.4	30.5	105.3	104.8	104.5	32.0	32.2	32.2	101.3	102.4	101.9	90.7	91.1	92.0	8
26.5	25.5	25.5	87.2	86.8	86.6	27.4	27.7	27.7	81.4	80.7	80.4	77.2	77.6	78.3	9
19.9	19.1	19.1	78.7	77.9	78.0	23.1	23.2	23.3	61.0	58.6	58.9	71.5	70.4	71.0	10
5.1	4.8	4.9	19.6	19.1	19.0	8.1	7.7	7.7	14.4	14.2	14.3	16.6	16.1	16.1	11
284.0	275.1	273.1	1,086.4	1,064.7	1,067.5	315.2	314.5	315.6	951.2	959.9	964.6	765.1	776.2	775.0	12
3.1	3.2	3.2	12.1	11.8	11.9	7.6	7.8	7.8	8.3	8.3	8.4	11.3	10.8	11.0	13
2.5	2.5	2.5	19.3	18.7	18.9	2.5	2.5	2.4	11.4	11.6	11.7	31.9	32.3	32.4	14
(*)	206.5	(*)	(*)	801.4	(*)	(*)	249.4	(*)	(*)	734.0	(*)	(*)	486.2	(*)	15
196.7	192.8	191.7	756.2	747.5	747.3	241.8	242.0	242.0	690.0	709.1	711.2	451.1	457.1	456.3	16
6.8	6.8	6.8	40.6	39.6	39.7	7.1	7.2	7.1	24.9	24.5	25.1	25.9	26.1	26.1	17
5.2	5.2	5.2	11.5	11.5	11.4	2.7	2.7	2.7	8.6	8.6	8.6	5.4	5.4	5.3	18
1.4	1.4	1.4	6.8	6.9	6.8	1.1	1.1	1.1	6.4	6.5	6.5	7.1	7.2	7.0	19
7.9	7.9	7.9	34.8	33.9	34.0	7.1	7.0	7.1	25.4	26.0	26.0	17.4	17.7	17.6	20
4.4	4.4	4.4	24.4	24.0	23.7	4.2	4.3	4.3	18.2	18.3	18.5	12.4	12.1	12.3	21
4.7	4.7	4.7	18.5	18.2	18.4	6.6	6.7	6.7	17.4	17.8	17.9	27.9	28.7	28.7	22
104.2	97.9	98.1	466.6	452.7	455.4	100.6	99.0	98.9	339.3	342.1	344.3	356.4	346.9	346.8	23
1.3	1.2	1.2	9.3	8.9	8.8	1.6	1.5	1.6	7.3	7.2	7.3	5.8	5.5	5.5	24
2.1	2.0	2.0	13.0	12.5	12.6	2.1	2.1	2.1	8.9	8.8	8.9	5.2	5.0	5.0	25
7.0	7.0	7.1	30.6	31.1	31.3	4.6	4.6	4.6	25.5	25.1	25.5	13.0	12.6	12.6	26
10.9	10.4	10.3	41.3	40.5	40.7	10.6	10.4	10.5	29.2	28.4	28.6	18.3	17.8	17.8	27
14.6	14.0	13.7	51.0	50.0	50.5	9.2	9.0	9.0	37.4	37.8	38.1	32.1	31.4	31.6	28
31.1	29.8	29.8	131.5	129.6	129.8	38.4	37.9	38.0	97.6	97.6	98.7	89.7	86.9	86.7	29
1.5	1.4	1.4	11.0	11.0	11.1	2.6	2.5	2.5	9.4	9.4	9.5	20.3	19.8	20.0	30
2.0	2.0	2.0	12.3	12.1	12.2	1.5	1.4	1.4	8.1	8.2	8.2	11.6	11.3	11.4	31
4.6	4.4	4.4	25.7	24.5	24.6	5.3	5.2	5.1	23.8	23.6	23.7	12.8	12.8	12.7	32
3.4	3.2	3.2	15.4	13.9	13.7	2.2	1.9	1.9	9.4	9.1	9.3	12.4	12.3	12.2	33
54.2	51.1	51.2	281.4	264.3	266.7	58.9	58.9	59.3	211.6	210.3	212.1	216.4	214.6	214.2	34
3.8	3.7	3.7	19.3	18.1	18.0	4.4	4.2	4.2	15.9	15.9	16.0	9.1	9.2	9.2	35
11.0	10.9	10.9	45.6	44.7	44.6	21.9	22.7	22.8	39.9	39.7	39.6	28.4	27.2	27.1	36
1.6	1.5	1.6	9.1	8.7	8.7	1.3	1.3	1.3	10.4	10.8	10.8	3.9	3.7	3.6	37
3.9	3.7	3.7	13.0	12.9	12.9	2.9	2.7	2.7	12.2	12.5	12.5	6.3	6.4	6.4	38
2.4	2.3	2.3	13.7	13.1	13.2	2.1	2.0	2.0	11.0	10.9	10.9	11.2	11.0	10.9	39
62.7	61.0	61.0	227.5	225.2	225.5	47.9	47.3	47.7	173.2	177.9	178.7	192.7	191.9	192.8	40
1.4	1.4	1.4	5.5	5.6	5.6	.8	.8	.8	4.0	4.2	4.1	11.4	11.4	11.4	41
8.2	7.9	7.9	18.4	18.1	18.1	6.0	5.9	5.9	17.4	18.0	17.7	22.3	22.1	21.9	42
10.3	10.2	10.3	46.9	45.8	45.9	9.5	9.5	9.6	39.8	40.6	40.6	24.6	23.2	23.4	43
66.0	65.7	64.8	255.8	249.1	248.9	52.4	51.5	51.4	215.6	214.6	217.5	238.0	231.6	233.5	44
7.4	7.5	7.5	31.4	31.8	32.6	7.4	7.1	7.2	29.2	29.8	30.9	33.5	33.3	33.5	45
23.6	22.8	23.1	87.0	85.8	86.8	24.2	23.8	23.9	76.2	77.8	77.8	60.2	55.3	55.6	46
2.2	2.3	2.3	6.9	6.2	6.2	1.2	1.3	1.3	6.1	5.5	5.5	4.8	4.7	4.7	47
131.3	131.0	131.5	364.7	371.3	371.4	73.4	75.6	76.2	286.1	295.1	295.9	308.9	313.7	313.5	48
2.4	2.3	2.3	11.5	11.8	11.8	2.9	2.9	2.9	11.0	11.5	11.5	15.9	16.0	16.0	49
10.4	11.0	10.9	44.8	47.4	47.6	11.9	12.4	12.5	35.1	37.2	37.5	49.3	50.1	49.9	50
6.6	7.2	7.4	23.0	24.4	24.9	3.0	3.3	3.3	17.0	17.7	18.3	10.6	10.8	10.7	51
4.6	4.3	4.7	14.9	15.3	15.4	2.9	3.0	3.0	10.6	11.2	11.2	11.4	11.3	11.3	52
2.7	2.5	2.5	13.0	12.5	12.7	3.9	3.8	3.9	8.8	8.6	8.7	10.7	10.9	10.7	53
56.0	55.8	55.6	129.0	128.9	129.3	31.0	31.1	31.0	117.1	117.1	117.1	82.2	81.5	81.4	54
9.3	9.2	9.0	35.5	36.0	35.6	7.4	7.1	7.2	28.8	30.6	30.5	26.2	26.2	26.1	55
18.2	18.0	18.1	86.9	84.1	85.8	16.8	17.3	17.6	77.7	76.5	77.9	82.8	83.9	83.9	56
1.2	1.1	1.2	7.8	7.8	7.9	1.6	1.7	1.7	7.5	7.7	7.7	3.2	3.0	3.0	57
5.5	5.5	5.8	24.2	24.8	25.3	7.4	7.8	8.1	20.0	21.2	21.4	13.2	13.1	12.7	58
85.1	83.6	84.0	403.1	401.0	408.3	92.6	92.8	93.5	376.4	373.2	382.3	434.9	418.1	418.4	59
57.4	55.4	55.3	222.7	221.6	228.9	57.2	57.6	57.8	201.1	199.3	205.6	227.9	219.1	220.5	60
39.3	38.2	38.2	97.6	96.1	97.0	38.3	38.6	38.7	108.2	106.1	109.4	91.7	82.8	82.8	61



# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

## B-8. Employees on nonagricultural payrolls for States and selected areas by Industry division—Continued

(In thousands)

	Total			Mining			Construction			Manufacturing		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
1 MASSACHUSETTS .....	2,665.2	2,606.3	2,625.1	(1)	(1)	(1)	76.3	69.6	77.7	667.4	642.5	659.2
2 Boston .....	1,485.0	1,467.6	1,480.7	(1)	(1)	(1)	41.9	38.6	41.6	294.0	285.6	285.1
3 Brockton .....	58.4	56.8	57.1	(1)	(1)	(1)	1.4	1.2	1.4	12.8	12.4	12.3
4 Fall River .....	53.8	52.3	52.7	(1)	(1)	(1)	1.2	.9	1.1	20.1	19.4	19.4
5 Lawrence—Haverhill .....	116.5	112.8	114.0	(1)	(1)	(1)	2.7	2.3	2.6	46.5	44.3	44.3
6 Lowell .....	79.0	79.3	80.2	(1)	(1)	(1)	2.6	2.4	2.7	29.0	29.8	29.8
7 New Bedford .....	64.9	62.1	62.8	(1)	(1)	(1)	1.5	1.2	1.3	26.0	24.9	24.7
8 Springfield—Chicopee—Holyoke .....	236.7	230.8	232.3	(1)	(1)	(1)	6.0	5.1	5.7	63.6	60.8	67.1
9 Worcester .....	166.9	163.3	162.7	(1)	(1)	(1)	5.0	4.2	4.8	47.6	45.2	44.7
10 MICHIGAN .....	3,385.4	3,223.8	3,205.3	12.4	10.8	10.0	99.8	77.1	80.5	993.5	902.4	884.1
11 Ann Arbor .....	139.6	133.6	134.4	(1)	(1)	(1)	2.3	1.6	1.7	38.7	34.6	34.5
12 Battle Creek .....	61.9	60.9	60.9	(1)	(1)	(1)	1.4	1.2	1.3	19.5	18.6	18.5
13 Bay City .....	34.1	33.9	34.0	(1)	(1)	(1)	.9	1.0	.9	9.0	8.2	8.2
14 Benton Harbor .....	58.8	56.9	57.0	(1)	(1)	(1)	1.8	1.4	1.5	20.5	19.7	19.6
15 Detroit .....	1,637.0	1,557.7	1,543.4	1.1	.8	.9	45.9	35.5	35.7	473.6	432.9	425.4
16 Flint .....	191.6	175.8	168.8	(1)	(1)	(1)	4.8	3.9	3.9	75.7	62.9	57.3
17 Grand Rapids .....	268.0	263.2	264.6	(1)	(1)	(1)	10.4	9.1	9.6	89.4	86.1	86.4
18 Jackson .....	50.8	48.8	48.4	(1)	(1)	(1)	1.1	.8	.9	14.5	13.3	13.2
19 Kalamazoo—Portage .....	119.2	107.5	107.7	(1)	(1)	(1)	4.2	3.4	3.6	32.4	30.6	30.6
20 Lansing—East Lansing .....	194.3	188.5	183.6	(1)	(1)	(1)	4.8	2.9	3.1	41.5	38.1	35.0
21 Muskegon—Norton Shore—Musk. Hts. ....	58.7	57.5	57.6	(1)	(1)	(1)	1.9	1.5	1.7	19.7	19.2	18.9
22 Saginaw .....	85.7	79.4	74.0	(1)	(1)	(1)	2.2	1.9	2.1	31.0	24.6	24.1
23 MINNESOTA .....	1,760.3	1,711.0	1,724.8	15.6	10.7	11.3	64.4	53.4	57.3	360.3	346.5	346.9
24 Duluth—Superior .....	57.9	55.0	54.5	(1)	(1)	(1)	1.8	1.2	1.3	7.1	6.7	6.3
25 Minneapolis—St. Paul .....	1,093.2	1,070.3	1,075.6	(1)	(1)	(1)	39.7	31.1	32.2	242.6	236.3	235.8
26 Rochester .....	59.8	50.1	50.2	(2)	(2)	(2)	1.6	1.4	1.6	10.2	9.9	9.9
27 St. Cloud .....	55.8	53.3	53.9	(1)	(1)	(1)	2.8	2.2	2.8	12.1	11.3	11.2
28 MISSISSIPPI .....	824.5	809.4	808.6	12.7	12.8	12.9	41.6	40.6	40.7	220.8	211.9	210.1
29 Jackson .....	147.7	146.6	146.6	2.1	2.2	2.1	6.6	5.6	5.7	18.7	17.9	17.7
30 MISSOURI .....	1,978.4	1,940.6	1,958.9	5.7	7.1	7.4	84.2	80.1	86.8	430.0	416.1	412.1
31 Kansas City .....	628.9	602.0	600.0	.5	.5	.4	23.4	19.3	20.4	119.7	114.1	109.6
32 St. Joseph .....	37.1	34.7	35.0	(2)	(2)	(2)	1.9	1.7	1.6	9.0	8.0	8.3
33 St. Louis .....	593.3	568.5	574.5	1.9	3.4	3.5	43.4	39.4	42.2	233.2	221.0	222.1
34 Springfield .....	87.7	86.0	86.1	(2)	(2)	(2)	3.1	3.0	3.3	17.8	17.7	17.1
35 MONTANA .....	281.0	288.5	290.7	11.0	11.4	11.2	12.1	13.6	13.8	22.2	20.8	21.6
36 Billings .....	47.4	49.0	45.5	(1)	(1)	(1)	2.0	2.5	2.5	4.0	4.1	4.4
37 Great Falls .....	28.6	30.8	31.1	(1)	(1)	(1)	1.2	1.5	1.6	1.4	1.5	1.5
38 NEBRASKA .....	623.8	609.7	611.4	1.7	1.4	1.6	27.2	21.1	23.3	94.9	88.9	86.3
39 Lincoln .....	55.4	57.6	57.5	(2)	(2)	(2)	3.4	2.5	2.5	13.0	12.3	12.3
40 Omaha .....	263.6	256.6	257.7	(2)	(2)	(2)	10.5	7.9	8.7	35.6	33.8	33.5
41 NEVADA .....	408.2	412.9	414.4	7.8	7.6	7.6	26.5	22.7	23.0	20.2	20.3	20.3
42 Las Vegas .....	227.2	230.9	230.6	.5	.6	.6	15.1	13.9	14.0	7.4	7.4	7.4
43 Reno .....	114.0	115.0	115.8	.9	.7	.7	6.6	5.3	5.4	8.3	8.3	8.2
44 NEW HAMPSHIRE .....	387.3	366.8	385.0	(2)	(2)	(2)	18.9	20.1	22.5	116.5	113.4	112.3
45 Manchester .....	74.5	74.3	75.0	(2)	(2)	(2)	3.1	2.6	2.8	17.2	16.9	16.9
46 Nashua .....	67.1	67.3	67.7	(2)	(2)	(2)	2.6	2.4	2.6	31.2	30.4	30.2
47 NEW JERSEY .....	3,072.4	3,037.6	3,046.6	2.2	2.3	2.4	107.8	105.0	110.1	770.1	738.7	730.3
48 Atlantic City .....	98.3	98.2	100.1	-	-	-	5.6	5.5	5.5	8.4	7.1	7.0
49 Camden .....	345.0	339.7	340.7	.1	.1	.1	12.8	12.0	12.9	71.4	68.1	67.0
50 Hackensack .....	397.7	393.4	394.5	(1)	(1)	(1)	14.6	14.0	14.5	109.1	106.7	106.0
51 Jersey City .....	223.4	222.0	221.5	-	-	-	4.7	5.1	5.5	65.8	64.2	64.3
52 Long Branch—Asbury Park .....	166.0	165.6	167.0	(1)	(1)	(1)	6.7	6.4	6.6	25.1	24.6	24.3
53 New Bruns.—Perth Amboy—Sayreville .....	294.3	288.1	286.3	(1)	(1)	(1)	10.8	10.7	11.3	91.0	87.0	85.7
54 Newark .....	940.7	932.5	934.7	.8	.8	.9	31.7	29.4	30.7	245.3	235.8	233.7
55 Paterson—Clifton—Passaic .....	191.2	186.8	185.8	(1)	(1)	(1)	6.5	5.7	5.7	67.0	65.7	65.0
56 Trenton .....	163.0	159.9	155.5	(1)	(1)	(1)	3.0	3.1	3.4	34.0	31.1	30.7
57 Vineland—Millville—Bridgeton .....	52.8	51.9	51.4	(1)	(1)	(1)	1.8	1.6	1.6	17.0	16.5	15.8
58 NEW MEXICO .....	475.0	472.7	474.9	30.8	30.6	29.7	32.9	31.5	32.1	33.7	33.1	33.0
59 Albuquerque .....	189.1	187.4	188.6	(1)	(1)	(1)	12.1	11.3	11.5	17.8	17.0	16.9
60 Las Cruces .....	30.2	31.3	31.5	-	-	-	1.7	1.8	1.8	2.6	2.7	2.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	
119.8	116.9	117.7	570.5	566.6	574.4	161.9	165.2	166.2	669.2	674.2	681.2	404.1	371.3	368.7	1
71.6	69.3	69.3	318.9	319.4	322.3	111.4	115.9	116.0	446.3	452.5	460.4	205.5	186.3	185.0	2
3.6	3.6	3.5	15.2	14.9	15.1	2.1	2.2	2.2	10.6	10.8	10.9	12.7	11.7	11.7	3
1.8	1.8	1.8	11.5	11.4	11.5	2.8	2.9	2.9	9.0	9.1	9.2	7.4	6.8	6.8	4
4.8	4.9	4.9	22.0	22.2	22.6	4.3	4.3	4.4	18.4	18.5	19.0	17.8	16.3	16.2	5
3.3	3.3	3.4	16.4	16.7	16.8	2.1	2.1	2.1	12.8	13.2	13.6	12.8	11.8	11.8	6
2.2	2.3	2.3	12.6	12.2	12.6	2.1	2.0	2.1	10.3	10.4	10.8	10.2	9.1	9.0	7
9.4	9.3	9.2	47.9	47.8	48.5	13.2	13.2	13.3	47.9	48.7	49.8	48.7	45.9	45.7	8
7.2	7.5	7.5	36.2	35.5	34.5	9.6	10.1	10.2	36.5	37.2	37.7	24.8	23.6	23.3	9
145.5	137.9	136.9	709.6	665.2	666.7	154.7	151.2	150.5	646.3	655.9	660.3	627.5	623.3	616.3	10
3.3	3.4	3.4	20.1	19.0	19.0	4.1	3.9	3.8	23.6	24.3	24.4	47.6	46.9	47.5	11
2.2	2.2	2.2	10.6	10.5	10.5	4.3	4.2	4.2	11.6	11.9	12.0	12.3	12.3	12.1	12
1.7	1.7	1.7	8.5	8.7	8.8	1.4	1.4	1.3	6.9	7.5	7.6	5.7	5.4	5.4	13
2.1	2.0	2.0	11.4	11.1	11.1	2.0	1.9	1.9	12.0	12.1	12.2	8.9	8.7	8.7	14
77.7	73.6	73.0	356.0	342.1	340.8	88.6	87.5	87.2	345.9	344.5	343.6	248.0	240.8	236.7	15
6.0	6.0	6.4	40.1	38.4	38.2	6.3	6.4	6.3	29.0	28.7	27.8	29.6	29.5	28.9	16
11.1	11.0	11.0	63.3	63.4	64.4	10.9	10.8	10.8	51.2	51.4	51.5	31.8	31.4	30.9	17
5.0	5.1	5.1	10.3	9.8	9.6	1.6	1.6	1.6	9.6	9.7	9.7	8.8	8.5	8.4	18
4.1	4.3	4.3	22.3	21.7	21.9	4.0	4.0	4.0	22.2	22.4	22.2	21.2	21.2	21.1	19
5.6	5.6	5.6	35.2	35.5	35.0	9.3	9.2	9.2	30.4	31.3	30.2	67.6	65.8	65.5	20
3.1	3.1	3.0	11.5	11.3	11.6	1.4	1.4	1.4	10.3	10.2	10.3	10.8	10.7	10.7	21
4.8	4.9	4.8	17.7	18.3	18.0	4.0	3.9	3.9	14.1	14.6	14.9	12.1	11.2	6.2	22
98.3	94.2	95.2	435.3	424.8	429.4	96.9	97.6	97.5	379.5	381.7	386.4	310.0	302.0	300.7	23
6.1	5.0	5.4	14.8	14.6	14.4	2.3	2.2	2.2	13.6	13.2	13.0	12.1	12.1	12.0	24
62.9	60.7	61.2	266.6	263.6	265.5	72.1	72.7	72.4	246.6	246.1	249.3	162.7	159.7	159.2	25
1.9	1.9	1.9	9.7	10.1	10.0	1.5	1.5	1.5	19.7	20.0	20.2	6.2	5.3	5.2	26
3.5	3.1	3.1	13.4	13.1	13.2	2.0	1.9	1.9	10.2	10.3	10.4	11.9	11.4	11.4	27
40.5	40.3	40.3	162.6	161.3	162.3	32.7	32.9	32.9	121.3	121.8	121.9	192.3	187.8	187.5	28
10.0	10.0	10.0	34.6	34.5	34.6	11.2	11.1	11.1	29.7	30.3	30.4	34.7	34.9	35.0	29
138.4	135.0	134.4	464.8	455.0	462.2	108.5	108.2	108.6	403.0	405.6	413.2	343.8	333.5	334.2	30
52.5	49.5	49.6	160.5	152.6	153.0	44.1	44.0	44.1	132.2	129.9	131.2	96.0	92.1	91.7	31
2.2	2.1	2.2	9.0	8.5	8.5	1.9	1.9	2.0	6.8	6.4	6.3	6.3	6.1	6.1	32
72.6	69.5	69.6	225.5	221.9	222.7	57.7	56.7	57.1	220.8	221.0	222.3	138.3	135.6	135.0	33
7.3	7.1	7.2	24.0	22.8	23.1	3.5	3.5	3.5	19.7	19.8	19.9	12.3	12.1	12.0	34
22.8	22.9	22.9	71.6	76.4	77.0	12.9	12.5	12.6	56.3	57.9	58.3	72.0	73.0	73.4	35
4.4	4.6	4.5	15.6	16.3	16.5	2.5	2.6	2.6	11.1	11.6	11.5	7.8	7.5	7.5	36
1.9	2.1	2.2	9.2	10.2	10.3	2.0	2.2	2.2	7.1	7.5	7.5	5.8	5.7	5.7	37
47.3	43.4	43.4	161.9	158.8	161.2	41.1	41.3	41.3	119.5	120.8	122.1	130.3	134.0	132.2	38
7.5	6.7	6.9	22.4	22.2	22.6	7.0	7.0	7.0	17.3	17.2	17.6	28.8	29.7	28.6	39
24.0	22.9	22.8	67.5	64.7	65.2	23.7	23.9	23.9	60.3	59.3	60.0	42.0	44.1	43.6	40
24.8	25.4	25.6	82.6	85.0	85.3	18.2	18.3	18.3	170.5	175.0	175.9	57.6	58.6	58.4	41
13.7	14.1	14.0	47.9	48.6	48.6	10.4	10.5	10.5	105.4	108.2	108.0	26.8	27.6	27.5	42
8.1	8.2	8.3	24.6	25.9	26.1	6.1	6.0	6.1	43.1	44.0	44.5	16.3	16.6	16.5	43
14.2	14.3	14.3	86.3	86.0	87.3	20.4	20.6	20.7	73.2	75.5	75.2	57.8	56.9	56.7	44
4.7	4.8	4.7	19.4	19.7	19.9	6.2	6.3	6.4	15.3	15.8	16.0	8.6	8.2	8.2	45
2.1	2.2	2.2	13.2	14.0	14.1	1.9	2.0	2.1	10.4	10.7	10.9	5.7	5.6	5.6	46
192.1	192.5	192.0	680.3	675.7	675.8	160.5	161.9	162.2	629.8	634.8	643.3	529.7	526.7	526.5	47
4.0	3.9	4.0	18.6	16.8	17.8	5.0	4.7	4.7	40.5	44.0	44.9	16.3	16.2	16.2	48
15.5	15.2	15.0	89.0	87.3	88.1	17.4	16.8	16.7	71.1	72.9	73.5	67.7	67.3	67.4	49
20.8	20.2	20.2	115.9	113.1	113.1	18.1	18.0	18.3	76.7	79.2	80.1	42.5	42.2	42.3	50
25.7	24.5	24.4	44.6	44.8	44.4	8.5	8.6	8.5	32.5	32.9	32.9	41.7	41.8	41.5	51
6.5	6.7	6.6	40.7	40.1	40.9	7.8	7.9	7.8	42.1	43.2	43.8	37.2	36.7	37.0	52
23.3	23.5	23.6	67.4	66.4	65.6	11.4	11.6	11.5	42.7	44.4	44.8	47.5	44.5	43.8	53
72.8	74.4	74.8	180.4	179.1	178.9	63.9	65.8	65.5	198.8	202.1	204.7	147.0	145.1	145.5	54
6.6	6.3	6.3	40.4	39.3	39.3	9.6	8.9	8.9	34.8	34.8	34.5	26.3	26.1	26.1	55
5.2	5.3	5.2	24.8	23.9	24.0	8.0	8.5	8.5	41.9	42.1	41.9	46.0	45.9	45.8	56
2.9	3.1	3.2	8.9	8.8	8.7	2.4	2.5	2.5	8.6	8.6	8.7	11.1	10.8	10.9	57
28.9	28.4	28.6	103.8	106.6	107.9	21.5	21.9	21.9	95.3	94.0	94.4	128.1	126.6	127.3	58
11.8	11.3	11.4	46.8	47.7	48.2	11.0	10.9	11.0	45.4	46.7	46.8	44.2	42.5	42.8	59
1.2	1.2	1.2	5.4	5.8	5.9	1.2	1.2	1.2	4.3	4.2	4.2	13.8	14.4	14.5	60

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

## B-8. Employees on nonagricultural payrolls for States and selected areas by Industry division—Continued

(In thousands)

	State and area	Total			Mining			Construction			Manufacturing		
		APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
1	<b>NEW YORK</b> .....	7,259.0	7,229.3	7,248.0	6.1	5.6	6.0	203.5	186.5	198.0	1,432.7	1,354.4	1,383.7
2	Albany—Schenectady—Troy.....	340.6	334.7	335.7	(1)	(1)	(1)	9.3	7.5	8.0	56.7	52.7	52.8
3	Binghamton.....	116.6	117.8	117.6	(1)	(1)	(1)	3.3	3.1	3.3	42.4	42.1	42.7
4	Buffalo.....	498.6	474.0	473.9	(1)	(1)	(1)	14.4	11.3	12.6	132.7	118.5	116.3
5	Elmira.....	36.7	35.2	34.8	(1)	(1)	(1)	1.0	.7	.8	11.0	10.2	9.6
6	Monroe County.....	341.7	342.0	342.5	(1)	(1)	(1)	9.0	8.4	8.9	137.2	138.3	138.1
7	Nassau—Suffolk.....	922.6	911.2	920.2	(1)	(1)	(1)	35.4	31.5	33.3	167.9	166.3	155.7
8	New York—Northeastern New Jersey.....	6,727.3	(*)	(*)	3.1	(*)	(*)	197.9	(*)	(*)	1,324.7	(*)	(*)
9	New York and Nassau—Suffolk.....	4,724.6	4,723.8	4,736.6	1.9	1.5	1.9	134.8	129.5	133.8	747.3	731.3	726.2
10	New York SMSA.....	3,802.0	3,812.6	3,816.3	1.7	1.7	1.7	99.3	98.0	100.6	579.4	565.0	560.5
11	New York City <sup>10</sup> .....	3,351.2	3,364.4	3,365.9	1.5	1.4	1.4	81.1	79.9	81.4	488.0	475.0	471.0
12	Poughkeepsie.....	99.3	100.9	101.8	(1)	(1)	(1)	2.7	2.6	2.6	32.0	33.1	33.2
13	Rochester.....	417.2	416.9	417.8	(1)	(1)	(1)	10.5	9.9	10.6	156.0	157.2	156.7
14	Rockland County.....	80.9	81.2	81.4	(1)	(1)	(1)	2.5	2.5	2.7	15.3	15.4	15.1
15	Syracuse.....	259.0	253.0	255.1	(1)	(1)	(1)	8.4	7.8	8.4	59.4	57.1	56.8
16	Utica—Rome.....	112.7	112.1	112.8	(1)	(1)	(1)	2.3	1.9	2.3	29.2	28.8	28.5
17	Weetchester County <sup>10</sup> .....	357.6	354.7	356.6	(1)	(1)	(1)	15.0	14.9	15.8	74.8	73.4	73.1
18	<b>NORTH CAROLINA</b> .....	2,395.4	2,343.1	2,352.8	5.0	4.8	4.8	115.4	105.2	106.6	817.4	777.7	780.3
19	Asheville.....	71.3	69.4	65.8	(1)	(1)	(1)	2.9	2.9	2.9	21.8	20.7	21.6
20	Charlotte—Gastonia.....	340.5	333.6	322.9	(1)	(1)	(1)	18.1	17.7	17.7	94.4	91.9	91.5
21	Greensboro—Winston-Salem—High Pt.....	392.5	383.8	385.4	(1)	(1)	(1)	16.9	16.0	16.4	150.1	142.5	142.9
22	Raleigh—Durham.....	279.6	277.5	278.4	(1)	(1)	(1)	13.7	12.4	12.5	45.3	44.6	44.6
23	<b>NORTH DAKOTA</b> .....	244.9	245.5	247.6	10.2	11.0	10.3	12.6	10.9	12.3	14.7	14.9	14.7
24	Fargo—Moorhead.....	61.3	61.6	61.9	(2)	(2)	(2)	2.6	2.3	2.4	4.6	4.6	4.3
25	<b>OHIO</b> .....	4,326.0	4,192.5	4,220.2	22.7	31.8	32.3	150.6	128.4	138.6	1,243.3	1,147.4	1,136.5
26	Akron.....	255.7	253.4	255.4	(*)	(*)	(*)	7.0	6.2	6.6	76.6	71.9	72.0
27	Canton.....	157.2	152.5	154.4	(*)	(*)	(*)	5.0	4.4	4.9	55.1	51.8	51.9
28	Cincinnati.....	596.9	579.6	585.4	(*)	(*)	(*)	22.4	19.7	20.5	158.0	150.9	150.5
29	Cleveland.....	880.5	856.0	861.6	(*)	(*)	(*)	26.9	24.2	25.6	247.7	234.3	233.9
30	Columbus.....	506.8	501.8	504.0	(*)	(*)	(*)	17.5	15.2	16.0	93.4	89.2	88.5
31	Dayton.....	354.0	345.3	346.4	(*)	(*)	(*)	11.8	9.3	9.9	97.9	91.2	91.8
32	Toledo.....	292.7	283.4	285.6	(*)	(*)	(*)	10.9	9.7	10.5	75.3	68.7	68.5
33	Youngstown—Warren.....	198.4	187.9	187.5	(*)	(*)	(*)	5.8	5.1	5.5	69.2	58.7	56.4
34	<b>OKLAHOMA</b> .....	1,186.5	1,213.8	1,216.9	91.8	104.7	102.9	53.3	53.2	53.9	197.6	192.2	189.8
35	Enid.....	27.0	26.8	26.5	2.9	3.2	3.0	1.7	1.2	1.3	3.1	2.8	2.7
36	Lawton.....	29.6	30.0	30.0	(1)	(1)	(1)	1.4	1.4	1.3	3.1	3.0	3.0
37	Oklahoma City.....	419.6	431.1	434.7	25.4	29.4	29.6	20.1	21.3	21.5	56.2	52.0	51.7
38	Tulsa.....	318.3	329.1	328.1	25.7	28.5	28.6	15.7	15.8	15.9	67.0	69.0	67.2
39	<b>OREGON</b> .....	1,021.7	971.3	970.7	2.0	1.8	1.9	36.4	30.0	28.8	201.7	186.3	185.6
40	Eugene—Springfield.....	100.7	95.7	95.8	(1)	(1)	(1)	3.6	2.9	2.7	18.7	16.2	16.2
41	Jackson County.....	-	-	-	-	-	-	-	-	-	7.4	5.9	6.2
42	Portland.....	549.3	526.8	525.5	(1)	(1)	(1)	20.8	19.0	18.7	109.1	101.7	101.1
43	Salem.....	85.1	82.8	82.5	(1)	(1)	(1)	3.4	2.7	2.6	11.6	10.7	10.7
44	<b>PENNSYLVANIA</b> .....	4,731.5	4,577.9	4,589.1	28.2	47.0	47.8	178.2	153.3	160.8	1,304.8	1,216.0	1,204.8
45	Allentown—Bethlehem—Easton.....	264.8	255.3	255.4	(1)	(1)	(1)	8.4	6.8	7.0	104.6	98.8	98.3
46	Alltoons.....	49.8	48.0	48.9	(1)	(1)	(1)	1.9	1.9	1.9	12.5	12.1	12.3
47	Delaware Valley <sup>11</sup> .....	1,593.8	1,552.9	1,554.1	(1)	(1)	(1)	61.5	52.7	53.8	362.0	342.1	341.0
48	Erie.....	111.8	106.2	106.5	(1)	(1)	(1)	3.1	2.6	2.7	41.1	39.5	39.3
49	Harrisburg.....	226.4	223.6	224.6	(1)	(1)	(1)	8.0	6.5	6.8	42.3	40.6	40.2
50	Johnstown.....	78.3	79.0	79.4	2.9	7.9	7.9	2.6	1.9	2.0	17.3	15.3	15.2
51	Lancaster.....	155.3	150.4	151.7	(1)	(1)	(1)	6.5	5.5	6.0	59.4	56.5	55.9
52	Northeast Pennsylvania.....	240.0	232.7	232.2	1.1	1.0	1.1	10.3	9.1	9.5	69.5	66.4	65.5
53	Philadelphia SMSA.....	1,937.6	1,892.6	1,895.1	(1)	(1)	(1)	74.3	64.7	66.8	433.3	410.1	408.1
54	Philadelphia City <sup>12</sup> .....	781.9	761.0	758.7	(1)	(1)	(1)	19.8	17.5	17.8	130.0	122.8	122.4
55	Pittsburgh.....	937.9	894.4	897.1	3.6	9.4	9.4	42.5	38.8	41.2	240.0	209.8	204.7
56	Reading.....	138.6	136.0	136.1	(1)	(1)	(1)	4.7	4.1	4.3	52.4	51.2	50.7
57	Williamsport.....	46.7	45.7	45.8	(1)	(1)	(1)	1.2	.9	1.1	16.3	16.0	15.9
58	York.....	155.3	151.6	152.2	(1)	(1)	(1)	6.5	6.3	6.5	64.1	62.2	61.9
59	<b>RHODE ISLAND</b> .....	400.0	386.9	387.2	(1)	(1)	(1)	11.4	9.8	11.2	127.2	118.3	116.5
60	Providence—Warwick—Pawtucket.....	407.1	392.9	392.4	(1)	(1)	(1)	11.6	9.9	11.3	140.3	130.8	128.8
61	<b>SOUTH CAROLINA</b> .....	1,204.6	1,180.8	1,189.1	(1)	(1)	(1)	71.5	65.2	65.6	388.2	369.9	370.0
62	Charleston—North Charleston.....	152.1	153.1	152.7	(1)	(1)	(1)	10.3	9.6	9.9	20.8	19.6	19.6
63	Columbia.....	179.7	180.5	180.2	(1)	(1)	(1)	8.3	8.3	8.3	27.4	26.4	25.9
64	Greenville—Spartanburg.....	267.2	264.9	265.2	(1)	(1)	(1)	16.1	15.7	15.5	102.3	98.5	98.3

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	
425.0	423.0	424.0	1,447.8	1,438.1	1,446.5	648.7	661.8	664.6	1,773.1	1,803.5	1,811.9	1,318.0	1,316.3	1,313.8	1
15.2	15.2	15.1	67.6	67.6	66.2	15.9	15.8	15.9	73.5	74.4	74.7	102.4	101.4	101.0	2
4.6	4.6	4.6	21.0	20.8	21.0	4.1	4.2	4.1	18.9	19.6	19.5	23.2	22.4	22.2	3
27.0	24.7	25.3	109.2	105.8	106.8	22.3	22.3	22.4	105.8	107.0	106.9	87.2	84.3	83.7	4
1.3	1.3	1.3	8.4	8.6	8.6	1.1	1.2	1.2	7.2	7.1	7.1	6.7	6.2	6.2	5
10.3	10.2	10.2	59.0	59.8	59.5	14.2	14.2	14.3	70.7	71.0	71.4	41.3	40.1	40.1	6
40.2	42.1	41.9	235.1	232.1	235.1	52.3	52.9	53.1	212.7	212.9	217.6	178.9	173.4	173.6	7
469.3	(*)	(*)	1,388.0	(*)	(*)	635.5	(*)	(*)	1,617.9	(*)	(*)	1,090.9	(*)	(*)	8
318.8	315.5	315.4	947.5	939.9	944.0	543.6	555.6	557.7	1,259.1	1,281.5	1,288.4	771.6	768.6	769.1	9
276.6	273.4	273.5	712.4	707.8	705.0	491.3	502.8	504.7	1,046.6	1,068.6	1,071.0	592.7	595.2	595.5	10
254.9	250.1	250.2	609.2	604.5	605.1	468.7	480.1	481.9	934.2	957.4	958.2	513.6	516.0	516.6	11
2.8	2.9	2.9	16.3	16.3	16.4	2.8	2.9	2.9	18.8	19.0	19.6	23.8	24.2	24.2	12
12.7	12.6	12.5	76.4	77.0	77.1	15.7	15.7	15.9	82.8	83.0	83.5	62.9	61.5	61.5	13
3.4	3.4	3.4	17.4	17.5	17.6	2.6	2.7	2.7	18.6	18.1	18.2	21.0	21.6	21.6	14
14.5	14.1	14.1	55.6	54.8	55.5	16.3	16.4	16.4	55.1	53.9	54.7	49.7	48.8	49.1	15
4.0	3.9	3.9	22.0	21.8	22.1	5.5	5.5	5.5	21.1	21.1	21.4	28.6	29.2	29.1	16
19.7	19.3	19.3	82.8	82.8	83.2	19.5	19.4	19.6	90.9	90.4	91.7	54.9	54.3	54.1	17
115.8	115.9	115.1	470.3	462.0	465.6	97.4	98.4	98.6	352.2	355.8	359.7	421.9	423.3	422.1	18
3.6	3.5	3.6	15.5	15.2	15.5	2.3	2.4	2.4	13.2	12.4	12.6	12.0	12.3	12.2	19
31.3	31.1	30.9	82.6	79.4	79.2	21.4	21.5	21.6	54.5	54.4	54.6	38.2	37.6	37.4	20
21.1	21.2	21.0	77.3	76.2	76.4	18.7	18.8	18.9	60.0	61.3	61.9	48.4	47.8	47.9	21
13.2	13.8	13.8	52.7	51.9	52.4	15.8	16.1	16.2	61.9	61.0	61.5	77.0	77.7	77.4	22
17.0	16.9	16.8	65.7	65.3	66.4	11.7	11.8	11.9	51.5	53.3	53.9	61.5	61.4	61.3	23
3.9	3.7	3.7	18.5	18.6	18.9	3.9	3.9	3.9	14.5	14.9	15.1	13.3	13.6	13.6	24
217.0	211.9	213.9	939.7	916.1	925.7	204.0	204.6	205.2	854.3	866.5	882.1	694.4	685.9	681.9	25
13.9	13.7	13.7	57.1	56.1	57.0	9.2	9.1	9.1	51.0	51.8	52.6	44.4	44.0	43.8	26
7.0	7.0	7.0	33.1	32.3	33.1	6.3	6.3	6.4	30.1	30.1	30.6	19.3	19.3	19.3	27
33.2	32.7	32.8	139.4	135.4	137.8	32.4	32.0	32.0	125.0	123.8	127.0	86.1	84.9	84.6	28
44.8	43.4	44.3	198.9	192.9	195.0	47.6	47.6	47.4	192.5	194.2	196.9	120.9	118.2	117.1	29
24.2	23.6	23.8	117.8	118.8	119.5	38.9	40.5	40.6	108.2	109.9	111.4	106.0	103.7	103.4	30
13.1	12.9	13.0	72.5	71.1	72.1	13.4	13.7	13.7	74.3	76.4	76.9	70.5	70.4	69.7	31
15.4	18.6	18.9	65.5	64.3	64.9	10.6	10.5	10.6	63.0	64.7	65.9	47.5	46.3	45.9	32
9.1	8.8	8.9	43.8	42.5	43.4	7.0	7.1	7.1	38.7	38.9	39.6	24.0	25.9	25.7	33
69.2	67.4	67.5	274.0	281.1	284.8	57.9	59.5	59.9	201.4	208.3	211.0	241.3	247.4	247.1	34
2.7	2.7	2.7	7.1	7.1	7.2	1.2	1.2	1.2	4.6	4.7	4.6	3.7	3.8	3.8	35
1.3	1.4	1.4	7.4	7.4	7.4	1.2	1.2	1.3	4.5	4.7	4.7	10.7	10.9	10.9	36
23.8	24.6	24.8	103.3	106.1	107.8	25.8	26.8	26.9	73.5	76.0	78.0	91.5	94.9	94.4	37
23.7	23.6	23.9	71.9	74.1	74.2	15.5	16.0	16.0	63.2	65.9	66.1	35.6	36.2	36.2	38
59.1	56.8	56.7	252.3	240.0	242.3	68.7	64.8	64.8	193.8	187.4	187.5	207.7	204.2	203.1	39
5.0	4.7	4.7	25.3	24.0	24.2	5.5	5.3	5.3	19.6	19.3	19.6	23.0	23.3	23.1	40
35.8	35.9	35.7	141.8	136.2	136.6	45.5	44.8	44.4	112.3	108.8	108.5	84.0	80.4	80.5	41
2.8	2.8	2.8	18.7	18.1	18.0	5.6	5.7	5.7	15.6	15.8	15.9	27.4	27.0	26.8	42
261.1	243.0	243.3	983.7	962.5	967.9	239.8	240.7	240.8	1,007.1	1,012.0	1,018.5	728.6	703.4	705.2	44
13.9	13.7	13.6	52.3	50.7	50.8	9.6	9.6	9.7	45.8	46.2	46.6	30.2	29.5	29.4	45
6.8	5.5	5.9	10.6	10.3	10.5	1.5	1.5	1.5	8.7	8.6	8.7	7.8	8.1	8.1	46
82.3	77.8	78.5	331.4	322.7	324.3	110.5	113.2	113.0	408.3	416.6	415.3	237.8	227.8	228.2	47
4.9	4.7	4.7	21.7	20.7	21.2	4.8	4.8	4.8	22.5	22.6	22.6	13.7	11.3	11.2	48
17.2	16.0	16.1	46.0	44.7	45.0	12.8	12.9	12.8	40.4	41.5	42.2	59.7	61.4	61.5	49
5.0	4.8	4.7	15.7	14.9	15.0	3.9	4.0	4.0	15.7	15.6	15.8	15.2	14.6	14.8	50
6.4	5.8	6.1	33.9	33.1	33.8	5.6	6.1	6.1	27.5	28.0	28.4	16.0	15.4	15.4	51
12.9	12.5	12.4	50.2	47.7	48.0	9.9	10.0	10.1	46.8	47.7	48.1	39.3	38.3	38.5	52
97.2	93.0	93.6	420.5	410.0	412.4	127.9	130.0	129.7	478.5	489.7	488.8	305.9	295.1	295.7	53
51.9	48.8	49.1	144.4	140.6	140.7	66.4	65.9	65.9	222.1	226.2	223.7	147.3	139.2	139.1	54
56.1	52.1	52.1	210.8	204.3	208.5	47.0	46.2	46.2	219.8	218.6	220.1	118.1	115.2	114.8	55
6.3	6.5	6.5	27.9	26.9	27.0	6.4	6.4	6.5	23.6	23.8	24.1	17.3	17.1	17.0	56
2.3	2.3	2.3	9.6	9.5	9.4	2.2	2.2	2.2	8.2	8.3	8.4	6.9	6.5	6.5	57
7.5	7.3	7.3	32.9	32.4	32.6	4.1	3.9	4.0	21.8	21.8	22.1	18.4	17.7	17.8	58
13.1	13.0	13.0	80.6	77.3	78.3	20.9	21.1	21.1	88.0	89.6	90.2	58.8	57.8	56.9	59
13.1	12.8	12.8	80.7	77.2	77.8	20.8	21.0	21.0	84.2	85.9	86.4	56.4	55.3	54.3	60
53.4	54.0	54.3	230.5	231.1	235.0	48.6	50.6	51.0	170.2	170.1	173.2	242.2	239.9	240.0	61
8.9	8.8	8.7	32.4	32.6	33.3	6.5	6.6	6.7	25.2	28.2	27.3	48.0	47.7	47.2	62
9.5	9.5	9.6	37.9	36.7	36.7	14.1	14.6	14.7	27.5	28.3	28.4	55.0	56.7	56.6	63
9.9	9.3	9.3	53.9	55.1	55.4	9.9	10.3	10.4	38.1	39.5	39.7	37.0	36.5	36.6	64

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

## B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract Construction			Manufacturing		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
1 SOUTH DAKOTA	235.5	229.5	231.5	2.9	2.8	2.8	9.1	6.8	7.4	25.6	25.5	25.3
2 Sioux Falls	54.0	54.7	55.7	(2)	(2)	(2)	2.3	1.9	2.1	7.4	7.5	7.7
3 TENNESSEE	1,751.5	1,720.0	1,720.8	10.0	10.6	10.7	75.0	82.4	85.2	507.1	487.6	482.2
4 Chattanooga	170.0	167.5	167.3	1.1	1.1	1.2	5.9	5.8	5.8	49.1	47.6	47.5
5 Knoxville	203.6	203.8	205.8	1.6	1.5	1.6	9.7	10.3	10.5	51.7	48.9	48.2
6 Memphis	359.9	350.8	352.6	.2	.2	.2	14.2	13.6	13.8	60.1	55.8	56.8
7 Nashville—Davidson	365.0	351.3	353.1	(1)	(1)	(1)	17.2	15.2	15.7	82.2	79.0	78.3
8 TEXAS	6,086.8	6,298.1	6,307.5	275.4	308.0	304.6	426.3	445.6	443.3	1,099.4	1,098.5	1,190.5
9 Dallas—Fort Worth	1,509.1	1,542.6	1,551.9	29.1	31.9	32.1	82.1	79.4	79.8	331.4	325.5	323.8
10 Houston	1,538.3	1,587.0	1,589.5	99.4	104.9	104.1	149.2	146.5	145.9	258.9	266.4	264.5
11 San Antonio	410.5	412.9	413.3	3.0	3.6	3.6	27.3	26.3	26.2	51.7	51.6	51.2
12 UTAH	550.7	560.3	560.6	17.2	21.0	20.2	26.9	24.0	25.2	87.9	88.6	87.9
13 Salt Lake City—Ogden	389.4	394.1	393.6	8.0	7.9	7.3	17.9	15.9	16.3	60.3	61.3	60.7
14 VERMONT	200.2	200.3	197.2	.7	.5	.5	9.5	7.8	8.6	51.0	49.5	48.7
15 Burlington <sup>11</sup>	59.6	59.6	56.2	-	-	-	-	-	-	15.4	15.8	15.9
16 Springfield <sup>12</sup>	14.4	14.0	13.6	-	-	-	-	-	-	6.2	5.5	5.4
17 VIRGINIA	2,146.2	2,144.8	2,155.0	12.9	23.8	24.1	116.5	102.0	104.8	411.8	398.9	398.2
18 Bristol	26.9	26.5	26.8	(1)	(1)	(1)	1.0	.7	.7	9.1	8.8	8.9
19 Lynchburg	70.6	69.3	65.3	(1)	(1)	(1)	2.7	2.3	2.4	28.5	27.7	27.4
20 Newport News—Hampton	150.8	148.7	151.9	(1)	(1)	(1)	6.8	6.2	6.4	34.6	34.1	34.3
21 Norfolk—Virginia Beach—Portsmouth	286.3	286.9	288.1	(1)	(1)	(1)	16.4	16.0	16.2	29.1	28.5	27.9
22 Northern Virginia <sup>13</sup>	463.9	467.4	465.2	.4	.4	.3	29.0	24.5	25.2	19.6	21.1	21.2
23 Petersburg—Colonial Hgts.—Hopewell	44.9	45.0	45.5	(1)	(1)	(1)	2.0	1.6	1.6	10.7	10.2	10.2
24 Richmond	329.4	327.6	327.5	.3	.3	.3	17.6	17.0	17.0	56.4	55.0	54.6
25 Roanoke	103.0	101.2	101.5	.2	.2	.2	5.1	4.0	4.2	21.3	20.5	20.1
26 WASHINGTON	1,605.6	1,550.7	1,553.3	3.1	3.1	3.0	89.3	74.3	74.0	301.1	290.4	288.4
27 Seattle—Everett	780.2	755.7	(*)	(1)	(1)	(*)	36.7	32.5	(*)	170.0	163.9	(*)
28 Spokane	126.8	121.0	(*)	(1)	(1)	(*)	6.1	4.5	(*)	16.1	15.0	(*)
29 Tacoma	142.4	139.6	139.9	(1)	(1)	(1)	6.6	5.9	6.0	22.8	22.0	22.1
30 WEST VIRGINIA	585.0	609.5	606.6	19.1	65.7	64.2	28.8	20.4	20.8	111.3	102.5	101.1
31 Charleston	106.7	105.0	105.1	2.1	6.8	6.8	6.1	4.0	4.3	16.3	16.4	16.2
32 Huntington—Ashland	100.9	100.6	100.7	.8	1.2	1.2	5.2	3.4	3.5	23.8	23.9	23.9
33 Parkersburg—Martinsburg	59.4	56.9	56.9	1.2	1.4	1.4	3.5	2.4	2.5	16.7	15.9	15.7
34 Wheeling	60.4	62.4	62.6	1.1	4.7	4.7	2.5	1.8	1.9	11.6	10.9	10.4
35 WISCONSIN	1,908.8	1,857.0	1,856.2	2.1	1.5	1.3	59.4	47.5	49.1	539.7	505.9	493.1
36 Appleton—Oshkosh	124.3	121.5	120.6	(1)	(1)	(1)	4.9	4.0	4.2	45.6	44.4	42.2
37 Eau Claire	48.6	47.9	48.1	(1)	(1)	(1)	1.5	1.3	1.3	9.2	8.7	8.6
38 Green Bay	78.0	76.5	77.0	(1)	(1)	(1)	3.2	2.3	2.6	21.5	20.7	20.7
39 Janesville—Beloit	52.4	47.1	48.0	(1)	(1)	(1)	1.4	1.0	.9	20.5	15.6	16.1
40 Kenosha	42.5	38.8	39.1	(1)	(1)	(1)	1.6	1.4	1.4	16.6	14.0	14.1
41 La Crosse	45.0	44.9	45.0	(1)	(1)	(1)	1.6	1.0	1.1	10.2	10.0	10.0
42 Madison	169.9	167.8	168.4	(1)	(1)	(1)	5.9	4.8	4.8	19.8	19.1	19.0
43 Milwaukee	657.9	640.5	633.9	(1)	(1)	(1)	17.6	14.9	14.8	197.2	182.2	176.1
44 Racine	67.3	63.3	60.0	(1)	(1)	(1)	1.5	1.1	1.4	28.3	25.2	21.8
45 WYOMING	209.9	210.7	213.3	36.5	39.6	39.9	18.9	15.6	16.8	9.5	9.7	9.9
46 Casper	39.6	39.9	40.6	7.5	7.5	7.3	3.3	3.1	3.4	1.9	1.8	1.9
47 Cheyenne	30.6	29.8	29.5	(1)	(1)	(1)	2.0	1.4	1.4	1.5	1.3	1.3
48 PUERTO RICO	(*)	(*)	(*)	.9	.8	.8	35.4	25.7	25.4	(*)	(*)	(*)
49 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
50 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
51 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	2.8	1.5	1.8	(*)	(*)	(*)
52 San Juan	(*)	(*)	(*)	(*)	(*)	(*)	24.5	19.4	18.9	(*)	(*)	(*)
53 VIRGIN ISLANDS	37.9	36.6	35.9	(2)	(2)	(2)	3.6	3.3	2.9	3.2	2.8	2.7

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

<sup>2</sup> Combined with construction

<sup>3</sup> Revised to 1981 benchmark; not strictly comparable with previously published data.

<sup>4</sup> Area included in Chicago—Gary Standard Consolidated Statistical Area.

<sup>5</sup> Subarea Baltimore Standard Metropolitan Statistical Area.

<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

<sup>7</sup> Subarea of New York—Northeastern New Jersey.

<sup>8</sup> Subarea of Rochester Standard Metropolitan Statistical Area.

<sup>9</sup> Area included in New York and Nassau—Suffolk combined SMSA's.

<sup>10</sup> Subarea of New York Standard Metropolitan Statistical Area.

<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>12</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

<sup>13</sup> Total includes data for industry divisions not shown separately.

<sup>14</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Loudoun, and Prince William Counties, Virginia.

p = preliminary.

\* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA  
STATE AND AREA EMPLOYMENT**

**B-8. Employees on nonagricultural payrolls for States and selected areas by industry division—Continued**

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	
12.8	12.9	12.9	63.7	62.9	63.5	11.2	11.2	11.3	51.2	49.2	50.0	59.0	58.2	58.3	1
4.6	4.5	4.5	15.7	15.8	16.2	3.4	3.4	3.4	13.7	14.6	14.8	6.9	7.0	7.0	2
85.5	83.2	82.0	371.9	364.4	365.7	78.3	76.0	76.4	301.0	309.7	315.5	322.7	306.1	303.1	3
7.7	7.6	7.6	34.1	34.1	33.9	9.8	9.6	9.8	29.2	29.2	29.1	33.1	32.5	32.4	4
8.3	8.0	7.8	42.9	43.6	45.2	8.8	8.8	8.9	33.3	34.3	35.0	47.3	48.4	48.6	5
27.4	26.6	26.4	96.4	95.6	95.9	20.0	19.9	19.9	74.6	75.2	75.9	67.0	63.9	63.7	6
19.9	19.9	19.8	82.1	75.4	76.7	24.7	23.8	23.8	76.1	76.8	77.5	62.8	61.2	61.3	7
377.8	392.0	392.5	1,479.4	1,563.6	1,569.8	344.8	354.7	356.1	1,074.6	1,119.6	1,131.8	1,009.1	1,016.1	1,018.9	8
96.9	100.1	100.1	394.3	407.7	411.7	112.8	118.4	115.4	276.5	293.6	298.6	186.0	186.0	186.4	9
106.7	109.1	110.1	365.3	380.8	382.5	91.5	96.0	96.9	298.0	311.1	312.2	169.3	172.2	173.3	10
18.5	19.4	19.4	103.3	102.1	102.5	27.3	27.8	27.9	84.6	85.7	86.0	94.8	96.4	96.5	11
33.8	35.5	35.8	127.3	128.2	128.2	26.3	26.7	26.8	104.2	107.4	107.9	127.1	128.8	128.5	12
26.5	27.3	27.5	94.8	95.6	95.4	21.0	21.7	21.8	70.8	72.5	73.2	90.1	91.8	91.3	13
8.4	8.4	8.5	41.4	41.9	42.2	8.2	8.3	8.3	43.6	45.9	43.5	37.4	38.0	36.9	14
2.3	2.3	2.4	12.5	12.4	12.5	-	-	-	12.6	12.4	12.5	-	-	-	15
.6	.6	.7	2.2	2.2	2.1	-	-	-	2.4	2.8	2.4	-	-	-	16
114.6	116.9	116.8	454.7	465.5	469.8	105.9	105.7	105.8	413.5	418.5	422.4	516.4	513.6	513.2	17
1.0	1.1	1.1	6.3	6.7	6.7	.9	.9	.9	3.4	3.4	3.5	5.2	4.9	5.0	18
2.7	2.7	2.7	12.2	12.2	12.1	3.3	3.3	3.3	11.1	11.2	11.2	10.2	10.1	10.1	19
4.9	5.1	5.2	28.3	28.4	25.0	4.7	4.7	4.8	30.7	29.7	31.5	40.8	40.5	40.7	20
19.2	19.9	19.8	69.0	68.9	69.8	14.9	14.9	15.0	57.6	58.9	59.9	80.1	79.8	79.5	21
32.1	31.6	31.8	110.0	113.5	114.0	28.8	28.8	29.0	124.4	126.5	126.9	119.7	121.1	120.7	22
1.3	1.3	1.3	8.6	8.9	9.3	1.2	1.2	1.2	6.6	7.1	7.1	14.4	14.7	14.8	23
19.6	19.7	19.6	76.2	76.4	76.9	26.6	26.0	26.2	60.2	61.1	61.6	72.6	72.1	71.4	24
9.4	9.8	9.8	24.8	24.9	25.2	6.1	6.0	6.0	20.6	20.6	20.8	15.6	15.3	15.3	25
89.1	86.2	85.9	377.5	371.6	375.2	90.8	90.5	91.3	318.5	313.1	315.2	336.2	321.5	320.3	26
51.8	50.1	(*)	185.3	182.6	(*)	57.3	57.6	(*)	156.7	152.7	(*)	122.4	116.3	(*)	27
8.2	7.8	(*)	34.8	33.4	(*)	7.8	7.8	(*)	30.6	30.5	(*)	23.2	22.0	(*)	28
6.4	6.2	6.2	32.8	32.6	32.6	6.9	6.9	6.9	32.7	32.5	32.5	34.2	33.5	33.6	29
40.2	41.1	41.1	131.1	128.4	128.7	21.9	21.9	21.9	100.7	101.2	101.7	132.1	128.3	127.0	30
9.4	9.4	9.4	26.1	26.1	26.2	5.2	5.1	5.1	20.6	21.1	21.1	21.1	20.2	20.1	31
8.8	9.6	9.6	24.4	24.1	24.1	3.8	3.6	3.6	15.5	15.7	15.9	18.8	19.0	18.8	32
2.4	2.4	2.4	12.9	12.8	12.9	2.0	2.0	2.0	10.5	10.3	10.3	10.0	9.8	9.9	33
3.5	3.6	3.6	15.1	14.9	15.2	2.8	2.8	2.8	14.1	14.3	14.3	9.7	9.5	9.6	34
91.9	87.1	87.9	423.5	416.9	423.2	94.7	95.7	96.4	369.9	378.2	380.2	327.7	324.3	325.0	35
4.3	4.5	4.5	25.8	24.7	25.3	5.6	5.7	5.7	21.0	21.6	21.9	17.2	16.7	16.8	36
2.7	2.6	2.6	12.7	12.7	12.7	1.7	1.7	1.7	9.9	9.9	10.1	10.9	11.0	11.1	37
5.6	5.9	5.8	19.7	19.2	19.3	2.5	2.5	2.5	15.2	15.6	15.6	10.4	10.2	10.5	38
2.1	2.3	2.4	11.0	10.7	10.8	1.4	1.4	1.4	8.9	9.1	9.2	7.1	7.0	7.1	39
1.3	1.2	1.2	8.2	7.8	7.9	1.0	1.0	1.0	7.8	7.5	7.7	6.0	5.9	5.8	40
2.3	2.0	2.0	11.8	11.7	11.8	1.2	1.1	1.2	10.8	11.5	11.6	7.2	7.6	7.4	41
6.2	6.3	6.3	35.3	35.8	36.2	13.3	13.5	13.7	32.4	33.7	33.4	57.1	54.6	54.9	42
34.1	33.0	33.0	139.2	137.2	137.2	40.1	40.6	40.8	144.5	148.0	147.4	85.2	84.6	84.6	43
2.3	2.4	2.4	12.9	12.6	12.6	2.3	2.2	2.3	11.4	11.3	11.1	8.5	8.5	8.5	44
17.8	17.6	17.4	45.8	47.7	48.5	7.4	7.5	7.5	30.7	30.1	30.5	43.3	42.9	42.8	45
2.9	2.7	2.7	11.0	10.9	11.2	1.8	1.8	1.8	5.7	5.6	5.9	5.5	6.5	6.4	46
4.6	4.2	3.9	6.9	7.2	7.3	1.6	1.6	1.5	5.0	5.2	5.2	9.0	8.9	8.9	47
17.7	16.6	16.9	112.3	104.9	105.3	27.8	28.2	28.1	83.6	83.6	82.6	258.7	245.2	245.7	48
(*)	(*)	(*)	5.3	4.6	4.6	(*)	(*)	(*)	(*)	(*)	(*)	10.6	9.9	9.9	49
(*)	(*)	(*)	5.7	5.4	5.5	(*)	(*)	(*)	(*)	(*)	(*)	13.5	13.6	13.6	50
(*)	(*)	(*)	7.6	6.6	6.7	(*)	(*)	(*)	7.0	6.6	6.5	18.4	17.4	17.4	51
13.8	13.3	13.5	71.1	66.6	66.7	20.8	21.1	20.9	58.7	59.6	58.8	125.6	120.1	120.3	52
2.1	2.1	2.1	7.8	7.7	7.6	1.7	1.6	1.6	6.0	5.9	5.8	13.7	13.2	13.2	53



# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
-	<b>TOTAL PRIVATE</b> .....	\$250.98	\$252.38	\$261.99	\$251.92	\$265.59	\$7.13	\$7.17	\$7.55	\$7.57	\$7.61
-	<b>MINING</b> .....	423.36	424.95	465.16	454.76	455.18	9.71	9.68	10.62	10.65	10.71
10	<b>METAL MINING</b> .....	460.22	454.10	490.37	486.72	-	11.28	11.24	12.29	12.26	-
101	Iron ores .....	485.20	458.62	532.36	537.25	-	12.01	11.82	12.89	13.04	-
102	Copper ores .....	486.13	477.76	496.92	462.15	-	11.63	11.54	12.30	12.13	-
11, 12	<b>COAL MINING</b> .....	440.44	456.55	509.23	494.35	-	11.44	11.50	12.33	12.39	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	445.06	459.69	510.88	494.71	-	11.56	11.55	12.37	12.43	-
13	<b>OIL AND GAS EXTRACTION</b> .....	429.80	429.40	459.19	449.77	-	9.53	9.50	10.07	10.13	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	447.07	449.11	476.42	490.39	-	10.67	10.77	11.62	11.76	-
138	Oil and gas field services .....	424.12	424.10	453.55	436.69	-	9.20	9.14	9.65	9.64	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	349.49	350.78	365.79	358.01	-	8.09	8.12	8.73	8.70	-
142	Crushed and broken stone .....	335.39	339.82	352.70	357.23	-	7.71	7.83	8.26	8.25	-
-	<b>CONSTRUCTION</b> .....	387.39	391.09	419.21	411.72	426.75	10.47	10.57	11.33	11.28	11.38
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	345.48	347.51	376.32	368.10	-	9.57	9.68	10.31	10.34	-
152	Residential building construction .....	318.44	319.82	339.27	338.27	-	8.97	9.06	9.53	9.61	-
153	Operative builders .....	305.28	304.56	309.28	311.09	-	8.41	8.39	8.52	8.57	-
154	Nonresidential building construction .....	372.95	377.78	411.06	397.05	-	10.19	10.35	11.05	11.06	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	394.40	401.20	447.29	441.57	-	9.86	9.98	10.99	10.93	-
161	Highway and street construction .....	361.58	368.85	358.49	376.69	-	8.95	9.13	8.94	9.21	-
162	Heavy construction, except highway .....	406.76	415.04	471.99	463.45	-	10.22	10.35	11.54	11.50	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	403.96	407.21	428.17	418.18	-	11.19	11.28	11.96	11.88	-
171	Plumbing, heating, air conditioning .....	421.50	424.50	444.83	439.30	-	11.24	11.29	11.99	11.97	-
172	Painting, paper hanging, decorating .....	358.44	356.72	375.14	361.88	-	10.30	10.40	10.78	10.90	-
173	Electrical work .....	475.90	482.60	507.82	498.85	-	12.59	12.70	13.47	13.41	-
174	Masonry, stonework, and plastering .....	368.08	375.45	381.82	382.57	-	10.70	10.82	11.33	11.42	-
175	Carpentering and flooring .....	355.00	353.98	357.84	348.74	-	10.26	10.32	10.65	10.60	-
176	Roofing and sheet metal work .....	314.93	314.85	308.75	325.71	-	9.72	9.87	10.09	10.34	-
-	<b>MANUFACTURING</b> .....	312.84	317.59	327.27	325.47	329.55	7.88	7.92	8.37	8.41	8.45
24, 25, 32-39	<b>DURABLE GOODS</b> .....	338.92	343.88	352.84	350.06	355.90	8.41	8.47	8.91	8.93	9.01
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	275.02	279.74	289.93	290.70	292.61	7.07	7.10	7.57	7.65	7.54
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	266.66	274.03	273.73	270.43	278.94	6.82	6.92	7.28	7.25	7.36
241	Logging camps and logging contractors .....	321.65	351.78	368.01	328.20	-	8.85	9.02	9.71	9.71	-
242	Sawmills and planing mills .....	277.41	284.40	283.50	281.62	-	6.97	7.11	7.56	7.53	-
2421	Sawmills and planing mills, general .....	291.34	299.55	298.50	296.63	-	7.32	7.47	7.96	7.91	-
2426	Hardwood dimension and flooring .....	197.01	196.71	200.79	197.78	-	4.95	4.98	5.27	5.26	-
243	Millwork, plywood, and structural members .....	265.20	269.00	267.04	271.32	-	6.80	6.81	7.14	7.14	-
2431	Millwork .....	262.96	270.97	273.67	280.24	-	6.83	6.86	7.24	7.26	-
2434	Wood kitchen cabinets .....	231.36	239.51	245.80	253.72	-	6.27	6.27	6.79	6.73	-
2435	Hardwood veneer and plywood .....	221.54	225.63	216.78	215.42	-	5.43	5.45	5.66	5.76	-
2436	Softwood veneer and plywood .....	334.14	327.06	318.19	317.90	-	8.23	8.28	8.44	8.41	-
244	Wood containers .....	209.06	213.49	213.40	203.72	-	5.43	5.46	5.50	5.56	-
245	Wood buildings and mobile homes .....	239.20	245.97	238.56	246.26	-	6.43	6.49	6.72	6.71	-
2451	Mobile homes .....	240.26	243.05	243.39	249.46	-	6.39	6.43	6.65	6.67	-
249	Miscellaneous wood products .....	234.95	238.50	239.01	243.98	-	5.83	5.86	6.16	6.24	-
25	<b>FURNITURE AND FIXTURES</b> .....	221.18	224.84	233.50	230.76	231.88	5.79	5.84	6.21	6.22	6.25
251	Household furniture .....	205.20	207.81	211.07	208.36	-	5.40	5.44	5.72	5.74	-
2511	Wood household furniture .....	191.73	195.16	194.67	192.39	-	4.98	5.03	5.29	5.30	-
2512	Upholstered household furniture .....	215.28	215.34	220.79	217.97	-	5.85	5.82	6.15	6.21	-
2514	Metal household furniture .....	215.28	221.26	237.21	232.83	-	5.45	5.63	5.96	5.97	-
2515	Mattresses and bedsprings .....	226.04	225.33	224.82	228.06	-	6.06	6.09	6.28	6.30	-
252	Office furniture .....	245.3b	254.00	270.12	258.82	-	6.34	6.35	6.77	6.74	-
253	Public building and related furniture .....	247.26	256.37	280.45	271.49	-	6.34	6.54	7.17	7.07	-
254	Partitions and fixtures .....	265.30	268.33	287.60	284.24	-	7.00	7.08	7.47	7.48	-
259	Miscellaneous furniture and fixtures .....	253.44	256.07	267.72	270.68	-	6.40	6.45	6.90	6.87	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
-	<b>TOTAL PRIVATE</b> .....	35.2	35.2	34.7	34.6	34.9	-	-	-	-	-
-	<b>MINING</b> .....	43.6	43.9	43.8	42.7	42.5	-	-	-	-	-
10	<b>METAL MINING</b> .....	40.8	40.4	39.9	39.7	-	-	-	-	-	-
101	Iron ores .....	40.4	38.8	41.3	41.2	-	-	-	-	-	-
102	Copper ores .....	41.8	41.4	40.4	38.1	-	-	-	-	-	-
11, 12	<b>COAL MINING</b> .....	38.5	39.7	41.3	39.9	-	-	-	-	-	-
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	38.5	39.8	41.3	39.8	-	-	-	-	-	-
13	<b>OIL AND GAS EXTRACTION</b> .....	45.1	45.2	45.6	44.4	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	41.9	41.7	41.0	41.7	-	-	-	-	-	-
138	Oil and gas field services .....	46.1	46.4	47.0	45.3	-	-	-	-	-	-
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	43.2	43.2	41.9	42.3	-	-	-	-	-	-
142	Crushed and broken stone .....	43.5	43.4	42.7	43.3	-	-	-	-	-	-
-	<b>CONSTRUCTION</b> .....	37.0	37.0	37.0	36.5	37.5	-	-	-	-	-
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	36.1	35.9	36.5	35.6	-	-	-	-	-	-
152	Residential building construction .....	35.5	35.3	35.6	35.2	-	-	-	-	-	-
153	Operative builders .....	36.3	36.3	36.3	36.3	-	-	-	-	-	-
154	Nonresidential building construction .....	36.6	36.5	37.2	35.9	-	-	-	-	-	-
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	40.3	40.2	40.7	40.4	-	-	-	-	-	-
161	Highway and street construction .....	40.4	40.4	40.1	40.9	-	-	-	-	-	-
162	Heavy construction, except highway .....	39.8	40.1	40.9	40.3	-	-	-	-	-	-
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	36.1	36.1	35.8	35.2	-	-	-	-	-	-
171	Plumbing, heating, air conditioning .....	37.5	37.6	37.1	36.7	-	-	-	-	-	-
172	Painting, paper hanging, decorating .....	34.8	34.3	34.8	33.2	-	-	-	-	-	-
173	Electrical work .....	37.8	38.0	37.7	37.2	-	-	-	-	-	-
174	Masonry, stonework, and plastering .....	34.4	34.7	33.7	33.5	-	-	-	-	-	-
175	Carpentering and flooring .....	34.6	34.3	33.6	32.9	-	-	-	-	-	-
176	Roofing and sheet metal work .....	32.4	31.9	30.6	31.5	-	-	-	-	-	-
-	<b>MANUFACTURING</b> .....	39.7	40.1	39.1	38.7	39.0	2.6	2.9	2.3	2.1	2.3
24, 25, 32-39	<b>DURABLE GOODS</b> .....	40.3	40.6	39.6	39.2	39.5	2.7	3.0	2.2	2.0	2.2
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	38.9	39.4	38.3	38.0	38.3	2.6	2.9	2.4	2.3	2.4
-	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	39.1	39.6	37.6	37.3	37.9	2.7	2.9	2.0	2.0	-
241	Logging camps and logging contractors .....	37.7	39.0	37.9	33.8	-	3.8	3.7	2.3	1.9	-
242	Sawmills and planing mills .....	39.8	40.0	37.5	37.4	-	3.2	3.3	2.5	2.5	-
2421	Sawmills and planing mills, general .....	39.8	40.1	37.5	37.5	-	3.4	3.5	2.7	2.7	-
2426	Hardwood dimension and flooring .....	39.8	39.5	38.1	37.6	-	2.4	2.5	1.6	1.5	-
243	Millwork, plywood, and structural members .....	39.0	39.5	37.4	38.0	-	2.3	2.4	1.6	1.8	-
2431	Millwork .....	38.5	39.5	37.8	38.6	-	1.6	1.9	1.1	1.4	-
2434	Wood kitchen cabinets .....	36.9	38.2	36.2	37.7	-	1.0	1.3	1.2	1.3	-
2435	Hardwood veneer and plywood .....	40.8	41.4	38.3	37.4	-	3.6	3.9	2.1	2.0	-
2436	Softwood veneer and plywood .....	40.6	39.5	37.7	37.8	-	3.7	3.4	2.3	2.5	-
244	Wood containers .....	38.5	39.1	38.8	37.0	-	2.2	2.6	2.0	1.7	-
245	Wood buildings and mobile homes .....	37.2	37.9	35.5	36.7	-	1.6	1.8	1.1	1.4	-
2451	Mobile homes .....	37.6	37.8	36.6	37.4	-	1.2	1.3	1.2	1.5	-
249	Miscellaneous wood products .....	40.3	40.7	38.8	39.1	-	2.7	2.9	2.1	2.2	-
25	<b>FURNITURE AND FIXTURES</b> .....	38.2	38.5	37.6	37.1	37.1	1.7	1.9	1.4	1.3	-
251	Household furniture .....	38.0	38.2	36.9	36.3	-	1.6	1.9	1.1	1.1	-
2511	Wood household furniture .....	38.5	38.8	36.8	36.3	-	1.7	2.0	1.2	1.2	-
2512	Upholstered household furniture .....	36.8	37.0	35.9	35.1	-	1.1	1.1	.6	.6	-
2514	Metal household furniture .....	39.5	39.3	39.8	39.0	-	2.9	3.3	2.5	1.9	-
2515	Mattresses and bedsprings .....	37.3	37.0	35.8	36.2	-	1.4	1.7	.9	1.0	-
252	Office furniture .....	38.7	40.0	39.9	38.4	-	2.0	2.5	2.1	1.7	-
253	Public building and related furniture .....	39.0	39.2	39.1	38.4	-	1.9	2.4	2.3	1.6	-
254	Partitions and fixtures .....	37.9	37.9	38.5	38.0	-	1.5	1.9	1.8	1.7	-
259	Miscellaneous furniture and fixtures .....	39.6	39.7	38.8	39.4	-	1.5	1.4	1.3	2.0	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$332.51	\$337.02	\$344.27	\$348.80	\$354.31	\$8.11	\$8.20	\$8.65	\$8.72	\$8.77
321	Flat glass	427.84	440.50	493.06	489.05	-	10.59	10.64	11.52	11.48	-
322	Glass and glassware, pressed or blown	357.35	360.39	365.20	370.94	-	8.78	8.79	9.13	9.32	-
3221	Glass containers	385.33	385.54	384.46	394.63	-	9.33	9.29	9.40	9.72	-
3229	Pressed and blown glass, nec	318.40	324.01	337.85	337.46	-	7.98	8.06	8.73	8.72	-
323	Products of purchased glass	289.08	296.40	324.01	319.19	-	7.30	7.41	8.02	7.94	-
324	Cement, hydraulic	476.27	459.41	491.97	500.94	-	11.18	11.26	11.97	12.10	-
325	Structural clay products	265.93	266.34	283.35	285.52	-	6.55	6.56	7.21	7.21	-
326	Pottery and related products	266.06	268.49	276.05	277.29	-	6.77	6.78	7.17	7.24	-
327	Concrete, gypsum, and plaster products	331.55	338.97	333.83	345.51	-	7.97	8.09	8.43	8.51	-
3271	Concrete block and brick	311.75	314.89	301.72	314.36	-	7.25	7.34	7.60	7.63	-
3272	Concrete products, nec	291.33	298.91	313.34	315.70	-	7.02	7.10	7.68	7.70	-
3273	Ready-mixed concrete	357.54	367.69	351.36	370.51	-	8.85	8.99	9.32	9.38	-
329	Misc. nonmetallic mineral products	326.72	334.54	334.96	334.44	-	7.93	8.12	8.48	8.51	-
3291	Abrasive products	314.36	321.36	323.20	316.84	-	7.63	7.80	8.33	8.36	-
3292	Asbestos products	327.98	348.19	328.79	335.53	-	7.98	8.31	8.54	8.67	-
33	<b>PRIMARY METAL INDUSTRIES</b>	443.31	436.81	434.85	435.72	435.41	10.76	10.68	11.15	11.23	11.28
331	Blast furnace and basic steel products	528.36	504.68	502.11	506.88	-	12.55	12.40	13.11	13.20	-
3312	Blast furnaces and steel mills	549.83	520.76	521.81	526.63	-	13.06	12.89	13.66	13.75	-
3317	Steel pipe and tubes	415.66	428.08	401.94	413.11	-	10.04	10.12	10.44	10.73	-
332	Iron and steel foundries	346.21	357.40	354.92	348.56	-	8.90	8.98	9.34	9.37	-
3321	Gray iron foundries	350.74	361.03	358.16	351.13	-	9.11	9.21	9.45	9.49	-
3322	Malleable iron foundries	372.17	373.18	382.50	376.84	-	9.47	9.52	10.31	10.13	-
3325	Steel foundries, nec	335.12	350.66	345.85	339.59	-	8.42	8.47	9.03	9.08	-
333	Primary nonferrous metals	484.22	480.46	512.68	506.00	-	11.64	11.69	12.69	12.65	-
3334	Primary aluminum	511.70	515.42	551.89	542.84	-	12.36	12.48	13.56	13.47	-
335	Nonferrous rolling and drawing	403.54	406.73	404.15	407.03	-	9.54	9.57	9.93	10.05	-
3351	Copper rolling and drawing	357.81	368.93	347.27	350.07	-	8.36	8.54	8.66	8.73	-
3353	Aluminum sheet, plate, and foil	523.15	514.11	538.30	547.04	-	12.11	12.04	12.94	13.15	-
3357	Nonferrous wire drawing and insulating	366.17	371.36	369.95	371.97	-	8.76	8.80	9.18	9.23	-
336	Nonferrous foundries	312.83	323.57	328.60	323.02	-	7.86	7.95	8.34	8.39	-
3361	Aluminum foundries	323.20	332.11	333.72	331.66	-	8.08	8.14	8.47	8.57	-
34	<b>FABRICATED METAL PRODUCTS</b>	323.61	332.11	342.14	338.91	344.27	8.05	8.16	8.64	8.69	8.75
341	Metal cans and shipping containers	459.17	471.73	494.07	494.77	-	10.58	10.77	11.49	11.56	-
3411	Metal cans	476.10	489.92	513.65	517.20	-	10.97	11.16	11.89	12.00	-
342	Cutlery, hand tools, and hardware	302.59	312.82	319.48	316.36	-	7.68	7.84	8.15	8.26	-
3423, 5	Hand and edge tools, and hand saws and blades	295.73	297.60	303.81	297.16	-	7.32	7.44	7.79	7.82	-
3429	Hardware, nec	315.48	328.75	333.13	332.06	-	8.11	8.26	8.52	8.67	-
343	Plumbing and heating, except electric	273.15	280.35	299.14	297.99	-	7.04	7.17	7.69	7.72	-
3432	Plumbing fittings and brass goods	271.55	274.00	304.56	287.93	-	6.84	6.85	7.52	7.44	-
3433	Heating equipment, except electric	261.95	273.56	291.45	301.48	-	6.93	7.18	7.57	7.77	-
344	Fabricated structural metal products	310.04	315.97	334.44	328.49	-	7.79	7.86	8.51	8.51	-
3441	Fabricated structural metal	328.84	335.36	354.08	347.02	-	8.04	8.12	8.83	8.83	-
3442	Metal doors, sash, and trim	247.40	248.96	260.06	253.80	-	6.36	6.40	6.79	6.75	-
3443	Fabricated plate work (boiler shops)	344.61	352.19	377.08	372.09	-	8.53	8.59	9.38	9.42	-
3444	Sheet metal work	308.88	314.82	337.35	331.68	-	7.92	7.97	8.65	8.66	-
3448	Architectural metal work	283.75	290.60	308.11	308.09	-	7.22	7.32	7.86	7.92	-
345	Screw machine products, bolts, etc.	304.27	312.53	317.17	311.92	-	7.55	7.66	8.05	8.06	-
3451	Screw machine products	276.50	284.80	296.16	293.53	-	7.00	7.12	7.46	7.45	-
3452	Bolts, nuts, rivets, and washers	330.03	338.21	337.90	329.08	-	8.03	8.13	8.62	8.66	-
346	Metal forgings and stampings	383.52	395.50	390.84	391.84	-	9.40	9.53	9.82	9.92	-
3462	Iron and steel forgings	398.80	412.68	415.52	413.11	-	9.97	10.09	10.60	10.73	-
3465	Automotive stampings	482.94	496.50	471.83	481.49	-	11.39	11.44	11.65	11.63	-
3469	Metal stampings, nec	279.58	287.68	303.00	295.66	-	7.06	7.21	7.71	7.76	-
347	Metal services, nec	258.73	264.31	267.63	263.50	-	6.42	6.51	6.88	6.88	-
3471	Plating and polishing	250.98	254.63	266.47	260.91	-	6.37	6.43	6.85	6.83	-
3479	Metal coating and allied services	275.87	286.33	270.74	269.12	-	6.53	6.69	6.96	6.99	-
348	Ordnance and accessories, nec	331.29	334.15	359.92	360.45	-	8.10	8.15	8.80	8.90	-
3483	Ammunition, exc. for small arms, nec	290.27	295.07	318.79	323.60	-	7.33	7.47	7.93	8.09	-
349	Misc. fabricated metal products	298.45	308.21	317.88	312.15	-	7.48	7.61	8.13	8.15	-
3494	Valves and pipe fittings	323.97	334.12	340.89	336.78	-	7.96	8.09	8.63	8.68	-
3496	Misc. fabricated wire products	262.94	268.80	272.58	268.05	-	6.59	6.67	7.08	7.11	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	352.92	359.68	370.87	365.76	368.68	8.65	8.73	9.18	9.19	9.24
351	Engines and turbines	424.51	436.56	444.83	431.23	-	10.56	10.70	11.29	11.23	-
3511	Turbines and turbine generator sets	383.04	383.66	428.98	413.82	-	9.60	9.52	10.54	10.45	-
3519	Internal combustion engines, nec	441.69	457.56	451.24	439.64	-	10.96	11.16	11.63	11.60	-
352	Farm and garden machinery	393.26	395.52	379.49	370.00	-	9.71	9.79	9.44	9.32	-
3523	Farm machinery and equipment	411.68	413.31	396.19	390.25	-	10.14	10.18	9.88	9.83	-
353	Construction and related machinery	399.82	397.94	416.94	415.95	-	9.44	9.52	10.17	10.17	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	41.0	41.1	39.8	40.0	40.4	3.8	3.9	3.4	3.5	-
321	Flat glass	40.4	41.4	42.8	42.6	-	3.3	3.7	4.3	3.8	-
322	Glass and glassware, pressed or blown	40.7	41.0	40.0	39.8	-	3.8	3.9	4.0	4.0	-
3221	Glass containers	41.3	41.5	40.9	40.6	-	4.3	4.3	4.9	4.9	-
3229	Pressed and blown glass, nec	39.9	40.2	38.7	38.7	-	3.2	3.4	2.8	2.7	-
323	Products of purchased glass	39.6	40.0	40.4	40.2	-	2.8	3.1	2.9	2.5	-
324	Cement, hydraulic	42.6	40.8	41.1	41.4	-	3.5	3.2	2.2	2.8	-
325	Structural clay products	40.6	40.6	39.3	39.6	-	3.0	3.0	2.3	2.4	-
326	Pottery and related products	39.3	39.6	38.5	38.3	-	2.1	2.0	1.9	1.8	-
327	Concrete, gypsum, and plaster products	41.6	41.9	39.6	40.6	-	5.1	5.3	4.5	4.8	-
3271	Concrete block and brick	43.0	42.9	39.7	41.2	-	5.5	5.2	4.0	4.1	-
3272	Concrete products, nec	41.5	42.1	40.8	41.0	-	4.3	4.6	4.4	4.5	-
3273	Ready-mixed concrete	40.4	40.9	37.7	39.5	-	5.0	5.4	4.5	4.9	-
329	Misc. nonmetallic mineral products	41.2	41.2	39.5	39.3	-	3.3	3.4	2.3	2.4	-
3291	Abrasive products	41.2	41.2	38.8	37.9	-	2.8	3.0	1.6	1.5	-
3292	Asbestos products	41.1	41.9	38.5	38.7	-	2.7	3.1	1.7	1.9	-
33	<b>PRIMARY METAL INDUSTRIES</b>	41.2	40.9	39.0	38.8	38.6	3.2	3.2	2.0	1.9	-
331	Blast furnace and basic steel products	42.1	40.7	38.3	38.4	-	3.2	2.9	1.4	1.4	-
3312	Blast furnaces and steel mills	42.1	40.4	38.2	38.3	-	3.2	2.7	1.4	1.3	-
3317	Steel pipe and tubes	41.4	42.3	38.5	38.5	-	3.8	4.6	1.6	2.3	-
332	Iron and steel foundries	38.9	39.8	38.0	37.2	-	2.5	3.0	2.0	1.8	-
3321	Gray iron foundries	38.5	39.2	37.9	37.0	-	2.6	3.1	2.0	1.9	-
3322	Malleable iron foundries	39.3	39.2	37.1	37.2	-	2.4	2.4	1.9	1.8	-
3325	Steel foundries, nec	39.8	41.4	38.3	37.4	-	2.3	3.0	2.1	1.6	-
333	Primary nonferrous metals	41.6	41.1	40.4	40.0	-	3.5	3.2	2.5	2.7	-
3334	Primary aluminum	41.4	41.3	40.7	40.3	-	3.6	3.5	3.1	3.8	-
335	Nonferrous rolling and drawing	42.3	42.5	40.7	40.5	-	4.5	4.8	2.9	3.0	-
3351	Copper rolling and drawing	42.8	43.2	40.1	40.1	-	4.7	5.5	2.4	2.6	-
3353	Aluminum sheet, plate and foil	42.7	42.7	41.6	41.6	-	5.9	5.9	3.9	4.3	-
3357	Nonferrous wire drawing and insulating	41.8	42.2	40.3	40.3	-	4.4	4.8	2.8	2.8	-
336	Nonferrous foundries	39.8	40.7	39.4	38.5	-	2.3	2.6	2.1	1.7	-
3361	Aluminum foundries	40.0	40.8	39.4	38.7	-	2.7	2.8	2.2	1.9	-
34	<b>FABRICATED METAL PRODUCTS</b>	40.2	40.7	39.6	39.0	39.3	2.5	2.9	2.1	1.9	-
341	Metal cans and shipping containers	43.4	43.8	43.0	42.8	-	4.2	4.5	4.0	3.9	-
3411	Metal cans	43.4	43.9	43.2	43.1	-	4.0	4.3	4.0	3.9	-
342	Cutlery, hand tools, and hardware	39.4	39.9	39.2	38.3	-	2.0	2.6	1.4	1.1	-
3423, 5	Hand and edge tools, and hand saws and blades	40.4	40.0	39.0	38.0	-	2.4	2.5	1.4	1.1	-
3429	Hardware, nec	38.9	39.8	39.1	38.3	-	1.9	2.8	1.3	1.0	-
343	Plumbing and heating, except electric	38.8	39.1	38.9	38.6	-	1.3	1.7	1.6	1.1	-
3432	Plumbing fittings and brass goods	39.7	40.0	40.5	38.7	-	1.7	2.2	2.4	1.1	-
3433	Heating equipment, except electric	37.8	38.1	38.5	38.8	-	.9	1.1	1.1	1.0	-
344	Fabricated structural metal products	39.8	40.2	39.3	38.6	-	2.3	2.5	2.1	1.7	-
3441	Fabricated structural metal	40.9	41.3	40.1	39.3	-	2.8	2.9	2.7	2.1	-
3442	Metal doors, sash, and trim	38.9	38.9	38.3	37.6	-	1.8	2.1	1.7	1.3	-
3443	Fabricated plate work (boiler shops)	40.4	41.0	40.2	39.5	-	2.5	2.9	2.6	2.0	-
3444	Sheet metal work	39.0	39.5	39.0	38.3	-	2.1	2.3	2.0	1.7	-
3446	Architectural metal work	39.3	39.7	39.2	38.9	-	1.5	1.8	1.5	1.6	-
345	Screw machine products, bolts, etc.	40.3	40.8	39.4	38.7	-	2.5	3.1	2.0	1.7	-
3451	Screw machine products	39.5	40.0	39.7	39.4	-	2.4	2.8	2.4	1.9	-
3452	Bolts, nuts, rivets, and washers	41.1	41.6	39.2	38.0	-	2.6	3.3	1.6	1.4	-
346	Metal forgings and stampings	40.8	41.5	39.8	39.5	-	3.3	3.9	2.3	2.3	-
3462	Iron and steel forgings	40.0	40.9	39.2	38.5	-	2.9	3.3	2.0	1.8	-
3465	Automotive stampings	42.4	43.4	40.5	41.4	-	4.6	5.4	2.7	3.3	-
3469	Metal stampings, nec	39.6	39.9	39.3	38.1	-	2.1	2.6	1.9	1.6	-
347	Metal services, nec	40.3	40.6	38.9	38.3	-	2.4	2.8	2.4	2.1	-
3471	Plating and polishing	39.4	39.6	38.9	38.2	-	2.5	2.7	2.5	2.0	-
3479	Metal coating and allied services	42.4	42.8	38.9	38.5	-	2.2	2.9	2.2	2.2	-
348	Ordnance and accessories, nec	40.9	41.0	40.9	40.5	-	2.7	2.7	2.5	2.5	-
3483	Ammunition, exc. for small arms, nec	39.6	39.5	40.2	40.0	-	1.9	1.7	1.7	1.6	-
349	Misc. fabricated metal products	39.9	40.5	39.1	38.3	-	2.3	2.8	1.8	1.5	-
3494	Valves and pipe fittings	40.7	41.3	39.5	38.8	-	2.9	3.5	1.9	1.8	-
3496	Misc. fabricated wire products	39.9	40.3	38.5	37.7	-	2.1	2.5	1.6	1.4	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	40.8	41.2	40.4	39.8	39.9	3.0	3.3	2.5	2.1	-
351	Engines and turbines	40.2	40.8	39.4	38.4	-	2.8	3.4	1.9	1.1	-
3511	Turbines and turbine generator sets	39.9	40.3	40.7	39.6	-	2.9	3.1	3.4	2.5	-
3519	Internal combustion engines, nec	40.3	41.0	38.8	37.9	-	2.7	3.5	1.2	.4	-
352	Farm and garden machinery	40.5	40.4	40.2	39.7	-	3.3	3.4	1.8	1.5	-
3523	Farm machinery and equipment	40.6	40.6	40.1	39.7	-	3.6	3.7	1.6	1.6	-
353	Construction and related machinery	41.4	41.8	41.2	40.9	-	3.1	3.5	3.0	2.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>										
3531	Construction machinery	\$427.73	\$433.61	\$444.18	\$471.42	-	\$10.64	\$10.68	\$11.36	\$11.64	-
3532	Mining machinery	364.98	382.96	409.60	401.37	-	9.24	9.55	10.24	10.11	-
3533	Oil field machinery	405.86	410.87	438.51	415.59	-	8.92	9.03	9.81	9.71	-
3535	Conveyers and conveying equipment	316.42	324.92	337.85	336.54	-	8.24	8.31	8.51	8.52	-
3537	Industrial trucks and tractors	305.52	311.42	329.67	321.15	-	8.04	8.11	8.63	8.61	-
354	Metalworking machinery	363.96	371.65	382.73	378.65	-	8.77	8.87	9.45	9.49	-
3541	Machine tools, metal cutting types	372.54	380.70	387.47	382.78	-	3.87	9.00	9.76	9.74	-
3542	Machine tools, metal forming types	360.08	366.51	380.98	376.62	-	9.07	9.14	9.87	9.99	-
3544	Special dies, tools, jigs, and fixtures	396.44	400.35	414.34	409.18	-	9.35	9.42	9.96	9.98	-
3545	Machine tool accessories	330.01	336.54	337.59	335.92	-	8.01	8.09	8.59	8.68	-
3546	Power driven hand tools	271.81	283.35	318.89	309.26	-	7.06	7.21	7.74	7.79	-
355	Special industry machinery	324.80	333.73	352.55	348.39	-	8.00	8.12	8.77	8.82	-
3551	Food products machinery	338.75	349.25	360.48	361.15	-	8.49	8.56	9.08	9.12	-
3552	Textile machinery	262.35	265.58	267.65	264.98	-	6.51	6.59	6.97	7.01	-
3555	Printing trades machinery	343.53	353.98	369.05	364.98	-	8.22	8.29	9.09	9.24	-
356	General industrial machinery	343.80	355.47	363.77	354.38	-	8.51	8.67	9.14	9.11	-
3561	Pumps and pumping equipment	339.77	354.24	374.12	357.76	-	8.58	8.79	9.40	9.39	-
3562	Ball and roller bearings	354.41	365.06	354.22	352.93	-	8.54	8.61	8.90	8.89	-
3563	Air and gas compressors	381.07	380.87	400.72	381.40	-	9.03	9.09	9.87	9.83	-
3564	Blowers and fans	311.15	317.18	341.38	337.68	-	7.74	7.89	8.45	8.40	-
3566	Speed changers, drives, and gears	383.35	410.01	382.59	351.34	-	9.35	9.67	9.76	9.61	-
3568	Power transmission equipment, nec	336.20	343.21	351.43	334.14	-	8.22	8.29	8.83	8.77	-
357	Office and computing machines	299.88	303.32	322.18	319.46	-	7.35	7.38	7.82	7.83	-
3573	Electronic computing equipment	298.98	300.94	322.82	319.76	-	7.31	7.34	7.76	7.78	-
358	Refrigeration and service machinery	312.83	316.36	332.69	337.39	-	7.86	7.85	8.38	8.52	-
3585	Refrigeration and heating equipment	319.19	326.01	340.16	349.05	-	8.04	8.01	8.59	8.77	-
359	Misc. machinery, except electrical	339.01	345.63	352.80	350.27	-	8.35	8.43	8.82	8.89	-
3592	Carburetors, pistons, rings, valves	391.72	410.85	400.67	416.24	-	9.72	9.90	10.30	10.38	-
3599	Machinery, except electrical, nec	330.89	335.79	346.12	340.73	-	8.13	8.19	8.61	8.67	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	297.31	301.15	316.40	313.17	\$317.54	7.47	7.51	8.01	8.03	\$8.08
361	Electric distributing equipment	292.99	299.09	307.33	298.32	-	7.38	7.44	7.84	7.83	-
3612	Transformers	292.41	296.53	296.45	292.97	-	7.22	7.25	7.70	7.73	-
3613	Switchgear and switchboard apparatus	294.39	300.96	315.62	303.34	-	7.51	7.60	7.95	7.92	-
362	Electrical industrial apparatus	314.20	318.61	317.81	312.91	-	7.72	7.79	8.17	8.17	-
3621	Motors and generators	316.52	318.24	323.95	315.83	-	7.72	7.80	8.16	8.14	-
3622	Industrial controls	293.25	301.68	296.32	293.83	-	7.50	7.58	7.86	7.92	-
363	Household appliances	298.58	294.84	300.93	302.35	-	7.54	7.56	7.94	8.02	-
3632	Household refrigerators and freezers	358.03	336.40	364.17	362.31	-	8.69	8.67	9.29	9.29	-
3633	Household laundry equipment	348.98	343.77	358.15	359.28	-	8.88	8.86	9.50	9.53	-
3634	Electric housewares and fans	229.51	231.46	225.63	224.54	-	5.90	5.95	6.25	6.22	-
364	Electric lighting and wiring equipment	274.62	280.40	293.61	294.49	-	6.97	7.01	7.49	7.59	-
3641	Electric lamps	306.92	312.35	337.60	324.56	-	7.77	7.77	8.44	8.43	-
3643	Current-carrying wiring devices	262.66	267.55	275.97	279.89	-	6.55	6.59	7.04	7.14	-
3644	Noncurrent-carrying wiring devices	294.03	295.08	289.54	293.33	-	7.26	7.25	7.54	7.76	-
3645	Residential lighting fixtures	205.88	216.01	229.58	231.57	-	5.49	5.64	6.01	6.11	-
365	Radio and TV receiving equipment	271.49	276.98	297.55	299.52	-	7.07	7.03	7.61	7.68	-
3651	Radio and TV receiving sets	281.56	286.69	302.63	301.84	-	7.39	7.37	7.82	7.84	-
366	Communication equipment	340.00	344.61	380.66	371.33	-	8.50	8.53	9.33	9.33	-
3661	Telephone and telegraph apparatus	353.50	357.35	383.51	375.09	-	8.75	8.78	9.54	9.52	-
3662	Radio and TV communication equipment	331.10	335.64	379.86	370.12	-	8.34	8.37	9.22	9.23	-
367	Electronic components and accessories	257.51	260.80	276.41	274.01	-	6.47	6.52	6.98	6.99	-
3671-3	Electronic tubes	337.35	332.52	357.54	356.25	-	8.09	8.15	8.85	8.84	-
3674	Semiconductors and related devices	290.47	297.27	315.22	307.31	-	7.28	7.34	7.92	7.90	-
3679	Electronic components, nec	240.19	243.18	261.35	260.43	-	6.05	6.11	6.55	6.56	-
369	Misc. electrical equipment and supplies	340.45	344.25	342.07	344.92	-	8.49	8.50	8.66	8.71	-
3691	Storage batteries	328.20	335.64	339.07	342.65	-	8.33	8.37	8.83	8.90	-
3694	Engine electrical equipment	389.77	388.80	364.00	371.32	-	9.72	9.72	9.43	9.57	-
37	<b>TRANSPORTATION EQUIPMENT</b>	419.02	429.73	439.96	440.64	455.13	10.22	10.33	10.89	10.88	11.02
371	Motor vehicles and equipment	451.00	464.62	455.66	464.39	-	10.92	11.01	11.42	11.41	-
3711	Motor vehicles and car bodies	502.94	521.79	515.11	527.20	-	12.09	12.22	12.91	12.89	-
3713	Truck and bus bodies	341.88	345.60	357.38	362.20	-	8.59	8.64	8.89	9.01	-
3714	Motor vehicle parts and accessories	428.90	440.11	427.87	437.12	-	10.31	10.38	10.67	10.74	-
3715	Truck trailers	274.16	278.60	294.86	302.95	-	7.45	7.39	7.78	7.91	-
372	Aircraft and parts	412.41	421.64	455.26	446.76	-	10.01	10.16	10.97	10.95	-
3721	Aircraft	430.76	437.60	476.51	464.94	-	10.43	10.57	11.51	11.48	-
3724	Aircraft engines and engine parts	405.41	414.10	449.49	444.69	-	10.11	10.25	10.99	10.98	-
3728	Aircraft equipment, nec	384.93	396.76	420.46	414.50	-	9.10	9.27	9.94	9.94	-
373	Ship and boat building and repairing	356.81	359.86	379.60	380.25	-	8.81	8.82	9.49	9.53	-
3731	Shipbuilding and repairing	372.60	373.01	397.20	399.80	-	9.20	9.21	9.97	9.97	-
3732	Boat building and repairing	292.01	307.75	310.04	303.81	-	7.21	7.38	7.79	7.79	-
374	Railroad equipment	411.09	423.44	431.28	424.85	-	10.65	10.72	11.29	11.39	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>										
3531	Construction machinery	40.2	40.6	39.1	40.5	-	1.8	2.0	1.3	1.0	-
3532	Mining machinery	39.5	40.1	40.0	39.7	-	1.6	2.1	2.0	1.7	-
3533	Oil field machinery	45.5	45.5	44.7	42.8	-	5.9	6.4	5.3	3.5	-
3535	Conveyers and conveying equipment	38.4	39.1	39.7	39.5	-	2.3	2.4	1.9	1.6	-
3537	Industrial trucks and tractors	38.0	38.4	38.2	37.3	-	1.6	2.1	1.7	.9	-
354	Metalworking machinery	41.5	41.9	40.5	39.9	-	3.9	4.3	3.1	2.8	-
3541	Machine tools, metal cutting types	42.0	42.3	39.7	39.3	-	4.0	4.8	2.6	2.3	-
3542	Machine tools, metal forming types	39.7	40.1	38.6	37.7	-	2.6	3.0	1.9	1.4	-
3544	Special dies, tools, jigs, and fixtures	42.4	42.5	41.6	41.0	-	4.8	5.2	4.4	4.2	-
3545	Machine tool accessories	41.2	41.6	39.3	38.7	-	3.3	3.6	1.9	1.6	-
3546	Power driven hand tools	38.5	39.3	41.2	39.7	-	1.4	1.9	1.8	1.6	-
355	Special industry machinery	40.6	41.1	40.2	39.5	-	2.5	2.8	2.4	2.1	-
3551	Food products machinery	39.9	40.8	39.7	39.6	-	2.0	2.1	2.4	2.0	-
3552	Textile machinery	40.3	40.3	38.4	37.8	-	1.7	2.1	1.4	.8	-
3555	Printing trades machinery	42.4	42.7	40.6	39.5	-	3.5	3.8	2.8	2.4	-
356	General industrial machinery	40.4	41.0	39.8	38.9	-	2.7	3.2	2.1	1.7	-
3561	Pumps and pumping equipment	39.6	40.3	39.8	38.1	-	2.4	3.1	2.3	1.4	-
3562	Ball and roller bearings	41.5	42.4	39.8	39.7	-	3.4	3.9	2.1	1.9	-
3563	Air and gas compressors	42.2	41.9	40.6	38.8	-	3.6	3.3	2.7	2.1	-
3564	Blowers and fans	40.2	40.2	40.4	40.2	-	2.5	2.9	2.4	2.3	-
3566	Speed changers, drives, and gears	41.0	42.4	39.2	37.6	-	2.5	4.3	1.5	1.0	-
3568	Power transmission equipment, nec	40.9	41.4	39.8	38.1	-	2.9	3.5	1.7	1.1	-
357	Office and computing machines	40.8	41.1	41.2	40.8	-	2.3	2.4	2.6	1.8	-
3573	Electronic computing equipment	40.9	41.0	41.6	41.1	-	2.5	2.5	2.9	2.0	-
358	Refrigeration and service machinery	39.8	40.3	39.7	39.6	-	2.3	2.5	1.6	1.6	-
3585	Refrigeration and heating equipment	39.7	40.7	39.6	39.8	-	2.3	2.4	1.5	1.7	-
359	Misc. machinery, except electrical	40.6	41.0	40.0	39.4	-	3.3	3.7	2.9	2.6	-
3592	Carburetors, pistons, rings, valves	40.3	41.5	38.9	40.1	-	1.8	2.9	1.3	2.3	-
3599	Machinery, except electrical, nec	40.7	41.0	40.2	39.3	-	3.6	3.9	3.1	2.7	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	39.8	40.1	39.5	39.3	39.3	2.0	2.3	1.8	1.5	-
361	Electric distributing equipment	39.7	40.2	39.2	38.1	-	2.2	2.7	1.8	1.4	-
3612	Transformers	40.5	40.9	38.5	37.9	-	2.3	2.7	2.0	1.5	-
3613	Switchgear and switchboard apparatus	39.2	39.6	39.7	38.3	-	2.1	2.7	1.6	1.3	-
362	Electrical industrial apparatus	40.7	40.9	38.9	38.3	-	2.5	2.8	1.6	1.3	-
3621	Motors and generators	41.0	40.8	39.7	38.8	-	2.6	2.8	1.7	1.5	-
3622	Industrial controls	39.1	39.8	37.7	37.1	-	1.8	2.0	1.2	.8	-
363	Household appliances	39.6	39.0	37.9	37.7	-	1.7	1.6	1.0	1.0	-
3632	Household refrigerators and freezers	41.2	38.8	39.2	39.0	-	1.9	1.5	.9	1.1	-
3633	Household laundry equipment	39.3	38.8	37.7	37.7	-	1.1	.7	.6	.6	-
3634	Electric housewares and fans	38.9	38.9	36.1	36.1	-	1.1	1.5	.9	1.0	-
364	Electric lighting and wiring equipment	39.4	40.0	39.2	38.8	-	2.0	2.3	1.6	1.4	-
3641	Electric lamps	39.5	40.2	40.0	38.5	-	1.6	2.0	1.9	1.4	-
3643	Current-carrying wiring devices	40.1	40.6	39.2	39.2	-	2.6	2.9	1.7	1.5	-
3644	Noncurrent-carrying wiring devices	40.5	40.7	38.4	37.8	-	2.7	2.5	1.3	1.0	-
3645	Residential lighting fixtures	37.5	38.3	38.2	37.9	-	.9	1.5	1.3	1.1	-
365	Radio and TV receiving equipment	38.4	39.4	39.1	39.0	-	1.6	1.9	1.0	1.0	-
3651	Radio and TV receiving sets	38.1	38.9	38.7	38.5	-	1.6	1.8	.8	.8	-
366	Communication equipment	40.0	40.4	40.8	39.8	-	1.8	2.1	2.2	1.6	-
3661	Telephone and telegraph apparatus	40.4	40.7	40.2	39.4	-	1.7	2.2	1.7	1.4	-
3662	Radio and TV communication equipment	39.7	40.1	41.2	40.1	-	1.8	2.0	2.5	1.8	-
367	Electronic components and accessories	39.8	40.0	39.6	39.2	-	2.1	2.3	2.1	1.8	-
3671-3	Electronic tubes	41.7	40.8	40.4	40.3	-	2.1	1.8	2.0	1.6	-
3674	Semiconductors and related devices	39.9	40.5	39.8	38.9	-	2.2	2.4	2.2	1.8	-
3678	Electronic components, nec	39.7	39.8	39.9	39.7	-	2.2	2.4	2.2	2.0	-
369	Misc. electrical equipment and supplies	40.1	40.5	39.5	39.6	-	2.2	2.5	1.9	1.8	-
3691	Storage batteries	39.4	40.1	38.4	38.5	-	1.7	1.9	1.2	1.2	-
3694	Engine electrical equipment	40.1	40.0	38.6	38.8	-	2.3	2.4	1.7	1.6	-
37	<b>TRANSPORTATION EQUIPMENT</b>	41.0	41.6	40.4	40.5	41.3	3.2	3.7	2.4	2.4	-
371	Motor vehicles and equipment	41.3	42.2	39.9	40.7	-	3.3	4.1	1.9	2.3	-
3711	Motor vehicles and car bodies	41.6	42.7	39.9	40.9	-	3.5	4.6	1.7	2.0	-
3713	Truck and bus bodies	39.8	40.0	40.2	40.2	-	2.3	2.5	1.3	1.8	-
3714	Motor vehicle parts and accessories	41.6	42.4	40.1	40.7	-	3.4	4.0	2.3	2.7	-
3715	Truck trailers	36.8	37.7	37.9	38.3	-	1.1	1.7	.8	.9	-
372	Aircraft and parts	41.2	41.5	41.5	40.8	-	3.3	3.5	3.1	2.7	-
3721	Aircraft	41.3	41.4	41.4	40.5	-	2.9	3.1	2.7	2.3	-
3724	Aircraft engines and engine parts	40.1	40.4	40.9	40.5	-	3.1	3.4	3.4	3.1	-
3728	Aircraft equipment, nec	42.3	42.8	42.3	41.7	-	4.1	4.4	3.6	3.2	-
373	Ship and boat building and repairing	40.5	40.8	40.0	39.9	-	3.5	3.6	2.2	2.5	-
3731	Ship building and repairing	40.5	40.5	40.0	40.1	-	3.6	3.4	2.2	2.6	-
3732	Boat building and repairing	40.5	41.7	39.8	39.0	-	3.1	4.3	2.3	1.8	-
374	Railroad equipment	38.6	39.5	38.2	37.3	-	2.2	2.1	1.4	1.2	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts .....	\$393.38	\$401.88	\$430.61	\$427.73	-	\$9.81	\$9.85	\$10.58	\$10.64	-
3761	Guided missiles and space vehicles .....	401.00	408.44	441.73	433.13	-	10.05	10.11	10.88	10.91	-
379	Miscellaneous transportation equipment .....	285.02	302.74	354.19	359.45	-	7.09	7.42	8.66	8.62	-
3792	Travel trailers and campers .....	253.37	266.23	294.10	302.15	-	6.48	6.74	7.58	7.63	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	288.88	294.19	320.80	319.16	\$329.25	7.24	7.30	8.00	8.08	\$8.17
381	Engineering and scientific instruments .....	307.80	312.83	336.18	334.09	-	7.60	7.63	8.26	8.29	-
382	Measuring and controlling devices .....	286.22	290.48	318.80	317.88	-	7.12	7.19	7.99	8.13	-
3822	Environmental controls .....	260.84	267.34	291.30	288.02	-	6.74	6.82	7.45	7.52	-
3823	Process control instruments .....	299.59	307.44	331.20	323.60	-	7.15	7.20	8.00	7.99	-
3825	Instruments to measure electricity .....	295.14	296.46	335.81	342.52	-	7.36	7.43	8.48	8.76	-
383	Optical instruments and lenses .....	299.52	301.84	343.16	328.68	-	7.68	7.70	8.19	8.30	-
384	Medical instruments and supplies .....	245.46	252.57	272.16	258.41	-	6.23	6.33	6.89	6.90	-
3841	Surgical and medical instruments .....	244.00	253.53	278.20	275.97	-	6.10	6.26	6.99	7.04	-
3842	Surgical appliances and supplies .....	246.77	251.66	268.03	262.48	-	6.36	6.42	6.82	6.80	-
385	Ophthalmic goods .....	219.38	224.07	238.17	230.83	-	5.54	5.56	5.91	5.98	-
386	Photographic equipment and supplies .....	394.79	398.52	436.13	436.54	-	9.70	9.72	10.56	10.57	-
387	Watches, clocks, and watchcases .....	216.98	224.19	231.57	235.68	-	5.68	5.69	6.11	6.09	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	227.74	230.29	244.58	242.32	243.84	5.90	5.92	6.32	6.36	6.40
391	Jewelry, silverware, and plated ware .....	239.27	239.91	258.10	256.81	-	6.33	6.33	6.81	6.83	-
3911	Jewelry, precious metal .....	234.95	235.59	254.61	252.17	-	6.35	6.35	6.90	6.89	-
393	Musical instruments .....	220.79	221.94	241.25	238.89	-	5.72	5.81	6.17	6.27	-
394	Toys and sporting goods .....	212.08	216.46	235.80	231.17	-	5.48	5.48	6.00	6.02	-
3942, 4	Dolls, games, toys, and children's vehicles .....	202.54	205.11	221.36	217.70	-	5.33	5.30	5.72	5.79	-
3949	Sporting and athletic goods, nec .....	221.03	227.13	246.93	242.81	-	5.61	5.65	6.22	6.21	-
395	Pens, pencils, office and art supplies .....	234.83	239.60	263.81	261.74	-	5.93	6.02	6.53	6.56	-
396	Costume jewelry and notions .....	191.89	197.37	204.91	206.59	-	5.09	5.17	5.35	5.38	-
3961	Costume jewelry .....	175.28	179.73	194.66	197.46	-	4.75	4.78	5.03	5.05	-
399	Miscellaneous manufactures .....	248.45	250.13	255.94	253.50	-	6.42	6.48	6.70	6.76	-
3993	Signs and advertising displays .....	267.84	266.34	282.94	282.70	-	6.85	6.90	7.33	7.42	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	288.12	294.18	303.81	306.52	309.68	7.35	7.41	7.79	7.90	7.88
201	Meat products .....	285.92	293.72	289.17	289.94	-	7.35	7.38	7.57	7.65	-
2011	Meat packing plants .....	366.45	368.40	364.75	365.71	-	8.83	8.92	8.94	9.12	-
2013	Sausages and other prepared meats .....	338.45	349.60	341.51	342.00	-	8.59	8.74	8.94	9.00	-
2016	Poultry dressing plants .....	168.86	183.74	177.91	181.05	-	4.73	4.81	5.04	5.10	-
202	Dairy products .....	300.37	304.71	323.18	328.36	-	7.38	7.45	7.96	7.97	-
2022	Cheese, natural and processed .....	273.61	277.22	292.89	301.20	-	7.07	7.09	7.51	7.53	-
2026	Fluid milk .....	317.12	319.25	338.66	341.55	-	7.66	7.73	8.22	8.23	-
203	Preserved fruits and vegetables .....	245.50	247.15	268.11	260.40	-	6.41	6.47	6.91	7.00	-
2032	Canned specialties .....	269.80	292.74	315.60	304.96	-	7.10	7.14	7.89	7.74	-
2033	Canned fruits and vegetables .....	261.12	263.06	270.51	271.70	-	6.73	6.78	7.10	7.15	-
2037	Frozen fruits and vegetables .....	223.28	220.80	253.59	239.88	-	5.97	6.00	6.42	6.53	-
204	Grain mill products .....	338.62	342.37	367.46	371.55	-	8.14	8.23	8.77	8.91	-
2041	Flour and other grain mill products .....	357.78	359.74	387.20	375.70	-	8.04	8.03	8.78	8.84	-
2048	Prepared feeds, nec .....	276.12	275.64	288.69	299.88	-	6.59	6.61	6.99	7.14	-
205	Bakery products .....	292.99	298.38	307.63	306.00	-	7.63	7.73	8.16	8.16	-
2051	Bread, cake, and related products .....	291.85	297.96	306.61	308.63	-	7.66	7.80	8.22	8.23	-
2052	Cookies and crackers .....	296.32	298.94	310.81	298.08	-	7.54	7.53	7.99	7.97	-
206	Sugar and confectionery products .....	288.22	293.20	294.47	299.15	-	7.26	7.33	7.57	7.77	-
2061, 3	Cane and beet sugar .....	356.90	357.86	339.09	347.32	-	8.60	8.48	8.90	9.14	-
2065	Confectionery products .....	248.45	251.94	258.80	259.62	-	6.42	6.51	6.67	6.85	-
207	Fats and oils .....	324.02	330.42	333.32	336.76	-	7.66	7.72	7.88	7.98	-
208	Beverages .....	350.95	361.42	382.15	390.72	-	8.73	8.88	9.53	9.60	-
2082	Malt beverages .....	497.25	509.41	554.27	572.72	-	11.70	11.93	12.89	12.87	-
2086	Bottled and canned soft drinks .....	256.89	268.54	276.12	279.17	-	6.52	6.68	7.08	7.14	-
209	Misc. foods and kindred products .....	240.00	249.87	253.13	259.88	-	6.40	6.44	6.75	6.93	-
21	<b>TOBACCO MANUFACTURES</b> .....	331.82	350.62	362.56	365.00	363.22	8.92	9.06	9.72	10.00	9.87
211	Cigarettes .....	387.07	407.93	419.63	416.18	-	10.24	10.38	11.22	11.34	-
22	<b>TEXTILE MILL PRODUCTS</b> .....	211.18	217.08	217.15	215.97	218.11	5.36	5.40	5.76	5.79	5.77
221	Weaving mills, cotton .....	219.20	222.75	218.14	225.98	-	5.48	5.50	5.96	6.01	-
222	Weaving mills, synthetics .....	231.80	233.08	222.77	218.88	-	5.64	5.63	6.07	6.08	-
223	Weaving and finishing mills, wool .....	229.19	231.69	247.05	241.40	-	5.59	5.61	6.10	6.05	-
224	Narrow fabric mills .....	197.87	200.07	214.93	207.23	-	4.91	4.94	5.32	5.30	-
225	Knitting mills .....	187.12	194.56	195.81	194.58	-	5.03	5.08	5.35	5.39	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
378	Guided missiles, space vehicles, parts .....	40.1	40.8	40.7	40.2	-	2.9	3.2	2.7	2.5	-
3781	Guided missiles and space vehicles .....	39.9	40.4	40.6	39.7	-	2.6	2.8	2.5	2.3	-
379	Miscellaneous transportation equipment .....	40.2	40.8	40.9	41.7	-	2.2	2.7	2.9	3.1	-
3792	Travel trailers and campers .....	39.1	39.5	38.8	39.6	-	1.9	2.0	1.6	2.1	-
<b>INSTRUMENTS AND RELATED PRODUCTS</b>											
38	Engineering and scientific instruments .....	39.9	40.3	40.1	39.5	40.3	1.9	2.2	1.9	1.6	-
381	Measuring and controlling devices .....	40.5	41.0	40.7	40.3	-	2.3	3.0	2.4	2.2	-
382	Environmental controls .....	40.2	40.4	39.9	39.1	-	1.6	2.0	1.5	1.2	-
3822	Process control instruments .....	38.7	39.2	39.1	38.3	-	1.4	1.5	1.0	1.1	-
3823	Instruments to measure electricity .....	41.9	42.7	41.4	40.5	-	2.4	2.9	2.0	1.5	-
3825	Optical instruments and lenses .....	40.1	39.9	39.6	39.1	-	1.3	1.6	1.3	1.0	-
383	Medical instruments and supplies .....	39.0	39.2	41.9	39.6	-	2.2	2.4	2.7	1.7	-
384	Surgical and medical instruments .....	39.4	39.9	39.5	38.9	-	1.6	2.1	2.1	1.5	-
3841	Surgical appliances and supplies .....	40.0	40.5	39.8	39.2	-	1.7	2.5	2.5	2.0	-
3842	Ophthalmic goods .....	38.8	39.2	39.3	38.6	-	1.7	1.9	1.8	1.2	-
385	Photographic equipment and supplies .....	39.6	40.3	40.3	38.6	-	1.5	1.6	1.6	1.1	-
386	Watches, clocks, and watchcases .....	40.7	41.0	41.3	41.3	-	3.1	2.9	2.5	2.3	-
387	Watches, clocks, and watchcases .....	38.2	39.4	37.9	38.7	-	.8	1.5	1.3	1.2	-
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>											
39	Jewelry, silverware, and plated ware .....	38.6	38.9	38.7	38.1	38.1	1.6	1.9	1.6	1.4	-
391	Jewelry, precious metal .....	37.8	37.9	37.9	37.6	-	1.7	1.7	1.6	1.2	-
3911	Musical instruments .....	37.0	37.1	36.9	36.6	-	1.9	1.7	1.4	1.1	-
393	Toys and sporting goods .....	38.6	38.2	39.1	38.1	-	.9	1.0	.9	.5	-
394	Dolls, games, toys, and children's vehicles .....	38.7	39.5	39.3	38.4	-	1.6	2.1	1.6	1.4	-
3942, 4	Sporting and athletic goods, nec .....	38.0	38.7	38.7	37.6	-	1.5	1.8	1.1	.9	-
3949	Pens, pencils, office and art supplies .....	39.4	40.2	39.7	39.1	-	1.8	2.4	2.1	1.8	-
395	Costume jewelry and notions .....	39.6	39.8	40.4	39.9	-	1.7	1.9	2.0	1.7	-
396	Costume jewelry .....	37.7	38.7	38.3	38.4	-	1.7	2.0	1.7	2.1	-
3961	Miscellaneous manufactures .....	36.9	37.6	38.7	39.1	-	1.1	1.7	2.1	3.0	-
399	Signs and advertising displays .....	38.7	38.6	38.2	37.5	-	1.7	2.0	1.5	1.4	-
3993	Signs and advertising displays .....	39.1	38.6	38.6	38.1	-	2.4	2.4	2.2	2.2	-
<b>NONDURABLE GOODS</b>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products .....	39.2	39.7	39.0	38.8	39.3	3.3	3.6	3.1	3.1	-
201	Meat packing plants .....	38.9	39.8	38.2	37.9	-	3.1	3.7	3.0	2.8	-
2011	Sausages and other prepared meats .....	41.5	41.3	40.8	40.1	-	4.2	4.3	4.0	3.5	-
2013	Poultry dressing plants .....	39.4	40.0	38.2	38.0	-	3.2	3.7	2.6	2.6	-
2018	Dairy products .....	35.7	38.2	35.3	35.5	-	1.9	3.1	2.0	2.1	-
202	Cheese, natural and processed .....	40.7	40.9	40.6	41.2	-	3.8	3.8	3.4	3.8	-
2022	Fluid milk .....	38.7	39.1	39.0	40.0	-	3.4	3.1	2.7	3.3	-
2026	Preserved fruits and vegetables .....	41.4	41.3	41.2	41.5	-	4.0	4.2	3.8	4.0	-
203	Canned specialties .....	38.3	38.2	38.8	37.2	-	2.6	2.7	2.6	2.2	-
2032	Canned fruits and vegetables .....	38.0	41.0	40.0	39.4	-	3.3	4.0	2.8	1.7	-
2033	Frozen fruits and vegetables .....	38.8	38.8	38.1	38.0	-	2.5	2.5	2.4	2.3	-
2037	Grain mill products .....	37.4	36.8	39.5	36.4	-	2.3	2.6	3.1	2.5	-
204	Flour and other grain mill products .....	41.6	41.6	41.9	41.7	-	4.8	4.9	4.7	4.6	-
2041	Prepared feeds, nec .....	44.5	44.8	44.1	42.5	-	5.4	5.3	5.5	5.4	-
2048	Bakery products .....	41.9	41.7	41.3	42.0	-	5.0	5.4	4.3	4.9	-
205	Bread, cake, and related products .....	38.4	38.6	37.7	37.5	-	3.1	3.1	2.7	2.7	-
2051	Cookies and crackers .....	38.1	38.2	37.3	37.5	-	3.3	3.3	2.9	3.0	-
2052	Sugar and confectionery products .....	39.3	39.7	38.9	37.4	-	2.5	2.4	2.2	1.7	-
206	Cane and beet sugar .....	39.7	40.0	38.9	38.5	-	2.6	2.5	2.2	2.0	-
2061-3	Confectionery products .....	41.5	42.2	38.1	38.0	-	3.5	3.1	3.1	2.6	-
2065	Fats and oils .....	38.7	38.7	38.8	37.9	-	2.3	2.2	1.7	1.6	-
207	Beverages .....	42.3	42.8	42.3	42.2	-	4.3	4.6	4.7	4.5	-
206	Melt beverages .....	40.2	40.7	40.1	40.7	-	4.0	4.4	3.7	4.0	-
2082	Bottled and canned soft drinks .....	42.5	42.7	43.0	44.5	-	6.2	6.6	5.8	6.5	-
2086	Misc. foods and kindred products .....	39.4	40.2	39.0	39.1	-	3.5	3.9	3.1	3.1	-
209	Misc. foods and kindred products .....	37.5	38.8	37.5	37.5	-	3.0	3.8	2.7	2.8	-
<b>TOBACCO MANUFACTURES</b>											
21	Cigarettes .....	37.2	38.7	37.3	36.5	36.8	1.1	2.3	.9	1.0	-
211	Cigarettes .....	37.8	39.3	37.4	36.7	-	1.2	2.7	.9	1.0	-
<b>TEXTILE MILL PRODUCTS</b>											
22	Weaving mills, cotton .....	39.4	40.2	37.7	37.3	37.9	2.7	3.3	2.1	2.0	-
221	Weaving mills, synthetics .....	40.0	40.5	36.6	37.6	-	2.8	3.4	2.2	2.3	-
222	Weaving and finishing mills, wool .....	41.1	41.4	36.7	36.0	-	3.5	3.8	2.0	1.5	-
223	Narrow fabric mills .....	41.0	41.3	40.5	39.9	-	3.6	3.8	3.8	2.9	-
224	Knitting mills .....	40.3	40.5	40.4	39.1	-	2.2	2.5	2.0	1.8	-
225	Knitting mills .....	37.2	38.3	36.6	36.1	-	1.7	2.4	1.7	1.6	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	\$172.79	\$177.65	\$187.31	\$176.65	-	\$4.76	\$4.75	\$5.09	\$5.15	-
2252	Hosiery, nec	177.34	184.03	180.03	175.96	-	4.78	4.78	5.10	5.13	-
2253	Knit outerwear mills	180.80	187.50	189.69	193.36	-	4.94	5.00	5.24	5.24	-
2254	Knit underwear mills	171.15	178.00	172.86	166.54	-	4.89	4.89	5.16	5.14	-
2257	Circular knit fabric mills	212.14	224.22	238.39	240.80	-	5.51	5.72	5.93	5.99	-
226	Textile finishing, except wool	230.61	240.09	255.84	251.53	-	5.68	5.73	6.15	6.12	-
2261	Finishing plants, cotton	230.04	239.37	272.00	276.86	-	5.78	5.81	6.14	6.18	-
2262	Finishing plants, synthetics	243.95	253.86	247.81	237.00	-	5.85	5.89	6.42	6.32	-
227	Floor covering mills	214.01	231.74	223.61	219.63	-	5.53	5.68	5.90	5.92	-
228	Yarn and thread mills	196.89	204.02	203.25	199.47	-	5.01	5.05	5.42	5.45	-
2281	Yarn mills, except wool	196.39	203.62	204.33	202.54	-	5.01	5.04	5.42	5.43	-
2282	Throwing and winding mills	189.24	194.89	190.53	188.86	-	4.84	4.86	5.22	5.32	-
229	Miscellaneous textile goods	244.91	247.80	249.25	251.41	-	5.93	6.00	6.31	6.43	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	173.89	178.56	180.77	178.19	\$179.74	4.94	4.96	5.15	5.18	\$5.15
231	Men's and boys' suits and coats	199.80	205.62	211.09	211.40	-	5.66	5.68	5.98	6.04	-
232	Men's and boys' furnishings	162.69	166.99	169.10	168.73	-	4.57	4.55	4.75	4.78	-
2321	Men's and boys' shirts and nightwear	157.09	161.33	166.01	165.43	-	4.45	4.42	4.65	4.66	-
2327	Men's and boys' separate trousers	162.29	170.35	174.97	165.04	-	4.65	4.68	4.82	4.84	-
2328	Men's and boys' work clothing	162.71	167.45	163.22	168.26	-	4.47	4.43	4.65	4.70	-
233	Women's and misses' outerwear	164.66	167.62	171.87	166.08	-	4.93	4.93	5.10	5.11	-
2331	Women's and misses' blouses and waists	154.51	158.10	164.78	162.10	-	4.64	4.65	4.79	4.81	-
2335	Women's and misses' dresses	163.48	164.15	174.68	165.79	-	5.03	5.02	5.23	5.23	-
2337	Women's and misses' suits and coats	177.21	189.66	182.57	176.44	-	5.37	5.45	5.67	5.71	-
2339	Women's and misses' outerwear, nec	165.12	166.25	168.41	164.01	-	4.80	4.75	4.91	4.94	-
234	Women's and children's undergarments	160.20	161.81	163.31	156.84	-	4.50	4.47	4.72	4.71	-
2341	Women's and children's underwear	158.87	160.45	161.59	156.96	-	4.45	4.42	4.63	4.63	-
2342	Brassieres and allied garments	164.97	169.56	169.95	155.65	-	4.70	4.71	5.15	5.12	-
236	Children's outerwear	156.00	164.08	164.95	164.91	-	4.47	4.52	4.74	4.78	-
2361	Children's dresses and blouses	154.35	161.72	160.01	165.30	-	4.50	4.53	4.72	4.75	-
238	Misc. apparel and accessories	174.48	179.33	186.79	184.93	-	4.82	4.86	5.16	5.18	-
239	Misc. fabricated textile products	219.46	226.98	224.10	224.92	-	5.73	5.85	5.96	6.03	-
2391	Curtains and draperies	159.78	165.44	150.48	158.12	-	4.33	4.40	4.63	4.61	-
2392	House furnishing, nec	183.46	183.84	197.76	190.62	-	4.79	4.80	5.15	5.18	-
2396	Automotive and apparel trimmings	392.92	405.98	395.26	423.71	-	9.56	9.83	10.24	10.54	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	354.05	357.85	376.55	381.22	380.56	8.37	8.42	9.03	9.12	9.17
261, 26	Paper and pulp mills	434.11	439.20	461.39	474.71	-	9.69	9.76	10.51	10.62	-
262	Paper mills, except building paper	437.20	441.35	465.62	480.94	-	9.63	9.70	10.44	10.67	-
263	Paperboard mills	441.44	433.87	467.19	475.44	-	10.01	10.02	10.74	10.83	-
264	Misc. converted paper products	297.82	301.38	321.19	320.40	-	7.39	7.46	7.97	8.03	-
2641	Paper coating and glazing	344.86	353.22	381.85	381.10	-	8.27	8.39	9.07	9.25	-
2642	Envelopes	273.60	278.88	296.74	293.14	-	6.84	6.92	7.40	7.44	-
2643	Bags, except textile bags	280.40	284.52	302.35	302.00	-	7.01	7.06	7.54	7.55	-
265	Paperboard containers and boxes	306.36	311.32	319.58	323.20	-	7.40	7.43	7.93	8.00	-
2651	Folding paperboard boxes	312.08	317.52	326.79	327.64	-	7.52	7.56	7.99	8.07	-
2653	Corrugated and solid fiber boxes	319.07	325.08	335.36	339.86	-	7.67	7.74	8.26	8.33	-
2654	Sanitary food containers	294.13	304.29	312.30	315.24	-	6.97	7.06	7.58	7.67	-
27	<b>PRINTING AND PUBLISHING</b>	296.74	301.38	318.69	316.48	317.09	8.02	8.08	8.59	8.60	8.64
271	Newspapers	273.55	275.04	288.86	288.31	-	8.19	8.21	8.78	8.79	-
272	Periodicals	285.67	289.48	330.72	322.98	-	7.70	7.74	8.59	8.59	-
273	Books	275.33	288.25	296.42	290.49	-	7.17	7.41	7.78	7.83	-
2731	Book publishing	268.28	278.74	290.70	278.98	-	7.06	7.24	7.61	7.54	-
2732	Book printing	282.85	299.05	302.48	303.18	-	7.29	7.59	7.96	8.15	-
274	Miscellaneous publishing	243.20	247.76	283.11	301.09	-	6.87	6.94	7.59	7.78	-
275	Commercial printing	320.64	324.24	343.93	338.96	-	8.35	8.40	8.91	8.92	-
2751	Commercial printing, letterpress	296.76	299.82	317.60	320.92	-	7.83	7.89	8.38	8.49	-
2752	Commercial printing, lithographic	329.95	334.46	357.10	346.56	-	8.57	8.62	9.18	9.12	-
276	Manifold business forms	315.62	324.01	333.52	334.77	-	7.95	8.06	8.53	8.54	-
278	Blankbooks and bookbinding	237.88	242.79	252.32	252.22	-	6.26	6.29	6.64	6.62	-
279	Printing trade services	373.23	375.98	402.42	394.42	-	10.06	10.08	10.59	10.49	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	372.32	373.09	395.20	398.45	400.57	8.95	8.99	9.71	9.79	9.77
281	Industrial inorganic chemicals	409.12	415.58	429.60	436.29	-	9.93	9.99	10.74	10.88	-
2819	Industrial inorganic chemicals, nec	408.77	413.83	428.76	434.00	-	9.97	10.02	10.80	10.85	-
282	Plastics materials and synthetics	377.74	376.32	380.95	394.23	-	8.93	8.96	9.50	9.71	-
2821	Plastics materials and resins	423.36	421.74	417.58	420.02	-	9.71	9.74	10.26	10.32	-
2824	Organic fibers, noncellulosic	347.75	351.02	358.29	378.28	-	8.42	8.52	9.04	9.41	-
283	Drugs	330.48	332.11	366.38	365.86	-	8.10	8.16	8.98	8.88	-
2834	Pharmaceutical preparations	313.16	316.37	346.23	344.46	-	7.79	7.87	8.57	8.59	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	36.3	37.4	36.8	34.3	-	1.4	2.1	1.6	1.0	-
2252	Hosiery, nec	37.1	38.5	35.3	34.3	-	1.6	2.3	1.1	1.0	-
2253	Knit outerwear mills	36.6	37.5	36.2	36.9	-	1.6	2.2	1.5	1.8	-
2254	Knit underwear mills	35.0	36.4	33.5	32.4	-	.6	1.2	.3	.0	-
2257	Circular knit fabric mills	38.5	39.2	40.2	40.2	-	2.0	2.6	3.0	3.1	-
226	Textile finishing, except wool	40.6	41.9	41.6	41.1	-	3.3	4.1	3.3	2.6	-
2261	Finishing plants, cotton	39.8	41.2	44.3	44.8	-	3.2	3.7	3.1	3.0	-
2262	Finishing plants, synthetics	41.7	43.1	38.6	37.5	-	3.5	4.6	2.9	2.3	-
227	Floor covering mills	38.7	40.8	37.9	37.1	-	2.8	4.3	1.5	1.6	-
228	Yarn and thread mills	39.3	40.4	37.5	36.6	-	2.6	3.5	2.1	2.1	-
2281	Yarn mills, except wool	39.2	40.4	37.7	37.3	-	2.6	3.6	2.2	2.1	-
2282	Throwing and winding mills	39.1	40.1	36.5	35.5	-	2.8	3.4	1.4	2.0	-
229	Miscellaneous textile goods	41.3	41.3	39.5	39.1	-	3.3	3.7	2.6	2.6	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	35.2	36.0	35.1	34.4	34.9	.8	1.1	1.0	.8	-
231	Men's and boys' suits and coats	35.3	36.2	35.3	35.0	-	.3	.7	.9	.7	-
232	Men's and boys' furnishings	35.6	36.7	35.6	35.3	-	.6	.9	.8	.7	-
2321	Men's and boys' shirts and nighwear	35.3	36.5	35.7	35.5	-	.7	1.0	.9	.7	-
2327	Men's and boys' separate trousers	34.9	36.4	36.3	34.1	-	.6	1.1	.9	.7	-
2328	Men's and boys' work clothing	36.4	37.8	35.1	35.8	-	.5	.9	.6	.7	-
233	Women's and misses' outerwear	33.4	34.0	33.7	32.5	-	.8	1.0	1.0	.8	-
2331	Women's and misses' blouses and waists	33.3	34.0	34.4	33.7	-	.7	1.0	1.1	.8	-
2335	Women's and misses' dresses	32.5	32.7	33.4	31.7	-	.8	.8	.9	.7	-
2337	Women's and misses' suits and coats	33.0	34.8	32.2	30.9	-	.5	.7	.8	.4	-
2339	Women's and misses' outerwear, nec	34.4	35.0	34.3	33.2	-	.9	1.1	1.2	1.0	-
234	Women's and children's undergarments	35.6	36.2	34.6	33.3	-	.9	1.1	.9	.6	-
2341	Women's and children's underwear	35.7	36.3	34.9	33.9	-	.9	1.1	1.0	.6	-
2342	Brasieres and allied garments	35.1	36.0	33.0	30.4	-	1.0	1.3	.5	.6	-
236	Children's outerwear	34.9	36.3	34.8	34.5	-	.5	1.1	.9	.6	-
2361	Children's dresses and blouses	34.3	35.7	33.9	34.8	-	.5	.8	.8	.6	-
238	Misc. apparel and accessories	36.2	36.9	36.2	35.7	-	.9	1.3	1.2	1.1	-
239	Misc. fabricated textile products	38.3	38.8	37.6	37.3	-	1.6	2.0	1.6	1.6	-
2391	Curtains and draperies	36.9	37.6	32.5	34.3	-	.7	1.3	.8	.8	-
2392	House furnishings, nec	38.3	38.3	38.4	36.3	-	1.5	1.8	1.9	1.4	-
2396	Automotive and apparel trimmings	41.1	41.3	38.6	40.2	-	2.3	2.9	1.4	2.8	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	42.3	42.5	41.7	41.8	41.5	4.3	4.4	3.9	4.0	-
261, 2, 6	Paper and pulp mills	44.8	45.0	43.9	44.7	-	6.4	6.4	5.7	6.0	-
262	Paper mills, except building paper	45.4	45.5	44.6	45.5	-	6.6	6.6	5.9	6.3	-
263	Paperboard mills	44.1	43.3	43.5	43.9	-	7.4	7.2	7.1	7.5	-
264	Misc. converted paper products	40.3	40.4	40.3	39.9	-	2.4	2.6	2.3	2.4	-
2641	Paper coating and glazing	41.7	42.1	42.1	41.2	-	2.7	3.0	2.2	2.3	-
2642	Envelopes	40.0	40.3	40.1	39.4	-	1.5	1.8	2.2	2.0	-
2643	Bags, except textile bags	40.0	40.3	40.1	40.0	-	2.4	2.6	2.5	2.4	-
265	Paperboard containers and boxes	41.4	41.9	40.3	40.4	-	3.2	3.5	2.7	2.7	-
2651	Folding paperboard boxes	41.5	42.0	40.9	40.6	-	3.7	4.0	3.0	2.8	-
2653	Corrugated and solid fiber boxes	41.6	42.0	40.6	40.8	-	3.2	3.6	3.1	3.1	-
2654	Sanitary food containers	42.2	43.1	41.2	41.1	-	3.3	3.7	2.7	2.8	-
27	<b>PRINTING AND PUBLISHING</b>	37.0	37.3	37.1	36.8	36.7	2.2	2.3	2.3	2.0	-
271	Newspapers	33.4	33.5	32.9	32.8	-	1.4	1.4	1.2	1.2	-
272	Periodicals	37.1	37.4	38.5	37.6	-	2.2	2.0	2.6	2.1	-
273	Books	38.4	38.9	38.1	37.1	-	2.3	2.7	2.7	1.9	-
2731	Book publishing	38.0	38.5	38.2	37.0	-	2.0	2.3	1.7	1.0	-
2732	Book printing	38.8	39.4	38.0	37.2	-	2.6	3.2	3.7	2.8	-
274	Miscellaneous publishing	35.4	35.7	37.3	38.7	-	1.6	1.0	1.5	1.6	-
275	Commercial printing	38.4	38.6	38.6	38.0	-	2.7	2.9	2.9	2.5	-
2751	Commercial printing, letterpress	37.9	38.0	37.9	37.8	-	2.2	2.2	2.2	2.0	-
2752	Commercial printing, lithographic	38.5	38.8	38.9	38.0	-	2.9	3.1	3.2	2.7	-
276	Manifold business forms	39.7	40.2	39.1	39.2	-	2.1	2.6	2.1	2.2	-
278	Blankbooks and bookbinding	38.0	38.6	38.0	38.1	-	1.3	1.6	1.5	1.2	-
279	Printing trade service	37.1	37.3	38.0	37.6	-	3.0	3.5	3.1	3.0	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	41.6	41.5	40.7	40.7	41.0	3.2	3.2	2.7	2.7	-
281	Industrial inorganic chemicals	41.2	41.6	40.0	40.1	-	3.1	3.3	2.8	3.0	-
2819	Industrial inorganic chemicals, nec	41.0	41.3	39.7	40.0	-	2.7	3.0	2.9	3.1	-
282	Plastics materials and synthetics	42.3	42.0	40.1	40.6	-	3.3	3.4	2.3	2.6	-
2821	Plastics materials and resins	43.6	43.3	40.7	40.7	-	4.7	4.6	2.9	3.0	-
2824	Organic fibers, noncellulosic	41.3	41.2	39.7	40.2	-	2.1	2.4	1.7	2.2	-
283	Drugs	40.8	40.7	40.8	41.2	-	2.7	2.8	2.6	2.5	-
2834	Pharmaceutical preparations	40.2	40.2	40.4	40.1	-	2.6	2.7	2.6	2.4	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods	\$328.82	\$338.20	\$362.30	\$359.50	-	\$8.20	\$8.33	\$8.99	\$9.01	-
2841	Soap and other detergents	450.43	456.67	494.47	490.79	-	10.75	10.72	11.58	11.63	-
2844	Toilet preparations	250.77	262.01	275.22	273.35	-	6.43	6.65	7.13	7.10	-
2842, 3	Polishing, sanitation, and finishing preparations	312.83	321.60	344.80	341.91	-	7.86	8.00	8.62	8.70	-
285	Paints and allied products	324.77	334.08	340.10	340.81	-	7.96	8.05	8.61	8.65	-
286	Industrial organic chemicals	451.54	446.05	479.03	489.30	-	10.55	10.57	11.46	11.65	-
2865	Cyclic crudes and intermediates	409.45	418.97	454.86	475.15	-	9.89	10.12	10.83	11.18	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	465.91	455.60	487.81	493.66	-	10.76	10.72	11.67	11.81	-
287	Agricultural chemicals	375.29	366.37	396.68	387.07	-	8.51	8.56	9.40	9.26	-
289	Miscellaneous chemical products	340.71	341.96	365.81	364.51	-	8.31	8.28	9.01	9.09	-
29	<b>PETROLEUM AND COAL PRODUCTS</b>	500.90	492.68	522.37	532.50	\$528.70	11.41	11.30	12.32	12.50	\$12.44
291	Petroleum refining	544.45	533.05	563.71	575.39	-	12.29	12.17	13.14	13.35	-
296	Paving and roofing materials	357.33	371.80	349.40	362.96	-	8.31	8.45	8.67	8.94	-
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	284.52	290.90	295.77	297.44	300.45	7.06	7.13	7.45	7.53	7.53
301	Tires and inner tubes	445.95	462.16	468.12	469.90	-	10.72	11.03	11.53	11.66	-
302	Rubber and plastics footwear	169.40	177.71	199.56	194.77	-	4.84	4.79	5.13	5.18	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	322.76	328.18	321.60	321.99	-	7.74	7.74	8.02	8.07	-
306	Fabricated rubber products, nec	263.60	270.50	281.16	281.64	-	6.59	6.63	7.10	7.13	-
307	Miscellaneous plastics products	261.39	265.36	269.28	269.89	-	6.47	6.52	6.80	6.85	-
31	<b>LEATHER AND LEATHER PRODUCTS</b>	179.32	185.50	186.54	186.38	187.80	4.94	4.96	5.24	5.31	5.29
311	Leather tanning and finishing	262.91	266.42	270.27	270.07	-	6.54	6.53	7.02	7.07	-
314	Footwear, except rubber	170.65	178.45	176.59	178.34	-	4.78	4.81	5.06	5.11	-
3143	Men's footwear, except athletic	186.74	194.66	189.04	188.51	-	5.02	5.03	5.31	5.31	-
3144	Women's footwear, except athletic	156.83	165.79	165.80	171.02	-	4.64	4.67	4.92	5.03	-
316	Luggage	187.25	193.15	185.76	184.25	-	4.98	4.94	5.40	5.50	-
317	Handbags and personal leather goods	160.06	167.08	179.95	176.14	-	4.56	4.68	4.89	4.92	-
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	374.14	376.10	392.73	394.29	396.47	9.52	9.57	10.07	10.11	10.14
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>1</sup>	454.94	446.04	483.52	-	-	10.58	10.62	11.09	-	-
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	222.11	227.70	234.77	236.72	-	6.63	6.60	7.05	7.13	-
411	Local and suburban transportation	283.08	284.59	298.70	301.78	-	7.24	7.26	7.62	7.64	-
413	Intercity highway transportation	374.49	381.99	377.31	391.36	-	10.95	10.67	11.13	11.41	-
42	<b>TRUCKING AND WAREHOUSING</b>	382.96	392.00	392.70	389.75	-	9.87	10.00	10.20	10.23	-
421, 3	Trucking and trucking terminals	392.11	400.23	401.17	397.76	-	10.08	10.21	10.42	10.44	-
422	Public warehousing	260.99	265.04	268.46	272.60	-	6.85	6.92	7.14	7.25	-
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	491.21	488.46	514.54	524.80	-	11.45	11.63	12.05	12.12	-
48	<b>COMMUNICATION</b>	360.48	359.96	389.86	389.46	-	9.08	9.09	9.92	9.91	-
481	Telephone communication	372.80	373.07	407.25	406.85	-	9.32	9.35	10.31	10.30	-
4817	Switchboard operating employees <sup>2</sup>	269.57	259.76	282.74	292.52	-	7.68	7.64	8.62	8.68	-
4818	Line construction employees <sup>3</sup>	466.12	468.93	505.06	501.54	-	10.84	10.88	11.94	11.97	-
483	Radio and television broadcasting	302.02	300.89	316.30	318.38	-	7.99	7.96	8.48	8.49	-
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	403.10	406.43	434.06	438.66	-	9.69	9.77	10.51	10.57	-
491	Electric services	411.74	418.91	442.44	448.98	-	9.78	9.88	10.61	10.69	-
492	Gas production and distribution	367.28	366.62	390.17	392.09	-	8.98	9.03	9.61	9.61	-
493	Combination utility services	450.02	450.18	492.30	499.98	-	10.87	10.98	11.92	11.99	-
495	Sanitary services	315.70	316.00	333.73	336.18	-	7.70	7.67	8.22	8.26	-
-	<b>WHOLESALE AND RETAIL TRADE</b>	188.43	188.48	194.66	195.91	197.45	5.87	5.89	6.16	6.18	6.19
50, 51	<b>WHOLESALE TRADE</b>	287.21	288.37	303.72	304.07	308.39	7.46	7.49	7.93	7.96	8.01
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	289.06	290.97	305.74	304.94	-	7.45	7.48	7.88	7.90	-
501	Motor vehicles and automotive equipment	264.41	265.87	272.03	273.89	-	6.85	6.87	7.14	7.17	-
502	Furniture and home furnishings	255.72	258.54	269.33	270.46	-	6.93	6.95	7.24	7.29	-
503	Lumber and construction materials	296.81	297.20	299.11	301.78	-	7.63	7.64	7.83	7.90	-
504	Sporting goods, toys, and hobby goods	292.39	293.92	323.29	321.38	-	7.86	7.88	8.53	8.57	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
284	Soap, cleaners, and toilet goods .....	40.1	40.6	40.3	39.9	-	2.3	2.6	2.5	2.1	-
2841	Soap and other detergents .....	41.9	42.6	42.7	42.2	-	3.4	3.6	3.8	3.4	-
2844	Toilet preparations .....	39.0	39.4	38.6	38.5	-	1.6	2.0	1.8	1.4	-
2842, 3	Polishing, sanitation, and finishing preparations .....	39.8	40.2	40.0	39.3	-	1.9	2.2	2.2	1.7	-
285	Paints and allied products .....	40.8	41.5	39.5	39.4	-	2.8	3.5	1.9	1.8	-
286	Industrial organic chemicals .....	42.8	42.2	41.8	42.0	-	3.8	3.6	2.9	3.0	-
2865	Cyclic crudes and intermediates .....	41.4	41.4	42.0	42.5	-	3.8	3.5	2.5	2.7	-
2861, 9	Gum, wood, and industrial organic chemicals, nec .....	43.3	42.5	41.8	41.8	-	3.8	3.6	3.1	3.1	-
287	Agricultural chemicals .....	44.1	42.8	42.2	41.8	-	5.2	4.6	4.4	3.8	-
289	Miscellaneous chemical products .....	41.0	41.3	40.6	40.1	-	2.9	2.9	2.8	2.6	-
	<b>PETROLEUM AND COAL PRODUCTS</b>	43.9	43.6	42.4	42.6	42.5	3.9	4.2	3.2	3.9	-
291	Petroleum refining .....	44.3	43.8	42.9	43.1	-	3.8	4.0	3.3	4.0	-
295	Paving and roofing materials .....	43.0	44.0	40.3	40.6	-	5.3	5.7	3.5	4.1	-
	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	40.3	40.8	39.7	39.5	39.9	2.8	3.2	2.5	2.4	-
301	Tires and inner tubes .....	41.6	41.9	40.6	40.3	-	2.9	2.9	2.3	2.5	-
302	Rubber and plastics footwear .....	35.0	37.1	38.9	37.6	-	1.5	2.3	1.7	1.0	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting .....	41.7	42.4	40.1	39.9	-	2.7	3.1	2.1	2.4	-
306	Fabricated rubber products, nec .....	40.0	40.8	39.6	39.5	-	2.5	3.0	2.2	2.1	-
307	Miscellaneous plastics products .....	40.4	40.7	39.6	39.4	-	3.0	3.3	2.7	2.6	-
	<b>LEATHER AND LEATHER PRODUCTS</b>	36.3	37.4	35.6	35.1	35.5	1.0	1.5	1.2	1.2	-
311	Leather tanning and finishing .....	40.2	40.8	38.5	38.2	-	3.2	3.6	2.7	2.5	-
314	Footwear, except rubber .....	35.7	37.1	34.9	34.9	-	.7	1.2	1.0	1.1	-
3143	Men's footwear, except athletic .....	37.2	38.7	35.6	35.5	-	.8	1.3	.9	.8	-
3144	Women's footwear, except athletic .....	33.8	35.5	33.7	34.0	-	.7	1.3	.9	1.4	-
316	Luggage .....	37.6	39.1	34.4	33.5	-	1.0	1.5	1.0	.8	-
317	Handbags and personal leather goods .....	35.1	35.7	36.8	35.8	-	1.1	1.3	.9	.7	-
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	39.3	39.3	39.0	39.0	39.1	-	-	-	-	-
	<b>RAILROAD TRANSPORTATION:</b>										
4011	Class I railroads <sup>2</sup> .....	43.0	42.0	43.6	-	-	-	-	-	-	-
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	33.5	34.5	33.3	33.2	-	-	-	-	-	-
411	Local and suburban transportation .....	39.1	39.2	39.2	39.5	-	-	-	-	-	-
413	Intercity highway transportation .....	34.2	35.8	33.9	34.3	-	-	-	-	-	-
	<b>TRUCKING AND WAREHOUSING</b>	38.8	39.2	38.5	38.1	-	-	-	-	-	-
421, 3	Trucking and trucking terminals .....	38.9	39.2	38.5	38.1	-	-	-	-	-	-
422	Public warehousing .....	38.1	38.3	37.6	37.6	-	-	-	-	-	-
	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	42.9	42.0	42.7	43.3	-	-	-	-	-	-
	<b>COMMUNICATION</b>	39.7	39.6	39.3	39.3	-	-	-	-	-	-
481	Telephone communication .....	40.0	39.9	39.5	39.5	-	-	-	-	-	-
4817	Switchboard operating employees <sup>3</sup> .....	35.1	34.0	32.8	33.7	-	-	-	-	-	-
4818	Line construction employees <sup>4</sup> .....	43.0	43.1	42.3	41.9	-	-	-	-	-	-
483	Radio and television broadcasting .....	37.8	37.8	37.3	37.5	-	-	-	-	-	-
	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	41.6	41.6	41.3	41.5	-	-	-	-	-	-
491	Electric services .....	42.1	42.4	41.7	42.0	-	-	-	-	-	-
492	Gas production and distribution .....	40.9	40.6	40.6	40.8	-	-	-	-	-	-
493	Combination utility services .....	41.4	41.0	41.3	41.7	-	-	-	-	-	-
495	Sanitary services .....	41.0	41.2	40.6	40.7	-	-	-	-	-	-
	<b>WHOLESALE AND RETAIL TRADE</b>	32.1	32.0	31.6	31.7	31.9	-	-	-	-	-
50, 51	<b>WHOLESALE TRADE</b>	38.5	38.5	38.3	38.2	38.5	-	-	-	-	-
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	38.8	38.9	36.8	38.6	-	-	-	-	-	-
501	Motor vehicles and automotive equipment .....	38.6	38.7	38.1	38.2	-	-	-	-	-	-
502	Furniture and home furnishings .....	36.9	37.2	37.2	37.1	-	-	-	-	-	-
503	Lumber and construction materials .....	38.9	38.9	38.2	38.2	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods .....	37.2	37.3	37.9	37.5	-	-	-	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
506	Metals and minerals, except petroleum .....	\$344.20	\$349.52	\$353.31	\$352.68	-	\$8.67	\$8.76	\$8.99	\$9.02	-
506	Electrical goods .....	304.59	303.81	329.33	329.55	-	7.83	7.81	8.38	8.45	-
507	Hardware, plumbing, and heating equipment .....	266.11	266.11	293.71	284.45	-	6.93	6.93	7.35	7.35	-
508	Machinery, equipment, and supplies .....	300.27	303.00	318.27	318.27	-	7.66	7.71	8.14	8.14	-
509	Miscellaneous durable goods .....	239.32	239.86	244.94	243.94	-	6.20	6.23	6.48	6.54	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> .....	283.11	284.26	301.22	303.49	-	7.47	7.52	7.99	8.05	-
511	Paper and paper products .....	309.32	311.33	327.38	316.97	-	8.36	8.46	8.73	8.59	-
512	Drugs, proprietaries, and sundries .....	291.88	293.23	311.95	317.84	-	7.91	7.99	8.57	8.78	-
513	Apparel, piece goods, and notions .....	248.64	249.75	262.80	253.18	-	6.72	6.75	7.20	7.25	-
514	Groceries and related products .....	284.24	286.48	303.53	305.85	-	7.48	7.48	8.03	8.07	-
516	Chemicals and allied products .....	345.15	342.38	363.48	362.23	-	8.85	8.87	9.32	9.36	-
517	Petroleum and petroleum products .....	358.00	354.88	379.93	383.90	-	8.95	9.03	9.57	9.67	-
518	Beer, wine, and distilled beverages .....	324.12	325.68	337.45	346.02	-	8.76	8.85	9.22	9.48	-
519	Miscellaneous nondurable goods .....	235.62	234.78	246.08	249.45	-	6.12	6.13	6.51	6.53	-
52-59	<b>RETAIL TRADE</b> .....	156.60	156.08	159.64	161.02	\$163.25	5.22	5.22	5.43	5.44	\$5.46
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	206.08	207.16	210.63	211.22	-	5.60	5.66	5.90	5.90	-
521	Lumber and other building materials .....	228.92	228.51	227.90	230.14	-	5.90	5.92	6.11	6.17	-
525	Hardware stores .....	167.15	169.85	176.55	177.79	-	4.96	5.07	5.27	5.26	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	149.43	148.63	152.25	151.72	-	5.10	5.09	5.38	5.38	-
531	Department stores .....	154.18	153.36	157.36	157.08	-	5.28	5.27	5.58	5.59	-
533	Variety stores .....	122.66	121.35	121.41	123.11	-	4.13	4.17	4.29	4.26	-
539	Misc. general merchandise stores .....	127.75	128.59	126.44	128.62	-	4.23	4.23	4.36	4.36	-
54	<b>FOOD STORES</b> .....	213.15	211.67	216.04	218.46	-	6.81	6.85	7.13	7.21	-
541	Grocery stores .....	222.39	221.52	224.35	227.09	-	7.06	7.10	7.38	7.47	-
546	Retail bakeries .....	141.03	138.59	142.35	143.42	-	4.88	4.88	4.96	4.98	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	228.61	227.86	230.89	235.88	-	6.08	6.06	6.19	6.29	-
551, 2	New and used car dealers .....	270.72	268.03	274.74	278.54	-	7.05	6.98	7.23	7.33	-
553	Auto and home supply stores .....	226.64	229.07	230.22	242.61	-	5.61	5.67	5.77	6.02	-
554	Gasoline service stations .....	170.02	172.18	174.59	176.79	-	4.83	4.85	4.96	4.98	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	134.50	130.67	132.68	134.27	-	4.67	4.65	4.79	4.83	-
561	Men's and boys' clothing and furnishings .....	169.28	167.69	165.14	168.95	-	5.29	5.29	5.45	5.45	-
562	Women's ready-to-wear stores .....	117.39	116.04	119.17	118.01	-	4.30	4.33	4.48	4.47	-
565	Family clothing stores .....	128.29	125.05	133.36	134.04	-	4.47	4.45	4.78	4.77	-
566	Shoe stores .....	148.59	137.55	131.71	140.16	-	5.02	4.93	4.86	5.06	-
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	199.28	201.48	210.52	212.78	-	5.81	5.84	6.21	6.24	-
571	Furniture and home furnishings stores .....	200.31	202.76	208.21	209.22	-	5.84	5.86	6.16	6.19	-
572	Household appliance stores .....	214.72	219.48	220.85	220.93	-	6.10	6.20	6.42	6.46	-
573	Radio, television, and music stores .....	187.04	186.48	211.42	217.22	-	5.55	5.55	6.20	6.26	-
58	<b>EATING AND DRINKING PLACES<sup>5</sup></b> .....	101.14	101.79	103.42	105.30	-	3.92	3.93	4.04	4.05	-
59	<b>MISCELLANEOUS RETAIL</b> .....	158.07	159.00	163.94	164.16	-	5.05	5.08	5.34	5.33	-
591	Drug stores and proprietary stores .....	134.10	135.25	142.93	145.21	-	4.64	4.68	4.98	4.99	-
594	Miscellaneous shopping goods stores .....	144.23	145.31	148.60	147.70	-	4.76	4.78	4.97	4.99	-
596	Nonstore retailers .....	194.70	198.32	199.47	198.58	-	5.90	5.92	6.10	6.11	-
598	Fuel and ice dealers .....	256.70	254.22	273.94	273.13	-	6.72	6.69	7.19	7.15	-
599	Retail stores, nec .....	170.84	171.20	172.58	176.46	-	5.01	5.05	5.41	5.38	-
-	<b>FINANCE, INSURANCE, AND REAL ESTATE<sup>6</sup></b> .....	225.42	225.63	239.22	240.01	246.01	6.21	6.25	6.59	6.63	6.74
60	<b>BANKING</b> .....	193.61	194.55	206.23	208.05	-	5.29	5.33	5.65	5.70	-
602	Commercial and stock savings banks .....	190.32	191.63	202.94	205.33	-	5.20	5.25	5.56	5.61	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	202.40	202.03	215.65	216.90	-	5.50	5.52	5.86	5.91	-
612	Savings and loan associations .....	188.40	187.72	198.38	198.72	-	5.19	5.20	5.48	5.52	-
614	Personal credit institutions .....	202.94	200.93	217.19	220.75	-	5.47	5.49	5.87	5.95	-
63	<b>INSURANCE CARRIERS</b> .....	255.82	254.82	279.00	279.37	-	6.84	6.85	7.48	7.51	-
631	Life insurance .....	265.13	264.08	288.33	287.18	-	7.07	7.08	7.73	7.72	-
632	Medical service and health insurance .....	239.91	242.25	264.16	266.21	-	6.33	6.46	6.97	7.08	-
633	Fire, marine, and casualty insurance .....	250.55	248.09	273.43	276.02	-	6.79	6.76	7.39	7.46	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>WHOLESALE TRADE-DURABLE GOODS—Continued</b>										
505	Metals and minerals, except petroleum .....	39.7	39.9	39.3	39.1	-	-	-	-	-	
506	Electrical goods .....	38.9	38.9	39.3	39.0	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment .....	38.4	38.4	38.6	38.7	-	-	-	-	-	
508	Machinery, equipment, and supplies .....	39.2	39.3	39.1	39.1	-	-	-	-	-	
509	Miscellaneous durable goods .....	38.6	38.5	37.8	37.3	-	-	-	-	-	
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	37.9	37.8	37.7	37.7	-	-	-	-	-	
511	Paper and paper products .....	37.0	36.8	37.5	36.9	-	-	-	-	-	
512	Drugs, proprietaries, and sundries .....	36.9	36.7	36.4	36.2	-	-	-	-	-	
513	Apparel, piece goods, and notions .....	37.0	37.0	36.5	36.3	-	-	-	-	-	
514	Groceries and related products .....	38.0	38.3	37.8	37.9	-	-	-	-	-	
516	Chemicals and allied products .....	39.0	38.6	39.0	38.7	-	-	-	-	-	
517	Petroleum and petroleum products .....	40.0	39.3	39.7	39.7	-	-	-	-	-	
518	Beer, wine, and distilled beverages .....	37.0	36.8	35.6	36.5	-	-	-	-	-	
519	Miscellaneous nondurable goods .....	38.5	38.3	37.8	38.2	-	-	-	-	-	
52-59	<b>RETAIL TRADE</b> .....	30.0	29.9	29.4	29.6	29.9	-	-	-	-	
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	36.8	36.6	35.7	35.8	-	-	-	-	-	
521	Lumber and other building materials .....	38.8	38.6	37.3	37.3	-	-	-	-	-	
525	Hardware stores .....	33.7	33.5	33.5	33.8	-	-	-	-	-	
53	<b>GENERAL MERCHANDISE STORES</b> .....	29.3	29.2	28.3	28.2	-	-	-	-	-	
531	Department stores .....	29.2	29.1	28.2	28.1	-	-	-	-	-	
533	Variety stores .....	29.7	29.1	28.3	28.9	-	-	-	-	-	
539	Misc. general merchandise stores .....	30.2	30.4	29.0	29.5	-	-	-	-	-	
54	<b>FOOD STORES</b> .....	31.3	30.9	30.3	30.3	-	-	-	-	-	
541	Grocery stores .....	31.5	31.2	30.4	30.4	-	-	-	-	-	
546	Retail bakeries .....	28.9	28.4	28.7	28.8	-	-	-	-	-	
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	37.6	37.6	37.3	37.5	-	-	-	-	-	
551, 2	New and used car dealers .....	38.4	38.4	38.0	38.0	-	-	-	-	-	
553	Auto and home supply stores .....	40.4	40.4	39.9	40.3	-	-	-	-	-	
554	Gasoline service stations .....	35.2	35.5	35.2	35.5	-	-	-	-	-	
56	<b>APPAREL AND ACCESSORY STORES</b> .....	28.8	28.1	27.7	27.8	-	-	-	-	-	
561	Men's and boys' clothing and furnishings .....	32.0	31.7	30.3	31.0	-	-	-	-	-	
562	Women's ready-to-wear stores .....	27.3	26.8	26.6	26.4	-	-	-	-	-	
565	Family clothing stores .....	28.7	28.1	27.9	28.1	-	-	-	-	-	
566	Shoe stores .....	29.6	27.9	27.1	27.7	-	-	-	-	-	
57	<b>FURNITURE AND HOME FURNISHINGS STORES</b> .....	34.3	34.5	33.9	34.1	-	-	-	-	-	
571	Furniture and home furnishings stores .....	34.3	34.6	33.8	33.8	-	-	-	-	-	
572	Household appliance stores .....	35.2	35.4	34.4	34.2	-	-	-	-	-	
573	Radio, television, and music stores .....	33.7	33.6	34.1	34.7	-	-	-	-	-	
58	<b>EATING AND DRINKING PLACES</b> .....	25.8	25.9	25.6	26.0	-	-	-	-	-	
59	<b>MISCELLANEOUS RETAIL</b> .....	31.3	31.3	30.7	30.8	-	-	-	-	-	
591	Drug stores and proprietary stores .....	28.9	28.9	28.7	29.1	-	-	-	-	-	
594	Miscellaneous shopping goods stores .....	30.3	30.4	29.9	29.6	-	-	-	-	-	
596	Nonstore retailers .....	33.0	33.5	32.7	32.5	-	-	-	-	-	
598	Fuel and ice dealers .....	38.2	38.0	38.1	38.2	-	-	-	-	-	
599	Retail stores, nec .....	34.1	33.9	31.9	32.8	-	-	-	-	-	
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.3	36.1	36.3	36.2	36.5	-	-	-	-	
60	<b>BANKING</b> .....	36.6	36.5	36.5	36.5	-	-	-	-	-	
602	Commercial and stock savings banks .....	36.6	36.5	36.5	36.6	-	-	-	-	-	
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	36.8	36.6	36.8	36.7	-	-	-	-	-	
612	Savings and loan associations .....	36.3	36.1	36.2	36.0	-	-	-	-	-	
614	Personal credit institutions .....	37.1	36.6	37.0	37.1	-	-	-	-	-	
63	<b>INSURANCE CARRIERS</b> .....	37.4	37.2	37.3	37.2	-	-	-	-	-	
631	Life insurance .....	37.5	37.3	37.3	37.2	-	-	-	-	-	
632	Medical service and health insurance .....	37.9	37.5	37.9	37.6	-	-	-	-	-	
633	Fire, marine, and casualty insurance .....	36.9	36.7	37.0	37.0	-	-	-	-	-	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

## C-2. Gross hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>SERVICES</b> .....	\$205.38	\$206.05	\$220.03	\$221.33	\$222.30	\$6.30	\$6.34	\$6.77	\$6.81	\$6.84
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts <sup>2</sup> .....	143.75	148.46	149.99	149.68	-	4.76	4.82	4.95	4.94	
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	162.72	162.24	166.98	167.82	-	4.80	4.80	5.06	5.07	-
723	Beauty shops <sup>3</sup> .....	145.04	140.40	146.78	149.38	-	4.74	4.68	4.75	4.85	-
	<b>BUSINESS SERVICES</b> .....										
73	Advertising .....	209.93	211.89	223.67	224.94	-	6.42	6.46	6.84	6.90	-
731	Services to buildings .....	311.66	311.30	319.15	324.18	-	8.73	8.72	8.89	9.03	-
734	Computer and data processing services .....	147.15	149.60	146.03	148.86	-	5.41	5.46	5.49	5.66	-
737	.....	288.77	293.18	311.81	315.98	-	7.68	7.86	8.45	8.54	-
	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....										
75	Automotive repair shops .....	240.41	240.41	252.08	255.61	-	6.36	6.36	6.74	6.78	-
753	.....	268.13	267.34	280.86	284.26	-	6.84	6.82	7.22	7.27	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	290.69	297.97	305.71	302.10	-	7.57	7.66	7.92	7.95	-
	<b>MOTION PICTURES</b> .....										
78	Motion picture production and services .....	226.23	215.06	250.97	224.77	-	8.41	8.24	9.69	8.78	-
781	.....	449.32	442.60	479.89	451.22	-	12.31	11.74	14.24	13.55	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	181.80	176.32	178.89	191.95	-	6.06	6.08	6.19	6.21	-
	<b>HEALTH SERVICES</b> .....										
80	Offices of physicians .....	202.41	204.05	222.03	224.35	-	6.19	6.24	6.79	6.84	-
801	Offices of dentists .....	209.95	207.69	211.52	212.77	-	6.46	6.45	6.61	6.67	-
802	Nursing and personal care facilities .....	175.46	177.44	186.12	186.30	-	6.20	6.27	6.60	6.56	-
805	Hospitals .....	138.74	138.60	147.73	150.24	-	4.49	4.50	4.75	4.80	-
806	.....	224.08	226.45	249.50	250.86	-	6.61	6.68	7.36	7.40	-
81	<b>LEGAL SERVICES</b> .....	271.17	271.10	290.49	294.10	-	7.86	7.95	8.42	8.50	-
	<b>MISCELLANEOUS SERVICES</b> .....										
89	Engineering and architectural services .....	354.24	349.10	383.96	388.05	-	9.13	9.26	9.82	9.95	-
891	Accounting, auditing, and bookkeeping .....	389.22	387.00	426.21	428.93	-	9.98	10.00	10.79	10.97	-
893	.....	303.60	287.61	322.38	329.25	-	7.59	7.69	8.10	8.17	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> Beginning January 1978, data relate to line haul railroads with operating revenues of \$50,000,000 or more.

<sup>3</sup> Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of non-supervisory employees in establishments reporting hours and earnings data.

<sup>4</sup> Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the

total number of nonsupervisory employees in establishments reporting hours and earnings data.

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	<b>SERVICES</b> .....	32.6	32.5	32.5	32.5	32.5	-	-	-	-	-
701	<b>HOTELS AND OTHER LODGING PLACES:</b>										
	Hotels, motels, and tourist courts <sup>1</sup> .....	30.2	30.8	30.3	30.3	-	-	-	-	-	
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	33.9	33.8	33.0	33.1	-	-	-	-	-	
723	Beauty shops <sup>2</sup> .....	30.6	30.0	30.9	30.8	-	-	-	-	-	
73	<b>BUSINESS SERVICES</b> .....	32.7	32.8	32.7	32.6	-	-	-	-	-	
731	Advertising .....	35.7	35.7	35.9	35.9	-	-	-	-	-	
734	Services to buildings .....	27.2	27.4	26.6	26.3	-	-	-	-	-	
737	Computer and data processing services .....	37.6	37.3	36.9	37.0	-	-	-	-	-	
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	37.6	37.8	37.4	37.7	-	-	-	-	-	
753	Automotive repair shops .....	39.2	39.2	38.9	39.1	-	-	-	-	-	
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	38.4	38.9	38.6	38.0	-	-	-	-	-	
78	<b>MOTION PICTURES</b> .....	26.9	26.1	25.9	25.6	-	-	-	-	-	
781	Motion picture production and services .....	36.5	37.7	33.7	33.3	-	-	-	-	-	
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	30.0	29.0	28.9	29.3	-	-	-	-	-	
80	<b>HEALTH SERVICES</b> .....	32.7	32.7	32.7	32.8	-	-	-	-	-	
801	Offices of physicians .....	32.5	32.2	32.0	31.9	-	-	-	-	-	
802	Offices of dentists .....	28.3	28.3	28.2	28.4	-	-	-	-	-	
805	Nursing and personal care facilities .....	30.9	30.8	31.1	31.3	-	-	-	-	-	
806	Hospitals .....	33.9	33.9	33.9	33.9	-	-	-	-	-	
81	<b>LEGAL SERVICES</b> .....	34.5	34.1	34.5	34.6	-	-	-	-	-	
89	<b>MISCELLANEOUS SERVICES</b> .....	38.8	37.7	39.1	39.0	-	-	-	-	-	
891	Engineering and architectural services .....	39.0	38.7	39.5	39.1	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping .....	40.0	37.4	39.8	40.3	-	-	-	-	-	

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-3. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry**

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>MANUFACTURING</b>	<b>\$7.63</b>	<b>\$7.64</b>	<b>\$8.13</b>	<b>\$8.18</b>	<b>\$8.21</b>
<b>DURABLE GOODS</b>	<b>8.14</b>	<b>8.17</b>	<b>8.68</b>	<b>8.71</b>	<b>8.76</b>
Lumber and wood products	6.59	6.68	7.08	7.06	-
Furniture and fixtures	5.67	5.70	6.10	6.11	-
Stone, clay, and glass products	7.75	7.82	8.30	8.36	-
Primary metal industries	10.35	10.27	10.88	10.96	-
Fabricated metal products	7.80	7.88	8.41	8.49	-
Machinery, except electrical	8.34	8.39	8.90	8.96	-
Electric and electronic equipment	7.29	7.30	7.83	7.87	-
Transportation equipment	9.83	9.88	10.58	10.56	-
Instruments and related products	7.07	7.10	7.82	7.92	-
Miscellaneous manufacturing industries	5.77	5.78	6.19	6.24	-
<b>NONDURABLE GOODS</b>	<b>6.85</b>	<b>6.85</b>	<b>7.34</b>	<b>7.42</b>	<b>7.41</b>
Food and kindred products	7.05	7.09	7.49	7.60	-
Tobacco manufactures	8.79	8.80	9.61	9.87	-
Textile mill products	5.18	5.18	5.60	5.64	-
Apparel and other textile products	4.88	4.88	5.08	5.12	-
Paper and allied products	7.97	8.00	8.62	8.70	-
Printing and publishing	7.79	7.83	8.33	8.37	-
Chemicals and allied products	8.62	8.65	9.40	9.48	-
Petroleum and coal products	10.92	10.78	11.87	11.95	-
Rubber and misc. plastics products	6.82	6.86	7.22	7.30	-
Leather and leather products	4.87	4.86	5.15	5.22	-

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

p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

**C-4. Gross average weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division, in current and constant (1977) dollars**

Industry	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
<b>TOTAL PRIVATE:</b>					
Current dollars	\$250.98	\$252.38	\$261.99	\$261.92	\$265.59
Constant (1977) dollars	170.73	170.18	168.37	167.58	-
<b>MINING:</b>					
Current dollars	423.36	424.95	465.16	454.76	455.18
Constant (1977) dollars	288.00	286.55	298.95	290.95	-
<b>CONSTRUCTION:</b>					
Current dollars	387.39	391.09	419.21	411.72	426.75
Constant (1977) dollars	263.53	263.72	269.42	263.42	-
<b>MANUFACTURING:</b>					
Current dollars	312.84	317.59	327.27	325.47	329.55
Constant (1977) dollars	212.82	214.15	210.33	208.23	-
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>					
Current dollars	374.14	376.10	392.73	394.29	396.47
Constant (1977) dollars	254.52	253.61	252.40	252.26	-
<b>WHOLESALE AND RETAIL TRADE:</b>					
Current dollars	188.43	188.48	194.66	195.91	197.46
Constant (1977) dollars	128.18	127.09	125.10	125.34	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>					
Current dollars	225.42	225.63	239.22	240.01	246.01
Constant (1977) dollars	153.35	152.14	153.74	153.56	-
<b>SERVICES:</b>					
Current dollars	205.38	206.05	220.03	221.33	222.30
Constant (1977) dollars	139.71	138.94	141.41	141.61	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.



**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

**C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group**

(1977=100)

Industry division and group	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	Hours				
<b>TOTAL PRIVATE</b> .....	107.1	107.9	103.7	103.7	105.0
<b>GOODS-PRODUCING</b> .....	100.1	101.9	91.9	90.8	92.5
<b>MINING</b> .....	114.1	116.9	139.6	135.2	133.0
<b>CONSTRUCTION</b> .....	107.6	111.0	91.7	94.2	102.1
<b>MANUFACTURING</b> .....	98.1	99.5	89.7	88.0	88.8
<b>DURABLE GOODS</b> .....	99.4	100.5	89.1	87.0	87.6
Lumber and wood products.....	89.6	93.2	74.1	75.0	77.9
Furniture and fixtures.....	96.9	97.9	89.3	87.2	86.8
Stone, clay, and glass products.....	91.9	93.5	78.2	79.6	81.8
Primary metal industries.....	95.7	94.5	77.3	74.3	72.6
Fabricated metal products.....	97.0	98.4	86.8	84.5	84.7
Machinery, except electrical.....	109.8	110.7	102.6	98.5	97.1
Electric and electronic equipment.....	105.2	106.2	98.8	97.2	98.2
Transportation equipment.....	94.3	95.9	82.3	30.4	83.4
Instruments and related products.....	112.2	113.4	109.0	106.4	107.8
Miscellaneous manufacturing industries.....	89.5	90.8	85.1	83.0	82.5
<b>NONDURABLE GOODS</b> .....	96.1	98.0	90.7	89.5	90.5
Food and kindred products.....	93.1	95.5	91.1	88.9	92.0
Tobacco manufactures.....	85.4	87.6	85.3	79.8	79.3
Textile mill products.....	88.1	90.3	76.6	77.2	76.6
Apparel and other textile products.....	93.1	96.0	87.9	84.8	85.8
Paper and allied products.....	98.6	99.3	93.1	93.2	92.5
Printing and publishing.....	106.1	106.5	107.2	105.7	105.1
Chemicals and allied products.....	101.9	102.2	96.1	95.6	96.7
Petroleum and coal products.....	105.7	107.3	90.9	92.4	95.9
Rubber and misc. plastics products.....	100.3	102.5	92.7	92.6	93.7
Leather and leather products.....	88.5	93.0	78.5	78.0	80.3
<b>SERVICE-PRODUCING</b> .....	111.0	111.3	110.2	110.9	111.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	104.5	104.9	101.8	101.6	102.1
<b>WHOLESALE AND RETAIL TRADE</b> .....	105.0	105.5	103.0	104.0	105.8
<b>WHOLESALE TRADE</b> .....	111.0	111.4	109.4	109.0	110.0
<b>RETAIL TRADE</b> .....	102.7	103.2	103.5	102.1	104.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	116.7	116.8	116.4	116.4	117.6
<b>SERVICES</b> .....	118.9	118.9	120.1	121.0	121.0

<sup>1</sup> For coverage of series, see footnote 1, table B-2.  
p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

# ESTABLISHMENT DATA HOURS AND EARNINGS

**C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group—Continued**

(1977=100)

Industry division and group	Apr. 1981	May 1981	Mar. 1982	Apr. 1982P	May 1982P
	Payrolls				
<b>TOTAL PRIVATE</b> .....	145.5	147.5	149.0	149.6	152.3
<b>GOODS-PRODUCING</b> .....	137.7	141.1	134.9	133.8	137.6
<b>MINING</b> .....	159.5	163.1	213.6	207.4	205.2
<b>CONSTRUCTION</b> .....	139.3	144.7	128.2	131.1	143.4
<b>MANUFACTURING</b> .....	136.1	138.8	132.2	130.3	132.1
<b>DURABLE GOODS</b> .....	137.9	140.4	131.0	128.3	130.2
Lumber and wood products.....	120.0	126.6	105.8	106.8	112.5
Furniture and fixtures.....	129.3	131.7	127.8	124.9	124.8
Stone, clay, and glass products.....	128.4	131.9	116.4	119.5	123.4
Primary metal industries.....	139.1	136.3	116.4	112.8	110.5
Fabricated metal products.....	132.2	135.9	127.0	124.4	125.7
Machinery, except electrical.....	151.7	154.6	150.5	144.7	143.4
Electric and electronic equipment.....	145.9	148.0	146.8	144.7	147.3
Transportation equipment.....	132.3	135.9	122.9	120.0	126.2
Instruments and related products.....	153.4	156.4	164.9	162.5	166.4
Miscellaneous manufacturing industries.....	121.0	123.2	123.3	120.9	121.0
<b>NONDURABLE GOODS</b> .....	133.0	136.1	134.3	133.9	135.4
Food and kindred products.....	127.4	131.8	132.1	130.6	134.8
Tobacco manufactures.....	137.5	143.2	149.6	144.0	141.3
Textile mill products.....	118.4	122.2	110.7	112.1	111.0
Apparel and other textile products.....	126.9	131.4	124.8	121.2	122.0
Paper and allied products.....	138.4	140.2	141.0	142.6	142.3
Printing and publishing.....	138.9	140.5	150.4	148.4	148.3
Chemicals and allied products.....	141.8	142.9	145.2	145.6	146.9
Petroleum and coal products.....	154.2	154.8	143.0	147.4	152.4
Rubber and misc. plastics products.....	137.0	141.2	133.5	134.7	136.4
Leather and leather products.....	121.1	127.8	114.0	114.8	117.9
<b>SERVICE-PRODUCING</b> .....	151.1	152.1	159.0	160.7	162.7
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	142.4	143.5	146.6	147.0	148.1
<b>WHOLESALE AND RETAIL TRADE</b> .....	144.1	145.1	148.4	150.2	153.1
<b>WHOLESALE TRADE</b> .....	153.5	154.8	160.8	160.9	163.3
<b>RETAIL TRADE</b> .....	139.1	139.9	141.7	144.4	147.6
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	159.5	160.7	168.7	169.8	174.6
<b>SERVICES</b> .....	161.1	162.1	174.9	177.2	177.9

**ESTABLISHMENT DATA  
SEASONALLY ADJUSTED HOURS**

**C-6. Average weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls  
by industry division and major manufacturing group, seasonally adjusted**

Industry	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>p</sup>	May <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	35.4	35.2	35.3	35.2	35.0	35.1	35.1	35.0	34.4	35.0	34.9	34.9	35.0
<b>MINING</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>CONSTRUCTION</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>MANUFACTURING</b> .....	40.2	40.1	40.0	39.9	39.4	39.5	39.3	39.1	37.6	39.4	39.0	39.0	39.1
<i>Overtime hours</i> .....	3.1	3.0	3.0	3.0	2.7	2.7	2.5	2.4	2.3	2.4	2.3	2.4	2.4
<b>DURABLE GOODS</b> .....	40.7	40.5	40.5	40.4	39.7	40.0	39.7	39.5	38.2	39.8	39.5	39.5	39.6
<i>Overtime hours</i> .....	3.1	3.0	3.0	3.0	2.7	2.6	2.4	2.3	2.2	2.2	2.2	2.2	2.3
Lumber and wood products .....	39.6	38.9	38.7	38.4	37.6	37.8	37.7	37.7	35.0	37.9	37.6	37.6	37.9
Furniture and fixtures .....	38.8	38.8	38.6	38.4	37.4	38.0	37.6	37.9	33.6	37.7	37.3	37.4	37.4
Stone, clay, and glass products .....	40.9	40.7	40.8	40.7	40.3	40.1	40.1	39.7	38.6	40.1	40.0	40.1	40.2
Primary metal industries .....	41.1	40.9	40.7	40.8	40.6	40.0	39.6	39.2	38.3	39.4	38.8	38.6	38.8
Fabricated metal products .....	40.8	40.6	40.5	40.4	39.6	40.0	39.7	39.5	33.1	39.7	39.5	39.4	39.4
Machinery, except electrical .....	41.4	41.1	41.2	41.1	40.3	40.8	40.7	40.4	39.3	40.7	40.2	40.1	40.0
Electric and electronic equipment .....	40.3	40.2	40.4	40.3	39.7	39.8	39.4	39.5	38.3	39.8	39.4	39.3	39.5
Transportation equipment .....	41.6	41.4	41.2	41.2	40.1	40.6	40.4	39.7	39.0	40.5	40.4	41.1	41.3
Instruments and related products .....	40.4	40.4	40.5	40.6	40.4	40.3	40.2	39.9	39.0	39.9	39.9	39.9	40.4
Miscellaneous manufacturing ind .....	39.1	39.0	39.0	38.9	38.4	38.9	39.0	38.5	37.3	38.6	38.6	38.4	38.3
<b>NONDURABLE GOODS</b> .....	39.4	39.4	39.2	39.2	38.9	38.9	38.7	38.6	36.8	38.9	38.5	38.4	38.4
<i>Overtime hours</i> .....	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.6	2.5	2.6	2.5	2.6	2.5
Food and kindred products .....	39.7	39.7	39.5	39.4	39.3	39.5	39.5	39.8	39.1	40.2	39.5	39.4	39.3
Tobacco manufactures .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	40.2	40.1	40.1	39.8	38.8	39.0	38.7	37.8	32.3	38.3	37.6	37.8	37.8
Apparel and other textile products .....	35.9	35.9	35.8	35.9	35.2	35.5	35.5	35.1	31.4	35.5	35.0	34.7	34.8
Paper and allied products .....	42.8	42.7	42.7	42.5	43.0	42.4	42.0	41.8	41.3	42.3	41.8	42.1	41.8
Printing and publishing .....	37.4	37.4	37.3	37.3	37.1	37.1	37.1	37.1	36.9	37.4	37.1	37.1	36.3
Chemicals and allied products .....	41.6	41.7	41.7	41.7	42.2	41.5	41.2	41.3	41.0	41.2	40.7	40.7	41.2
Petroleum and coal products .....	43.8	43.4	43.1	42.9	43.1	42.2	42.5	42.7	44.3	43.5	43.5	42.6	42.7
Rubber and misc. plastics products .....	41.1	40.9	40.5	40.5	39.7	39.9	39.6	39.4	37.9	40.0	39.6	39.8	40.1
Leather and leather products .....	37.0	37.1	36.4	36.7	36.2	36.7	36.5	36.1	34.1	35.6	35.8	35.5	35.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>WHOLESALE AND RETAIL TRADE</b> .....	32.2	32.1	32.2	32.2	32.1	32.0	32.1	32.0	31.7	32.0	31.9	31.8	32.1
<b>WHOLESALE TRADE</b> .....	38.6	38.5	38.6	38.6	38.5	38.4	38.5	38.4	38.1	38.5	38.4	38.3	38.6
<b>RETAIL TRADE</b> .....	30.2	30.0	30.1	30.1	30.1	29.9	30.0	29.9	29.7	29.9	29.8	29.8	30.1
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>SERVICES</b> .....	32.7	32.5	32.6	32.5	32.5	32.6	32.6	32.6	32.5	32.6	32.6	32.7	32.7

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> This series is not published seasonally adjusted since the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

<sup>p</sup> preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

## C-7. Indexes of aggregate weekly hours of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. P	May P
<b>TOTAL PRIVATE</b> .....	108.5	108.2	108.8	108.5	107.8	107.7	107.3	106.3	104.3	106.2	105.6	105.0	105.5
<b>GOODS-PRODUCING</b> .....	102.3	102.1	102.6	102.0	99.8	99.7	98.4	96.3	91.4	95.6	93.9	92.6	92.9
<b>MINING</b> .....	118.2	131.7	140.4	142.9	142.7	143.9	145.0	145.5	141.6	143.7	142.6	138.2	134.5
<b>CONSTRUCTION</b> .....	110.5	107.6	108.8	107.4	102.4	106.1	106.9	104.2	96.8	102.9	101.1	98.8	101.8
<b>MANUFACTURING</b> .....	100.0	99.6	99.7	99.0	97.3	96.4	94.6	92.5	88.0	91.9	90.3	89.2	89.3
<b>DURABLE GOODS</b> .....	100.8	100.3	100.3	99.6	97.4	96.4	94.0	91.4	87.3	90.6	89.1	87.7	87.9
Lumber and wood products .....	93.6	90.6	89.8	87.3	84.1	81.8	79.2	77.2	70.9	77.5	76.1	77.3	78.0
Furniture and fixtures .....	99.4	99.7	99.7	98.7	95.6	95.9	93.1	92.6	80.9	90.0	88.3	87.8	88.1
Stone, clay, and glass products .....	92.6	92.0	92.0	91.8	90.1	88.2	86.6	83.9	79.3	82.4	81.1	80.4	81.1
Primary metal industries .....	94.6	94.1	93.3	93.4	92.3	88.6	85.4	81.9	78.5	79.7	77.1	73.8	72.6
Fabricated metal products .....	99.2	98.4	98.7	97.8	95.4	94.2	91.6	89.3	85.1	88.1	87.0	85.7	85.4
Machinery, except electrical .....	111.4	111.1	111.7	111.9	109.6	110.4	108.7	106.2	101.6	104.4	101.5	98.4	97.5
Electric and electronic equipment .....	107.1	106.8	107.8	107.6	105.7	104.9	101.5	99.6	97.2	100.4	98.6	98.0	98.9
Transportation equipment .....	94.9	94.7	93.4	91.6	88.2	87.6	85.4	80.7	78.3	81.8	81.7	81.2	82.7
Instruments and related products .....	113.6	113.6	114.6	114.7	114.1	113.0	111.7	110.6	107.3	109.3	108.5	107.4	108.3
Miscellaneous manufacturing ind .....	91.6	91.3	93.7	91.4	90.5	91.1	91.0	89.3	84.8	86.8	86.2	84.0	83.2
<b>NONDURABLE GOODS</b> .....	98.9	98.6	98.6	98.1	97.2	96.5	95.4	94.1	89.0	93.8	92.0	91.5	91.4
Food and kindred products .....	99.5	98.2	98.2	96.7	96.3	97.2	97.3	97.7	95.6	98.9	96.8	95.4	95.8
Tobacco manufactures .....	97.6	97.1	101.7	104.8	98.3	96.1	94.6	92.1	93.6	94.6	93.6	89.4	87.7
Textile mill products .....	90.2	90.1	90.8	89.3	87.0	85.8	83.9	80.7	67.7	79.9	76.5	78.5	76.7
Apparel and other textile products .....	95.2	95.3	95.3	95.3	93.4	93.3	92.7	90.5	79.6	90.0	87.7	85.3	85.2
Paper and allied products .....	100.2	100.0	100.1	99.5	101.6	98.3	96.6	95.2	93.7	95.4	93.9	94.2	93.3
Printing and publishing .....	106.9	106.9	106.8	107.0	106.7	106.8	106.5	106.5	105.8	107.2	106.7	106.2	105.5
Chemicals and allied products .....	101.9	102.3	102.2	102.2	103.2	100.9	99.5	98.9	97.6	97.6	96.4	95.5	96.8
Petroleum and coal products .....	107.7	105.2	104.5	102.5	102.9	100.1	100.0	99.7	98.7	96.1	96.1	93.4	95.9
Rubber and misc. plastics products .....	103.6	103.6	103.3	103.6	100.6	99.0	96.3	94.3	90.0	94.0	92.3	93.5	94.6
Leather and leather products .....	90.9	91.1	91.2	91.0	89.3	90.1	88.3	85.1	79.1	79.5	79.5	79.3	78.4
<b>SERVICE-PRODUCING</b> .....	111.9	111.6	112.1	112.1	112.2	112.1	112.2	111.8	111.4	112.1	112.0	111.9	112.4
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	105.6	105.7	105.8	105.2	105.2	104.2	104.4	103.6	102.8	103.7	103.3	103.2	102.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	106.5	106.1	106.7	106.9	106.8	106.2	106.3	105.4	105.2	106.3	105.9	105.5	106.7
<b>WHOLESALE TRADE</b> .....	112.0	111.7	112.3	112.4	112.0	111.6	111.8	111.0	109.7	110.7	110.2	109.4	110.6
<b>RETAIL TRADE</b> .....	104.3	104.0	104.6	104.8	104.9	104.1	104.3	103.3	103.4	104.6	104.2	103.9	105.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	117.3	117.2	117.6	117.9	117.4	117.6	117.4	117.4	116.9	116.8	117.1	116.8	118.2
<b>SERVICES</b> .....	119.2	118.7	119.4	119.3	119.6	120.4	120.6	120.8	120.3	120.9	121.1	121.4	121.2

<sup>1</sup> For coverage of series, see footnote 1, table B-2.  
p = preliminary.

NOTE: In accordance with usual practice, BLS has revised establishment survey data to reflect a new benchmark and updated seasonal adjustment factors. Because of these revisions, data in this table may differ from data published earlier. See article in this issue for additional information.

## ESTABLISHMENT DATA SEASONALLY ADJUSTED

**C-8. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, seasonally adjusted**

Industry	1981								1982				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. P	May P
<b>Hourly Earnings Index<sup>2</sup> (1977=100)</b>													
TOTAL PRIVATE (in current dollars) . . . . .	137.6	138.4	139.1	140.5	141.4	142.0	143.0	143.5	144.9	145.0	145.4	146.2	147.4
MINING . . . . .	145.8	147.4	149.0	149.5	151.7	151.4	153.4	153.4	156.2	156.0	156.0	156.5	157.6
CONSTRUCTION . . . . .	129.9	130.9	132.2	132.8	133.5	134.7	135.7	136.6	139.9	137.9	138.1	138.3	139.0
MANUFACTURING . . . . .	140.6	141.5	142.4	143.5	144.7	145.4	146.4	146.9	148.9	149.1	149.9	150.7	151.6
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	138.7	139.6	139.0	141.6	141.5	142.3	143.5	144.3	145.5	146.0	146.3	146.3	147.5
WHOLESALE AND RETAIL TRADE . . . . .	137.2	137.6	138.4	139.7	141.0	140.5	141.3	141.7	142.1	142.5	142.8	143.7	144.8
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	136.8	137.1	137.8	140.1	140.4	141.4	142.6	142.0	143.1	143.3	143.8	144.7	147.5
SERVICES . . . . .	135.9	136.7	137.4	139.2	139.7	140.9	142.2	142.6	143.4	143.7	143.9	145.2	146.5
TOTAL PRIVATE (in 1977 dollars) <sup>4</sup> . . . . .	93.0	92.9	92.2	92.5	92.1	92.1	92.3	92.3	92.9	92.8	93.3	93.7	-
<b>Average hourly earnings</b>													
TOTAL PRIVATE . . . . .	\$7.19	\$7.23	\$7.27	\$7.34	\$7.37	\$7.40	\$7.45	\$7.46	\$7.52	\$7.53	\$7.54	\$7.58	\$7.63
MINING . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION . . . . .	10.64	10.73	10.82	10.90	10.95	11.06	11.14	11.22	11.52	11.34	11.39	11.39	11.46
MANUFACTURING . . . . .	7.94	7.99	8.03	8.09	8.14	8.16	8.20	8.20	8.38	8.34	8.37	8.43	8.48
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	9.64	9.70	9.68	9.84	9.86	9.89	9.97	10.02	10.09	10.13	10.15	10.15	10.21
WHOLESALE AND RETAIL TRADE . . . . .	5.89	5.91	5.94	5.98	6.03	6.03	6.06	6.08	6.09	6.10	6.12	6.16	6.19
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES . . . . .	6.34	6.39	6.42	6.51	6.54	6.58	6.63	6.65	6.71	6.72	6.72	6.80	6.84
<b>Average weekly earnings</b>													
TOTAL PRIVATE:													
Current dollars . . . . .	254.53	254.50	256.63	258.37	257.95	259.74	261.50	261.10	258.69	263.55	263.15	264.54	267.05
1977 dollars <sup>4</sup> . . . . .	171.98	170.92	170.18	170.09	168.05	168.44	168.82	167.91	165.93	168.62	168.79	169.47	-

<sup>1</sup> For coverage of series, see footnote 1, table B-2.

<sup>2</sup> The index excludes effects of two types of changes that are unrelated to underlying wage-rate developments: Fluctuations in overtime premiums in manufacturing (the only sector for which overtime data are available) and the effects of changes in the proportion of workers in high-wage and low-wage industries.

<sup>3</sup> The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

<sup>4</sup> The deflator for these series is derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

<sup>5</sup> See footnote 2, table C-8.  
p=preliminary.

NOTE: See note on table C-7.

**C-9. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments by industry division**

Industry division	Millions of hours (Annual rate) <sup>2</sup>			Percent change		
	March R1982	April R1982	May P1982	May 1981 to May 1982	Mar. 1982 to Apr. 1982	Apr. 1982 to May 1982
TOTAL . . . . .	168,578	167,404	167,727	-1.7	-0.7	0.2
PRIVATE SECTOR . . . . .	137,168	136,020	136,404	-2.0	-0.8	0.3
MINING . . . . .	2,780	2,662	2,564	13.5	-4.2	-3.7
CONSTRUCTION . . . . .	7,673	7,368	7,528	-6.5	-4.0	2.2
MANUFACTURING . . . . .	39,549	38,983	39,011	-7.7	-1.4	0.1
DURABLE GOODS . . . . .	23,834	23,398	23,412	-9.0	-1.8	0.1
NONDURABLE GOODS . . . . .	15,715	15,585	15,599	-5.6	-0.8	0.1
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10,417	10,394	10,324	-2.3	-0.2	-0.7
WHOLESALE AND RETAIL TRADE . . . . .	34,408	34,327	34,586	0.3	-0.2	0.8
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	10,082	10,038	10,154	1.5	-0.4	1.2
SERVICES . . . . .	32,259	32,248	32,238	2.2	0.0	0.0
GOVERNMENT . . . . .	31,410	31,383	31,322	-0.6	-0.1	-0.2

<sup>1</sup> 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 for Surveys and Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

<sup>2</sup> "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

NOTE: See note on table C-7.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-10. Indexes of output and compensation per hour, unit costs, and prices,  
private business sector, seasonally adjusted**

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1979		1980				1981				1982
	1980	1981	III	IV	I	II	III	IV	I	II	III	IV	I
<b>PRIVATE BUSINESS SECTOR:</b>													
Output per hour of all persons	99.3	100.4	99.4	99.1	99.5	99.1	99.4	99.1	100.3	101.2	100.9	99.2	98.9
Output	106.8	109.0	107.7	108.2	108.7	105.4	105.7	107.5	109.5	109.5	109.4	107.5	r106.4
Hours	107.5	108.5	108.4	109.1	109.2	106.4	106.3	108.4	109.2	108.2	108.4	108.4	r107.6
Compensation per hour	131.5	144.6	120.7	123.2	126.4	130.1	133.1	135.9	139.8	143.3	146.5	148.5	r151.2
Real compensation per hour	96.7	r96.3	99.2	98.0	96.7	96.6	96.9	96.0	96.1	96.9	96.3	95.8	r96.8
Unit labor costs	132.4	144.0	121.4	124.3	127.0	131.3	133.9	137.1	139.4	141.6	145.2	149.7	r152.8
Unit nonlabor payments	118.3	130.6	111.5	112.2	115.2	116.0	119.7	122.7	127.6	129.3	132.4	132.6	r129.2
Implicit price deflator	127.6	139.4	118.1	120.2	123.0	126.1	129.1	132.2	135.4	137.5	140.9	143.9	144.9
<b>NONFARM BUSINESS SECTOR:</b>													
Output per hour of all persons	98.8	99.7	98.9	98.8	98.9	98.2	99.0	99.0	100.0	100.4	99.9	98.2	98.3
Output	106.8	108.8	107.8	108.2	108.5	105.1	105.8	107.7	109.7	109.4	109.0	106.9	r106.2
Hours	108.1	109.1	109.0	109.4	109.7	107.0	106.9	108.8	109.7	109.0	109.1	108.9	108.0
Compensation per hour	130.8	143.9	120.2	123.0	126.0	129.4	132.3	135.4	139.2	142.4	145.7	147.9	r150.8
Real compensation per hour	96.2	95.9	98.8	97.8	96.4	96.0	96.3	95.7	95.7	96.3	95.8	95.4	r96.5
Unit labor costs	132.4	144.3	121.5	124.4	127.4	131.8	133.6	136.8	139.1	141.9	145.8	150.7	r153.3
Unit nonlabor payments	117.6	130.4	109.2	110.1	113.9	115.1	119.2	122.0	128.7	128.7	132.2	132.8	r129.7
Implicit price deflator	127.4	139.7	117.4	119.7	122.9	126.3	128.8	131.9	135.3	137.5	141.2	144.7	r145.4
<b>MANUFACTURING:</b>													
Output per hour of all persons	101.7	r104.0	102.0	102.1	102.1	100.8	100.7	103.1	r103.9	r104.8	105.0	102.0	r100.7
Output	103.6	r105.8	108.5	108.3	108.1	101.7	99.9	104.9	r106.7	r107.4	r107.3	101.9	r98.1
Hours	101.9	101.7	106.4	106.0	105.8	100.9	99.2	101.8	102.7	102.5	102.2	99.9	r97.4
Compensation per hour	131.6	146.2	119.8	122.3	125.4	130.0	133.9	137.3	141.1	144.8	148.0	150.8	154.7
Real compensation per hour	96.8	97.4	98.5	97.2	96.0	96.5	97.5	97.0	97.1	97.9	97.3	97.3	99.0
Unit labor costs	129.4	r140.6	117.5	119.8	122.8	129.0	133.0	133.2	r135.8	r138.2	141.0	147.8	r153.5
<b>DURABLE GOODS</b>													
Output per hour of all persons	99.7	r102.3	100.1	100.4	100.0	99.0	98.4	101.0	r102.1	r103.3	r103.3	100.1	r98.2
Output	102.9	r105.1	109.5	109.1	108.5	100.8	98.0	104.1	r106.0	r107.2	106.7	100.6	r95.8
Hours	103.2	102.8	109.3	108.7	108.4	101.8	99.7	103.0	103.9	103.7	103.3	100.4	r97.6
Compensation per hour	131.7	146.9	119.3	121.5	125.2	130.0	134.2	137.8	141.7	145.3	148.7	151.5	r155.3
Real compensation per hour	96.9	97.9	98.1	96.6	95.8	96.5	97.7	97.4	97.4	98.3	97.7	97.7	r99.4
Unit labor costs	132.1	143.6	119.2	121.1	125.1	131.3	136.4	136.4	r138.8	r140.7	r143.9	151.3	158.2
<b>NONDURABLE GOODS</b>													
Output per hour of all persons	104.9	r106.6	105.0	104.9	105.4	103.5	104.3	106.3	r106.7	r107.1	r107.7	104.8	r104.5
Output	104.8	r106.8	107.0	107.0	107.4	102.9	102.6	106.2	r107.6	107.7	r108.2	103.8	r101.5
Hours	99.9	100.2	101.9	102.0	102.0	99.5	98.4	99.9	100.9	100.6	100.5	99.1	r97.1
Compensation per hour	130.9	144.7	119.9	122.9	125.0	129.6	133.3	136.0	139.7	143.3	146.4	149.2	r153.4
Real compensation per hour	96.3	96.4	98.5	97.7	95.7	96.2	97.1	96.1	96.1	96.9	96.2	96.3	r98.2
Unit labor costs	124.8	r135.7	114.2	117.2	118.7	125.3	127.8	127.9	r130.9	r133.8	136.0	142.4	r146.8
<b>NONFINANCIAL CORPORATIONS:</b>													
Output per all-employee hour	101.0	103.5	100.5	99.9	100.2	100.1	101.8	101.8	103.4	104.0	103.8	102.4	p102.3
Output	108.5	112.3	109.4	109.3	109.9	106.8	107.7	109.7	112.8	112.8	112.8	110.5	p109.2
Hours	107.5	108.5	108.9	109.4	109.6	106.7	105.8	107.8	109.1	108.5	108.6	108.0	p106.8
Compensation per hour	130.7	143.9	120.1	122.7	125.7	129.3	132.5	135.5	139.3	142.4	145.5	148.0	p151.1
Real compensation per hour	96.2	95.9	98.7	97.5	96.2	95.9	96.5	95.7	95.8	96.3	95.7	95.5	p 96.7
Total unit costs	129.7	140.9	118.2	121.3	124.2	129.2	131.1	134.1	136.0	138.7	142.2	147.0	p150.0
Unit labor costs	129.4	139.0	119.5	122.8	125.4	129.1	130.2	133.1	134.7	137.0	140.2	144.6	p147.7
Unit nonlabor costs	130.2	146.1	114.6	117.2	120.9	129.3	133.8	136.9	139.5	143.6	147.7	153.8	p156.3
Unit profits	90.2	103.6	97.5	92.2	95.5	83.4	89.1	92.4	106.8	102.8	106.7	96.6	p 80.7
Implicit price deflator	125.2	136.7	115.9	118.1	121.0	124.1	126.4	129.5	132.7	134.7	138.2	141.4	p142.2

p=preliminary.  
r=revised.

**PRODUCTIVITY  
SEASONALLY ADJUSTED**

**C-11. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate**

Item	Quarterly percent change						Annual percent change					
	1980 II	1980 IV	1981 I	1981 II	1981 III	1981 IV	1979 IV	1980 I	1980 II	1980 III	1980 IV	1981 I
	to 1980 IV	to 1981 I	to 1981 II	to 1981 III	to 1981 IV	to 1982 I	to 1980 IV	to 1981 I	to 1981 II	to 1981 III	to 1981 IV	to 1982 I
<b>PRIVATE BUSINESS SECTOR:</b>												
Output per hour of all persons	-1.1	4.7	3.5	-1.1	-6.6	r-0.9	0.0	0.8	2.1	1.5	0.0	-1.4
Output	6.9	7.9	-0.1	-0.3	-6.8	r-3.9	-0.7	0.8	3.9	3.5	0.0	r-2.8
Hours	8.1	3.0	-3.5	0.8	-0.2	r-3.0	-0.7	0.0	1.7	2.0	0.0	r-1.5
Compensation per hour	8.6	11.9	10.4	9.3	5.5	r7.6	10.3	10.6	10.1	10.1	9.3	r8.2
Real compensation per hour	-3.8	0.5	3.2	-2.3	-2.1	r4.2	-2.0	-0.6	0.3	-0.6	-0.2	r0.7
Unit labor costs	9.8	6.9	6.6	10.6	13.0	r8.6	10.3	9.7	7.8	8.5	9.3	r9.7
Unit nonlabor payments	10.2	17.1	5.3	10.1	0.4	r- 9.7	9.3	10.8	11.5	10.6	8.1	r1.3
Implicit price deflator	9.9	10.0	6.2	10.4	8.9	r2.6	10.0	10.1	9.0	9.1	8.9	7.0
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons	-0.2	4.4	1.4	-1.7	-6.9	r0.5	0.2	1.2	2.3	0.9	-0.8	r-1.7
Output	7.1	7.9	-1.1	-1.4	-7.7	r-2.5	-0.5	1.1	4.1	3.0	-0.7	r-3.2
Hours	7.3	3.4	-2.5	0.4	-0.9	r-3.0	-0.6	-0.1	1.8	2.1	0.1	r-1.5
Compensation per hour	9.8	11.7	9.6	9.5	6.3	r7.9	10.1	10.5	10.0	10.2	9.3	r8.3
Real compensation per hour	-2.7	0.3	2.5	-2.2	-1.4	r4.5	-2.2	-0.7	0.3	-0.6	-0.2	r0.8
Unit labor costs	10.1	7.0	8.1	11.5	14.1	r7.3	9.9	9.2	7.6	9.2	10.1	r10.2
Unit nonlabor payments	9.9	20.2	3.0	11.3	1.8	r- 9.0	10.8	12.2	11.8	10.9	8.8	r1.5
Implicit price deflator	10.0	11.0	6.5	11.4	10.1	r2.1	10.2	10.1	8.9	9.7	9.7	7.5
<b>MANUFACTURING:</b>												
Output per hour of all persons	9.8	r3.1	r3.5	r0.9	r-11.0	r-4.9	1.0	r1.8	r4.0	r4.3	-1.1	-3.0
Output	21.8	r6.8	r2.8	r-0.4	r-18.7	r-14.1	-3.1	r-1.3	r 5.6	7.4	-2.9	r-8.1
Hours	11.0	3.6	-0.8	-1.2	-8.7	r-9.7	-4.0	-3.0	1.6	3.0	-1.9	r-5.2
Compensation per hour	10.5	11.6	10.8	9.3	7.6	r10.7	12.3	12.5	11.4	10.5	9.8	9.6
Real compensation per hour	-2.2	0.2	3.5	-2.4	-0.2	r7.2	-0.2	1.1	1.5	-0.2	0.3	2.0
Unit labor costs	0.6	r8.2	r7.0	r8.3	r20.9	r16.5	11.2	r10.6	r7.1	6.0	11.0	13.0
<b>DURABLE GOODS</b>												
Output per hour of all persons	11.3	r4.3	r4.9	r0.0	r-11.7	r-7.5	0.6	r2.1	r4.3	5.0	-0.9	r-3.8
Output	26.9	r7.8	r4.3	r-1.7	r-21.1	r-17.6	-4.6	r-2.2	r6.3	8.8	-3.4	r-9.6
Hours	14.1	3.4	-0.5	-1.7	-10.7	r-11.0	-5.2	-4.2	1.9	3.6	-2.5	r-6.1
Compensation per hour	11.2	11.8	10.7	9.5	7.8	r10.5	13.4	13.2	11.8	10.8	9.9	r9.6
Real compensation per hour	-1.4	0.3	3.5	-2.1	0.0	r7.0	0.8	1.7	1.9	0.0	0.4	r2.0
Unit labor costs	0.0	r7.2	r5.6	r9.5	r22.0	r19.5	12.7	r10.9	r7.2	r5.5	10.9	r13.9
<b>NONDURABLE GOODS</b>												
Output per hour of all persons	7.9	r1.4	r1.6	r2.1	r-10.1	r-1.3	1.4	r1.3	r3.5	3.2	-1.4	r-2.1
Output	14.9	r5.6	r0.4	r1.5	r-15.0	r- 8.8	-0.7	r0.2	r4.7	5.4	-2.2	r-5.7
Hours	6.4	3.9	-1.1	-0.6	-5.4	r-7.7	-2.1	-1.0	1.1	2.1	-0.9	-3.7
Compensation per hour	8.2	11.4	10.7	8.9	8.0	r11.5	10.6	11.7	10.5	9.8	9.8	9.8
Real compensation per hour	-4.2	0.0	3.5	-2.7	0.2	r8.0	-1.7	0.4	0.7	-0.9	0.2	2.2
Unit labor costs	0.2	r9.8	r9.0	r6.7	r20.2	r13.0	9.1	r10.3	r6.8	6.4	11.3	p12.1
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour	0.0	6.6	2.2	-0.5	-5.5	p-0.3	1.9	3.2	3.8	2.0	0.6	p-1.1
Output	7.9	11.5	0.1	-0.1	-7.8	p-4.7	0.4	2.6	5.6	4.7	0.7	p-3.2
Hours	7.9	4.6	-2.0	0.5	-2.4	p-4.4	-1.5	-0.5	1.7	2.7	0.1	p-2.1
Compensation per hour	9.4	11.7	9.3	9.1	6.9	p 8.6	10.4	10.8	10.1	9.9	9.2	p 8.5
Real compensation per hour	-3.1	0.3	2.1	-2.5	-0.8	p 5.2	-1.9	-0.4	0.4	-0.8	-0.3	p 0.9
Total unit costs	9.4	5.6	8.4	10.3	14.4	p 8.3	10.5	9.5	7.4	8.4	9.6	p10.3
Unit labor costs	9.4	4.8	7.0	9.7	13.2	p 8.9	8.4	7.4	6.1	7.7	8.6	p 9.7
Unit nonlabor costs	9.5	7.9	12.3	11.8	17.6	p 6.7	16.8	15.4	11.1	10.4	12.3	p12.0
Unit profits	15.7	77.9	-13.9	15.7	-32.6	p-51.4	0.3	11.8	23.3	19.7	4.5	p-24.4
Implicit price deflator	9.9	10.4	6.2	10.7	9.6	p 2.4	9.6	9.7	8.6	9.3	9.2	p7.2

p=preliminary.  
r=revised.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>ALABAMA</b> .....	\$277.41	\$280.08	\$290.33	39.8	38.9	39.4	\$6.97	\$7.20	\$7.37
Birmingham .....	317.58	311.38	318.64	40.2	38.3	38.6	7.97	8.12	8.26
Mobile .....	359.72	369.47	407.55	41.3	39.9	41.8	8.71	9.26	9.75
<b>ALASKA</b> .....	458.68	454.55	(*)	40.2	35.1	(*)	11.41	12.55	(*)
<b>ARIZONA</b> .....	310.08	335.62	330.81	39.5	38.8	38.2	7.85	8.65	8.66
<b>ARKANSAS</b> .....	241.47	254.53	252.99	39.2	38.8	38.6	6.16	6.56	6.58
Fayetteville—Springdale .....	223.18	234.69	237.79	39.5	38.6	38.5	5.65	6.08	6.02
Fort Smith .....	239.86	249.98	246.51	38.5	38.4	38.4	6.23	6.51	6.43
Little Rock—North Little Rock .....	279.96	295.57	286.50	39.1	39.2	38.2	6.93	7.54	7.50
Pine Bluff .....	319.61	337.43	340.72	41.4	41.1	41.4	7.72	8.21	8.23
<b>CALIFORNIA</b> .....	326.93	355.54	353.47	39.2	39.2	38.8	8.34	9.07	9.11
<b>COLORADO</b> .....	327.16	328.10	329.67	39.8	39.2	39.2	8.22	8.27	8.41
Denver—Boulder .....	320.72	331.30	331.63	39.4	39.3	39.2	8.14	8.43	8.46
<b>CONNECTICUT</b> .....	313.33	330.47	330.08	41.5	40.9	40.6	7.55	8.08	8.13
Bridgeport .....	330.58	342.76	339.90	42.6	41.8	41.2	7.76	8.20	8.25
Hartford .....	330.42	353.97	354.14	41.2	41.2	40.8	8.02	8.64	8.68
New Britain .....	323.53	334.96	329.26	41.8	41.2	40.4	7.74	8.13	8.15
New Haven—West Haven .....	290.21	312.04	316.50	39.7	39.7	38.7	7.31	7.86	7.92
Stamford .....	289.05	294.32	298.19	41.0	39.4	39.6	7.05	7.47	7.53
Waterbury .....	264.13	287.86	270.24	41.4	42.9	39.8	6.38	6.71	6.79
<b>DELAWARE</b> .....	344.21	344.44	322.49	40.4	39.5	38.2	8.52	8.72	8.73
Wilmington .....	403.35	403.35	385.29	41.2	39.7	37.7	9.79	10.16	10.22
<b>DISTRICT OF COLUMBIA:</b>									
Washington SMSA .....	333.98	354.64	351.21	38.3	39.1	38.9	8.72	9.07	9.03
<b>FLORIDA</b> .....	256.16	269.89	265.27	39.9	39.4	38.5	6.42	6.85	6.89
Fort Lauderdale—Hollywood .....	239.20	262.68	251.36	39.8	39.5	38.2	6.01	6.65	6.58
Jacksonville .....	309.11	311.63	316.09	40.5	39.1	40.3	7.41	7.97	7.90
Lakeland—Winter Haven .....	288.42	295.10	285.91	41.8	42.4	39.6	6.90	6.96	7.22
Miami .....	228.10	227.94	220.44	40.2	38.7	37.3	5.66	5.89	5.91
Orlando .....	276.81	302.59	287.34	41.5	41.0	40.3	6.67	7.38	7.13
Pensacola .....	328.95	327.62	335.16	43.0	40.1	39.9	7.65	8.17	8.41
Tampa—St. Petersburg .....	257.75	267.13	264.80	40.4	39.4	38.6	6.38	6.78	6.86
West Palm Beach—Boca Raton .....	283.04	285.29	295.54	41.2	38.5	39.3	6.87	7.41	7.52
<b>GEORGIA</b> .....	250.11	257.74	254.41	39.7	38.7	38.2	6.37	6.66	6.66
Atlanta .....	304.13	306.43	304.04	39.7	38.4	38.1	7.66	7.98	7.98
Savannah .....	346.40	371.04	370.58	43.3	43.6	43.7	8.00	8.51	8.48
<b>HAWAII</b> .....	293.61	297.42	283.81	39.2	37.6	36.2	7.49	7.91	7.84
Honolulu .....	287.47	304.10	290.72	38.9	38.3	36.8	7.39	7.94	7.90
<b>IDAHO</b> .....	295.63	297.56	292.56	37.0	36.6	35.8	7.99	8.13	8.20
Boise City .....	266.65	276.00	288.44	37.5	34.5	36.1	7.11	8.00	7.96
<b>ILLINOIS</b> .....	350.95	362.21	357.20	40.2	39.2	38.7	8.73	9.24	9.23
Bloomington—Normal .....	307.51	322.08	318.14	38.2	36.6	36.4	8.05	8.80	8.74
Champaign—Urbana—Rantoul .....	310.79	348.98	338.42	38.8	39.3	38.5	8.01	8.88	8.79
Chicago SMSA .....	323.18	331.01	331.58	39.8	38.4	38.2	8.12	8.62	8.68
Davenport—Rock Island—Moline .....	424.66	450.34	445.61	40.1	38.1	38.2	10.59	11.62	11.77
Decatur .....	399.06	448.06	454.21	39.2	39.2	39.6	10.18	11.42	11.47
Kankakee .....	288.78	301.32	292.81	37.7	37.2	37.3	7.66	8.10	7.85
Peoria .....	455.04	486.16	484.60	39.5	38.1	37.8	11.52	12.76	12.82
Rockford .....	356.65	373.43	367.05	39.9	39.6	38.8	8.72	9.43	9.46
Springfield .....	368.63	412.85	418.09	39.2	40.2	40.0	9.38	10.27	10.45
<b>INDIANA</b> .....	373.33	380.83	382.20	40.1	39.1	39.2	9.31	9.74	9.75
Gary—Hammond—East Chicago .....	515.38	(*)	(*)	40.8	(*)	(*)	12.73	(*)	(*)
Indianapolis .....	362.30	(*)	(*)	40.3	(*)	(*)	8.99	(*)	(*)
<b>IOWA</b> .....	374.37	376.74	392.34	39.7	39.0	39.0	9.43	9.66	10.06
Cedar Rapids .....	366.83	403.19	407.63	38.9	40.4	40.2	9.43	9.98	10.14
Des Moines .....	366.53	410.70	412.73	38.3	38.6	38.9	9.57	10.64	10.61

See footnotes at end of table.



**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>IOWA—Continued</b>									
Dubuque .....	\$415.84	\$421.19	\$430.95	38.9	38.5	39.0	\$10.69	\$10.94	\$11.05
Sioux City .....	375.34	332.64	347.93	43.2	39.6	39.9	8.68	8.40	8.72
Waterloo—Cedar Falls .....	504.56	385.47	526.10	40.3	37.1	40.5	12.52	10.39	12.99
<b>KANSAS</b>									
.....	318.24	342.05	329.61	40.8	40.1	39.1	7.81	8.53	8.43
Topeka .....	350.22	339.89	314.13	41.2	38.8	37.0	8.48	8.76	8.49
Wichita .....	353.64	325.43	363.26	42.1	41.4	39.7	8.43	9.31	9.15
<b>KENTUCKY</b>									
.....	307.71	318.59	313.21	39.5	38.2	37.6	7.79	8.34	8.33
Lexington—Fayette .....	209.04	251.01	327.24	38.2	40.3	37.7	8.09	8.71	8.68
Louisville .....	361.00	378.07	377.23	40.0	39.3	39.5	9.10	9.62	9.55
<b>LOUISIANA</b>									
.....	352.29	372.13	375.86	41.3	40.1	39.9	8.53	9.28	9.42
Baton Rouge .....	457.30	482.38	484.45	42.0	41.3	41.3	10.90	11.68	11.72
New Orleans .....	337.01	369.04	359.90	40.8	40.2	39.9	8.26	9.18	9.02
Shreveport .....	305.29	326.27	323.40	41.2	39.5	39.2	7.41	8.26	8.25
<b>MAINE</b>									
.....	260.50	276.31	283.61	40.2	39.7	40.4	6.48	6.96	7.02
Lewiston—Auburn .....	206.63	210.46	215.28	37.5	36.1	36.8	5.51	5.83	5.85
Portland .....	246.24	272.74	265.69	38.0	39.7	38.9	6.48	6.87	6.83
<b>MARYLAND</b>									
.....	336.37	337.59	337.17	40.2	39.3	38.8	8.36	8.59	8.69
Baltimore .....	357.47	360.59	355.50	40.9	40.2	39.9	8.74	8.97	9.01
<b>MASSACHUSETTS</b>									
.....	275.00	(*)	(*)	40.0	(*)	(*)	6.89	(*)	(*)
Boston .....	300.70	(*)	(*)	40.2	(*)	(*)	7.48	(*)	(*)
Brockton .....	223.04	(*)	(*)	39.9	(*)	(*)	5.59	(*)	(*)
Fall River .....	216.31	(*)	(*)	38.3	(*)	(*)	5.64	(*)	(*)
Lawrence—Haverhill .....	280.39	(*)	(*)	40.3	(*)	(*)	6.95	(*)	(*)
Lowell .....	249.46	(*)	(*)	39.1	(*)	(*)	6.38	(*)	(*)
New Bedford .....	223.98	(*)	(*)	37.8	(*)	(*)	6.19	(*)	(*)
Springfield—Chicopee—Holyoke .....	277.43	(*)	(*)	40.5	(*)	(*)	6.85	(*)	(*)
Worcester .....	283.06	(*)	(*)	39.7	(*)	(*)	7.13	(*)	(*)
<b>MICHIGAN</b>									
.....	420.88	444.70	451.43	40.8	39.9	40.4	10.31	11.15	11.16
Ann Arbor .....	493.53	482.38	497.53	44.0	41.6	42.4	11.21	11.61	11.74
Battle Creek .....	409.25	438.75	434.40	40.9	40.0	39.2	10.00	10.98	11.08
Bay City .....	373.22	373.22	376.37	40.5	39.2	39.7	9.22	9.52	9.47
Detroit .....	444.61	486.93	492.37	40.8	41.3	41.6	10.90	11.80	11.84
Flint .....	495.97	492.27	515.22	41.6	37.3	39.3	11.93	13.18	13.11
Grand Rapids .....	342.48	363.79	372.43	40.1	38.9	39.5	8.54	9.34	9.42
Jackson .....	382.28	397.88	357.18	42.2	41.2	40.3	9.06	9.65	9.86
Kalamazoo—Portage .....	406.76	404.59	401.60	41.0	39.8	39.5	9.92	10.17	10.16
Lansing—East Lansing .....	478.91	457.85	465.75	42.5	37.9	38.3	11.26	12.09	12.17
Muskegon—Norton Shores—Muskegon Heights .....	354.92	284.59	368.04	40.6	29.7	38.5	8.74	9.58	9.56
Saginaw .....	510.50	492.19	481.63	42.2	38.7	38.9	12.10	12.72	12.38
<b>MINNESOTA</b>									
.....	326.58	352.44	351.74	39.3	39.6	39.3	8.31	8.90	8.95
Duluth—Superior .....	326.76	354.65	354.44	39.8	41.0	40.6	8.21	8.65	8.73
Minneapolis—St. Paul .....	341.34	371.45	369.97	39.1	39.6	39.4	8.73	9.38	9.35
St. Cloud .....	237.60	255.96	254.45	35.2	35.6	34.2	6.75	7.19	7.44
<b>MISSISSIPPI</b>									
.....	235.22	245.88	246.27	39.4	38.6	38.6	5.97	6.37	6.39
Jackson .....	261.55	268.71	270.75	40.3	39.0	39.7	6.49	6.89	6.82
<b>MISSOURI</b>									
.....	307.33	319.81	315.10	39.3	38.3	38.4	7.82	8.35	8.31
Kansas City .....	353.03	367.15	369.45	39.6	39.1	38.8	8.87	9.39	9.29
St. Joseph .....	280.96	298.36	292.37	38.7	38.3	38.1	7.26	7.79	7.70
St. Louis .....	351.12	370.28	368.42	39.9	39.1	38.7	8.80	9.47	9.52
Springfield .....	299.63	297.20	303.55	40.6	40.0	40.8	7.38	7.43	7.44
<b>MONTANA</b>									
.....	369.56	373.62	369.16	40.7	39.0	38.9	9.08	9.58	9.49
<b>NEBRASKA</b>									
.....	312.43	333.56	328.44	39.8	39.9	39.1	7.85	8.36	8.40
Lincoln .....	294.13	306.64	311.44	38.6	36.9	36.9	7.62	8.31	8.44
Omaha .....	306.05	327.55	323.64	38.7	38.4	37.7	7.96	8.53	8.59
<b>NEVADA</b>									
.....	329.43	326.26	312.21	39.5	36.7	35.6	8.34	8.89	8.77
Las Vegas .....	445.67	429.74	(*)	40.7	40.2	(*)	10.95	10.69	(*)

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>NEW HAMPSHIRE</b> .....	\$248.98	\$273.03	\$272.74	39.9	39.8	39.7	\$6.24	\$6.86	\$6.87
Manchester .....	231.43	252.80	254.63	38.7	39.5	39.6	5.98	6.40	6.43
Nashua .....	274.51	308.05	308.45	39.9	39.8	39.8	6.88	7.74	7.75
<b>NEW JERSEY</b> .....	316.71	338.20	337.24	40.5	40.6	40.1	7.82	8.33	8.41
Atlantic City .....	230.78	251.47	245.44	36.4	37.2	36.2	6.34	6.76	6.78
Camden .....	324.42	352.19	335.55	40.3	41.0	39.2	8.05	8.59	8.56
Hackensack .....	282.49	297.01	292.74	41.0	40.3	39.4	6.89	7.37	7.42
Jersey City .....	309.78	323.61	321.20	40.6	40.1	39.9	7.63	8.07	8.05
New Brunswick—Perth Amboy—Sayreville .....	372.91	389.27	393.18	41.9	41.5	41.3	8.90	9.38	9.52
Newark .....	332.10	360.59	359.10	41.0	41.4	40.9	8.10	8.71	8.78
Paterson—Clifton—Passaic .....	307.70	309.41	304.62	41.8	41.2	40.4	4.25	7.51	7.54
Trenton .....	322.76	331.74	337.95	39.7	38.8	38.8	8.13	8.55	8.71
<b>NEW MEXICO</b> .....	252.97	283.02	273.39	39.9	39.0	39.0	6.34	7.18	7.01
Albuquerque .....	259.43	286.34	293.09	40.6	38.8	39.5	6.39	7.38	7.42
<b>NEW YORK</b> .....	304.56	320.56	(*)	39.4	39.0	(*)	7.73	8.22	(*)
Albany—Schenectady—Troy .....	321.19	334.17	(*)	39.8	39.5	(*)	8.07	8.46	(*)
Binghamton .....	294.24	285.32	(*)	41.5	40.3	(*)	7.09	7.08	(*)
Buffalo .....	410.66	410.29	(*)	40.7	39.3	(*)	10.09	10.44	(*)
Elmira .....	308.73	326.83	(*)	41.0	40.2	(*)	7.53	8.13	(*)
Monroe County .....	414.83	439.52	(*)	41.4	41.0	(*)	10.02	10.72	(*)
Nassau—Suffolk .....	290.87	318.00	(*)	39.9	39.9	(*)	7.29	7.97	(*)
New York—Northeastern New Jersey .....	290.33	(*)	(*)	39.5	(*)	(*)	7.35	(*)	(*)
New York and Nassau—Suffolk .....	264.80	284.63	(*)	38.1	37.8	(*)	6.95	7.53	(*)
New York SMSA .....	258.25	274.91	(*)	37.7	37.2	(*)	6.85	7.39	(*)
New York City .....	253.27	271.57	(*)	37.2	37.1	(*)	6.79	7.32	(*)
Poughkeepsie .....	320.25	325.85	(*)	42.7	42.1	(*)	7.50	7.74	(*)
Rochester .....	391.81	414.53	(*)	41.2	40.8	(*)	9.51	10.16	(*)
Rockland County .....	288.80	322.65	(*)	40.0	39.3	(*)	7.22	8.21	(*)
Syracuse .....	332.51	349.86	(*)	40.6	40.4	(*)	8.19	8.66	(*)
Utica—Rome .....	287.43	308.05	(*)	39.7	39.8	(*)	7.24	7.74	(*)
Westchester County .....	298.07	294.08	(*)	41.0	37.8	(*)	7.27	7.78	(*)
<b>NORTH CAROLINA</b> .....	225.81	233.75	232.36	39.0	37.4	37.0	5.79	6.25	6.28
Asheville .....	218.83	225.75	232.16	38.8	37.5	38.5	5.64	6.02	6.03
Charlotte—Gastonia .....	233.78	238.61	234.74	40.1	38.3	37.8	5.83	6.23	6.21
Greensboro—Winston-Salem—High Point .....	243.32	254.88	256.04	38.5	37.1	37.0	6.32	6.87	6.92
Raleigh—Durham .....	257.28	277.63	271.15	39.1	38.4	37.4	6.58	7.23	7.25
<b>NORTH DAKOTA</b> .....	266.54	273.78	281.25	37.7	37.3	37.6	7.07	7.34	7.48
Fargo—Moorhead .....	277.82	278.44	280.49	36.7	38.3	37.2	7.57	7.27	7.54
<b>OHIO</b> .....	387.04	395.81	398.20	41.0	39.9	39.9	9.44	9.92	9.98
Akron .....	394.06	405.00	405.57	42.1	41.2	41.3	9.36	9.83	9.82
Canton .....	386.80	387.39	379.48	40.0	38.7	38.1	9.67	10.01	9.96
Cincinnati .....	351.29	375.46	375.22	40.8	39.9	40.3	8.61	9.41	9.41
Cleveland .....	392.09	398.19	396.81	41.1	40.1	39.8	9.54	9.93	9.97
Columbus .....	339.44	359.33	363.53	39.7	39.4	39.6	8.55	9.12	9.18
Dayton .....	398.47	388.68	400.00	41.9	39.5	40.0	9.51	9.84	10.00
Toledo .....	396.58	441.72	435.56	40.8	40.9	40.7	9.72	10.80	10.80
Youngstown—Warren .....	481.15	457.08	446.60	41.3	39.1	38.6	11.65	11.69	11.57
<b>OKLAHOMA</b> .....	329.65	337.85	340.56	40.3	39.7	39.6	8.18	8.51	8.60
Oklahoma City .....	352.41	347.84	352.42	40.6	40.4	40.3	8.68	8.61	8.77
Tulsa .....	340.85	366.30	366.03	40.1	39.6	39.4	8.50	9.25	9.29
<b>OREGON</b> .....	352.47	370.63	(*)	37.9	37.4	(*)	9.30	9.91	(*)
Eugene—Springfield .....	363.47	(*)	(*)	38.1	(*)	(*)	9.54	(*)	(*)
Jackson County .....	344.31	366.03	(*)	38.6	39.4	(*)	8.92	9.29	(*)
Portland .....	355.51	377.38	(*)	37.7	37.7	(*)	9.43	10.01	(*)
Salem .....	333.90	(*)	(*)	37.1	(*)	(*)	8.99	(*)	(*)
<b>PENNSYLVANIA</b> .....	323.05	330.50	326.61	39.3	38.7	38.2	8.22	8.54	8.55
Allentown—Bethlehem—Easton .....	334.93	339.22	336.14	38.9	38.2	37.6	8.61	8.88	8.94
Altoona .....	274.56	277.85	278.95	38.4	39.3	39.4	7.15	7.07	7.08
Delaware Valley .....	325.91	340.65	337.85	39.6	39.2	38.7	8.23	8.69	8.73
Erie .....	341.01	369.41	357.30	40.5	41.0	39.7	8.42	9.01	9.00
Harrisburg .....	213.29	314.16	311.76	40.9	38.5	38.3	7.66	8.16	8.14
Johnstown .....	339.34	316.28	312.76	38.3	35.9	35.5	8.86	8.81	8.81

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>PENNSYLVANIA—Continued</b>									
Lancaster .....	\$280.53	\$290.70	\$286.50	39.4	38.1	37.5	\$7.12	\$7.63	\$7.64
Northeast Pennsylvania .....	223.84	247.01	240.01	35.7	37.2	36.2	6.27	6.64	6.63
Philadelphia SMSA .....	325.36	342.47	336.69	39.8	39.5	38.7	8.18	8.67	8.70
Pittsburgh .....	405.82	406.51	398.70	41.2	38.9	38.3	9.85	10.45	10.41
Reading .....	304.07	310.08	310.88	39.8	38.0	37.5	7.64	8.16	8.29
Williamsport .....	293.88	314.76	306.48	39.5	39.1	38.6	7.44	8.05	7.94
York .....	295.71	318.39	314.01	41.0	40.1	39.9	7.31	7.94	7.87
<b>RHODE ISLAND</b>									
Providence—Warwick—Pawtucket .....	234.00	252.72	255.45	39.0	39.0	39.0	6.00	6.48	6.55
.....	232.44	251.02	252.20	39.0	39.1	39.1	5.96	6.42	6.45
<b>SOUTH CAROLINA</b>									
.....	245.23	252.44	246.18	40.4	38.6	37.3	6.07	6.54	6.60
Charleston—North Charleston .....	283.44	276.57	272.12	41.5	38.2	37.9	6.83	7.24	7.18
Columbia .....	232.83	239.65	241.42	39.0	37.8	37.9	5.97	6.34	6.37
Greenville—Spartanburg .....	235.22	252.55	249.67	39.6	35.4	38.8	5.94	6.41	6.44
<b>South Dakota</b>									
.....	297.77	297.51	293.66	42.6	42.2	39.9	6.99	7.05	7.36
Sioux Falls .....	433.92	409.00	426.79	48.7	50.0	45.5	8.91	8.18	9.36
<b>TENNESSEE</b>									
.....	264.80	268.10	272.70	39.7	38.3	38.3	6.67	7.00	7.12
Chattanooga .....	260.09	264.62	267.80	40.2	38.8	38.7	6.47	6.82	6.92
Knoxville .....	293.60	310.13	317.15	40.0	38.1	39.3	7.34	8.14	8.07
Memphis .....	292.19	293.78	302.99	39.7	39.7	39.4	7.36	7.40	7.65
Nashville—Davidson .....	286.08	316.33	315.61	39.5	40.4	39.9	7.17	7.83	7.91
<b>TEXAS</b>									
.....	321.31	343.58	341.74	41.3	41.0	40.3	7.78	8.38	8.48
Dallas—Fort Worth .....	302.66	329.23	323.18	40.9	41.0	39.8	7.43	8.03	8.12
Houston .....	406.59	436.60	441.78	43.3	43.4	43.1	9.39	10.06	10.25
San Antonio .....	227.77	247.20	243.36	40.1	40.0	39.7	5.68	6.18	6.13
<b>UTAH</b>									
.....	303.31	315.09	315.09	39.7	38.9	38.1	7.64	8.10	8.27
Salt Lake City—Ogden .....	290.97	310.08	306.28	40.3	39.3	38.0	7.22	7.89	8.06
<b>VERMONT</b>									
.....	265.32	280.86	275.38	40.2	38.9	38.3	6.63	7.22	7.19
Burlington .....	295.65	317.12	303.73	41.7	40.5	39.6	7.09	7.83	7.67
Springfield .....	305.02	303.70	293.36	40.4	39.7	38.6	7.55	7.65	7.60
<b>VIRGINIA</b>									
.....	264.65	273.64	271.90	39.5	37.9	37.4	6.70	7.22	7.27
Bristol .....	227.63	233.99	232.32	37.5	37.2	36.4	6.07	6.29	6.41
Lynchburg .....	264.11	242.55	232.89	40.2	35.0	33.9	6.57	6.93	6.87
Norfolk—Virginia Beach—Portsmouth .....	274.82	300.77	302.19	39.6	40.7	40.4	6.94	7.39	7.48
Northern Virginia .....	284.72	300.13	294.89	39.6	39.7	38.7	7.19	7.56	7.62
Petersburg—Colonial Heights—Hopewell .....	333.92	348.46	359.44	39.8	38.0	38.9	8.39	9.17	9.24
Richmond .....	342.28	368.96	344.20	39.8	40.5	37.7	8.60	9.11	9.13
Roanoke .....	240.91	258.73	256.03	39.3	39.5	38.7	6.13	6.55	6.59
<b>WASHINGTON</b>									
.....	395.76	422.99	(*)	38.8	38.7	(*)	10.20	10.93	(*)
Seattle—Everett .....	411.29	357.37	(*)	39.7	2.9	(*)	0.36	10.29	(*)
<b>WEST VIRGINIA</b>									
.....	349.36	353.53	357.37	39.7	39.5	39.1	8.80	8.95	9.14
Charleston .....	422.00	441.19	439.07	42.2	42.3	41.5	10.00	10.43	10.58
Huntington—Ashland .....	361.57	404.64	403.00	38.1	38.5	38.9	9.49	10.51	10.36
Parkersburg—Martetta .....	378.22	391.42	385.62	41.2	39.9	39.5	9.18	9.81	9.77
Wheeling .....	369.95	375.77	396.62	38.1	38.8	39.4	9.71	9.69	10.14
<b>WISCONSIN</b>									
.....	341.92	367.59	363.01	39.5	39.5	39.1	8.65	9.31	9.29
Appleton—Oshkosh .....	344.50	363.15	357.75	41.7	40.8	40.5	8.27	8.89	8.84
Eau Claire .....	328.97	351.61	349.72	40.2	40.4	40.3	8.18	8.71	8.66
Green Bay .....	358.24	382.78	390.28	41.3	40.7	41.4	8.67	9.40	9.42
Janesville—Beloit .....	368.08	355.47	332.69	39.2	39.4	37.3	9.58	9.02	8.93
Kenosha .....	385.45	429.80	440.65	39.1	40.1	40.3	9.87	10.72	10.96
La Crosse .....	299.33	223.27	329.65	39.8	39.2	38.4	7.53	8.25	8.58
Madison .....	329.36	359.49	372.22	38.8	38.7	39.7	8.48	9.30	9.37
Milwaukee .....	373.08	407.11	404.45	39.4	39.3	39.1	9.47	10.35	10.34
Racine .....	356.05	392.18	357.25	38.4	39.7	37.5	9.27	9.88	9.54
<b>WYOMING</b>									
.....	310.42	328.94	324.66	39.9	39.3	38.4	7.78	8.37	8.46

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**STATE AND AREA HOURS AND EARNINGS**

**C-12. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued**

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	APR. 1981	MAR. 1982	APR. 1982 <sup>P</sup>	APR. 1981	MAR. 1982	APR. 1982 <sup>P</sup>	APR. 1981	MAR. 1982	APR. 1982 <sup>P</sup>
<b>VIRGIN ISLANDS</b> .....	\$334.43	\$393.34	\$355.85	41.7	41.8	41.8	\$8.02	\$9.41	\$9.47

<sup>1</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>2</sup> Subarea of New York—Northeastern New Jersey.  
<sup>3</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>4</sup> Area included in New York and Nassau—Suffolk combined SMSA's.  
<sup>5</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>6</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

<sup>7</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.  
 p = preliminary.  
 \*Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

# STATE AND AREA UNEMPLOYMENT DATA

## D-1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>ALABAMA</b>	1,661.4	1,691.9	1,692.4	170.5	238.8	220.2	10.3	14.1	13.0
Birmingham	376.9	378.5	380.6	39.4	45.6	44.4	10.5	12.0	11.7
Huntsville	140.4	146.8	146.6	14.7	18.3	16.6	10.5	12.5	11.3
Mobile	188.4	189.1	189.3	17.4	23.0	23.4	9.2	12.2	12.4
Montgomery	120.9	122.3	122.1	10.1	14.7	13.7	8.3	12.0	11.2
Tuscaloosa	55.5	54.9	54.7	5.8	6.4	6.2	10.4	11.6	11.3
<b>ALASKA</b>	185.5	198.2	199.3	17.8	22.3	21.3	9.6	11.2	10.7
<b>ARIZONA</b>	1,267.0	1,303.6	1,300.6	73.8	107.7	108.4	5.8	8.3	8.3
Phoenix	774.8	795.3	792.8	36.5	52.4	53.1	4.7	6.6	6.7
Tucson	230.3	238.2	238.3	11.5	18.6	17.9	5.0	7.8	7.5
<b>ARKANSAS</b>	1,034.4	1,008.9	1,006.3	93.3	108.0	96.1	9.0	10.7	9.5
Fayetteville-Springdale	81.8	80.2	80.2	4.3	5.6	5.1	5.3	7.0	6.4
Fort Smith	91.0	87.4	86.8	7.8	10.1	9.8	8.6	11.5	11.3
Little Rock—North Little Rock	197.6	192.0	191.3	14.7	15.8	14.9	7.5	8.3	7.8
Pine Bluff	41.1	39.5	39.7	4.2	4.2	3.8	10.3	10.7	9.6
<b>CALIFORNIA<sup>1</sup></b>	11,736.1	11,953.4	11,995.0	841.6	1,156.3	1,130.4	7.2	9.7	9.4
Anaheim—Santa Ana—Garden Grove	1,166.9	1,188.3	1,193.7	46.9	73.0	72.3	4.0	6.1	6.1
Bakersfield	191.4	200.3	196.4	16.9	26.4	24.9	8.8	13.2	12.7
Fresno	273.0	276.5	281.8	29.6	44.6	42.5	10.8	16.1	15.1
Los Angeles—Long Beach <sup>2</sup>	3,722.0	3,738.0	3,773.0	256.0	321.0	319.0	6.9	8.6	8.5
Modesto	132.1	139.1	139.7	21.3	28.1	27.5	16.1	20.2	19.7
Oxnard—Simi Valley—Ventura	246.1	258.8	258.9	16.6	24.8	24.1	6.7	9.6	9.3
Riverside—San Bernardino—Ontario	607.0	629.1	628.4	46.8	68.4	66.8	7.7	10.9	10.6
Sacramento	492.5	507.7	504.3	41.0	60.3	58.9	8.3	11.9	11.7
Salinas—Seaside—Monterey	136.4	139.3	138.9	13.4	18.5	17.3	9.9	13.3	12.4
San Diego	795.5	810.4	810.5	51.9	70.8	68.2	6.5	8.7	8.4
San Francisco—Oakland	1,685.4	1,719.9	1,716.9	94.5	127.3	124.2	5.6	7.4	7.2
San Jose	786.4	809.3	806.7	46.6	60.3	58.4	5.9	7.4	7.2
Santa Barbara—Santa Maria—Lompoc	154.5	158.3	158.0	8.5	12.7	11.5	5.5	8.0	7.3
Santa Rosa	139.7	145.4	145.0	11.4	16.1	15.9	8.1	11.1	11.0
Stockton	169.5	168.5	168.0	20.9	32.1	30.4	12.3	19.0	18.1
Vallejo—Fairfield—Napa	132.6	136.6	137.9	10.0	15.4	14.3	7.6	11.2	10.4
<b>COLORADO</b>	1,509.9	1,532.6	1,541.3	81.0	102.2	102.2	5.4	6.7	6.6
Denver—Boulder	897.5	913.8	916.7	42.5	51.9	51.6	4.7	5.7	5.6
<b>CONNECTICUT</b>	1,589.6	1,608.8	1,614.8	96.8	113.5	110.8	6.1	7.1	6.9
Bridgeport	193.3	194.5	196.2	12.2	13.6	14.8	6.3	7.0	7.5
Hartford	383.8	391.8	392.6	20.0	26.0	24.5	5.2	6.6	6.2
New Britain	75.2	74.9	75.5	5.0	6.5	6.4	6.7	8.6	8.5
New Haven—West Haven	199.2	200.7	200.1	13.4	14.6	13.7	6.7	7.3	6.9
Stamford	121.8	123.7	124.3	4.7	4.9	4.9	3.9	4.0	3.9
Waterbury	106.8	109.1	109.0	8.8	10.0	9.7	8.2	9.2	8.9
<b>DELAWARE</b>	284.7	295.2	299.7	20.6	24.3	22.7	7.2	8.2	7.6
Wilmington <sup>1</sup>	253.6	261.0	264.0	17.9	21.5	20.9	7.1	8.2	7.9
<b>DISTRICT OF COLUMBIA</b>	309.0	309.3	308.4	25.4	32.6	32.7	8.2	10.6	10.6
Washington SMSA <sup>1</sup>	1,677.7	1,688.8	1,689.6	77.7	103.1	99.2	4.6	6.1	5.9
<b>FLORIDA<sup>1</sup></b>	4,410.3	4,598.0	4,643.8	238.4	393.2	366.2	5.4	8.6	7.9
Bradenton	64.4	72.7	72.7	3.1	5.9	5.5	4.8	8.1	7.5
Daytona Beach	107.6	111.5	112.8	5.9	9.5	8.2	5.5	8.5	7.3
Fort Lauderdale—Hollywood	475.1	487.1	489.3	21.0	37.2	33.4	4.4	7.6	6.8
Fort Myers—Cape Coral	94.6	98.3	99.9	4.4	8.9	7.4	4.7	9.0	7.4
Gainesville	75.1	80.0	81.6	2.8	3.9	3.9	3.7	4.9	4.7
Jacksonville	328.4	343.0	347.8	18.3	28.4	25.4	5.6	8.3	7.3
Lakeland—Winter Haven	143.9	151.9	151.3	11.3	19.5	19.8	7.8	12.9	13.1
Melbourne—Titusville—Cocoa	119.0	122.4	124.1	8.5	10.9	10.8	7.2	8.9	8.7
Miami	801.4	824.1	827.2	44.0	72.1	65.6	5.5	8.8	7.9
Orlando	357.1	371.2	376.2	18.6	28.6	26.2	5.2	7.7	7.0
Panama City	41.8	43.3	44.9	3.4	5.0	5.1	8.1	11.6	11.4
Pensacola	117.5	121.9	124.1	5.7	9.5	8.0	4.9	7.8	6.5
Sarasota	77.7	82.6	83.8	3.1	6.5	6.6	4.0	7.9	7.9
Tallahassee	84.8	84.0	85.5	3.0	4.2	4.3	3.6	5.0	5.0
Tampa—St. Petersburg	680.9	720.4	729.1	33.8	56.5	54.8	5.0	7.8	7.5
West Palm Beach—Boca Raton	268.1	284.2	286.0	14.4	24.3	22.2	5.4	8.5	7.7

See footnotes at end of table

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>GEORGIA</b> .....	2,583.9	2,626.8	2,632.5	151.1	202.7	186.3	5.8	7.7	7.1
Albany.....	52.5	54.7	55.2	3.9	4.7	4.9	7.3	8.5	8.8
Atlanta.....	1,063.7	1,091.6	1,094.1	53.5	69.2	63.0	5.0	6.3	5.8
Augusta.....	130.7	134.7	136.0	8.7	11.7	11.2	6.7	8.7	8.2
Columbus <sup>1</sup> .....	87.5	88.5	87.7	7.1	10.9	8.0	8.1	12.3	9.1
Macon.....	105.1	108.2	108.7	5.8	7.2	6.8	5.6	6.7	6.2
Savannah.....	94.5	99.9	100.1	5.6	7.0	6.8	6.0	7.0	6.8
<b>HAWAII</b> .....	449.3	451.4	450.7	22.7	26.2	26.8	5.1	5.8	6.0
Honolulu.....	347.2	348.0	347.4	16.1	18.7	19.1	4.6	5.4	5.5
<b>IDAHO</b> .....	424.8	425.1	432.6	32.5	45.7	45.6	7.6	10.8	10.5
Boise City.....	89.9	89.7	90.5	5.6	6.8	6.7	6.2	7.6	7.4
<b>ILLINOIS<sup>2</sup></b> .....	5,549.6	5,530.9	5,571.9	453.8	565.4	562.6	8.2	10.2	10.1
Bloomington—Normal.....	62.6	62.2	63.6	3.7	5.5	5.4	6.0	8.9	8.6
Champaign—Urbana—Rantoul.....	85.8	86.0	87.3	4.7	5.5	5.3	5.4	6.4	6.1
Chicago.....	3,468.9	3,473.7	3,473.4	270.6	329.5	331.1	7.8	9.5	9.5
Davenport—Rock Island—Moline <sup>1</sup> .....	187.3	191.7	193.2	13.8	25.2	25.3	7.4	13.1	13.1
Decatur.....	61.9	63.4	62.1	6.9	8.5	7.9	11.1	13.4	12.6
Kankakee.....	41.0	42.1	42.4	4.5	6.7	6.4	11.0	16.0	15.2
Peoria.....	173.7	172.3	173.9	14.7	19.0	19.7	8.4	11.0	11.4
Rockford.....	134.4	134.6	138.2	12.4	17.5	20.6	9.2	13.0	14.9
Springfield.....	97.0	97.6	98.5	6.2	7.0	6.4	6.4	7.1	6.5
<b>INDIANA</b> .....	2,616.4	2,580.5	2,557.3	255.0	332.7	313.4	9.7	12.9	12.3
Anderson.....	56.0	56.3	55.3	6.2	11.7	10.6	11.1	20.8	19.3
Eikhart.....	66.6	65.1	64.4	5.8	7.3	6.4	8.7	11.2	10.0
Evansville <sup>1</sup> .....	147.4	145.7	143.8	12.0	15.3	12.7	8.2	10.5	8.8
Fort Wayne.....	193.6	187.8	187.2	19.9	24.1	23.8	10.3	12.8	12.7
Gary—Hammond—East Chicago.....	294.3	289.1	287.4	31.7	41.7	42.3	10.8	14.4	14.7
Indianapolis.....	606.2	601.0	593.4	47.0	60.0	54.6	7.8	10.0	9.2
Lafayette—West Lafayette.....	63.6	63.0	63.0	4.0	5.3	5.2	6.3	8.4	8.3
Muncie.....	58.3	58.0	57.3	6.7	9.8	9.2	11.5	17.0	16.0
South Bend.....	137.9	134.1	132.5	13.4	14.8	13.6	9.7	11.0	10.3
Terre Haute.....	81.9	77.2	76.6	8.8	10.0	10.4	10.7	13.0	13.6
<b>IOWA</b> .....	1,431.5	1,428.7	1,437.2	93.7	146.4	122.1	6.5	10.2	8.5
Cedar Rapids.....	88.3	87.3	87.0	7.0	8.9	9.1	7.9	10.2	10.5
Des Moines.....	183.8	184.3	181.7	12.4	15.4	14.0	6.7	8.4	7.7
Dubuque.....	45.4	45.0	44.4	4.9	6.6	6.1	10.9	14.7	13.8
Sioux City <sup>1</sup> .....	55.0	55.8	55.2	3.7	4.9	4.5	6.8	8.8	8.1
Waterloo—Cedar Falls.....	68.6	70.2	69.7	5.2	17.8	8.5	7.6	25.4	12.2
<b>KANSAS</b> .....	1,186.2	1,160.6	1,161.8	46.7	63.9	62.5	3.9	5.5	5.4
Lawrence.....	34.9	34.7	34.4	1.4	1.7	1.4	4.0	4.9	4.2
Topeka.....	95.2	93.5	92.7	4.9	6.0	5.3	5.1	6.4	5.7
Wichita.....	227.2	223.6	223.5	8.8	14.3	16.4	3.9	6.4	7.4
<b>KENTUCKY</b> .....	1,660.9	1,586.2	1,599.5	140.6	169.6	165.0	8.5	10.7	10.3
Lexington—Fayette.....	179.0	171.2	176.0	8.9	10.6	10.7	5.0	6.2	6.1
Louisville <sup>1</sup> .....	434.6	419.7	420.7	34.5	50.0	49.6	7.9	11.9	11.8
Owensboro.....	43.2	39.0	39.4	3.1	4.0	4.0	7.1	10.1	10.1
<b>LOUISIANA</b> .....	1,838.5	1,855.4	1,875.3	153.6	188.0	184.7	8.4	10.1	9.9
Alexandria.....	72.6	72.5	73.0	8.3	8.5	8.2	11.4	11.7	11.2
Baton Rouge.....	225.6	224.9	226.3	17.8	19.3	19.2	7.9	8.6	8.5
Lafayette.....	89.6	93.6	96.3	3.7	4.7	4.3	4.1	5.0	4.4
Lake Charles.....	81.1	79.9	80.3	7.0	11.6	10.7	8.6	14.6	13.3
Monroe.....	57.1	54.9	55.6	6.0	6.9	6.8	10.5	12.5	12.2
New Orleans.....	512.5	509.2	513.0	39.3	47.7	47.8	7.7	9.4	9.3
Shreveport.....	162.6	162.8	163.5	13.5	14.6	14.1	8.3	8.9	8.6
<b>MAINE</b> .....	499.0	508.3	516.4	36.4	47.3	47.9	7.3	9.3	9.3
Lewiston—Auburn.....	38.5	38.8	38.9	2.7	3.9	4.0	6.9	10.2	10.4
Portland.....	91.7	95.3	95.6	5.3	6.2	6.1	5.8	6.5	6.4
<b>MARYLAND</b> .....	2,163.3	2,172.8	2,190.7	145.2	202.9	189.2	6.7	9.3	8.6
Baltimore.....	1,081.5	1,089.1	1,099.9	81.9	116.0	108.1	7.6	10.6	9.8

See footnotes at end of table.

**STATE AND AREA UNEMPLOYMENT DATA**

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>MASSACHUSETTS<sup>1</sup></b> .....	2,853.6	2,976.5	2,948.8	145.2	226.5	234.8	5.1	7.6	8.0
Boston .....	1,393.6	1,444.4	1,427.9	63.7	93.8	96.3	4.6	6.5	6.7
Brockton .....	79.4	82.2	81.3	5.0	7.4	7.8	6.3	9.0	9.6
Fall River <sup>1</sup> .....	71.5	75.6	74.3	4.8	9.1	8.6	6.8	12.0	11.6
Lawrence—Haverhill <sup>1</sup> .....	143.5	146.9	146.5	7.2	11.6	12.3	5.1	7.9	8.4
Lowell .....	123.4	130.8	130.1	5.8	8.7	9.4	4.7	6.6	7.3
New Bedford .....	83.0	84.7	84.6	5.9	10.8	11.2	7.1	12.7	13.3
Springfield—Chicopee—Holyoke .....	269.5	293.7	288.5	13.7	22.3	22.6	5.1	7.6	7.8
Worcester .....	193.9	201.6	198.6	9.2	14.6	16.3	4.8	7.2	8.2
<b>MICHIGAN<sup>2</sup></b> .....	4,273.6	4,251.5	4,217.9	520.8	724.6	654.3	12.2	17.0	15.5
Ann Arbor .....	144.9	141.8	142.2	11.3	16.2	14.0	7.8	11.4	9.8
Battle Creek .....	78.6	80.2	81.0	8.6	12.7	12.3	10.9	15.9	15.2
Bay City .....	52.8	55.5	54.5	6.9	10.6	8.7	13.1	19.2	16.0
Detroit .....	1,989.1	1,960.4	1,926.9	256.0	339.1	293.1	12.9	17.3	15.3
Flint .....	224.6	229.0	224.7	30.3	53.9	52.2	13.5	23.5	23.2
Grand Rapids .....	317.6	324.9	325.9	27.2	44.4	39.2	8.6	13.7	12.0
Jackson .....	66.2	66.7	66.0	7.5	11.2	10.2	11.3	16.8	15.4
Kalamazoo—Portage .....	137.8	137.6	137.9	11.7	16.8	14.9	8.5	12.2	10.8
Lansing—East Lansing .....	244.2	241.1	245.0	25.6	32.7	37.2	10.5	13.6	15.2
Muskegon—Norton Shores—Muskegon Heights .....	77.1	77.7	78.3	10.7	13.9	13.2	13.8	17.9	16.8
Saginaw .....	101.4	103.7	101.6	11.2	21.4	18.2	11.1	20.6	17.9
<b>MINNESOTA</b> .....	2,136.6	2,096.3	2,134.5	115.6	162.4	148.4	5.4	7.7	7.0
Duluth—Superior <sup>1</sup> .....	114.7	111.2	111.0	9.4	15.0	14.2	8.2	13.5	12.8
Minneapolis—St. Paul .....	1,145.8	1,142.5	1,150.6	49.1	68.8	63.9	4.3	6.0	5.6
Rochester .....	56.1	56.3	56.9	2.3	3.4	3.1	4.1	6.0	5.4
St. Cloud .....	74.9	73.9	75.3	5.1	7.5	6.8	6.8	10.2	9.0
<b>MISSISSIPPI</b> .....	1,047.5	1,074.3	1,071.3	81.8	103.6	102.9	7.8	9.6	9.6
Jackson .....	158.6	163.1	163.1	9.4	10.5	10.3	5.9	6.5	6.3
<b>MISSOURI</b> .....	2,308.6	2,302.1	2,329.9	166.2	212.9	195.6	7.2	9.2	8.4
Kansas City <sup>1</sup> .....	684.2	673.4	672.9	40.8	57.8	54.1	6.0	8.6	8.0
St. Joseph .....	45.3	43.6	44.1	3.8	4.6	4.3	8.4	10.6	9.7
St. Louis <sup>1</sup> .....	1,112.5	1,101.0	1,111.6	90.3	102.8	97.1	8.1	9.3	8.7
Springfield .....	107.6	107.2	108.5	6.7	7.6	7.4	6.2	7.1	6.8
<b>MONTANA</b> .....	378.7	389.9	392.0	27.2	40.6	36.5	7.2	10.4	9.3
Billings .....	56.6	60.1	60.5	3.0	3.9	3.7	5.2	6.4	6.2
Great Falls .....	33.9	36.5	36.8	3.0	3.2	3.0	8.9	8.7	8.1
<b>NEBRASKA</b> .....	770.0	773.2	781.1	28.5	48.7	40.7	3.7	6.3	5.2
Lincoln .....	109.4	111.6	111.0	3.7	5.9	5.2	3.4	5.3	4.7
Omaha <sup>1</sup> .....	279.1	283.3	282.6	14.8	21.0	18.1	5.3	7.4	6.4
<b>NEVADA</b> .....	456.6	482.5	486.0	32.7	40.1	41.9	7.2	8.3	8.6
Las Vegas .....	255.3	270.1	271.4	21.0	23.7	25.6	8.2	8.8	9.4
Reno .....	125.2	133.1	133.7	6.7	9.2	9.1	5.3	6.9	6.8
<b>NEW HAMPSHIRE</b> .....	470.1	480.9	487.1	23.0	37.0	40.7	4.9	7.7	8.4
Manchester .....	83.4	84.3	85.2	4.7	6.9	7.1	5.6	8.1	8.3
Nashua .....	81.5	83.4	83.9	3.0	5.9	6.0	3.7	7.1	7.1
<b>NEW JERSEY</b> .....	3,574.0	3,589.7	3,594.2	269.8	330.6	319.2	7.5	9.2	8.9
Atlantic City .....	112.1	116.9	118.5	9.0	13.5	12.8	8.0	11.5	10.8
Jersey City .....	245.2	248.6	249.4	28.8	34.0	35.1	11.8	13.7	14.1
Long Branch—Asbury Park .....	238.8	242.1	243.4	17.7	21.3	20.2	7.4	8.8	8.3
New Brunswick—Perth Amboy—Sayreville .....	331.0	331.2	330.3	21.1	25.1	25.5	6.4	7.6	7.7
Newark .....	966.2	972.4	971.4	70.6	85.0	80.7	7.3	8.7	8.3
Paterson—Clifton—Passaic .....	209.7	210.4	209.6	19.3	23.9	23.9	9.2	11.4	11.4
Trenton .....	158.9	159.8	159.0	9.2	13.3	12.5	5.8	8.3	7.9
Vineland—Millville—Bridgeton .....	58.8	60.5	60.3	7.9	10.7	10.5	13.5	17.7	17.5
<b>NEW MEXICO</b> .....	571.5	572.4	574.0	40.5	44.0	44.8	7.1	7.7	7.8
Albuquerque .....	212.1	209.6	211.0	15.0	15.3	14.9	7.1	7.3	7.1
Las Cruces .....	35.4	36.4	36.7	2.8	3.2	3.0	7.9	8.7	8.3

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>NEW YORK<sup>2</sup></b>	8,047.2	8,058.4	7,966.1	642.9	692.2	619.3	8.0	8.6	7.8
Albany—Schenectady—Troy	382.4	383.2	379.5	24.2	26.0	22.9	6.3	6.8	6.0
Binghamton <sup>1</sup>	138.7	144.1	141.9	9.5	10.9	9.8	6.9	7.6	6.9
Buffalo	568.9	567.1	559.4	53.3	69.7	64.6	9.4	12.3	11.6
Elmira	39.7	39.5	38.6	3.2	3.8	3.9	8.0	9.7	10.0
Nassau-Suffolk	1,319.1	1,320.8	1,323.6	79.5	74.4	69.4	6.0	5.6	5.2
New York	3,690.4	3,669.2	3,609.0	323.6	337.3	300.8	8.8	9.2	8.3
New York City <sup>2</sup>	3,071.0	3,045.0	2,985.0	293.0	308.0	273.0	9.5	10.1	9.1
Poughkeepsie	110.5	114.1	113.9	6.5	6.7	5.9	5.9	5.9	5.2
Rochester	472.3	486.5	479.1	28.0	36.3	29.4	5.9	7.5	6.1
Syracuse	302.3	301.7	299.3	21.5	23.5	20.5	7.1	7.8	6.8
Utica—Rome	135.9	137.4	136.9	11.6	12.2	11.1	8.6	8.9	8.1
<b>NORTH CAROLINA</b>	2,903.6	2,946.3	2,925.1	177.7	285.4	239.2	6.1	9.7	8.2
Asheville	88.9	88.9	88.7	6.4	8.2	7.2	7.2	9.2	8.1
Charlotte—Gastonia	370.9	375.4	374.0	17.0	24.8	23.5	4.6	6.6	6.3
Greensboro—Winston-Salem—High Point	443.8	454.7	449.4	22.9	39.4	31.1	5.2	8.7	6.9
Raleigh—Durham	312.2	317.3	317.4	10.4	15.0	12.9	3.3	4.7	4.1
<b>NORTH DAKOTA</b>	305.7	307.6	316.8	16.8	16.3	16.0	5.5	5.3	5.0
Fargo—Moorehead <sup>1</sup>	70.6	72.1	73.1	4.2	4.2	3.9	6.0	5.8	5.3
<b>OHIO<sup>2</sup></b>	5,058.1	5,013.8	5,050.2	386.0	615.6	605.8	7.6	12.3	12.0
Akron	300.4	297.2	299.6	22.3	35.3	34.1	7.4	11.9	11.4
Canton	186.9	187.3	189.4	14.3	25.4	24.6	7.7	13.6	13.0
Cincinnati <sup>1</sup>	679.3	664.3	668.8	48.9	73.0	68.2	7.2	11.0	10.2
Cleveland	927.7	903.7	909.6	63.3	92.5	88.7	6.8	10.2	9.8
Columbus	559.4	553.8	558.5	34.4	51.4	50.8	6.1	9.3	9.1
Dayton	388.2	387.5	389.1	24.9	45.2	43.5	6.4	11.7	11.2
Toledo <sup>1</sup>	364.9	N.A.	N.A.	31.8	N.A.	N.A.	8.7	N.A.	N.A.
Youngstown—Warren	229.7	231.2	236.9	21.1	41.1	46.2	9.2	17.8	19.5
<b>OKLAHOMA</b>	1,429.3	1,471.3	1,482.0	48.3	70.9	72.7	3.4	4.8	4.9
Enid	30.0	29.9	29.8	.8	1.0	1.2	2.7	3.4	4.0
Lawton	34.4	34.5	34.8	1.5	1.5	1.5	4.3	4.3	4.3
Oklahoma City	441.1	457.1	460.9	13.0	21.3	20.5	3.0	4.7	4.5
Tulsa	352.0	360.4	367.4	11.4	17.4	19.1	3.3	4.7	5.2
<b>OREGON</b>	1,327.1	1,311.4	1,310.7	129.8	161.0	154.1	9.8	12.3	11.8
Eugene—Springfield	138.7	135.5	135.5	15.7	17.8	17.1	11.4	13.1	12.6
Portland <sup>1</sup>	652.7	651.8	652.1	49.7	66.8	65.8	7.6	10.2	10.1
Salem	123.4	122.9	123.2	11.5	13.3	13.4	9.3	10.9	10.9
<b>PENNSYLVANIA<sup>1</sup></b>	5,399.6	5,399.5	5,423.5	373.8	572.5	556.7	6.9	10.6	10.3
Allentown—Bethlehem—Easton <sup>1</sup>	307.5	307.4	307.4	20.1	32.3	30.8	6.5	10.5	10.0
Altoona	57.0	57.1	57.1	5.6	7.8	6.6	9.9	13.6	11.5
Erie	124.9	122.4	122.5	10.9	14.6	14.0	8.7	11.9	11.4
Harrisburg	233.9	234.3	234.8	11.3	15.9	14.2	4.8	6.8	6.0
Johnstown	106.3	104.8	105.2	12.7	16.4	15.9	12.0	15.6	15.1
Lancaster	182.9	182.9	184.5	8.1	14.5	13.6	4.4	7.9	7.4
Northeast Pennsylvania	284.3	285.0	285.7	24.0	33.7	32.5	8.4	11.8	11.4
Philadelphia <sup>1</sup>	2,164.2	2,162.0	2,163.8	136.4	194.4	184.2	6.3	9.0	8.5
Pittsburgh	1,021.9	1,011.8	1,023.1	63.6	104.3	108.8	6.2	10.3	10.6
Reading	156.3	158.2	158.7	10.7	16.6	16.4	6.9	10.5	10.3
Williamsport	52.9	53.1	52.7	5.4	7.0	6.2	10.3	13.1	11.7
York	176.4	177.8	179.6	11.5	17.9	18.1	6.5	10.1	10.1
<b>RHODE ISLAND</b>	477.5	473.5	470.6	36.8	48.6	46.8	7.7	10.3	9.9
Providence—Warwick—Pawtucket <sup>1</sup>	470.9	468.3	464.6	36.0	47.9	47.6	7.6	10.2	10.2
<b>SOUTH CAROLINA</b>	1,413.5	1,452.0	1,480.4	109.5	158.9	155.6	7.7	10.9	10.5
Charleston—North Charleston	170.7	175.7	179.0	12.1	15.7	14.9	7.1	8.9	8.3
Columbia	186.6	192.3	195.1	10.6	13.7	12.8	5.7	7.1	6.5
Greenville—Spartanburg	283.4	292.3	298.3	19.3	27.8	28.2	6.8	9.5	9.4
<b>SOUTH DAKOTA</b>	330.7	320.5	328.1	15.3	18.1	16.8	4.6	5.6	5.1
Sioux Falls	62.9	63.6	64.0	3.0	3.3	3.0	4.8	5.2	4.6
<b>TENNESSEE</b>	2,101.5	2,092.1	2,061.0	182.8	250.4	221.0	8.7	12.0	10.7
Chattanooga <sup>1</sup>	199.5	202.9	199.1	16.6	23.5	20.6	8.3	11.6	10.4
Knoxville	227.6	230.7	226.1	17.1	21.0	16.1	7.5	9.1	7.1
Memphis <sup>1</sup>	406.2	402.0	394.9	30.7	38.7	32.0	7.6	9.6	8.1
Nashville—Davidson	431.7	422.0	417.6	28.5	37.4	34.0	6.6	8.9	8.1

See footnotes at end of table.



**STATE AND AREA UNEMPLOYMENT DATA**

**STATE AND AREA UNEMPLOYMENT DATA**

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P	APR. 1981	MAR. 1982	APR. 1982P
<b>TEXAS<sup>1</sup></b> .....	6,999.4	7,287.6	7,251.6	298.5	412.6	428.8	4.3	5.7	5.9
Dallas—Fort Worth .....	1,644.0	1,719.6	1,712.6	62.3	88.8	90.3	3.8	5.2	5.3
Houston .....	1,643.0	1,739.6	1,725.0	54.5	85.4	86.8	3.3	4.9	5.0
San Antonio .....	455.0	466.0	464.8	24.2	28.6	31.9	5.3	6.1	6.9
<b>UTAH</b> .....	638.2	664.9	664.6	42.0	54.3	50.3	6.6	8.2	7.6
Salt Lake City—Ogden .....	418.0	435.1	433.3	27.4	33.5	31.3	6.6	7.7	7.2
<b>VERMONT</b> .....	258.7	261.6	260.8	16.1	22.4	23.4	6.2	8.6	9.0
<b>VIRGINIA</b> .....	2,588.5	2,627.7	2,621.1	155.4	207.5	188.3	6.0	7.9	7.2
Lynchburg .....	74.8	75.4	75.9	4.3	5.5	6.1	5.8	7.3	8.1
Newport News—Hampton .....	164.9	166.8	168.6	9.8	12.0	10.8	5.9	7.2	6.4
Norfolk—Virginia Beach—Portsmouth <sup>1</sup> .....	328.9	336.9	337.8	21.5	24.8	25.0	6.6	7.4	7.4
Petersburg—Colonial Heights—Hopewell .....	57.7	59.9	59.6	4.3	5.9	4.9	7.4	9.9	8.3
Richmond .....	332.5	341.0	339.1	13.4	20.0	18.9	4.0	5.9	5.6
Roanoke .....	110.1	111.0	111.1	6.6	8.2	8.2	6.0	7.4	7.4
<b>WASHINGTON</b> .....	1,984.4	1,987.6	1,987.9	181.8	249.4	247.3	9.2	12.5	12.4
Seattle—Everett .....	867.8	867.8	864.7	65.6	90.8	90.4	7.6	10.5	10.5
Spokane .....	150.6	150.8	149.1	14.1	20.2	18.2	9.3	13.4	12.2
Tacoma .....	177.1	182.5	182.0	16.6	22.3	22.0	9.4	12.2	12.1
<b>WEST VIRGINIA</b> .....	810.8	763.4	760.6	109.7	86.6	85.0	13.5	11.3	11.2
Charleston .....	128.7	123.2	122.3	12.8	10.6	10.0	9.9	8.6	8.2
Huntington—Ashland <sup>1</sup> .....	127.0	123.3	122.5	13.9	14.8	13.8	11.0	12.0	11.3
Parkersburg—Marietta <sup>1</sup> .....	74.6	73.2	72.8	6.7	9.0	8.6	8.9	12.3	11.8
Wheeling <sup>1</sup> .....	83.2	81.8	81.8	8.6	10.0	10.0	10.4	12.3	12.2
<b>WISCONSIN</b> .....	2,364.9	2,356.8	2,379.9	187.6	236.3	237.9	7.9	10.0	10.0
Appleton—Oshkosh .....	147.5	147.4	150.2	11.8	14.1	15.3	8.0	9.6	10.2
Eau Claire .....	58.4	59.0	60.0	4.4	5.7	5.5	7.6	9.6	9.2
Green Bay .....	90.0	89.5	90.2	7.7	8.2	7.5	8.6	9.2	8.3
Janeyville—Beloit .....	69.4	71.6	72.1	4.7	12.8	11.5	6.7	17.9	16.0
Kenosha .....	59.4	55.8	57.2	5.8	6.5	7.1	9.8	11.7	12.4
La Crosse .....	48.4	49.1	49.4	3.7	4.4	4.0	7.7	8.9	8.1
Madison .....	182.1	184.3	185.7	9.8	13.0	12.0	5.4	7.0	6.4
Milwaukee .....	714.7	710.8	711.6	54.0	62.3	63.9	7.6	8.8	9.0
Racine .....	86.3	83.9	84.6	8.3	9.8	13.8	9.6	11.7	16.3
<b>WYOMING</b> .....	245.8	253.0	260.3	10.0	12.3	13.2	4.1	4.9	5.1

<sup>1</sup> Includes interstate portion of area located in adjacent State.

<sup>2</sup> Data are obtained directly from the Current Population Survey. (See "Explanatory Notes" for State and Area Unemployment Data in Employment and Earnings, monthly.)

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

NOTE: Estimates for 1981 have been benchmarked to 1981 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1982 are provisional and will be revised when new benchmark information

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on inside back cover.

Labor force and unemployment 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, D.C. 20402. The report "Employment and Unemployment in States and Local Areas" is published monthly through GPO and is available on microfiche only on a subscription basis.

# STATE AND AREA UNEMPLOYMENT DATA

## 1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	AVE. 1980	AVE. 1981	AVF. 1980	AVF. 1981	AVE. 1980	AVE. 1981
<b>ALABAMA</b> .....	1,674.0	1,665.0	147.0	178.0	8.8	10.7
Birmingham .....	385.7	377.2	34.5	40.1	8.9	10.6
Huntsville .....	140.6	142.2	13.1	14.8	9.3	10.4
Mobile .....	186.9	189.1	14.1	18.1	7.5	9.6
Montgomery .....	122.8	121.3	8.7	11.1	7.1	9.2
Tuscaloosa .....	53.7	54.8	4.2	5.4	7.9	10.0
<b>ALASKA</b> .....	187.0	192.0	18.0	18.0	9.7	9.3
<b>ARIZONA</b> .....	1,238.0	1,265.0	83.0	78.0	6.7	6.1
Phoenix .....	752.9	773.4	44.6	39.5	5.9	5.1
Tucson .....	224.4	229.9	13.0	12.1	5.8	5.3
<b>ARKANSAS</b> .....	999.0	1,029.0	76.0	94.0	7.6	9.1
Fayetteville-Springdale .....	78.0	81.3	4.3	4.5	5.5	5.6
Fort Smith <sup>1</sup> .....	88.2	90.3	8.4	8.2	9.5	9.1
Little Rock—North Little Rock .....	192.1	197.9	10.6	15.2	5.5	7.7
Pine Bluff .....	40.2	41.0	2.6	4.1	6.4	10.1
<b>CALIFORNIA</b> .....	11,581.0	11,781.0	790.0	872.0	6.8	7.4
Anaheim—Santa Ana—Garden Grove .....	1,117.2	1,166.4	49.0	53.0	4.4	4.5
Bakersfield .....	185.2	194.7	14.7	17.1	7.9	8.8
Fresno .....	274.3	279.7	24.9	29.5	9.1	10.5
Los Angeles—Long Beach .....	3,793.0	3,727.0	250.0	257.0	6.6	6.9
Modesto .....	130.3	136.5	17.2	19.4	13.2	14.3
Oxnard—Simi Valley—Ventura .....	234.5	246.5	17.3	19.6	7.4	7.9
Riverside—San Bernardino—Ontario .....	586.7	606.9	45.4	51.5	7.7	8.5
Sacramento .....	477.1	494.1	38.1	43.5	8.0	8.8
Salinas—Seaside—Monterey .....	132.5	137.1	12.4	13.6	9.3	9.9
San Diego .....	774.5	797.3	51.2	56.8	6.6	7.1
San Francisco—Oakland .....	1,652.7	1,689.8	90.8	101.2	5.5	6.0
San Jose .....	758.0	788.1	39.2	49.2	5.2	6.1
Santa Barbara—Santa Maria—Lompoc .....	149.2	153.7	8.3	9.3	5.6	6.1
Santa Rosa .....	135.9	141.1	10.0	11.5	7.4	8.2
Stockton .....	165.0	172.6	17.7	20.7	10.8	12.0
Vallejo—Fairfield—Napa .....	128.9	133.7	9.7	10.9	7.6	8.2
<b>COLORADO</b> .....	1,500.0	1,529.0	88.0	84.0	5.9	5.5
Denver—Boulder .....	889.6	910.0	47.8	45.5	5.4	5.0
<b>CONNECTICUT</b> .....	1,594.0	1,589.0	94.0	98.0	5.9	6.2
Bridgeport .....	194.6	192.2	11.8	11.8	6.1	6.2
Hartford .....	384.1	384.4	19.2	21.7	5.0	5.7
New Britain .....	76.6	74.7	4.6	5.2	6.0	7.0
New Haven—West Haven .....	203.5	198.8	12.8	13.3	6.3	6.7
Stamford .....	122.4	122.5	5.0	4.8	4.1	3.9
Waterbury .....	108.6	106.6	8.6	8.2	7.9	7.7
<b>DELAWARE</b> .....	285.0	288.0	22.0	23.0	7.7	7.9
Wilmington <sup>1</sup> .....	254.0	254.7	19.5	20.1	7.7	7.9
<b>DISTRICT OF COLUMBIA</b> .....	329.0	312.0	24.0	28.0	7.3	9.0
Washington SMSA <sup>1</sup> .....	1,684.1	1,690.2	72.6	85.8	4.3	5.1
<b>FLORIDA</b> .....	4,268.0	4,513.0	251.0	308.0	5.9	6.8
Bradenton .....	61.9	64.7	3.1	4.0	5.0	6.1
Daytona Beach .....	103.2	108.9	5.7	7.1	5.6	6.5
Fort Lauderdale—Hollywood .....	456.5	482.1	21.1	25.8	4.6	5.3
Fort Myers—Cape Coral .....	86.6	94.2	4.5	5.6	5.2	5.9
Gainesville .....	75.1	78.0	3.2	3.5	4.3	4.4
Jacksonville .....	323.6	338.2	17.9	22.1	5.5	6.5
Lakeland—Winter Haven .....	138.8	148.5	13.3	17.7	9.5	11.9
Melbourne—Titusville—Cocoa .....	114.9	122.9	7.8	10.0	6.8	8.1
Miami .....	786.6	818.2	46.6	55.6	5.9	6.8
Orlando .....	344.3	366.8	19.9	24.7	5.8	6.7
Panama City .....	40.6	43.0	3.6	4.3	8.8	9.9
Pensacola .....	115.8	121.0	6.6	7.5	5.7	6.2
Sarasota .....	75.1	79.0	3.5	4.2	4.7	5.3
Tallahassee .....	84.7	84.5	3.5	3.8	4.1	4.4
Tampa—St. Petersburg .....	658.1	697.8	35.4	43.0	5.4	6.2
West Palm Beach—Boca Raton .....	250.8	272.7	14.9	18.6	5.9	6.8

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	AVF. 1980	AVF. 1981	AVF. 1980	AVE. 1981	AVE. 1980	AVE. 1981
<b>GEORGIA</b> .....	2,544.0	2,596.0	163.0	165.0	6.4	6.4
Albany.....	51.6	53.4	4.1	4.3	7.9	8.1
Atlanta.....	1,035.7	1,066.3	57.1	58.4	5.5	5.5
Augusta.....	170.6	131.2	8.7	9.4	6.7	7.2
Columbus <sup>1</sup> .....	97.5	89.5	6.7	7.4	7.7	8.3
Macon.....	104.4	106.2	6.2	6.6	6.0	6.2
Savannah.....	93.7	96.0	6.2	5.8	6.6	6.1
<b>HAWAII</b> .....	439.0	449.0	21.0	24.0	4.9	5.4
Honolulu.....	338.9	346.2	15.4	17.1	4.5	4.9
<b>IDAHO</b> .....	429.0	428.0	34.0	32.0	7.9	7.6
Boise City.....	90.4	89.2	5.7	5.4	6.3	6.1
<b>ILLINOIS</b> .....	5,530.0	5,577.0	459.0	474.0	8.3	8.5
Bloomington—Normal.....	61.0	67.1	3.8	3.8	6.2	6.1
Champaign—Urbana—Rantoul.....	85.2	85.1	4.8	5.0	5.6	5.9
Chicago.....	3,468.2	3,499.0	267.7	283.4	7.7	8.1
Davenport—Rock Island—Moline <sup>1</sup> .....	188.0	188.6	13.1	16.3	6.9	8.6
Decatur.....	61.8	62.2	7.2	6.9	11.7	11.2
Kankakee.....	47.4	41.5	4.0	5.1	11.5	12.3
Peoria.....	176.6	174.6	14.6	14.7	8.2	8.4
Rockford.....	137.8	135.9	14.1	13.7	10.2	10.1
Springfield.....	98.6	98.7	7.4	6.6	7.5	6.7
<b>INDIANA</b> .....	2,631.0	2,617.0	252.0	263.0	9.6	10.1
Anderson.....	59.1	56.2	9.5	7.0	16.0	12.5
Elkhart.....	68.9	66.9	7.9	6.4	11.5	9.6
Evansville <sup>1</sup> .....	N.A.	148.0	N.A.	12.7	N.A.	8.6
Fort Wayne.....	196.3	193.6	19.4	19.9	9.9	10.3
Gary—Hammond—East Chicago.....	290.4	294.8	33.4	33.8	11.2	11.5
Indianapolis.....	604.2	611.3	44.7	51.4	7.4	8.4
Lafayette—West Lafayette.....	62.0	62.8	3.9	4.4	6.4	7.0
Muncie.....	57.6	57.6	6.3	7.0	11.0	12.2
South Bend.....	149.4	136.6	13.1	12.8	9.4	9.3
Terre Haute.....	82.8	80.1	6.6	8.0	8.0	10.0
<b>IOWA</b> .....	1,431.0	1,418.0	92.0	98.0	5.8	6.9
Cedar Rapids.....	89.5	87.0	5.8	7.1	6.5	8.1
Des Moines.....	184.4	181.7	10.2	12.6	5.5	6.9
Dubuque.....	45.6	44.7	3.0	4.8	8.5	10.8
Sioux City <sup>1</sup> .....	53.8	54.5	3.4	4.1	6.3	7.5
Waterloo—Cedar Falls.....	69.4	68.3	4.9	5.5	7.0	8.0
<b>KANSAS</b> .....	1,185.0	1,188.0	53.0	50.0	4.5	4.2
Lawrence.....	34.8	34.7	1.6	1.6	4.6	4.6
Topeka.....	95.8	95.5	5.2	5.3	5.5	5.5
Wichita.....	225.4	228.1	9.5	9.4	4.2	4.1
<b>KENTUCKY</b> .....	1,663.0	1,662.0	133.0	140.0	8.0	8.4
Lexington—Fayette.....	N.A.	178.8	N.A.	8.9	N.A.	5.0
Louisville <sup>1</sup> .....	N.A.	434.0	N.A.	39.0	N.A.	9.0
Owensboro.....	N.A.	43.6	N.A.	3.3	N.A.	7.5
<b>LOUISIANA</b> .....	1,789.0	1,857.0	121.0	156.0	6.7	8.4
Alexandria.....	71.8	73.3	6.5	8.1	9.1	11.0
Baton Rouge.....	222.9	227.6	13.4	17.9	6.0	7.9
Lafayette.....	82.0	91.2	3.2	4.0	3.9	4.4
Lake Charles.....	77.9	81.6	5.3	7.2	6.9	8.8
Monroe.....	56.3	57.1	4.9	6.0	8.6	10.5
New Orleans.....	501.5	514.8	30.2	40.3	6.0	7.8
Shreveport.....	160.2	163.9	11.4	13.6	7.1	8.3
<b>MAINE</b> .....	507.0	509.0	39.0	37.0	7.8	7.2
Lewiston—Auburn.....	39.8	38.3	3.0	3.0	7.8	7.7
Portland.....	90.4	91.6	5.2	5.2	5.8	5.6
<b>MARYLAND</b> .....	2,155.0	2,164.0	141.0	157.0	6.5	7.3
Baltimore.....	1,076.4	1,077.4	80.7	89.3	7.5	8.3

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	AVG. 1980	AVG. 1981	AVG. 1980	AVG. 1981	AVG. 1980	AVG. 1981
<b>MASSACHUSETTS</b> .....	2,874.0	2,961.0	162.0	188.0	5.6	6.4
Boston .....	1,304.8	1,434.8	69.7	92.1	5.0	5.7
Brockton .....	79.3	82.6	5.5	6.5	6.9	7.9
Fall River <sup>1</sup> .....	72.5	74.3	5.0	6.3	6.1	8.4
Lawrence—Haverhill <sup>1</sup> .....	140.4	147.7	8.4	9.6	6.0	6.5
Lowell .....	121.8	128.8	6.8	7.9	5.6	6.1
New Bedford .....	83.6	86.2	6.8	7.6	8.1	8.8
Springfield—Chicopee—Holyoke .....	273.7	280.0	14.8	17.7	5.4	6.3
Worcester .....	196.3	200.4	9.9	11.9	5.0	5.9
<b>MICHIGAN</b> .....	4,290.0	4,301.0	534.0	528.0	12.4	12.3
Ann Arbor .....	144.5	143.4	11.7	12.3	8.1	8.6
Battle Creek .....	80.3	79.9	9.2	8.8	11.5	11.1
Bay City .....	54.1	53.3	8.0	6.6	14.8	12.4
Detroit .....	2,015.1	1,995.5	263.1	258.0	13.1	12.9
Flint .....	276.8	226.6	40.0	34.3	17.6	15.1
Grand Rapids .....	311.2	323.0	25.9	29.5	8.3	9.1
Jackson .....	67.3	66.5	7.6	7.6	11.4	11.5
Kalamazoo—Portage .....	135.5	138.6	11.3	12.1	8.3	8.7
Lansing—East Lansing .....	236.6	245.8	24.6	26.6	10.4	10.8
Muskegon—Norton Shores—Muskegon Heights .....	78.4	78.1	10.4	10.5	13.3	13.4
Saginaw .....	102.5	101.6	14.6	12.4	14.2	12.2
<b>MINNESOTA</b> .....	2,108.0	2,143.0	125.0	118.0	5.9	5.5
Duluth—Superior <sup>1</sup> .....	116.7	113.7	10.5	9.3	9.0	8.2
Minneapolis—St. Paul .....	1,127.9	1,153.2	51.8	52.2	4.6	4.5
Rochester .....	54.6	57.1	2.6	2.5	4.8	4.4
St. Cloud .....	73.1	74.7	5.8	5.4	7.9	7.2
<b>MISSISSIPPI</b> .....	1,060.0	1,052.0	80.0	88.0	7.5	8.3
Jackson .....	158.1	159.6	8.1	9.7	5.1	6.1
<b>MISSOURI</b> .....	2,310.0	2,317.0	167.0	178.0	7.2	7.7
Kansas City <sup>1</sup> .....	683.3	685.7	44.3	46.5	6.5	6.8
St. Joseph .....	44.7	44.7	3.4	3.9	7.5	8.7
St. Louis <sup>1</sup> .....	1,111.6	1,117.4	90.8	95.0	8.2	8.5
Springfield .....	104.5	107.2	6.0	6.4	5.7	6.0
<b>MONTANA</b> .....	369.0	382.0	22.0	26.0	6.1	6.9
Billings .....	55.3	57.7	2.6	2.8	4.7	4.9
Great Falls .....	33.5	34.2	2.4	2.7	7.0	7.8
<b>NEBRASKA</b> .....	763.0	773.0	31.0	32.0	4.1	4.1
Lincoln .....	109.0	110.5	3.7	4.3	3.4	3.9
Omaha <sup>1</sup> .....	275.6	281.1	14.7	15.6	5.3	5.6
<b>NEVADA</b> .....	430.0	443.0	27.0	33.0	6.2	7.1
Las Vegas .....	238.6	258.4	17.1	21.0	7.2	8.1
Reno .....	121.2	127.2	5.8	6.9	4.7	5.4
<b>NEW HAMPSHIRE</b> .....	472.0	480.0	22.0	24.0	4.7	5.0
Manchester .....	82.3	83.9	4.2	4.7	5.1	5.6
Nashua .....	78.0	82.6	3.4	3.8	4.4	4.6
<b>NEW JERSEY</b> .....	3,581.0	3,578.0	259.0	262.0	7.2	7.3
Atlantic City .....	103.2	114.7	8.6	9.6	8.3	8.3
Jersey City .....	248.2	243.6	25.3	26.8	10.2	11.0
Long Branch—Asbury Park .....	234.4	241.1	16.8	16.9	7.2	7.1
New Brunswick—Perth Amboy—Sayreville .....	332.5	330.0	20.9	20.7	6.3	6.3
Newark .....	968.9	962.7	69.3	68.7	7.2	7.1
Paterson—Clifton—Passaic .....	210.9	208.5	19.2	18.5	9.1	8.9
Trenton .....	159.0	158.0	10.0	9.2	6.3	5.8
Vineland—Millville—Bridgeton .....	59.6	59.2	6.6	7.5	11.0	12.7
<b>NEW MEXICO</b> .....	560.0	575.0	42.0	42.0	7.5	7.3
Albuquerque .....	209.6	212.0	16.3	15.8	7.8	7.4
Las Cruces .....	34.3	35.4	2.8	2.8	8.2	7.8

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	AVG. 1980	AVG. 1981	AVG. 1980	AVG. 1981	AVG. 1980	AVG. 1981
<b>NEW YORK</b> .....	7,973.0	8,016.0	597.0	612.0	7.5	7.6
Albany—Schenectady—Troy .....	377.3	378.9	21.9	23.1	5.8	6.1
Binghamton <sup>1</sup> .....	139.2	139.6	9.0	9.2	6.5	6.6
Buffalo .....	571.8	565.8	55.3	54.1	9.7	9.6
Elmira .....	39.8	39.6	3.1	3.1	7.7	7.8
Nassau-Suffolk .....	1,290.6	1,318.6	77.1	78.2	6.0	5.9
New York .....	3,646.6	3,456.2	290.1	302.6	8.0	8.3
New York City .....	3,040.0	3,039.0	262.0	273.0	8.6	9.0
Poughkeepsie .....	107.8	111.0	5.7	6.3	5.3	5.7
Rochester .....	468.5	474.6	28.2	28.4	6.0	6.0
Syracuse .....	307.4	301.6	27.2	21.1	7.3	7.0
Utica—Rome .....	136.5	135.5	10.1	10.3	7.4	7.6
<b>NORTH CAROLINA</b> .....	2,856.0	2,916.0	187.0	188.0	6.6	6.4
Asheville .....	86.8	89.5	5.1	5.9	5.9	6.6
Charlotte—Gastonia .....	362.3	372.5	17.4	18.3	4.9	4.9
Greensboro—Winston-Salem—High Point .....	433.1	445.6	25.7	25.1	5.9	5.6
Raleigh—Durham .....	304.5	311.1	13.6	11.1	4.5	3.6
<b>NORTH DAKOTA</b> .....	303.0	309.0	15.0	16.0	5.0	5.0
Fargo—Moorehead <sup>1</sup> .....	70.0	71.1	3.8	4.0	5.5	5.6
<b>OHIO</b> .....	5,086.0	5,085.0	426.0	490.0	8.4	9.6
Akron .....	303.9	301.8	25.7	28.6	8.5	9.5
Canton .....	187.7	188.1	16.8	18.0	9.0	9.6
Cincinnati <sup>1</sup> .....	N.A.	678.7	N.A.	50.5	N.A.	8.8
Cleveland .....	937.1	929.2	68.2	78.4	7.3	8.4
Columbus .....	554.7	562.5	31.5	43.8	5.7	7.8
Dayton .....	399.2	389.8	29.3	32.4	7.5	8.3
Toledo <sup>1</sup> .....	367.7	366.9	38.0	39.6	10.3	10.8
Youngstown—Warren .....	238.4	233.1	28.0	27.7	11.7	11.9
<b>OKLAHOMA</b> .....	1,369.0	1,442.0	66.0	52.0	4.8	3.6
Enid .....	78.1	30.1	1.0	.8	3.4	2.7
Lawton .....	33.8	34.4	2.1	1.5	6.3	4.4
Oklahoma City .....	417.6	446.1	18.5	14.8	4.4	3.3
Tulsa .....	336.9	356.8	15.1	12.4	4.5	3.5
<b>OREGON</b> .....	1,296.0	1,330.0	107.0	131.0	8.3	9.9
Eugene—Springfield .....	135.3	138.6	13.2	15.8	9.8	11.4
Portland <sup>1</sup> .....	635.6	653.1	39.9	52.5	6.3	8.0
Salem .....	122.7	125.2	9.4	10.8	7.7	8.6
<b>PENNSYLVANIA</b> .....	5,434.0	5,476.0	425.0	458.0	7.8	8.4
Allentown—Bethlehem—Easton <sup>1</sup> .....	308.2	313.5	21.4	26.1	7.0	8.3
Altoona .....	57.9	59.5	5.8	7.0	10.0	11.9
Erie .....	126.4	125.7	11.8	12.4	9.3	9.9
Harrisburg .....	231.6	236.3	13.0	14.1	5.6	6.0
Johnstown .....	108.9	107.4	13.2	13.9	12.1	12.9
Lancaster .....	187.5	184.2	9.8	10.2	5.4	5.6
Northeast Pennsylvania .....	287.0	289.0	28.8	29.3	10.0	10.1
Philadelphia <sup>1</sup> .....	2,158.0	2,184.9	148.4	164.7	6.9	7.5
Pittsburgh .....	1,035.8	1,035.8	74.6	76.4	7.2	7.4
Reading .....	156.6	159.3	11.8	12.9	7.5	8.1
Williamsport .....	53.7	53.9	6.5	6.5	12.1	12.1
York .....	178.1	179.8	12.3	14.1	6.9	7.9
<b>RHODE ISLAND</b> .....	473.0	478.0	34.0	36.0	7.2	7.6
Providence—Warwick—Pawtucket <sup>1</sup> .....	467.9	479.2	34.0	35.7	7.3	7.6
<b>SOUTH CAROLINA</b> .....	1,387.0	1,417.0	96.0	119.0	6.9	8.4
Charleston—North Charleston .....	165.7	171.3	11.2	13.3	6.8	7.8
Columbia .....	193.7	197.2	8.5	11.5	4.6	6.1
Greenville—Spartanburg .....	279.1	284.6	15.7	21.1	5.6	7.4
<b>SOUTH DAKOTA</b> .....	334.0	333.0	16.0	17.0	4.9	5.1
Rapid City .....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sioux Falls .....	N.A.	62.9	N.A.	3.3	N.A.	5.2
<b>TENNESSEE</b> .....	2,082.0	2,110.0	152.0	192.0	7.3	9.1
Chattanooga <sup>1</sup> .....	197.0	199.0	13.5	16.8	6.8	8.4
Knoxville .....	216.8	226.9	12.4	16.9	5.7	7.5
Memphis <sup>1</sup> .....	402.3	408.4	25.0	34.1	6.2	8.3
Nashville—Davidson .....	429.4	432.0	24.4	29.4	5.7	6.8

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

## 1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force		Unemployment			
			Number		Percent of labor force	
	AVG. 1980	AVG. 1981	AVG. 1980	AVG. 1981	AVG. 1980	AVG. 1981
<b>TEXAS</b> .....	6,742.0	7,075.0	352.0	373.0	5.2	5.3
Abilene .....	70.6	75.4	2.4	2.7	3.4	3.6
Amarillo .....	90.4	92.7	3.8	4.2	4.2	4.5
Austin .....	266.9	283.0	9.9	9.8	3.7	3.5
Beaumont—Port Arthur—Orange .....	176.1	179.4	12.2	12.3	6.9	6.9
Corpus Christi .....	149.3	155.1	9.0	9.2	6.0	6.0
Dallas—Fort Worth .....	1,584.1	1,659.6	71.6	78.7	4.5	4.7
El Paso .....	180.9	187.5	16.6	17.2	9.2	9.2
Galveston—Texas City .....	85.9	87.5	5.6	6.3	6.5	7.2
Houston .....	1,563.3	1,670.6	65.8	72.5	4.2	4.3
Longview—Marshall .....	71.7	74.4	4.7	4.4	6.6	5.9
Lubbock .....	104.6	105.7	4.5	4.7	4.3	4.5
Midland .....	52.1	60.5	2.2	3.2	4.3	5.3
Odessa .....	64.4	71.8	2.5	3.0	3.9	4.2
San Angelo .....	44.3	46.7	1.7	1.9	3.8	4.0
San Antonio .....	443.8	459.5	29.2	30.2	6.6	6.6
Sherman—Denison .....	41.4	42.2	2.6	2.9	6.3	7.0
Waco .....	82.9	83.4	4.4	4.9	5.4	4.8
Wichita Falls .....	63.5	66.3	2.5	2.6	4.0	4.0
<b>UTAH</b> .....	635.0	646.0	40.0	43.0	6.3	6.7
Salt Lake City—Ogden .....	416.8	424.1	25.1	28.0	6.0	6.6
<b>VERMONT</b> .....	253.0	260.0	16.0	15.0	6.4	5.7
<b>VIRGINIA</b> .....	2,560.0	2,600.0	122.0	152.0	5.0	6.1
Lynchburg .....	74.5	75.0	3.8	4.5	5.1	6.0
Newport News—Hampton .....	162.0	166.3	8.7	10.5	5.4	6.3
Norfolk—Virginia Beach—Portsmouth <sup>1</sup> .....	327.1	334.0	18.7	22.0	5.7	6.6
Petersburg—Colonial Heights—Hopewell .....	58.8	58.0	3.7	4.5	6.2	7.8
Richmond .....	329.1	333.1	11.6	14.4	3.5	4.3
Roanoke .....	110.7	110.5	5.1	6.8	4.6	6.2
<b>WASHINGTON</b> .....	1,983.0	1,987.0	156.0	189.0	7.9	9.5
Seattle—Everett .....	866.4	868.4	54.8	69.3	6.3	8.0
Spokane .....	151.4	149.8	12.2	14.9	8.1	9.9
Tacoma .....	178.6	177.6	14.2	17.4	7.9	9.8
<b>WEST VIRGINIA</b> .....	789.0	786.0	74.0	84.0	9.4	10.7
Charleston .....	129.5	126.7	9.9	10.9	7.7	8.6
Huntington—Ashland <sup>1</sup> .....	N.A.	126.7	N.A.	13.4	N.A.	10.6
Parkersburg—Martetta <sup>1</sup> .....	73.9	73.7	6.7	6.9	9.0	9.4
Wheeling <sup>1</sup> .....	84.0	92.6	8.0	8.1	9.5	9.8
<b>WISCONSIN</b> .....	2,340.0	2,371.0	167.0	185.0	7.2	7.8
Appleton—Oshkosh .....	145.9	147.8	10.4	11.1	7.1	7.5
Eau Claire .....	56.2	58.0	4.3	4.3	7.6	7.5
Green Bay .....	86.9	90.5	5.9	7.2	6.8	8.0
Janeville—Beloit .....	68.6	70.1	9.1	7.4	13.2	10.5
Kenosha .....	60.6	58.6	4.9	6.2	8.2	10.5
LaCrosse .....	46.5	48.6	2.6	3.5	5.7	7.1
Madison .....	177.8	183.3	8.6	9.8	4.8	5.4
Milwaukee .....	710.0	717.0	44.7	52.8	6.3	7.4
Racine .....	86.3	86.1	7.1	8.1	8.3	9.4
<b>WYOMING</b> .....	235.0	250.0	9.0	10.0	4.0	4.1

<sup>1</sup> Includes interstate portion of area located in adjacent State.

statewide totals. See "Explanatory Notes" for State and Area Unemployment Data for a description of the estimating methods.  
N.A. = not available.

NOTE: Annual Average State data are obtained directly from the Current Population Survey. Estimates for sub-state areas, except New York City and Los Angeles-Long Beach, are based on administrative statistics adjusted to the

SOURCE: Current Population Survey and Cooperating State Employment Security Agencies listed on the inside back cover.

## Area Definitions

### ALABAMA

Birmingham.....Jefferson, St. Clair, Shelby, and Walker Counties  
 Huntsville.....Limestone, Madison, and Marshall Counties  
 Mobile.....Baldwin and Mobile Counties  
 Montgomery.....Autauga, Elmore, and Montgomery Counties  
 Tuscaloosa.....Tuscaloosa County

### ARIZONA

Phoenix.....Maricopa County  
 Tucson.....Pima County

### ARKANSAS

Fayetteville-  
 Springdale.....Benton and Washington Counties  
 Fort Smith.....Crawford and Sebastian Counties, Ark.; Le Flore and Sequoyah Counties, Okla.  
 Little Rock-  
 N. Little Rock.....Pulaski and Saline Counties  
 Pine Bluff.....Jefferson County

### CALIFORNIA

Anaheim-Santa Ana-  
 Garden Grove.....Orange County  
 Bakersfield.....Kern County  
 Fresno.....Fresno County  
 Los Angeles-  
 Long Beach.....Los Angeles County  
 Modesto.....Stanislaus County  
 Oxnard-Simi  
 Valley-Ventura.....Ventura County  
 Riverside-San Bernardino-Ontario..Riverside and San Bernardino Counties  
 Sacramento.....Placer, Sacramento, and Yolo Counties  
 Salinas-Seaside-  
 Monterey.....Monterey County  
 San Diego.....San Diego County  
 San Francisco-  
 Oakland.....Alameda, Contra Costa, Marin, San Francisco, and San Mateo Counties  
 San Jose.....Santa Clara County  
 Santa Barbara-Santa Maria-Lompoc.....Santa Barbara County  
 Santa Rosa.....Sonoma County  
 Stockton.....San Joaquin County  
 Vallejo-Fairfield-  
 Napa.....Napa and Solano Counties

### COLORADO

Denver-Boulder.....Adams, Arapahoe, Boulder, Clear Creek, Denver, Douglas, Gilpin, and Jefferson Counties

### CONNECTICUT

Bridgeport.....Bridgeport and Shelton cities, and Easton, Fairfield, Monroe, Stratford, and Trumbull towns in Fairfield County; Derby and Milford cities in New Haven County  
 Hartford.....Hartford city, and Avon, Bloomfield, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Marlborough, Newington, Rocky Hill, Simsbury, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Colchester town in New London County; Andover, Bolton, Columbia, Coventry, Ellington, Hebron, Somers, Stafford, Tolland, Vernon, and Willington towns in Tolland County  
 New Britain.....New Britain city, and Berlin, Plainville, and Southington towns in Hartford County  
 New Haven-  
 West Haven.....New Haven and West Haven cities, and Bethany, Branford, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, Wallingford, and Woodbridge towns in New Haven County; Clinton town in Middlesex County

### CONNECTICUT--Continued

Stamford.....Stamford city, and Darien, Greenwich, and New Canaan towns in Fairfield County  
 Waterbury.....Waterbury city, Naugatuck borough, and Beacon Falls, Cheshire, Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County; Bethlehem, Thomaston, Watertown, and Woodbury towns in Litchfield County

### DELAWARE

Wilmington.....New Castle County, Del.; Cecil County, Md.; Salem County, N.J.

### DISTRICT OF COLUMBIA

Washington SMSA.....District of Columbia; Charles, Montgomery, and Prince Georges Counties, Md.; Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Va.

### FLORIDA

Bradenton.....Manatee County  
 Daytona Beach.....Volusia County  
 Fort Lauderdale-  
 Hollywood.....Broward County  
 Fort Myers-  
 Cape Coral.....Lee County  
 Gainesville.....Alachua County  
 Jacksonville.....Baker, Clay, Duval, Nassau, and St. Johns Counties  
 Lakeland-  
 Winter Haven.....Polk County  
 Melbourne-Titusville-  
 Cocoa.....Brevard County  
 Miami.....Dade County  
 Orlando.....Orange, Osceola, and Seminole Counties  
 Panama City.....Bay County  
 Pensacola.....Escambia and Santa Rosa Counties  
 Sarasota.....Sarasota County  
 Tallahassee.....Leon and Wakulla Counties  
 Tampa-  
 St. Petersburg.....Hillsborough, Pasco, and Pinellas Counties  
 West Palm Beach-  
 Boca Raton.....Palm Beach County

### GEORGIA

Albany.....Dougherty and Lee Counties  
 Atlanta.....Butts, Cherokee, Clayton, Cobb, De Kalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Rockdale, and Walton Counties  
 Augusta.....Columbia and Richmond Counties, Ga.; Aiken County, S.C.  
 Columbus.....Columbus (consolidated government), and Chattahoochee County, Ga.; Russell County, Ala.  
 Macon.....Bibb, Houston, Jones, and Twiggs Counties  
 Savannah.....Bryan, Chatham, and Effingham Counties

### HAWAII

Honolulu.....Honolulu County

### IDAHO

Boise City.....Ada County

### ILLINOIS

Bloomington-Normal...McLean County  
 Champaign-Urbana-  
 Rantoul.....Champaign County  
 Chicago-Gary.....A Standard Consolidated Statistical Area comprised of Chicago, Ill. SMSA and Gary-Hammond-East Chicago, Ind. SMSA  
 Chicago SMSA.....Cook, Du Page, Kane, Lake, McHenry, and Will Counties  
 Davenport-Rock Island-Moline.....Henry and Rock Island Counties, Ill.; Scott County, Iowa  
 Decatur.....Macon County  
 Kankakee.....Kankakee County

## Area Definitions—Continued

### ILLINOIS--Continued

Peoria.....Peoria, Tazewell, and Woodford Counties  
 Rockford.....Boone and Winnebago Counties  
 Springfield.....Menard and Sangamon Counties

**INDIANA**  
 Anderson.....Madison County  
 Elkhart.....Elkhart County  
 Evansville.....Gibson, Posey, Vanderburgh, and Warrick Counties, Ind.; Henderson County, Ky.  
 Fort Wayne.....Adams, Allen, DeKalb, and Wells Counties  
 Gary-Hammond-  
   East Chicago.....Lake and Porter Counties  
 Indianapolis.....Boone, Hamilton, Hancock, Hendricks, Johnson, Marion, Morgan, and Shelby Counties  
 Lafayette-  
   West Lafayette.....Tippecanoe County  
 Muncie.....Delaware County  
 South Bend.....Marshall and St. Joseph Counties  
 Terre Haute.....Clay, Sullivan, Vermillion, and Vigo Counties

### IOWA

Cedar Rapids.....Linn County  
 Des Moines.....Polk and Warren Counties  
 Dubuque.....Dubuque County  
 Sioux City.....Woodbury County, Iowa; Dakota County, Neb.  
 Waterloo-Cedar  
   Falls.....Black Hawk County

### KANSAS

Lawrence.....Douglas County  
 Topeka.....Jefferson, Osage, and Shawnee Counties  
 Wichita.....Butler and Sedgwick Counties

### KENTUCKY

Lexington-Fayette....Bourbon, Clark, Fayette, Jessamine, Scott, and Woodford Counties  
 Louisville.....Bullitt, Jefferson, and Oldham Counties, Ky.; Clark and Floyd Counties, Ind.  
 Owensboro.....Davies County

### LOUISIANA

Alexandria.....Avoyelles, Grant, and Rapides Parishes  
 Baton Rouge.....Ascension, East Baton Rouge, Livingston, and West Baton Rouge Parishes  
 Lafayette.....Lafayette Parish  
 Lake Charles.....Calcasieu Parish  
 Monroe.....Ouachita Parish  
 New Orleans.....Jefferson, Orleans, St. Bernard, and St. Tammany Parishes  
 Shreveport.....Bossier, Caddo, and Webster Parishes

### MAINE

Lewiston-Auburn.....Auburn and Lewiston cities, and Lisbon town in Androscoggin County  
 Portland.....Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Cumberland, Falmouth, Freeport, Gorham, Scarborough, Windham, and Yarmouth towns in Cumberland County; Saco city, and Old Orchard Beach town in York County

### MARYLAND

Baltimore SMSA.....Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, and Howard Counties  
 Baltimore City.....Baltimore City

### MASSACHUSETTS

Boston.....Suffolk County; Cambridge, Everett, Malden, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Acton, Arlington, Ashland, Bedford, Belmont, Boxborough, Burlington, Carlisle, Concord,

### MASSACHUSETTS--Continued

Framingham, Holliston, Lexington, Lincoln, Mattick, North Reading, Reading, Sherborn, Stoneham, Sudbury, Wakefield, Watertown, Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Beverly, Lynn, Peabody, and Salem cities, and Boxford, Danvers, Hamilton, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County; Quincy city, and Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Randolph, Sharon, Stoughton, Walpole, Wellesley, Westwood, Weymouth, and Wrentham towns in Norfolk County; Abington, Duxbury, Hanover, Hanson, Hingham, Hull, Kingston, Marshfield, Norwell, Pembroke, Rockland, and Scituate towns in Plymouth County  
 Brockton.....Brockton city, and Bridgewater, East Bridgewater, Halifax, West Bridgewater, and Whitman towns in Plymouth County; Easton town in Bristol County; Avon town in Norfolk County  
 Fall River.....Fall River city, and Dighton, Somerset, Swansea, and Westport towns in Bristol County, Mass.; Little Compton and Tiverton towns in Newport County, R. I.  
 Lawrence-Haverhill...Lawrence and Haverhill cities, and Amesbury, Andover, Georgetown, Groveland, Merrimac, Methuen, North Andover, Salisbury, and West Newbury towns in Essex County, Mass.; Atkinson, Hampstead, Kingston, Newton, Plaistow, Salem, and Windham towns in Rockingham County, N.H.  
 Lowell.....Lowell city, and Billerica, Chelmsford, Dracut, Dunstable, Trewksbury, Tyngsborough, and Westford towns in Middlesex County  
 New Bedford.....New Bedford city, and Acushnet, Dartmouth, Fairhaven, and Free-town towns in Bristol County; Lakeville, Marion, Mattapoisett, and Rochester towns in Plymouth County  
 Springfield-  
   Chicopee-Holyoke....Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, Brimfield, East Longmeadow, Granville, Hampden, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, Wales, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Amherst, Belchertown, Chesterfield, Easthampton, Granby, Hadley, Hatfield, Pelham, South Hadley, Southampton, Westhampton, and Williamsburg towns in Hampshire County; Warren town in Worcester County  
 Worcester.....Worcester city, and Auburn, Berlin, Boylston, Brookfield, Charlton, Douglas, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oxford, Paxton, Rutland, Shrewsbury, Spencer, Sterling, Sutton, Upton, Uxbridge, Webster, Westborough, and West Boylston towns in Worcester County

### MICHIGAN

Ann Arbor.....Washtenaw County  
 Battle Creek.....Barry and Calhoun Counties



## Area Definitions—Continued

### MICHIGAN--Continued

Bay City.....Bay County  
 Benton Harbor.....Berrien County  
 Detroit.....Lapeer, Livingston, Macomb,  
                     Oakland, St. Clair, and Wayne  
                     Counties  
 Flint.....Genesee and Shiawassee Counties  
 Grand Rapids.....Kent and Ottawa Counties  
 Jackson.....Jackson County  
 Kalamazoo-Portage.....Kalamazoo and Van Buren Counties  
 Lansing-East  
 Lansing.....Clinton, Eaton, Ingham, and Ionia  
                     Counties  
 Muskegon-Norton  
 Shores-Muskegon  
 Heights.....Muskegon and Oceana Counties  
 Saginaw.....Saginaw County

### MINNESOTA

Duluth-Superior.....Duluth city, Minn.; Douglas  
                     County, Wisc.  
 Minneapolis-  
 St. Paul.....Anoka, Carver, Chisago, Dakota,  
                     Hennepin, Ramsey, Scott, Washing-  
                     ton, and Wright Counties  
 Rochester.....Olmsted County  
 St. Cloud.....Benton, Sherburne, and Stearns  
                     Counties

### MISSISSIPPI

Jackson.....Hinds and Rankin Counties

### MISSOURI

Kansas City.....Cass, Clay, Jackson, Platte, and  
                     Ray Counties, Mo.; Johnson and  
                     Wyandotte Counties, Kans.  
 St. Joseph.....Andrew and Buchanan Counties  
 St. Louis.....St. Louis city, and Franklin,  
                     Jefferson, St. Charles, and  
                     St. Louis Counties, Mo.; Clinton,  
                     Madison, Monroe, and St. Clair  
                     Counties, Ill.  
 Springfield.....Christian and Greene Counties

### MONTANA

Billings.....Yellowstone County  
 Great Falls.....Cascade County

### NEBRASKA

Lincoln.....Lancaster County  
 Omaha.....Douglas and Sarpy Counties, Nebr.;  
                     Pottawattamie County, Iowa

### NEVADA

Las Vegas.....Clark County; Beatty Township in  
                     Nye County  
 Reno.....Washoe County

### NEW HAMPSHIRE

Manchester.....Manchester city, and Bedford,  
                     Goffstown, New Boston, and Weare  
                     towns in Hillsboro County;  
                     Hooksett town in Merrimack County;  
                     Auburn, Candia, Chester, Derry,  
                     Londonderry, and Raymond towns in  
                     Rockingham County  
 Nashua.....Nashua city, and Amherst, Brook-  
                     line, Greenville, Hollis, Hudson,  
                     Litchfield, Lyndeboro, Mason,  
                     Merrimack, Milford, Mount Vernon,  
                     New Ipswich, Pelham, Temple, and  
                     Wilton towns in Hillsboro County

### NEW JERSEY

Atlantic City.....Atlantic County  
 Camden.....Burlington, Camden, and Gloucester  
                     Counties  
 Hackensack.....Bergen County  
 Jersey City.....Hudson County  
 Long Branch-  
 Asbury Park.....Monmouth County  
 New Brunswick-Perth  
 Amboy-Sayreville.....Middlesex County  
 Newark.....Essex, Morris, Somerset, and Union  
                     Counties  
 Paterson-Clifton-  
 Passaic.....Passaic County  
 Trenton.....Mercer County  
 Vineland-Millville-  
 Bridgeton.....Cumberland County

### NEW MEXICO

Albuquerque.....Bernalillo and Sandoval Counties  
 Las Cruces.....Dona Ana County

### NEW YORK

Albany-Schenectady-  
 Troy.....Albany, Montgomery, Rensselaer,  
                     Saratoga, and Schenectady Counties  
 Binghamton.....Broome and Tioga Counties, N. Y.;  
                     Susquehanna County, Pa.  
 Buffalo.....Erie and Niagara Counties  
 Elmira.....Chemung County  
 Monroe County.....Monroe County  
 Nassau-Suffolk.....Nassau and Suffolk Counties  
 New York-  
 Northeastern  
 New Jersey.....A consolidated area comprised of  
                     New York, N. Y. SMSA; Nassau-  
                     Suffolk, N. Y. SMSA; Newark, N. J.  
                     SMSA; New Brunswick-Perth Amboy-  
                     Sayreville, N. J. SMSA; Jersey  
                     City, N. J. SMSA; Paterson-  
                     Clifton-Passaic, N. J. SMSA; and  
                     the Hackensack, N. J. area  
 New York and Nassau-  
 Suffolk.....New York City, and Nassau, Putnam,  
                     Rockland, Suffolk, and Westchester  
                     Counties  
 New York SMSA.....New York City, and Putnam, Rockland  
                     and Westchester Counties  
 New York City.....Bronx, Kings, New York, Queens, and  
                     Richmond Counties  
 Poughkeepsie.....Dutchess County  
 Rochester.....Livingston, Monroe, Ontario,  
                     Orleans, and Wayne Counties  
 Rockland County.....Rockland County  
 Syracuse.....Madison, Onondaga, and Oswego  
                     Counties  
 Utica-Rome.....Herkimer and Oneida Counties  
 Westchester County...Westchester County

### NORTH CAROLINA

Asheville.....Buncombe and Madison Counties  
 Charlotte-Gastonia...Gaston, Mecklenburg, and Union  
                     Counties  
 Greensboro--Winston-  
 Salem--High Point...Davidson, Forsyth, Guilford, Ran-  
                     dolph, Stokes, and Yadkin Counties  
 Raleigh-Durham.....Durham, Orange, and Wake Counties

### NORTH DAKOTA

Fargo-Moorhead.....Cass County, N. D.; Clay County,  
                     Minn.

### OHIO

Akron.....Portage and Summit Counties  
 Canton.....Carroll and Stark Counties  
 Cincinnati.....Clermont, Hamilton, and Warren  
                     Counties, Ohio; Boone, Campbell,  
                     and Kenton Counties, Ky.; Dear-  
                     born County, Ind.  
 Cleveland.....Cuyahoga, Geauga, Lake, and Medina  
                     Counties  
 Columbus.....Delaware, Fairfield, Franklin,  
                     Madison, and Pickaway Counties  
 Dayton.....Greene, Miami, Montgomery, and  
                     Preble Counties  
 Toledo.....Fulton, Lucas, Ottawa, and Wood  
                     Counties, Ohio; Monroe County,  
                     Mich.  
 Youngstown-Warren...Mahoning and Trumbull Counties

### OKLAHOMA

Enid.....Garfield County  
 Lawton.....Comanche County  
 Oklahoma City.....Canadian, Cleveland, McClain,  
                     Oklahoma, and Pottawatomie  
                     Counties  
 Tulsa.....Creek, Mayes, Osage, Rogers,  
                     Tulsa, and Wagoner Counties

### OREGON

Eugene-Springfield...Lane County  
 Jackson County.....Jackson County  
 Portland.....Clackamas, Multnomah, and Washing-  
                     ton Counties, Oreg.; Clark County,  
                     Wash.  
 Salem.....Marion and Polk Counties

## Area Definitions—Continued

### PENNSYLVANIA

Allentown-Bethlehem-  
 Easton.....Carbon, Lehigh, and Northampton  
 Counties, Pa; Warren County, N. J.  
 Altoona.....Blair County  
 Delaware Valley.....Bucks, Chester, Delaware,  
 Montgomery, and Philadelphia  
 Counties  
 Erie.....Erie County  
 Harrisburg.....Cumberland, Dauphin, and Perry  
 Counties  
 Johnstown.....Cambria and Somerset Counties  
 Lancaster.....Lancaster County  
 Northeast-  
 Pennsylvania.....Lackawanna, Luzerne, and Monroe  
 Counties  
 Philadelphia SMSA.....Bucks, Chester, Delaware, Montgo-  
 mery, and Philadelphia Counties,  
 Pa.; Burlington, Camden, and  
 Gloucester Counties, N. J.  
 Philadelphia City....Philadelphia County  
 Pittsburgh.....Allegheny, Beaver, Washington, and  
 Westmoreland Counties  
 Reading.....Berks County  
 Scranton.....Lackawanna County  
 Wilkes-Barre--  
 Hazleton.....Luzerne County  
 Williamsport.....Lycoming County  
 York.....Adams and York Counties

### PUERTO RICO

Caguas.....Caguas, Gurabo, and San Lorenzo  
 Municipios  
 Mayaguez.....Anasco, Hormigueros, and Mayaguez  
 Municipios  
 Ponce.....Juana Diaz, Ponce, and Villalba  
 Municipios  
 San Juan.....Bayamon, Canovanas, Carolina,  
 Catano, Guaynabo, Loiza, San Juan,  
 Toa Bajo, and Trujillo Alto  
 Municipios

### RHODE ISLAND

Providence-Warwick-  
 Pawtucket.....Central Falls, Cranston, East  
 Providence, Pawtucket, Providence,  
 and Woonsocket cities, and Bur-  
 rillville, Cumberland, Foster,  
 Gloucester, Johnston, Lincoln,  
 North Providence, North Smith-  
 field, Scituate, and Smithfield  
 towns in Providence County, R. I.;  
 Exeter, Narragansett, North Kings-  
 town, Richmond, and South Kings-  
 town towns in Washington County,  
 R. I.; Warwick city, and Coventry,  
 East Greenwich, West Greenwich,  
 and West Warwick towns in Kent  
 County, R. I.; Jamestown and New  
 Shoreham towns in Newport County,  
 R. I.; Bristol County, R. I.;  
 Attleboro city, and North  
 Attleboro, Norton, Rehoboth, and  
 Seekonk towns in Bristol County,  
 Mass.; Plainville town in Norfolk  
 County, Mass.; Blackstone and  
 Millville towns in Worcester  
 County, Mass.

### SOUTH CAROLINA

Charleston-North  
 Charleston.....Berkeley, Charleston, and Dor-  
 chester Counties  
 Columbia.....Lexington and Richland Counties  
 Greenville-  
 Spartanburg.....Greenville, Pickens, and Spar-  
 tanburg Counties

### SOUTH DAKOTA

Rapid City.....Meade and Pennington Counties  
 Sioux Falls.....Minnehaha County

### TENNESSEE

Chattanooga.....Hamilton, Marion, and Sequatchie  
 Counties, Tenn.; Catoosa, Dade,  
 and Walker Counties, Ga.  
 Knoxville.....Anderson, Blount, Knox, and Union  
 Counties; portion of Oak Ridge in  
 Roane County  
 Memphis.....Shelby and Tipton Counties, Tenn.;  
 Crittenden County, Ark.

### TENNESSEE--Continued

Nashville-Davidson...Cheatham, Davidson, Dickson,  
 Robertson, Rutherford, Sumner,  
 Williamson, and Wilson Counties

### TEXAS

Abilene.....Callahan, Jones, and Taylor  
 Counties  
 Amarillo.....Potter and Randall Counties  
 Austin.....Hays, Travis, and Williamson  
 Counties  
 Beaumont-Port  
 Arthur-Orange.....Hardin, Jefferson, and Orange  
 Counties  
 Corpus Christi.....Nueces and San Patricio Counties  
 Dallas-Fort Worth....Collin, Dallas, Denton, Ellis,  
 Hood, Johnson, Kaufman, Parker,  
 Rockwall, Tarrant, and Wise  
 Counties  
 El Paso.....El Paso County  
 Galveston-  
 Texas City.....Galveston County  
 Houston.....Brazoria, Fort Bend, Harris,  
 Liberty, Montgomery, and Waller  
 Counties  
 Longview-Marshall....Gregg and Harrison Counties  
 Lubbock.....Lubbock County  
 Midland.....Midland County  
 Odessa.....Ector County  
 San Angelo.....Tom Green County  
 San Antonio.....Bexar, Comal, and Guadalupe  
 Counties  
 Sherman-Denton.....Grayson County  
 Waco.....McLennan County  
 Wichita Falls.....Clay and Wichita Counties

### UTAH

Salt Lake City-  
 Ogden.....Davis, Morgan, Salt Lake, Tooele,  
 and Weber Counties

### VERMONT

Burlington.....Burlington, South Burlington, and  
 Winooski cities and Charlotte,  
 Essex, Hineburg, Jericho, Milton,  
 Richmond, St. George, Shelburne,  
 and Williston towns in Chittenden  
 County; Georgia town in Franklin  
 County; and South Hero town in  
 Grand Isle County  
 Springfield.....Athens, Grafton, Londonderry,  
 Rockingham (includes Bellows  
 Falls), Westminister, and Windham  
 towns in Windham County; Andover,  
 Baltimore, Cavendish, Chester,  
 Ludlow, Reading, Springfield,  
 Weathersfield, Weston, West  
 Windsor, and Windsor towns in  
 Windsor County

### VIRGINIA

Bristol.....Bristol city, and Scott and Wash-  
 ington Counties  
 Lynchburg.....Lynchburg city, and Amherst,  
 Appomattox, and Campbell Counties  
 Newport News-  
 Hampton.....Hampton, Newport News, Poquoson,  
 and Williamsburg cities, and  
 Gloucester, James City, and York  
 Counties  
 Norfolk-Virginia  
 Beach-Portsmouth....Chesapeake, Norfolk, Portsmouth,  
 Suffolk, and Virginia Beach  
 cities, Va.; Currituck County,  
 N.C.  
 Northern Virginia....Alexandria, Fairfax, Falls Church,  
 Manassas, and Manassas Park  
 cities, and Arlington, Fairfax,  
 Loudoun, and Prince William  
 Counties  
 Petersburg-Colonial  
 Heights-Hopewell....Colonial Heights, Hopewell, and  
 Petersburg cities, and Dinwiddie  
 and Prince George Counties  
 Richmond.....Richmond city, and Charles City,  
 Chesterfield, Goochland, Hanover,  
 Henrico, New Kent, and Powhatan  
 Counties  
 Roanoke.....Roanoke and Salem cities, and  
 Botetourt, Craig, and Roanoke  
 Counties

## Area Definitions—Continued

### WASHINGTON

Seattle-Everett.....King and Snohomish Counties  
Spokane.....Spokane County  
Tacoma.....Pierce County

### WEST VIRGINIA

Charleston.....Kanawha and Putnam Counties  
Huntington-Ashland...Cabell and Wayne Counties, W. Va.;  
                                  Boyd and Greenup Counties, Ky.;  
                                  Lawrence County, Ohio  
Parkersburg-  
  Marietta.....Wirt and Wood Counties, W. Va.;  
                                  Washington County, Ohio  
Wheeling.....Marshall and Ohio Counties, W. Va.;  
                                  Belmont County, Ohio

### WISCONSIN

Appleton-Oshkosh.....Calumet, Outagamie, and Winnebago  
                                  Counties  
Eau Claire.....Chippewa and Eau Claire Counties  
Green Bay.....Brown County  
Janesville-Beloit....Rock County  
Kenosha.....Kenosha County  
La Crosse.....La Crosse County  
Madison.....Dane County  
Milwaukee.....Milwaukee, Ozaukee, Washington, and  
                                  Waukesha Counties  
Racine.....Racine County

### WYOMING

Casper.....Natrona County  
Cheyenne.....Laramie County

# 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 interviews from a sample of about 60,000 households, representing 629 areas in 1,148 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 nonagricultural wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received 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 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, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

*Multiple jobholding.* The household approach 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 persons 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 dispute, 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 mean 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 \$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 Statistical Research Service (SRS) 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 impact on differences in level and trend 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 Census from its censuses or annual sample survey of manufacturing establishments and the censuses of business establishments. The major reasons for some 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 nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. 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. 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.

## **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. This report is available from BLS upon request.

These monthly surveys of the population are conducted with 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. Separate statistics are also collected and published for 14- and 15-year-olds. 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, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are

included as part of the categories "total noninstitutional population" and "total labor force," are, however, obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 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 or 5 percent. In addition to the 60,000 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. These supplementary households were added to the 56,000 household sample in January 1980.

Beginning in May 1981, the sample size was cut by about 6,000 occupied housing units. The reduction did not affect the ability to

publish reliable State and local estimates and had practically no effect on the reliability of national estimates.

Beginning in January 1982, the sample was expanded by about 100 households in 15 counties. The expanded sample provides sufficient coverage of counties added to 7 of the 30 largest SMSA's redefined in 1973. The additional sample had practically no effect on the reliability of national or State estimates.

## CONCEPTS

*Employed persons* comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or 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 dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

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, temporarily in the United States, who are not living on the premises of an embassy.

Excluded are persons whose only activity consisted of work around the house (such as home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

*Unemployed persons* comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (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 wage or salary job within 30 days.

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.

Unemployed persons by 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.

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 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 wage or salary 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 pick-up point.

The *civilian labor force* comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described

above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The *unemployment rate* 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, marital status, race, occupation, industry, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

*Participation rates* represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published. The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate which is the ratio of the civilian labor force and the civilian noninstitutional population. 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 total noninstitutional population that is employed.

*Not in labor force* includes all civilians 16 years and over 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, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled 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, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, 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 civilian job lasting 2 weeks or more. The occupation and industry groups used in the CPS are defined as in the 1970 Census of Population. 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 blood or marriage.

*Hours of work* statistics relate to the actual number of hours worked during the survey week. For example, a person who normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he/she was 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. However, all the hours are credited to the major job.

The distribution of employment by hours worked relates to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in the zero-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time," correspondingly 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 other 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. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home, housework, school, no desire for full-time work, and full-time worker only during the 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.

The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part-time (part time for economic reasons), 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. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part-time.

*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: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours (2) that 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) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

*White and black and other* are terms used to describe the race of workers. The "black-and-other category," includes all persons who identified themselves in the enumeration process to be other than white. At the time of the 1980 Census of Population, 83 percent of the black-and-other civilian noninstitutional population 16 years and over were black; the remainder were primarily American Indians, Alaskan Natives, and Asians and Pacific Islanders. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

*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.

*Major activity: going to school and major activity: other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. Statistics on major activity are published every month in table A-7 for 16- to 21-year-olds by employment status, race, and sex, and, if unemployed, whether seeking full- or part-time work.

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population, i.e., veterans in institutions and females are excluded.

*Nonveterans* are males who never served in the Armed Forces.

The *poverty areas* classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal in-

teragency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). 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 areas encompassed by Standard Metropolitan Statistical Areas (SMSA's). The metropolitan area total is based on the number of SMSA's as defined in the 1970 Decennial Census and does not include any subsequent additions or changes. Nonmetropolitan areas refer to the total of all areas outside SMSA's. The nonmetropolitan total is disaggregated into farm and nonfarm components.

*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. Data refer to the sole or primary job of wage and salary workers. 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.

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 are 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 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 blood, marriage, or adoption; all such persons are considered as members of one family even though they may include a "subfamily," that is, a married couple or a parent-child group related by blood or marriage to the householder and sharing the living quarters. The counts of families used in this volume refer to primary families only, that is, all persons in the household who are related to the householder. Families are classified either as married-couple families or as those maintained by women or men without spouses. 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.

## HISTORIC COMPARABILITY

### Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. A detailed discussion of this and other definitional changes introduced at that time including estimates of their effect on the various series, is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*.

### Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning in 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and agricultural employment by about 350,000, primarily affecting the figures for totals and males; 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 in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were

virtually unchanged. In addition, beginning in 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of 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. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the 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 population estimates had its greatest impact on estimates of 20- to 24-year-old males—particularly those of the black-and-other population—but had little effect on 16 and over totals. 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 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 males and 46,000 females. 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 1978, the introduction of an expansion of the sample and revisions in the estimation procedures resulted in an increase of roughly a quarter of a million in the overall 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 determined 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 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey beginning in January 1979" in the February 1979 issue of *Employment and Earnings*. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan estimates, not for the total U.S.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The new procedure is described in the *Estimating Methods* section. 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 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 on 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 referenced 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.

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

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. The purpose of this review, the most comprehensive since the 1940 census, was to reduce the size of larger groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: Operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presentation, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupational classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "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*.

#### **Changes in 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, occasionally the sample is expanded in terms of number of sample areas and number of sample persons. In 1953, a rotation plan was introduced in which a sample unit would be interviewed for 4 months, leave the sample for 8 months, and then return to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to the sample 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 with the existing design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 60,000 new construction house units, was included in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction housing units that previously had no chance for selection in the CPS sample. 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. In January 1982, about 100 occupied units were added to provide sufficient coverage in counties added to SMSA's which were redefined in 1973.

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. For a more detailed account of the history of the CPS sample design, see *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce, or *Concepts and Methods used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463.

### 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 CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the sample area have the same basic weight, but the weight may differ across sample areas. The basic weight is the same for almost all sample persons in unsupplemented States. The basic weights are then adjusted for noninterview, 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 obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are Standard Metropolitan Statistical Areas (SMSA's), these

residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent depending on weather, vacations, 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 629 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 procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

*b. Second-stage ratio estimate.* In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two 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, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of the State population and of the national age-sex-race categories will be virtually equal to the independent population estimates. This second stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the

**Table A. Characteristics of the CPS sample**

Time period	Number of sample areas	Households eligible		Households visited 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 .....	<sup>1</sup> 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 .....	<sup>2</sup> 333	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 present .....	629	57,800	2,500	11,000

<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.

Current Population Survey Beginning in January 1982" in the February 1982 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 from the April 1, 1980 census through the latest available July 1 estimate, 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, use Report 640 of that series. Descriptions of the age estimates methodology are available on request from the Chief of the Population Division, U.S. Bureau of the Census; Washington, D.C. 20233.

Beginning with the January 1982 estimates, the independent national controls used for the age-sex-race groups in the final step of the second-stage ratio adjustment are prepared by carrying forward the April 1, 1980, total population by age, race, and sex, taking account of the subsequent aging of the population, fertility, mortality, and net immigration, and then subtracting the estimate for the institutional population and Armed Forces. The April 1, 1980, total population was computed by adding together the resident population, consistent with that published for the 1980 census in *Advance Reports*, Series PHC80-V, and the Armed Forces overseas, as compiled from Department of Defense reports.

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulation 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 for the estimate date is derived by subtracting the Armed Forces and the institutional population from the total population 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 controls are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

**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. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of levels 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. 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 errors.** 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 article "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. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females, and larger for black and other races combined than for whites. Ratio estimation to independent age-sex-race 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 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 the paper, "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 paper "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 *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 and up-to-date discussion of various sources of error, 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 sample design, and an estimate and its estimated error were calculated from each sample, then:

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 were 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 were 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 tables 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 change between two 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, as described below, for levels, labor force participation rates, and percentages as pertaining to 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 150,000. The 68 percent confidence interval as shown by these data is from 11,850,000 to 12,150,000. Therefore, a conclusion that the average estimate derived from all possible samples 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 111,000.

**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 on 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 percentages 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

**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)
Total, 16 years and over:		
Civilian labor force .....	208	161
Employed .....	229	175
Unemployed .....	122	123
Males, 20 years and over:		
Civilian labor force .....	113	95
Employed .....	131	114
Unemployed .....	84	85
Females, 20 years and over:		
Civilian labor force .....	167	124
Employed .....	168	128
Unemployed .....	71	74
Both sexes, 16-19 years:		
Civilian labor force .....	80	85
Employed .....	85	94
Unemployed .....	58	72
Black and other, 16 years and over:		
Civilian labor force .....	73	56
Employed .....	84	63
Unemployed .....	59	62
Males, 20 years and over:		
Civilian labor force .....	40	34
Employed .....	49	43
Unemployed .....	40	42
Females, 20 years and over:		
Civilian labor force .....	62	46
Employed .....	62	48
Unemployed .....	36	40
Both sexes, 16-19 years:		
Civilian labor force .....	33	37
Employed .....	31	36
Unemployed .....	28	30

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.* For example, assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. First the standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percentage point). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 3.6 percent is then approximately  $0.09 \times 1.26 = 0.1$  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 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:* For example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base

of 94,965,000, 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  $0.11 \times 1.40 = 0.15$  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:

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

where 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 .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .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:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(.30)(216,000)(221,000)},$$

or about 259,000.

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

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers) .....	0.12	0.12	<b>OCCUPATION</b>		
Males, 20 years and over .....	.15	.15	Blue-collar workers—Continued		
Females, 20 years and over .....	.17	.18	Craft and kindred workers .....	0.33	0.37
Both sexes, 16-19 years .....	.57	.67	Operatives, except transport .....	.44	.50
White workers .....	.12	.12	Transport equipment operatives .....	.70	.77
Black (and other) workers .....	.48	.49	Nonfarm laborers .....	.71	.81
Married men, spouse present .....	.15	.16	Service workers .....	.32	.36
Married women, spouse present .....	.21	.23	Farm workers .....	.54	.62
Full-time workers .....	.12	.13	<b>INDUSTRY</b>		
Part-time workers .....	.32	.40	Nonagricultural private wage and salary workers .....	.13	.13
Unemployed 15 weeks and over .....	.08	.07	Construction .....	.59	.70
<b>OCCUPATION</b>			Manufacturing .....	.27	.30
White-collar workers .....	.12	.13	Durable goods .....	.37	.41
Professional and technical .....	.18	.20	Nondurable goods .....	.39	.45
Managers and administrators, except farm .....	.20	.23	Transportation and public utilities .....	.38	.42
Sales workers .....	.36	.41	Wholesale and retail trade .....	.26	.29
Clerical workers .....	.23	.25	Finance and service industries .....	.17	.19
Blue-collar workers .....	.24	.26	Government workers .....	.20	.23
			Agricultural wage and salary workers .....	1.07	1.26

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

(In thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white males only, or females only	Black and other males only, or females only	Total or white	Black and other
50 .....	13	10	10	10	10	9	9	10	11
100 .....	18	14	14	14	14	13	13	14	15
500 .....	41	32	32	32	28	30	29	31	33
1,000 .....	57	45	44	44	33	42	40	44	46
2,000 .....	81	64	60	60	13	59	52	62	63
4,000 .....	113	90	79	77	-	82	60	87	83
6,000 .....	137	109	88	84	-	99	53	106	93
8,000 .....	-	125	90	84	-	113	16	122	-
10,000 .....	-	139	87	76	-	124	-	135	-
15,000 .....	-	166	36	-	-	146	-	163	-
20,000 .....	-	188	-	-	-	161	-	182	-
30,000 .....	-	219	-	-	-	177	-	-	-
40,000 .....	-	249	-	-	-	178	-	-	-
50,000 .....	-	253	-	-	-	164	-	-	-
60,000 .....	-	260	-	-	-	131	-	-	-
70,000 .....	-	260	-	-	-	49	-	-	-
80,000 .....	-	254	-	-	-	-	-	-	-
100,000 .....	-	221	-	-	-	-	-	-	-
120,000 .....	-	143	-	-	-	-	-	-	-

<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

on 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>							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black and other	Total or white, 16-19 years	Black and other, 16-19 years	Total or white	Both sexes 16-19 years, or part-time labor force <sup>2</sup>	Black and other	Black and other, 16-19 years
50 .....	8	8	12	12	11	12	12	12
100 .....	11	11	17	17	16	17	16	17
500 .....	24	23	37	33	35	39	36	34
1,000 .....	34	33	52	37	48	55	49	39
2,000 .....	47	45	70	-	68	77	65	-
4,000 .....	66	58	89	-	93	107	80	-
6,000 .....	81	65	96	-	110	129	-	-
8,000 .....	93	68	93	-	123	147	-	-
10,000 .....	103	65	78	-	132	162	-	-
15,000 .....	123	33	-	-	145	191	-	-
20,000 .....	130	-	-	-	148	211	-	-
30,000 .....	163	-	-	-	-	-	-	-
40,000 .....	179	-	-	-	-	-	-	-
50,000 .....	189	-	-	-	-	-	-	-
60,000 .....	194	-	-	-	-	-	-	-
70,000 .....	195	-	-	-	-	-	-	-
80,000 .....	191	-	-	-	-	-	-	-
100,000 .....	179	-	-	-	-	-	-	-
120,000 .....	119	-	-	-	-	-	-	-

<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.

**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 .....	2.05	2.88	4.49	6.18	7.36	8.25	8.93	9.46	9.85	10.36
100 .....	1.45	2.04	3.18	4.37	5.20	5.83	6.32	6.69	6.97	7.33
500 .....	.65	.91	1.42	1.96	2.33	2.61	2.82	2.99	3.12	3.28
1,000 .....	.46	.65	1.01	1.38	1.65	1.84	2.00	2.12	2.21	2.32
2,000 .....	.32	.46	.71	.98	1.17	1.31	1.42	1.50	1.56	1.64
4,000 .....	.23	.32	.50	.69	.83	.92	1.00	1.06	1.10	1.16
6,000 .....	.19	.26	.41	.57	.67	.75	.82	.86	.90	.94
10,000 .....	.15	.21	.32	.44	.52	.59	.63	.67	.70	.73
20,000 .....	.11	.15	.23	.31	.37	.41	.45	.47	.49	.51
60,000 .....	.06	.08	.12	.17	.20	.23	.25	.26	.27	.28
100,000 .....	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22

**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 .....	2.32	3.28	5.12	7.10	8.52	9.64	10.05	11.39	11.97	12.55
100 .....	1.64	2.32	3.62	5.02	6.02	6.81	7.11	8.05	8.39	8.87
500 .....	.74	1.04	1.62	2.25	2.69	3.04	3.17	3.58	3.73	3.93
1,000 .....	.52	.73	1.15	1.59	1.90	2.15	2.24	2.52	2.62	2.74
2,000 .....	.37	.52	.81	1.12	1.34	1.51	1.57	1.76	1.83	1.89
4,000 .....	.26	.37	.57	.79	.94	1.06	1.10	1.22	1.26	1.26
6,000 .....	.21	.30	.47	.64	.76	.86	.89	.97	1.00	-
10,000 .....	.16	.13	.36	.49	.59	.65	.67	.72	-	-
20,000 .....	.11	.15	.24	.33	.39	.44	.48	.51	-	-
60,000 .....	.06	.09	.13	.18	.21	.22	.23	-	-	-
100,000 .....	.05	.07	.10	.13	.14	.14	-	-	-	-

**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 .....	2.03	2.85	4.44	6.12	7.28	8.15	8.83	9.34	9.72	10.19
100 .....	1.43	2.02	3.14	4.32	5.15	5.77	6.24	6.61	6.88	7.21
500 .....	.64	.90	1.41	1.93	2.30	2.58	2.79	2.95	3.07	3.22
1,000 .....	.45	.64	.99	1.37	1.63	1.82	1.97	2.09	2.17	2.28
2,000 .....	.32	.45	.70	.97	1.15	1.29	1.40	1.48	1.54	1.61
4,000 .....	.23	.32	.50	.68	.81	.91	.99	1.04	1.09	1.14
6,000 .....	.19	.26	.41	.56	.66	.74	.81	.85	.89	.93
10,000 .....	.14	.20	.31	.43	.51	.58	.62	.66	.69	.73
20,000 .....	.10	.14	.22	.31	.36	.41	.44	.47	.49	.51
40,000 .....	.07	.10	.16	.22	.26	.29	.31	.33	.34	.36
60,000 .....	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
80,000 .....	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
100,000 .....	.05	.06	.10	.14	.16	.18	.20	.21	.22	.23
160,000 .....	.04	.05	.08	.11	.13	.14	.16	.17	.17	.18

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 data and unemployment data:			Total or white:		
Total .....	1.00	.74	Total .....	.97	1.08
Males only .....	.93	.84	Both sexes, 16-19 years .....	.97	1.21
Females only .....	.86	.75	Black and other:		
Both sexes, 16-19 years .....	1.00	1.18	Total .....	1.04	1.13
Part-time labor force .....	1.00	1.18	Both sexes, 16-19 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	Factors				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or males .....	1.30	0.89	0.80	0.72	0.70
Females or teenagers (16-19 years) .....	1.30	.83	.80	.58	.70
Part time .....	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment data and unemployment data:					
Total or white .....	1.30	.86	.88	.67	.70
Black and other or teenagers (16-19 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 level**

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Males				Females	
	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	-	127	-
10,000 .....	149	165	102	144	157	155	-	145	-
15,000 .....	180	198	-	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	-	236	201	174	-	242	-
50,000 .....	296	301	-	-	-	-	-	-	-
75,000 .....	331	304	-	-	-	-	-	-	-
100,000 .....	343	255	-	-	-	-	-	-	-



# Establishment Data (B and C tables)

## COLLECTION

Payroll reports provide current information on wage and salary employment, hours, and earnings in nonagricultural establishments, by industry and geographic location.

### 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 nonagricultural establishments and, for most industries, employment, payroll, and hours of production and related workers or nonsupervisory workers for 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 and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), 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 in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence and National Security Agencies 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.

### 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, inspection, receiving, storage, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), record-keeping, and other services closely associated with the above production operation.

*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, vacations, 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* covers 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 includes 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. *Gross average hourly and weekly 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 the production worker, construction worker, or nonsupervisory employee definitions.

Gross average weekly earnings estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as 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 gross 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.

*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.

*Average overtime hours.* The overtime hours represent that portion of the gross 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, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. 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. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

*Railroads 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. Gross 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. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

"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 (CPJ-W).

*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. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-40). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

*Indexes of aggregate weekly payrolls and hours.* The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1977. For basic industries, the hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of industry aggregation, hour and payroll aggregates are the sum of the component aggregates.

*Indexes of diffusion of changes in number of employees on nonagricultural payrolls.* These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

## 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 nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. 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 nonsupervisory worker data are used to weight the hours and earnings 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 comprehensive counts of employment which provide "benchmarks" for the

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
<b>Monthly data</b>		
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.
Gross 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.
Gross 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.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
<b>Annual average data</b>		
All employees, women employees, and production or nonsupervisory workers .....	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross 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
Gross 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 by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings .....	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.

<sup>1</sup> The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

<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.

various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1981 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural 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 1981 benchmark adjustment is shown in table M.

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 current employment statistics program 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 large percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with 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

**Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1981**

Industry division	Benchmark, March 1981	Estimate, March 1981	Percent difference
Total .....	90,371,000	90,720,000	-0.4
Mining .....	1,107,000	1,084,000	2.1
Construction .....	3,934,000	4,048,000	-2.9
Manufacturing .....	20,085,000	20,016,000	-4
Transportation and public utilities .....	5,102,000	5,095,000	.1
Wholesale and retail trade .....	20,096,000	20,290,000	-1.0
Finance, insurance, and real estate .....	5,239,000	5,263,000	-.5
Services .....	18,340,000	18,287,000	.3
Government .....	16,468,000	16,493,000	-2

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 employment statistics 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 later 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 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 of the employment estimates

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 cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision

**Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1981<sup>1</sup>**

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total .....	177,500	35,740,500	40
Mining .....	2,400	387,000	35
Construction .....	17,300	677,000	17
Manufacturing .....	45,000	10,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC) .....	37	459,500	92
Other transportation and public utilities .....	8,100	2,717,000	53
Wholesale and retail trade .....	43,900	3,398,000	17
Finance, insurance, and real estate .....	12,200	1,950,000	37
Services .....	28,700	3,787,000	21
Government:			
Federal <sup>2</sup> .....	4,900	2,769,000	100
State and local .....	15,000	8,645,000	63

<sup>1</sup> Since a few establishments do not report payroll and hours information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

<sup>2</sup> National estimates of Federal employment by agency 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 4,900 reports covering about 60 percent of employment in Federal establishments.

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 six most recent benchmarks (excluding the March 1973 adjustment) 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.

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

(In percent)

Industry division	Average benchmark revision in estimates of employment <sup>1</sup>	Relative errors <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment .....	0.3	-	-
Total private .....	.3	0.1	0.2
Mining .....	1.3	.5	.5
Construction .....	2.2	.2	.3
Manufacturing .....	.4	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.5	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.5	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.6	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government <sup>3</sup> .....	.5	-	-

<sup>1</sup> The average percent revision in employment for the following benchmarks: 1971, 1974, 1978, 1979, 1980 and 1981.

<sup>2</sup> Relative errors relate to March 1971 data.

<sup>3</sup> Estimates for government are based on a total count for Federal Government and, prior to the March 1979 revision, samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

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.

**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 errors <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	2,100	0.9	1.5
100,000 .....	4,400	.7	1.1
200,000 .....	7,100	.5	.9
500,000 .....	15,200	.4	.8
1,000,000 .....	17,100	.3	.5
2,000,000 .....	28,500	.3	.5

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

<sup>2</sup> Relative errors relate to March 1971 data.

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 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.

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

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
<b>INDUSTRY DIVISIONS</b>		
Total nonagricultural employment .....	84,000	72,000
Mining .....	5,000	5,000
Construction .....	18,000	16,000
Manufacturing .....	31,000	28,000
Durable two-digit industries .....	3,700	3,500
Nondurable two-digit industries .....	2,500	2,500
Transportation and public utilities .....	13,000	14,000
Wholesale and retail trade .....	30,000	27,000
Finance, insurance, and real estate .....	8,000	7,000
Services .....	31,000	25,000
Government .....	50,000	38,000
<b>DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE</b>		
50,000 .....	300	400
100,000 .....	700	700
200,000 .....	1,100	1,100
500,000 .....	3,900	4,100
1,000,000 .....	3,800	3,900
2,000,000 .....	6,000	6,100

NOTE: Division level data are based on differences from January 1976 through December 1981. Detailed industry data are based on differences from August 1978 through June 1979.

The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. 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.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented in a summary volume published annually by the BLS.

#### PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

#### Definitions

*Hours of wage and salary workers* in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

*Output* is the constant-dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

*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 sup-

plementary 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 to eliminate the effect of changes in 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, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current-dollar gross national product 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 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 private business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied housing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing data have been revised to reflect the revisions in the Federal Reserve Board Index of Industrial Production. 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.

## State and Area Unemployment 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 of determining eligibility of an areas for benefits under Federal programs such as the Comprehensive Employment and Training Act, the Public Works Employment Act, and the Public Workers and Economic Development Act.

#### ESTIMATING METHODS

Labor force and unemployment in 10 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, and Florida; and two areas: Los Angeles-Long Beach metropolitan areas and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts see "Household Data," above.

Monthly employment and unemployment estimates in the remaining 40 States and 214 labor market areas are prepared in several stages.

1. *Preliminary estimate—employment*: The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employ-

ment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—unemployment*: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

An estimate for those previously employed in covered industries is derived from a count of current employment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying to the employment estimate for each non-covered industry or class of worker subgroup in the State, the ratio of covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and

the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of experienced unemployed; (c) the level of the experienced labor force; and (d) proportion of the working age population that is considered "youth." The composite estimate of total entrants is defined as :

$$U = A(X + E) + BX, \text{ where}$$

U = total entrant unemployment

E = total employment

X = total experienced unemployment

A, B = synthetic factors incorporating seasonal variation and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Correction factors for employment and unemployment* are then applied at the State level of the UI-based estimates obtained above for each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based

method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

5. *Benchmark correction procedures.* Once each year monthly estimates prepared by the State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages, Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the third-stage estimates are forced into agreement with CPS annual averages. In the 10 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

## 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 these 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 data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series are based on an *adaptation* of the standard ratio-to-moving average method. They provide for "moving" adjustment factors to take account of changing seasonal patterns. A detailed description of the method is given in the publication, *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing 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. 12-564-E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure,

which essentially place more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, 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 civilian 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 (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1981, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1982, and a description of the current seasonal adjustment methodology are published in the February 1982 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1970-81 revision period for a broader range of labor force series also appear in the February 1982 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March of 1982. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

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 non-supervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods

industries, 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 1977 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. Beginning with data for July 1981, these failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series. In prior months, the unadjusted series were used in the aggregation process.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

The revised seasonally adjusted series for the establishment data reflect experience through March 1982. Seasonal factors to be used for current adjustment appear in the June 1982 issue of *Employment and Earnings*.

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