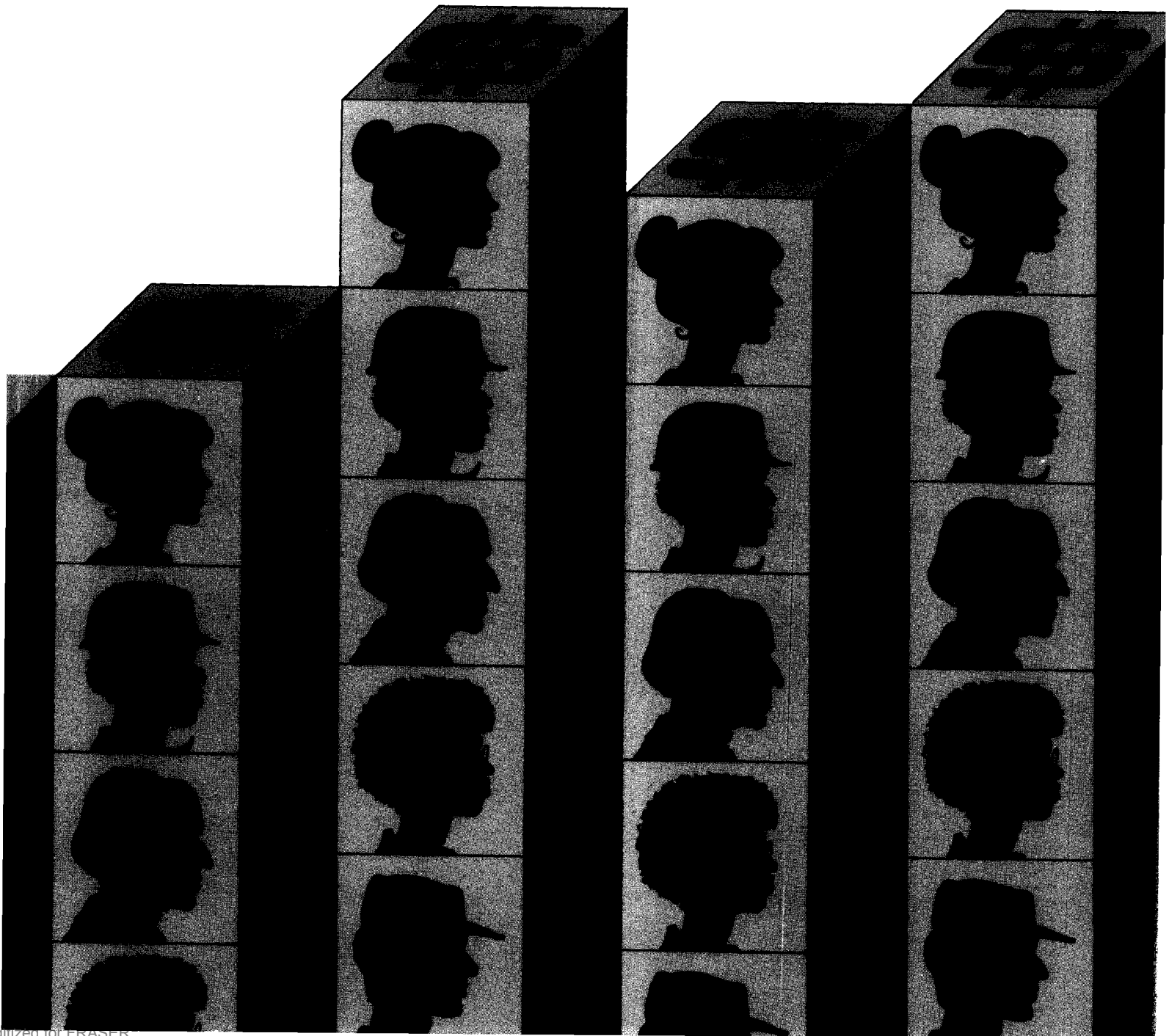


EMPLOYMENT AND EARNINGS

June 1983

U.S. Department of Labor
Bureau of Labor Statistics

In this issue:
Establishment data
adjusted to new
benchmarks





U.S. DEPARTMENT OF LABOR
Raymond J. Donovan, Secretary

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

Employment and Earnings is prepared by the Division of Data Development and Users' Services and the Division of Monthly Industry Employment Statistics in collaboration with the Division of Special Publications. The data are collected by the Bureau of the Census (Department of Commerce), State Employment Security Agencies, and State Departments of Labor in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

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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	Jan., 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 employees detail (final)	Mar.
National data revised to reflect new benchmarks and new seasonal factors	June ¹
Revised historical national data	Supplement ²
State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	May
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¹ Issue varies. Latest revised data introduced June 1983.

² Month of publication varies. The latest supplement was published in June 1983.

Employment and Earnings

Vol. 30 No. 6 June 1983

Editors: Gloria Peterson Green, Rosalie K. Epstein

Editors' note

This issue presents revised establishment-based data (national series) which reflect employment benchmarks (comprehensive counts of employment) for March 1982. 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 1983.

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 6. This article also gives the new seasonal factors to be used to adjust establishment data for April 1983 through March 1984. Revised historical data for detailed industry categories will be published in a June 1983 supplement to *Employment and Earnings*.

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Employment and Unemployment Developments, May 1983

Employment rose in May and unemployment was little changed. The overall unemployment rate, which includes the resident Armed Forces in the labor force base, was 10.0 percent, compared with 10.1 percent in April. The rate for civilian workers was 10.1 percent. Both measures have declined seven-tenths of a percentage point from last December's highs.

The number of persons on nonagricultural payrolls—as measured by the monthly survey of establishments—rose by 375,000 in May to 89.5 million. Particularly strong growth took place in construction, manufacturing, and services. (Establishment data have been revised to reflect March 1982 benchmark adjustments and updated seasonal factors—see the article beginning on page 6.)

Unemployment

The number of unemployed persons, 11.2 million, and the unemployment rate for civilian workers, 10.1 percent, were near April levels after adjustment for seasonality. Both figures continued to register gradual declines from their December highs of 12.0 million and 10.8 percent, respectively.

Virtually all worker groups showed little change in their rates of unemployment from April to May. The rate for adult men edged down from 9.8 to 9.6 percent. Joblessness among adult women was about unchanged, at 8.5 percent, as was the rate for teenagers, at 23.0 percent. The rate for black workers held about steady at 20.6 percent, still more than twice the rate of 8.9 percent for white workers. (See tables A-32 and A-33.)

There was a decline in the number of workers who had been unemployed for 5 to 14 weeks, but also a small rise in joblessness of 15 weeks or more. The median duration of unemployment rose over the month by 1 week to 12.3 weeks, while the mean duration rose by 1.4 weeks to a new high of 20.4 weeks. (See table A-39.)

Civilian employment and the labor force

Civilian employment—as measured by the survey of households—was little changed in May at 99.6 million, seasonally adjusted, following a relatively large increase in April. Since reaching a recession low of 99.1 million last December, employment has risen by nearly half a million, with adult men (370,000) and adult women (270,000) accounting for the increase.

At 110.7 million, the civilian labor force was about

unchanged from April, seasonally adjusted. Since last May, the civilian labor force has grown by only 400,000. However, adult men and women added 1.1 million to the labor force over the year, as declines in both the teenage population and labor force participation produced a 700,000 reduction in their labor force number.

Industry payroll employment

Total nonagricultural payroll employment rose by 375,000 in May to 89.5 million, seasonally adjusted. Payroll jobs have risen by 650,000 in the last 2 months and 800,000 since December. Employment increases were widespread for the second month in a row, with 70 percent of the industries in the BLS index of diffusion registering gains in May. (See tables B-4 and B-7.)

The construction industry, which was hard hit by the recession, added 80,000 jobs in May, following a small increase in April. Manufacturing employment, which had also been severely impacted by the recession, rose by 105,000 for the second consecutive month. These increases were paced by strong advances in the five major metals and metal-using industries as well as the three industries associated with the construction industry—lumber, furniture, and stone, clay, and glass. Most of the increase in machinery jobs, however, was due to the return to work of strikers.

Employment in services continued to expand briskly, rising by 120,000 in May following large gains in the previous 2 months. There was little or no change in the rest of the service-producing sector.

Hours of work

The average workweek of production or nonsupervisory workers on private nonfarm payrolls was up two-tenths of an hour in May to 35.1 hours, seasonally adjusted. The manufacturing workweek, however, edged down a tenth of an hour to 40.0 hours, and factory overtime was down by two-tenths to 2.7 hours; both had risen markedly in the prior 2 months. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls was up 1.3 percent in May to 105.2 (1977 = 100). The manufacturing index increased 0.6 percent to 87.9 and was 5.8 percent above its December 1982 low. (See table C-7.)

Hourly and weekly earnings

Average hourly earnings increased by 0.5 percent in May to \$7.99, seasonally adjusted, while average weekly

earnings rose by 1.1 percent. Before adjustment for seasonality, average hourly earnings of \$7.98 were up 5 cents over the month and 34 cents over the year. Average weekly earnings increased \$4.13 in May to \$279.30 and were up \$13.43 over the year. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 154.7 (1977 = 100) in May, seasonally adjusted, 0.5 percent

higher than in April. For the 12 months ended in May, the increase (before seasonal adjustment) was 4.9 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 1.1 percent during the 12-month period ended in April. (See table C-8.)

BLS Establishment Estimates Revised to March 1982 Benchmarks

*John B. Farrell

With the release of data for May 1983, the Bureau of Labor Statistics introduced revised estimates of employment, hours, and earnings from the monthly survey of establishments. These revisions are based on March 1982 benchmarks—the most recent complete employment counts. As is the usual practice with the introduction of updated benchmarks, the Bureau also introduced revised seasonally adjusted series and new seasonal factors.

Benchmark adjustment procedure

Monthly employment estimates in the establishment survey are based on information provided by a sample of establishments. Annual benchmarks are complete counts of employment. The primary source of information for the benchmark is the mandatory unemployment insurance (UI) reports filed by employers with their State employment security agencies. The current benchmark adjustment affects employment series from April 1981 (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. 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 (linked from the benchmark for the previous March) is assumed to have accumulated at a constant rate since the previous benchmark. Most series 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. Data subsequent to the new benchmark, in this case April 1982 forward, are revised by linking the sample trend for each successive month to the new March 1982 levels.

* John B. Farrell is an economist in the Division of Monthly Industry Employment Statistics, Bureau of Labor Statistics.

Effect of the current benchmark adjustment

The March 1982 benchmark for total nonagricultural employment—89.6 million—was 113,000 below the corresponding sample-based estimate, a difference of 0.1 percent (see table 1). In 1981, the revision was 0.4 percent. Table 2 indicates the magnitude of the differences arising from the current and previous benchmark revisions, by year and industry division.

The most significant revisions occurred in retail trade, where the employment estimates were revised downward by 231,000. Bias adjustment factors calculated during the 1981 benchmark revision overstated the growth of new firms in this industry division. A discussion of bias adjustment factors appears in the next section.

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 (including manufacturing) for which employment estimates are published, 36 of the 255 groups were revised by 5 percent or more. As has generally been the case in the past, the largest industries in terms of employment tended to have the smallest percentage revisions (see table 3).

The March 1982 benchmark levels and estimates for the major manufacturing industry groups (two-digit SIC) appear in table 4. Eleven of the 20 major groups in manufacturing were revised upward. Six were revised by more than 1 percent. Only leather and leather products was revised by more than 3 percent. Revisions were somewhat larger for the basic three- and four-digit manufacturing industries. Six out of every 10 differed by less than 3 percent, but almost one-fifth differed by 5 percent or more. Total manufacturing employment was revised upward by 6,000, a difference of only 0.03 percent.

Why estimates differ from benchmarks

There are three basic sources of differences between benchmarks and estimates: (1) Errors in trend caused by

Table 1. Differences between nonagricultural employment benchmarks and estimates by industry division, March 1982

(Numbers in thousands)

Industry division	Benchmark	Estimate	Difference	
			Amount	Percent
Total	89,566	89,679	-113	-0.1
Total private	73,370	73,503	-133	-2
Mining	1,205	1,178	27	2.2
Construction	3,638	3,631	7	.2
Manufacturing	19,213	19,207	6	(¹)
Transportation and public utilities	5,070	5,049	21	.4
Trade	20,062	20,306	-244	-1.2
Wholesale	5,296	5,309	-13	-0.2
Retail	14,766	14,997	-231	-1.6
Finance, insurance, and real estate	5,294	5,304	-10	-2
Services	18,888	18,828	60	.3
Government	16,196	16,176	20	.1
Federal	2,725	2,725	0	0
State and local	13,471	13,451	20	.2

¹ Less than 0.05 percent.

nonrepresentative samples; (2) errors in adjustment for the entry of new firms; and (3) changes in the quality of the benchmark data. A fourth reason for differences, which affects individual industry estimates but not the total, results from changes in the industry classification of individual establishments.

A primary reason for differences between benchmarks and estimates lies in the limitation of any sample in representing a universe; that is, some 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 4.7 million employer reports each month would be prohibitively expensive and time consuming. Therefore, monthly employment estimates are derived from a sample of approximately 189,000 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 1981 benchmark. The 1982 sample covers 41 percent of the total universe employment.

A second source of differences lies in the limitation of the estimation procedure to adjust for the entry of new

firms. Establishment-based surveys are slow to capture new firms. To compensate for this weakness in the survey method, the Bureau calculates bias adjustment factors. These factors have the effect of raising employment estimates to include estimated new firm growth. The factors are based on the benchmark differences of the previous 3 years. Thus, they may not reflect current trends accurately if there is a turn in the economy. Bias adjustment factors will overstate the amount of business growth during a period of economic decline, and understate growth during an expansionary period. However, the sample does reflect business deaths—businesses that discontinue operations. Therefore, the potential for error is greatest during times of employment expansion.

Bias adjustment factors, which vary by industry, are recalculated each year as part of the benchmarking process. The current bias adjustment factors for all industries except construction are based on trends between 1979 and 1982. These factors may be recalculated if there is a significant shift in trends in 1983. For construction, the factors are derived from current measures of construction activity, such as building permits and

Table 2. Percent differences between nonagricultural employment benchmarks and estimates by industry division, selected years, 1974-82

Industry division	March						
	1974	1977 ¹	1978	1979	1980	1981	1982
Total	0.1	0.1	0.7	0.5	-0.1	-0.4	-0.1
Mining	3.0	2.7	1.9	.2	-6	2.1	2.2
Construction	-6	.6	1.6	-3.2	-1.5	-2.9	.2
Manufacturing	.1	-4	.6	.4	-3	-4	(²)
Transportation and public utilities	(²)	-1.8	.9	-8	-3	.1	.4
Trade	-1	-5	.4	.6	-8	-1.0	-1.2
Finance, insurance, and real estate	1.1	1.0	1.0	.1	.1	-5	-2
Services	.7	.6	1.2	.5	.9	.3	.3
Government	-5	.8	(³)	1.9	.5	-2	.1

¹Differences for the detailed industry divisions are between benchmarks based on the 1972 SIC and estimates based on the 1967 SIC.² Less than 0.05 percent.³ Estimates of State and local government were not revised.

Table 3. Distribution of published 3-digit sic Industries by size of industry and percent difference between employment benchmarks and estimates, March 1982

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	40	42	70	103
0-0.9	71	5	9	21	36
1.0-2.9	105	14	15	31	45
3.0-4.9	43	8	10	10	15
5.0-and over	36	13	8	8	7

housing starts. Using the new factors, the March 1982 to March 1983 decrease in total nonagricultural employment was 1,394,000. This compares with a decrease of 1,371,000 using the old factors.

A third cause of differences arises from changes in the quality of the benchmark source data, which could introduce substantial changes in the levels of certain sectors. For example, in 1979 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 large revisions in the employment estimates for this division. A minor change in the source data for the 1982 benchmark is discussed in the next section.

A fourth source of differences between estimates and benchmarks is the procedure used to keep the industrial classification of establishments up to date. An establish-

ment 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 the primary one, the establishment is reclassified to the industry of its new major activity. These changes are accumulated and then introduced at the time of the benchmark adjustment. At the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments.

Benchmark source material

State UI records are the primary source of benchmark data. UI programs 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. For nonoffice insurance sales workers, data on employees covered under Social Security laws, published by the Bureau of

Table 4. Differences between manufacturing employment benchmarks and estimates, March 1982

(Numbers in thousands)

Industry division	Benchmark	Estimate	Difference	
			Amount	Percent
Manufacturing	19,213	19,207	6	(¹)
Durable goods	11,446	11,454	-8	-.1
Lumber and wood products	583.0	592.0	-9.0	-1.5
Furniture and fixtures	437.5	446.3	-8.8	-2.0
Stone, clay, and glass products	574.0	574.2	-.2	(¹)
Primary metal industries	1,009.0	1,004.4	4.6	.5
Fabricated metal products	1,484.2	1,491.3	-7.1	-.5
Machinery, except electrical	2,411.6	2,428.8	-17.2	-.7
Electric and electronic equipment	2,038.4	2,034.2	4.2	.2
Transportation equipment	1,793.8	1,776.2	17.6	1.0
Instruments and related products	724.4	713.8	10.6	1.5
Miscellaneous manufacturing	389.9	392.3	-2.4	-.6
Nondurable goods	7,767	7,753	14	.2
Food and kindred products	1,589.3	1,597.9	-8.6	-.5
Tobacco manufactures	66.2	64.2	2.0	3.0
Textile mill products	761.7	760.0	1.7	.2
Apparel and other textile products	1,166.1	1,184.5	3.6	.3
Paper and allied products	667.4	665.1	2.3	.3
Printing and publishing	1,278.2	1,279.1	-.9	-.1
Chemicals and allied products	1,092.1	1,087.1	5.0	.5
Petroleum and coal products	198.8	203.7	-4.9	-2.5
Rubber and miscellaneous plastics products	702.9	699.8	3.1	.4
Leather and leather products	222.7	211.6	11.1	5.0

¹ Less than 0.5 percent.

the Census in *County Business Patterns*, are used to augment UI data. 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 Conference. 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.

In May 1981, the Supreme Court ruled that employees of church related schools were not eligible for UI benefits. As a result of this decision, about 50,000 employees of church-sponsored schools were no longer included in UI employment counts for March 1982. Benchmark data were obtained through State agency surveys instead.

Employment counts for the Federal Government are derived from official summaries prepared by the U.S. Office of Personnel Management (OPM). These summaries are complete counts of Federal workers and are

not subject to benchmark revision.¹ The official OPM summaries do not provide detail on Federal employment by industry, such as hospitals, on a current monthly basis. These are derived by BLS from a sample of Federal establishments.

The Bureau's reporting sample is an important source of information for correcting errors in UI records. 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 UI 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

¹ 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 revised (March 1982) benchmarks and previous (March 1981) benchmarks, for selected industry groups

Industry group	Average weekly hours			Average hourly earnings		
	Revised estimate	Previous estimate	Difference	Revised estimate	Previous estimate	Difference
Total private	34.8	34.7	0.1	7.55	7.55	0
Mining	43.8	43.8	0	10.59	10.62	-.03
Construction	37.0	37.0	0	11.41	11.33	.08
Manufacturing	39.1	39.1	0	8.38	8.37	.01
Durable goods	39.6	39.6	0	8.93	8.91	.02
Lumber and wood products	37.6	37.6	0	7.24	7.28	-.04
Furniture and fixtures	37.6	37.6	0	6.20	6.21	-.01
Stone, clay, and glass products	39.7	39.8	-.1	8.64	8.65	-.01
Primary metal industries	39.0	39.0	0	11.14	11.15	-.01
Fabricated metal products	39.6	39.6	0	8.64	8.64	0
Machinery, except electrical	40.4	40.4	0	9.19	9.18	.01
Electric and electronic equipment	39.6	39.5	.1	8.06	8.01	.05
Transportation equipment	40.4	40.4	0	10.90	10.89	.01
Instruments and related products	40.2	40.1	.1	7.93	8.00	-.07
Miscellaneous manufacturing	38.7	38.7	0	6.33	6.32	.01
Nondurable goods	38.3	38.3	0	7.57	7.57	0
Food and kindred products	39.0	39.0	0	7.80	7.79	.01
Tobacco manufactures	37.2	37.3	-.1	9.72	9.72	0
Textile mill products	37.5	37.7	-.2	5.76	5.76	0
Apparel and other textile products	35.1	35.1	0	5.17	5.15	.02
Paper and allied products	41.7	41.7	0	9.03	9.03	0
Printing and publishing	37.2	37.1	.1	8.60	8.59	.01
Chemicals and allied products	40.6	40.7	-.1	9.70	9.71	-.01
Petroleum and coal products	42.2	42.4	0	12.32	12.32	0
Rubber and miscellaneous plastics products	39.7	39.7	0	7.46	7.45	.01
Leather and leather products	35.6	35.6	0	5.23	5.24	-.01
Transportation and public utilities	39.1	39.0	.1	10.07	10.07	0
Trade	31.6	31.6	0	6.15	6.16	-.01
Finance, insurance, and real estate	36.3	36.3	0	6.58	6.59	-.01
Services	32.5	32.5	0	6.77	6.77	0

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 workers, production workers, hours, and earnings are not available. Women worker and production worker series are revised by applying estimated ratios of women workers and production workers to the revised all-employee figures. For basic 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 or nonsupervisory worker employment estimates for the basic cells are used as weights for the hours and earnings estimates of broader industry groups. Adjustments of the all-employee estimates to new benchmarks may alter the weights, which in turn, may change the estimates for hours and earnings of production and nonsupervisory workers.

For employment estimates of women workers and production or nonsupervisory workers, the revisions at the basic 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 groups. The changes in the hours and earnings estimates for broad industry categories are shown in table 5.

Revision of seasonally adjusted data

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 estimates.

Each year, seasonally adjusted employment and earnings data are updated and released simultaneously with the benchmarked data. This update incorporates the most recent year into the computation of seasonal adjustment factors. The Bureau uses the X-11 ARIMA (Auto-Regressive Integrated Moving Average) seasonal adjustment methodology. X-11 ARIMA, developed by Statistics Canada, uses ARIMA models to project the unadjusted data for one year prior to seasonally adjusting the establishment based series.

The ARIMA model is not used when 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 three the number of series for which no projections are identified.²

Some series require special attention before they can be seasonally adjusted. Since major strikes tend to distort normal seasonal patterns, the effects of strikes are eliminated from employment series in the industries where they have occurred. The Federal Government series have been adjusted to remove the effect of the temporary hiring of census takers during the 1980 census.

The revised factors were derived using data from January 1973 through March 1983. The addition of another year of data did not change the dates of the peaks or troughs of the last two recessions. After the 1980 recession, employment peaked at a seasonally adjusted all-time high of 91,484,000 in July 1981. This was 83,000 higher than the figure previously published. Employment declined for 16 of the next 17 months, reaching a trough in December 1982 at a seasonally adjusted level of 88,665,000—100,000 higher than the previously published December employment level. (See table 6 for differences in month-to-month changes).

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, United States, 1909-78* to be issued this month. It will contain the revised seasonally adjusted data for

² The series are identified in tables 8 and 9.

Table 6. Seasonally adjusted over-the-month changes in total nonagricultural employment
(In thousands)

Month	As revised	As previously published
1982:		
January	-334	-182
February	21	-1
March	-210	-155
April	-183	-221
May	-8	83
June	-241	-327
July	-325	-304
August	-186	-222
September	-29	-49
October	-297	-387
November	-153	-127
December	-120	-185
1983:		
January	221	355
February	-141	-161

January 1978 through February 1983. Revised unadjusted data will be shown from April 1981 through February 1983. As a convenience to users, seasonally adjusted data from 1974 through 1977, and unadjusted data from January 1977 through March 1981 will also be displayed. The June 1983 supplement will thus supplant all data in the June 1982 supplement. Data for earlier time periods can be found in *Employment and Earnings, United States, 1909-78* (BLS Bulletin 1312-11), issued in 1979.³

Monthly employment estimates are published for most of the significant industries in the nonagricultural

³ Historical data for the indexes of aggregate weekly hours, aggregate weekly payrolls, and the unadjusted constant-dollar series can be found in the August 1981 supplement. Historical seasonally adjusted constant-dollar data can be found in the March 1983 issue of *Employment and Earnings*.

sector. Those industries for which monthly data are not published either are too small or are not represented by a sufficient sample. Table 7 contains the March 1982 benchmark figures for a number of such industries.

Seasonal adjustment factors are recalculated annually, and updated factors are published in conjunction with the benchmark revisions. The seasonal factors that will be used for the period April 1983 through March 1984 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, identified in tables 11 and 13, are used in aggregating to broader seasonally adjusted levels.

Table 7. Employment benchmarks for industries not published monthly

(in thousands)

Industry	1972 SIC Code	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981	March 1982
Total.....	-	75,686	78,092	80,493	84,455	88,654	90,253	90,371	89,566
Total private.....	-	60,789	62,967	65,294	68,729	72,552	73,720	73,903	73,370
Goods-producing.....	-	21,951	22,728	23,488	24,554	25,993	25,799	25,126	24,056
Mining.....	10-14	730	761	805	699	928	990	1,107	1,205
Lead and zinc ores.....	103	8.1	8.0	7.8	7.3	6.2	6.9	7.2	5.9
Other metal ores.....	104-6,8,9	21.7	23.9	27.3	31.4	35.4	38.5	39.6	34.4
Anthracite mining.....	11	3.6	3.6	3.3	3.1	3.1	3.3	3.5	3.5
Crude petroleum and natural gas.....	131	146.4	154.1	159.3	173.5	185.3	205.7	242.7	274.1
Natural gas liquids.....	132	4.1	4.0	4.2	4.2	4.7	5.5	6.8	8.4
Nonmetallic minerals, exc. fuels, nec.....	141,5,8,9	18.5	18.1	18.1	19.0	18.9	20.3	20.3	19.2
Construction.....	15-17	3,235	3,276	3,430	3,733	4,093	4,087	3,934	3,638
Concrete work.....	177	72.3	80.1	87.3	96.4	105.3	100.2	98.2	84.5
Water well drilling.....	178	15.4	16.2	19.0	19.7	19.5	18.7	19.1	16.9
Misc. special trade contractors.....	179	277.8	275.2	287.4	307.3	342.4	351.1	359.4	336.8
Manufacturing.....	20-39	18,000	18,691	19,253	20,122	20,971	20,722	20,085	19,213
Durable goods.....	24,25,32-39	10,634	10,861	11,322	11,992	12,744	12,609	12,105	11,446
Special product sawmills, nec.....	2429	6.0	6.3	6.8	7.0	6.6	6.0	4.8	3.5
Structural wood members, nec.....	2439	8.3	9.7	12.1	15.1	17.0	15.9	15.0	11.6
Nailed and lock corner wood boxes and shooks.....	2441	9.7	10.2	10.0	9.0	8.9	8.0	6.9	5.9
Wood pallets and skids.....	2448	16.8	18.9	20.7	22.6	27.8	26.6	24.6	23.0
Wood containers, nec.....	2449	10.9	11.1	10.7	10.9	10.8	10.3	10.3	9.2
Prefabricated wood buildings and components.....	2452	17.6	19.6	21.3	25.1	25.0	20.4	18.9	16.0
Wood preserving.....	2491	12.9	11.8	12.5	13.0	13.5	13.8	13.2	11.8
Particleboard and wood products, nec.....	2492,9	55.8	62.7	64.6	69.1	71.2	70.5	68.1	62.0
Wood TV, radio, phonograph, and household furniture.....	2517,9	14.2	14.0	14.8	16.8	15.9	14.0	13.8	12.1
Wood office furniture.....	2521	11.3	11.7	14.0	16.2	17.1	18.8	21.7	24.6
Metal office furniture.....	2522	27.3	25.1	26.7	29.7	32.2	32.1	31.2	29.9
Wood partitions and fixtures.....	2541	25.9	28.0	29.8	32.1	33.3	33.3	31.4	29.8
Metal partitions and fixtures.....	2542	24.1	24.1	26.5	28.2	30.1	31.5	27.8	27.8
Drapery hardware & blinds & shades.....	2591	12.2	13.1	14.2	16.0	16.5	16.8	16.5	16.4
Furniture and fixtures, nec.....	2599	9.9	9.3	10.2	11.1	11.8	11.2	12.3	12.5
Brick and structural clay tile.....	3251	18.0	20.0	20.1	21.6	22.0	20.1	16.4	13.0
Clay refractories.....	3255	13.4	11.7	13.0	12.9	14.1	14.1	11.3	9.7
Other structural clay products.....	3253,9	14.8	14.4	14.3	14.8	15.8	14.5	12.9	11.0
Vitreous plumbing fixtures.....	3261	8.6	9.8	10.2	11.3	11.2	12.7	9.9	8.5
Vitreous china and earthenware food utensils.....	3262,3	9.7	9.8	8.9	9.5	9.4	10.5	9.7	9.1
Porcelain electrical supplies.....	3264	11.3	10.2	10.7	10.8	10.7	13.0	11.4	10.8
Pottery products, nec.....	3269	13.3	14.8	14.9	14.6	15.3	13.0	12.3	11.3
Lime and gypsum products.....	3274,5	19.8	19.8	19.7	21.0	21.7	21.6	19.6	17.8
Cut stone and stone products.....	328	12.3	11.9	12.1	11.9	12.1	11.7	11.0	10.3
Gaskets, packing and sealing devices	3293	22.7	24.6	25.9	27.9	29.3	27.9	27.4	26.8
Minerals, ground or treated.....	3295	14.6	13.9	14.8	14.7	16.3	16.2	15.6	14.6
Nonclay refractories and non- metallic mineral products, nec.....	3297,9	15.8	16.3	15.4	17.5	18.3	18.3	17.7	16.4
Electrometallurgical products.....	3313	15.7	13.5	14.8	14.1	14.7	14.6	13.1	11.2
Steel wire and related products.....	3315	20.3	20.7	20.8	23.1	25.9	22.7	22.5	19.3
Cold finishing of steel shapes.....	3316	17.0	16.5	17.8	19.8	20.5	19.0	17.2	15.5
Steel investment foundries.....	3324	8.3	8.5	9.7	11.9	11.6	12.3	14.0	12.3
Primary copper.....	3331	17.4	15.3	15.7	15.7	15.5	15.6	14.1	12.7
Primary lead and zinc.....	3332,3	9.8	9.4	9.2	9.4	9.6	8.1	7.9	6.1
Primary nonferrous metals, nec.....	3339	10.5	10.8	10.0	10.1	10.3	11.8	11.7	10.1
Secondary nonferrous metals.....	334	18.9	19.3	20.6	21.6	24.4	25.4	24.0	21.3
Aluminum extruded products.....	3354	24.2	25.5	30.3	33.9	33.3	33.6	31.5	29.2
Aluminum and nonferrous rolling and drawing, nec.....	3355,6	22.3	21.5	22.9	23.6	24.8	26.0	23.8	24.5
Brass, bronze, and copper foundries.....	3362	18.6	17.9	18.7	19.2	20.4	20.6	18.1	17.2
Nonferrous foundries, nec.....	3369	15.1	18.2	20.3	20.3	22.0	21.1	19.4	17.7
Misc. primary metal products.....	339	18.6	18.8	20.9	23.0	25.1	26.8	25.6	24.9
Metal heat treating.....	3398	10.5	10.4	11.3	12.9	13.7	14.2	13.7	14.1
Primary metal products, nec.....	3399	8.1	8.4	9.6	10.1	11.4	12.6	13.7	10.8
Metal barrels, drums, and pails.....	3412	11.8	12.5	13.1	13.3	13.9	13.2	13.3	12.1
Cutlery.....	3421	14.7	14.9	15.3	16.0	15.9	16.3	15.7	13.4
Metal sanitary ware.....	3431	8.8	9.9	10.5	11.2	11.5	10.8	10.9	9.6
Prefabricated metal buildings.....	3448	17.7	19.8	20.1	25.4	27.6	28.8	28.3	25.0

See footnote at end of table.

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

(In thousands)

Industry	1972 SIC Code	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981	March 1982
Misc. metal work.....	3449	10.4	8.9	8.6	10.3	10.7	10.2	9.1	8.0
Nonferrous forgings and crowns and closures.....	3463,6	10.3	10.0	11.3	10.9	11.2	13.0	12.8	11.7
Steel springs, except wire.....	3493	7.0	8.2	8.5	8.4	9.0	7.6	6.1	5.8
Wire springs.....	3495	12.8	13.4	15.0	16.1	16.6	15.4	14.9	13.1
Fabricated pipe and fittings.....	3498	24.1	24.7	24.4	26.0	27.1	27.2	27.9	31.0
Metal foil and leaf, and fabricated pipe fittings.....	3497,9	40.8	44.3	46.9	49.0	49.6	49.7	44.5	43.2
Lawn and garden equipment.....	3524	18.8	18.0	18.8	20.7	23.9	25.7	22.7	19.5
Elevators and moving stairways.....	3534	14.1	11.7	11.4	11.9	12.8	13.4	12.9	12.4
Hoists, cranes, and monorails.....	3536	19.7	19.3	20.0	16.9	19.7	23.3	16.7	15.5
Rolling mill machinery.....	3547	14.3	12.8	10.4	10.2	11.5	11.4	9.2	8.5
Metalworking machinery, nec.....	3549	12.9	11.5	12.4	13.1	14.4	14.9	13.7	13.3
Woodworking machinery.....	3553	11.2	10.7	11.2	12.4	13.3	14.3	12.0	10.3
Paper industries machinery.....	3554	19.0	17.9	18.2	18.0	19.3	18.9	20.0	19.0
Special industry machinery, nec.....	3559	56.2	52.5	54.1	57.0	60.8	63.8	59.6	55.0
Industrial patterns.....	3565	9.6	9.4	10.0	10.4	10.7	10.4	10.0	9.7
Industrial furnaces and ovens.....	3567	18.4	17.5	18.0	19.5	19.9	21.6	20.5	19.2
General industrial machinery, nec.....	3569	43.8	42.9	41.9	44.2	48.2	48.3	49.6	48.9
Office machines, scales and balances, exc. laboratory.....	3576,9	31.8	30.7	35.1	35.2	41.3	42.3	36.6	35.6
Automatic merchandising machines.....	3581	7.1	7.8	7.7	9.8	10.5	10.4	10.9	9.5
Commercial laundry equipment.....	3582	5.4	5.6	5.8	6.0	5.9	5.6	5.3	4.7
Measuring and dispensing pumps and service ind. mach., nec.....	3586,9	37.3	37.0	37.1	38.1	42.2	41.6	38.4	37.7
Welding apparatus, electric.....	3623	17.2	15.6	16.7	18.3	19.6	18.9	18.1	18.3
Carbon and graphite products.....	3624	13.4	12.6	13.4	13.1	13.9	14.1	14.0	13.6
Electrical industrial apparatus, nec.....	3629	11.2	10.7	11.8	13.8	14.3	13.9	12.2	11.9
Household cooking equipment.....	3631	16.4	21.9	24.3	25.6	25.0	27.6	24.0	22.9
Other household appliances.....	3635,6,9	29.6	33.5	35.0	37.3	37.0	34.6	32.3	26.6
Commercial lighting fixtures.....	3646	14.2	13.4	14.6	15.3	17.3	17.1	17.2	17.2
Vehicular & lighting equipment, nec.....	3647,8	18.3	23.0	22.7	25.3	27.9	25.3	23.7	22.0
Phonograph records.....	3652	20.5	24.2	24.0	27.1	27.9	24.2	24.6	21.7
Electronic capacitors.....	3675	15.7	18.6	20.3	23.6	25.6	28.4	25.8	27.2
Electronic resistors and connectors.....	3676,8	13.6	12.9	15.9	19.0	21.7	21.7	19.2	21.0
Electronic coils and transformers.....	3677	15.1	17.2	20.2	22.4	25.6	27.7	24.7	24.5
Primary batteries, dry and wet.....	3692	11.1	12.8	14.7	16.2	16.0	15.5	16.5	15.2
X-ray apparatus and tubes.....	3693	17.0	17.9	18.3	22.7	25.6	25.2	26.5	30.0
Other misc. electrical equipment.....	3699	10.7	11.2	14.9	16.2	14.9	14.4	13.7	13.4
Self-contained motor homes.....	3716	-	-	5.8	5.6	5.2	5.6	4.9	6.5
Motorcycles, bicycles, and parts.....	375	13.9	17.1	17.3	19.1	18.6	21.8	17.4	17.1
Space propulsion units and other space vehicle equipment.....	3764,9	13.8	14.6	18.0	18.4	20.0	22.1	26.1	26.4
Other transportation equipment.....	3795,9	16.2	17.4	19.1	20.9	22.5	22.5	21.5	25.5
Fluid meters and counting devices... Measuring and controlling devices, nec.....	3824	13.5	13.3	14.3	14.6	17.5	18.1	18.5	17.1
Dental equipment and supplies.....	3829	17.7	17.5	19.1	21.2	22.2	22.4	25.4	25.9
Silverware and plated ware.....	3843	14.9	15.4	16.9	16.9	17.7	17.4	17.1	15.7
Jewelers' materials and lapidary work.....	3914	11.2	11.6	11.6	11.7	11.8	11.3	11.5	11.1
Pens and mechanical pencils.....	3915	8.0	9.3	9.0	9.6	9.2	8.0	7.6	7.8
Lead pencils and art goods.....	3951	9.9	11.3	11.2	12.2	12.3	12.1	11.6	9.9
Marking devices, carbon paper and inked ribbons.....	3952	8.3	9.0	8.9	9.6	9.5	9.5	9.4	8.2
Artificial flowers and buttons.....	3953,5	12.9	13.8	14.2	14.8	16.4	16.9	15.5	15.7
Needles, pins, and fasteners.....	3962,3	8.9	9.9	8.9	8.9	8.6	8.4	8.3	7.1
Brooms and brushes.....	3964	16.4	17.5	19.6	19.4	19.0	19.0	14.5	12.1
Burial caskets.....	3991	15.2	17.3	18.1	17.8	17.2	18.0	15.2	15.2
Manufacturing industries, nec.....	3995	13.6	12.8	12.5	12.7	12.2	12.0	11.3	11.0
	3996,9	55.4	58.1	59.9	63.0	64.7	61.8	56.3	54.9
Nondurable goods.....	20-23,26-31	7,366	7,830	7,931	8,130	8,227	8,113	7,980	7,767
Poultry and egg processing.....	2017	12.8	14.5	13.6	12.9	15.2	15.2	14.7	15.1
Creamery butter and condensed and evaporated milk.....	2021,3	17.7	16.4	15.4	14.9	15.7	17.9	18.0	17.9
Ice cream and frozen desserts.....	2024	19.4	18.8	19.4	18.2	19.4	19.1	18.8	18.1
Dehydrated fruits, soups, and vegetables.....	2034	14.4	16.3	16.8	16.6	17.9	16.7	15.7	16.0
Pickles, sauces, and salad dressings	2035	21.0	23.8	23.0	24.3	23.3	24.1	23.3	22.0
Frozen specialties.....	2038	23.6	27.1	29.3	31.9	34.2	34.7	34.2	34.2
Cereal breakfast foods.....	2043	16.1	16.1	16.8	16.4	16.0	16.6	16.3	17.2
Wet corn milling.....	2046	13.5	12.3	13.3	13.0	12.9	12.7	13.5	11.7
Dog, cat, and other pet food.....	2047	16.9	17.7	16.6	17.8	17.5	16.7	17.0	16.7
Rice milling and blended and prepared flour.....	2044,5	11.9	11.6	12.3	12.6	13.7	13.8	12.3	12.5

See footnote at end of table.

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

(In thousands)

Industry	1972 SIC Code	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981	March 1982
Cane sugar, except refining only....	2061	-	-	-	-	-	-	8.5	8.4
Cane sugar, refining.....	2062	-	-	-	-	-	-	10.2	9.3
Beet sugar.....	2063	-	-	-	-	-	-	10.2	10.6
Chocolate and cocoa products and chewing gum.....	2066,7	16.9	19.4	20.0	18.9	19.8	19.5	19.4	18.7
Oil mills.....	2074,5,6	17.3	17.5	16.2	18.5	19.4	20.3	19.4	18.1
Animal and marine fats and oils.....	2077	11.4	10.8	12.5	11.1	11.0	10.8	10.3	9.9
Shortening and cooking oils.....	2079	12.7	13.5	12.9	13.3	14.3	13.4	12.5	12.3
Malt and other flavoring extracts and syrups.....	2083,7	13.3	13.2	13.2	14.2	14.2	14.4	14.9	15.6
Wines, brandy, and brandy spirits....	2084	12.6	11.5	11.1	12.9	12.4	12.6	14.0	13.4
Distilled liquor, exc. brandy.....	2085	19.0	19.3	18.5	18.5	18.5	18.4	17.0	15.6
Canned and cured seafoods.....	2091	16.4	16.7	17.7	18.5	17.6	15.9	16.5	18.0
Fresh or frozen packaged fish.....	2092	24.5	26.8	28.6	30.8	33.2	33.5	32.9	32.1
Roasted coffee.....	2095	14.1	14.2	13.8	13.7	13.3	13.0	12.9	12.4
Misc. food preparation.....	2097-9	83.6	87.4	92.1	96.8	96.5	97.3	98.7	94.3
Cigars.....	212	12.4	10.4	9.4	9.1	8.3	7.5	7.1	6.7
Other tobacco manufactures.....	213,4	14.1	12.7	13.7	14.3	14.2	12.1	12.7	11.8
Knit fabric and knitting mills, nec.	2258,9	25.9	26.7	24.7	25.1	26.3	24.5	21.4	20.7
Finishing plants, nec.....	2269	15.6	18.4	17.3	16.4	16.4	17.1	14.5	14.0
Wool yarn mills.....	2283	10.2	10.9	11.7	10.9	9.9	10.2	8.6	8.3
Thread mills.....	2284	8.3	10.9	11.0	10.9	10.1	11.6	10.2	9.5
Coated fabrics, not rubberized.....	2295	10.8	12.8	12.7	12.0	11.7	12.4	11.6	10.9
Tire cord and fabric.....	2296	10.9	11.8	12.0	11.0	11.5	10.8	9.5	8.3
Cordage and twine.....	2298	9.9	10.0	10.7	10.5	10.5	9.7	9.1	8.8
Other textile goods.....	2291-4,7,9	31.7	35.9	34.6	36.6	36.6	36.7	35.4	33.5
Men's and boys' underwear.....	2322	13.9	15.7	15.9	16.5	17.3	16.1	14.8	13.5
Men's and boys' neckwear.....	2323	6.5	7.5	6.7	7.2	6.8	6.7	6.7	6.4
Men's and boys' clothing, nec.....	2329	49.2	55.6	57.7	60.7	58.5	62.1	57.6	55.3
Hats, caps, and millinery.....	2351,2	15.2	15.7	15.4	15.6	16.4	18.3	18.6	15.9
Children's coats and suits.....	2363	7.5	8.8	8.1	8.2	7.5	7.0	6.3	5.3
Children's outerwear, nec.....	2369	30.6	34.6	34.0	33.9	31.8	31.0	30.4	31.1
Fur goods.....	237	3.6	4.0	4.0	4.2	4.3	3.8	3.9	3.7
Fabric dress and work gloves.....	2381	12.5	12.3	13.9	14.5	15.2	13.2	11.4	9.9
Robes and dressing gowns.....	2384	9.2	11.1	11.3	11.7	11.1	10.6	9.9	9.0
Waterproof outer garments.....	2385	14.0	14.5	13.6	13.1	12.6	12.3	12.2	10.2
Apparel and accessories, nec.....	2386,7,9	19.9	22.5	21.6	21.8	20.4	19.9	23.7	21.7
Textile bags.....	2393	7.4	8.1	8.5	9.3	9.4	9.8	8.7	8.3
Canvas and related products.....	2394	13.0	13.3	13.4	13.9	14.8	15.0	15.2	14.9
Pleating and stitching.....	2395	13.5	15.2	15.0	17.2	16.1	16.2	17.4	15.6
Other fabricated textile products....	2397,9	24.4	30.0	29.9	29.7	33.2	30.8	28.8	26.0
Pulp mills.....	261	14.1	15.6	16.8	17.3	15.8	16.5	16.9	15.7
Building paper and board mills.....	266	11.2	11.8	12.1	13.5	12.8	12.4	11.0	9.7
Die-cut paper and board.....	2645	16.0	16.9	17.2	17.4	17.6	17.5	16.5	16.1
Sanitary paper products.....	2647	15.3	19.3	22.3	25.5	25.5	26.6	26.4	27.1
Other converted paper products.....	2646,8,9	38.6	41.2	42.6	44.9	44.1	45.6	44.9	41.8
Set-up paperboard boxes.....	2652	12.1	13.6	13.3	13.0	12.6	11.9	11.9	10.7
Fiber cans, drums, and similar products.....	2655	18.0	19.0	18.5	19.0	19.4	18.9	18.0	16.9
Engraving and plate printing.....	2753	11.1	11.6	11.6	11.2	11.5	11.2	11.3	10.9
Commercial printing, gravure.....	2754	7.8	7.8	10.0	12.0	10.9	11.3	11.8	12.8
Greeting card publishing.....	277	21.9	20.0	21.0	22.0	23.0	24.0	23.8	24.4
Blankbooks and looseleaf binders....	2782	31.8	32.0	33.5	35.9	38.3	38.5	39.0	38.5
Bookbinding and related work.....	2789	23.1	23.0	22.8	24.0	23.9	24.0	23.8	23.1
Typesetting.....	2791	23.4	22.9	23.8	24.8	26.7	27.5	28.1	28.8
Other publishing and printing.....	2793-5	15.6	15.1	15.0	15.4	16.4	16.9	16.8	17.1
Alkalies and chlorine.....	2812	23.2	21.8	21.9	23.6	21.3	23.0	20.8	20.5
Industrial gases.....	2813	17.1	17.6	21.3	21.0	21.7	21.0	22.0	24.3
Inorganic pigments.....	2816	12.7	12.6	12.8	12.6	12.5	11.6	11.2	10.8
Synthetic rubber.....	2822	14.5	13.4	13.9	14.1	14.2	13.9	15.3	14.5
Cellulosic man-made fibers.....	2823	25.2	24.9	21.0	20.9	13.1	14.6	19.8	18.5
Biological products.....	2831	18.7	19.6	19.9	20.7	21.8	22.9	22.6	23.8
Medicinals and botanicals.....	2833	15.0	14.2	15.9	16.0	16.7	18.1	18.2	18.6
Nitrogenous fertilizers.....	2873	12.0	14.0	16.7	14.5	14.0	14.8	15.4	14.9
Phosphatic fertilizers.....	2874	16.8	16.2	15.6	15.0	15.0	17.7	16.8	16.5
Fertilizers, mixing only.....	2875	16.0	15.3	15.7	14.4	15.4	15.0	14.3	12.7
Agricultural chemicals, nec.....	2879	23.3	23.9	23.0	24.5	26.0	26.2	25.3	24.8
Adhesives and sealants.....	2891	14.8	15.5	16.6	18.0	19.8	20.5	20.9	20.4
Explosives.....	2892	19.7	13.6	13.7	13.1	13.4	13.1	15.7	15.3
Printing ink.....	2893	12.3	10.6	11.3	12.1	12.4	12.8	12.3	11.8
Other chemical preparations.....	2895,9	37.4	40.5	42.8	45.3	46.9	47.0	45.1	44.6
Paving mixtures and blocks.....	2951	10.0	10.1	10.1	9.7	10.3	10.0	10.0	9.4
Asphalt felts and coatings.....	2952	17.0	18.6	18.7	19.6	20.8	20.4	17.4	12.7
Misc. petroleum and coal products....	299	11.2	11.1	11.0	10.9	12.0	12.3	12.3	11.9
Fabricated rubber products.....	303,4,6	120.6	126.5	133.7	138.8	145.7	135.4	127.5	123.4

See footnote at end of table.

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

(In thousands)

Industry	1972 SIC Code	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981	March 1982
Shoe and shoe cut stock and findings.....	313	8.6	10.3	10.1	11.4	11.6	11.0	10.7	10.4
House slippers.....	3142	9.0	8.2	8.3	8.3	8.5	8.7	9.1	9.3
Footwear, except rubber, nec.....	3149	22.7	23.1	21.6	23.3	24.0	23.5	23.5	20.6
Women's handbags and purses.....	3171	17.0	20.4	19.8	18.6	18.6	17.2	17.5	17.2
Personal leather goods, nec.....	3172	10.8	14.0	13.9	14.3	13.8	14.1	12.1	11.6
Other leather products, nec.....	319,9	12.2	13.6	14.3	14.5	14.7	13.7	13.1	13.3
Service-producing.....	-	53,721	55,364	57,005	59,901	62,661	64,454	65,245	65,510
Transportation and public utilities....	40-49	4,513	4,506	4,603	4,804	5,045	5,127	5,102	5,070
Transportation.....	40-42, 44-47	2,610.2	2,617.3	2,696.8	2,828.6	2,967.4	2,974.5	2,895.0	2,788.2
Other railroads and switching and terminal companies.....	4012	53.2	43.0	43.8	48.0	50.5	54.1	40.0	32.9
Other passenger transit services.....	414,7	11.1	11.1	12.3	13.1	13.6	15.3	16.6	18.0
Trucking, local and long distance....	421	982.1	1,023.0	1,071.3	1,164.8	1,224.8	1,186.7	1,147.3	1,109.1
Trucking terminal facilities.....	423	4.5	4.6	5.0	5.2	7.1	7.6	7.2	6.9
Deep sea transportation.....	441,2	45.1	42.7	42.9	42.7	42.0	42.6	46.3	45.8
Water transportation services.....	446	108.3	107.4	103.8	117.3	115.1	112.0	114.0	106.8
Other water transportation.....	443-5	39.3	36.8	39.7	41.8	44.4	47.8	52.1	50.5
Air transportation services.....	458	36.7	36.8	39.2	41.0	45.9	49.4	49.8	50.8
Freight forwarding.....	471	36.8	36.6	40.2	43.3	45.2	49.2	52.6	53.5
Arrangement of transportation.....	472	74.1	80.5	90.6	102.6	113.8	125.7	128.2	139.5
Other transportation services.....	474,8	21.2	19.6	20.2	21.3	21.7	24.3	23.2	21.7
Telegraph communication.....	482	19.0	17.8	18.0	18.2	18.4	19.2	19.3	19.6
Communication services, nec.....	489	34.3	37.5	40.4	44.1	50.8	62.2	78.1	102.4
Water supply.....	494	18.4	18.5	19.0	19.4	20.0	20.4	20.6	20.7
Steam supply and irrigation systems..	496,7	2.6	3.0	3.3	3.2	2.5	2.5	2.7	3.3
Wholesale and retail trade.....	50-59	16,571	17,245	17,891	18,878	19,809	20,068	20,096	20,062
Wholesale trade.....	50-51	4,354	4,480	4,607	4,852	5,135	5,268	5,308	5,296
Farm-product raw materials.....	515	131.3	136.2	142.2	143.9	145.6	147.0	145.4	145.9
Retail trade.....	52-59	12,217	12,765	13,284	14,026	14,674	14,800	14,788	14,766
Paint, glass, and wallpaper stores...	523	51.3	53.2	55.7	58.0	61.1	61.7	61.6	60.4
Retail nurseries and garden stores...	526	41.5	45.7	47.0	48.5	52.5	53.7	54.1	54.0
Mobile home dealers.....	527	28.6	27.0	27.0	29.6	29.6	28.3	25.3	24.1
Other food stores.....	543-5,9	89.6	93.0	95.2	103.8	107.4	110.0	113.2	112.1
New and used car dealers.....	551	715.3	759.2	790.8	828.9	855.3	778.8	710.0	687.7
Used car dealers.....	552	40.6	45.0	45.9	47.1	48.5	43.0	40.4	40.3
Other automotive dealers.....	555-7,9	67.1	73.0	76.4	81.9	87.5	82.4	78.1	74.1
Women's accessory and specialty stores.....	563	25.4	25.0	23.6	22.8	24.0	23.2	23.0	21.4
Children's and infants' wear stores..	564	21.4	22.3	23.7	24.7	26.2	28.2	29.8	31.4
Furriers and other misc. apparel and accessories.....	568,9	30.7	32.9	34.4	37.0	43.2	44.8	48.5	51.6
Used merchandise stores.....	593	42.2	45.8	48.4	51.1	56.2	58.7	59.7	61.3
Finance, insurance, and real estate....	60-67	4,117	4,204	4,377	4,623	4,876	5,090	5,239	5,294
Mutual savings banks.....	603	49.1	53.0	58.1	62.8	66.2	70.1	74.0	73.9
Other related banking functions.....	601,4,5	56.0	56.2	57.2	59.2	61.1	64.1	68.9	73.1
Business credit institutions.....	615	24.2	23.6	22.7	23.4	29.8	31.7	32.4	34.1
Mortgage bankers and brokers.....	616	41.3	43.7	48.1	56.0	60.6	62.9	62.5	58.1
Credit agencies other than banks, nec Other security, commodity brokers and services.....	611,3	15.2	15.8	15.6	16.4	17.3	18.4	20.4	21.8
Other insurance carriers.....	622,3,8	28.1	28.9	32.4	35.5	38.5	41.5	46.6	49.6
Title abstract offices.....	635-7,9	55.4	59.9	61.8	70.8	73.0	75.5	74.3	70.5
Other abstract offices.....	654	14.9	17.0	20.3	22.6	22.8	22.2	20.6	19.2
Holding offices.....	671	37.5	37.7	41.9	44.5	51.4	50.9	53.6	63.2
Holding and other investment offices, nec.....	672,3,9	47.4	51.3	50.7	55.8	57.6	62.8	63.7	67.8
Services.....	07,70-86, 89,99	13,632	14,284	14,935	15,870	16,829	17,636	18,340	18,888
Veterinary, animal, landscape, and horticultural services.....	074,5,8	141.9	157.5	166.4	180.7	200.6	211.4	218.1	229.4
Camps and trailer parks.....	703	15.2	14.4	14.7	13.6	14.3	14.4	15.0	14.3
Other lodging places.....	702,4	21.3	20.6	18.5	17.8	16.9	16.1	15.5	15.2
Photographic studios, portrait.....	722	33.1	35.0	36.0	40.5	42.8	42.6	43.1	45.3
Barber shops.....	724	26.5	26.4	26.8	27.3	27.8	27.6	25.7	23.9
Misc. personal services.....	725,9	108.5	109.7	122.3	135.4	141.5	139.8	168.4	183.2
Other business services.....	735,9	964.4	995.6	1,035.7	1,132.0	1,239.4	1,346.9	1,402.4	1,445.8
Automotive rentals, without drivers..	751	79.7	83.1	88.3	102.5	116.3	122.2	119.8	120.2

See footnote at end of table.

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

(In thousands)

Industry	1972 SIC Code	March 1975	March 1976	March 1977	March 1978	March 1979	March 1980	March 1981	March 1982
Automobile parking.....	752	35.7	36.2	36.7	37.4	37.5	37.2	37.5	38.8
Automotive services, except repairs..	754	58.2	58.7	63.1	69.3	71.1	68.7	64.1	62.8
Electrical repair shops.....	762	65.1	68.3	69.9	76.3	84.2	86.7	87.0	85.2
Reupholstery and furniture repair....	764	20.2	21.4	22.0	22.3	23.1	22.5	22.1	21.1
Misc. repair services, nec.....	763,9	130.9	137.0	140.6	156.8	173.0	181.0	183.3	181.6
Motion picture distribution and services.....	782	10.4	9.8	10.4	11.1	10.7	10.6	11.1	10.9
Producers, orchestras, entertainers..	792	62.6	65.8	72.1	76.2	83.2	86.2	86.7	86.3
Bowling and billiard establishments..	793	103.0	106.4	112.2	115.1	116.4	117.2	114.8	111.3
Commercial sports.....	794	55.7	60.6	60.5	60.7	60.0	64.2	62.1	64.0
Amusement and recreation services, nec.....	791,9	308.9	328.0	355.7	383.0	405.1	432.6	443.5	472.5
Offices of osteopathic physicians....	803	16.3	17.5	19.4	21.0	22.0	23.9	25.1	26.3
Offices of other health practitioners..	804	59.6	62.7	69.0	77.4	85.3	95.2	104.5	116.2
Medical and dental laboratories.....	807	80.5	87.0	92.2	96.3	101.6	103.4	105.6	109.4
Health services, nec.....	808,9	108.1	122.3	135.2	157.7	172.2	206.0	236.1	251.2
Correspondence and vocational schools	824	44.6	45.9	44.4	45.9	47.0	46.7	50.3	51.8
Educational services, nec.....	823,9	52.3	56.9	54.9	63.2	69.9	70.9	69.9	69.0
Individual and family services.....	832	96.4	102.8	112.6	127.1	155.9	172.2	197.5	222.5
Job training and related services....	833	84.7	101.8	120.1	149.8	173.6	192.4	194.1	183.8
Child day care services.....	835	196.8	216.8	238.9	275.8	316.9	303.2	294.6	298.2
Residential care.....	836	141.2	152.9	175.8	190.0	196.5	209.8	227.7	231.2
Social services, nec.....	839	142.9	162.9	175.4	204.2	227.5	241.5	247.9	218.2
Museums, botanical, and zoological gardens.....	841,2	24.7	25.7	25.7	28.8	30.4	30.9	31.9	33.4
Business associations.....	861	74.3	74.7	75.6	79.7	81.9	84.0	84.8	85.0
Professional organizations.....	862	27.6	31.8	30.7	33.2	33.9	35.5	35.6	35.9
Labor organizations.....	863	138.6	138.9	142.6	141.6	146.7	150.6	147.5	146.3
Civic and social associations.....	864	293.2	294.6	296.5	304.5	305.0	309.7	310.3	300.4
Religious organizations.....	866	861.0	881.3	882.7	875.0	890.4	892.3	885.2	898.5
Political and membership org., nec...	865,9	55.9	64.9	60.4	64.9	65.0	68.2	66.0	64.4
Miscellaneous services, nec.....	892,9	106.7	107.9	109.3	116.2	125.7	133.2	138.3	130.6
Nonclassifiable establishments.....	99	80.1	123.0	110.5	111.3	94.7	107.7	169.4	203.4
Government.....	-	14,888	15,125	15,199	15,726	16,102	16,533	16,468	16,196
Federal.....	-	2,724	2,724	2,714	2,725	2,740	2,869	2,769	2,725
Small arms ammunition and ordnance..	-	26.5	27.5	28.6	19.4	19.3	19.0	20.4	21.2
Other manufacturing.....	-	43.3	40.2	41.4	32.2	33.0	31.3	31.2	30.2
Trade division.....	-	86.5	84.0	87.1	74.4	77.4	80.3	78.8	80.6
Finance division.....	-	19.5	16.5	17.2	19.1	22.9	25.4	22.8	21.5
Other services.....	-	141.2	138.7	143.9	154.7	126.9	154.2	157.7	153.6
State and local government.....	-	12,163	12,401	12,485	13,001	13,362	13,664	13,699	13,471
State government.....	-	3,258	3,311	3,427	3,502	3,607	3,688	3,731	3,744
Other State government.....	-	1,839.4	1,866.6	1,947.3	2,034.5	2,134.7	2,193.8	2,219.1	2,199.2
Construction division.....	-	272.0	257.0	268.1	271.5	280.6	293.6	290.0	259.8
Transportation and public utilities..	-	26.7	29.4	30.7	31.8	34.1	34.3	34.4	41.3
Social services.....	-	157.2	157.9	164.7	161.6	179.7	182.2	179.9	191.2
Services, except hospitals, education, and social services.....	-	85.1	89.3	93.2	103.8	106.9	124.3	144.3	124.4
All other State government.....	-	798.0	820.0	855.4	914.7	990.2	1,028.2	1,048.4	1,083.6
Local government.....	-	8,904	9,089	9,058	9,499	9,755	9,976	9,968	9,728
Other local government.....	-	3,797.9	3,901.3	3,870.7	4,113.1	4,430.5	4,481.8	4,424.9	4,215.1
Social services.....	-	187.5	188.1	186.6	228.7	227.2	200.7	200.5	136.4
Services, except hospitals, education, and social services.....	-	111.0	109.7	108.8	108.9	146.6	174.4	164.7	158.7

nec = not elsewhere classified.
- = not available.

NOTE: Includes overall total and industry division totals which are published regularly.

Seasonal Factors

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

Industry	1983									1984		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total¹												
Mining	99.4	100.2	101.6	101.3	100.9	100.4	99.5	100.0	99.8	99.2	98.8	99.1
Construction	96.4	100.7	104.0	105.9	107.0	106.0	105.8	103.7	99.2	90.3	89.1	91.8
Manufacturing¹												
Durable goods¹												
Lumber and wood products	98.4	100.5	102.7	102.6	103.5	103.3	101.5	99.6	97.8	96.1	96.5	97.2
Furniture and fixtures	100.0	99.5	99.7	97.4	99.7	101.2	101.1	101.1	100.9	100.0	99.9	99.6
Stone, clay, and glass products	99.1	100.5	102.2	102.0	102.5	102.8	102.0	101.2	99.0	96.1	95.5	97.0
Primary metal industries	101.0	100.6	101.1	99.6	100.2	100.7	99.1	99.0	98.5	99.7	99.7	100.7
Fabricated metal products	99.9	99.9	100.6	99.1	99.7	101.2	100.6	100.6	100.0	99.2	99.5	99.8
Machinery, except electrical	100.6	100.3	100.6	99.3	98.8	100.0	99.7	99.8	100.2	99.9	100.2	100.7
Electric and electronic equipment	99.8	99.9	100.5	99.6	99.9	100.7	100.4	100.2	100.2	99.7	99.5	99.6
Transportation equipment	100.2	100.7	100.8	99.2	97.7	101.5	100.8	100.8	99.9	98.8	99.1	100.4
Instruments and related products	99.8	99.9	100.8	100.3	100.3	100.2	99.9	100.0	100.1	99.6	99.5	99.6
Miscellaneous manufacturing ind.	99.2	99.6	100.8	98.0	101.4	102.9	103.1	102.3	99.0	96.9	97.8	98.8
Nondurable goods¹												
Food and kindred products	95.9	97.1	99.0	101.7	105.8	106.2	103.7	101.3	99.3	96.8	96.5	96.5
Tobacco manufactures	92.9	91.9	93.9	93.2	105.2	107.3	107.0	105.4	105.0	103.2	99.6	95.6
Textile mill products	100.0	100.2	100.2	98.3	100.3	101.0	100.7	100.6	100.4	99.2	99.6	99.6
Apparel and other textile products	100.0	100.6	101.7	96.3	100.6	101.6	101.4	100.8	99.0	98.2	99.7	100.0
Paper and allied products	99.7	99.8	100.8	100.1	100.6	100.6	100.2	100.2	99.9	99.4	99.2	99.6
Printing and publishing ²	100.0	99.9	100.0	99.6	99.6	99.8	99.9	100.3	100.7	100.0	100.1	100.3
Chemicals and allied products	99.8	100.0	100.9	100.5	100.6	100.1	99.8	99.8	99.7	99.3	99.6	99.9
Petroleum and coal products	98.7	100.1	101.1	101.8	101.9	101.4	101.3	100.7	99.2	97.8	97.6	98.2
Rubber and misc. plastic products	100.1	100.0	101.0	99.0	100.3	101.3	100.7	100.2	99.6	99.1	99.3	99.5
Leather and leather products	99.8	100.9	102.8	95.3	102.0	101.8	101.5	101.6	99.5	98.0	98.2	98.4
Transportation and public utilities	99.3	100.0	100.8	100.3	100.3	101.0	100.9	100.6	100.6	98.7	98.6	98.9
Wholesale and retail trade¹												
Wholesale trade	99.7	100.0	100.6	100.5	100.3	100.2	100.4	100.4	100.2	99.2	99.1	99.4
Retail trade	99.1	100.1	100.6	100.2	100.5	100.8	100.4	101.4	103.6	98.6	97.2	97.6
Finance, insurance, and real estate	99.6	100.0	101.0	101.3	101.1	100.1	99.7	99.6	99.7	99.3	99.2	99.4
Services	100.2	100.4	100.8	100.8	100.6	100.2	100.3	100.0	99.7	98.5	99.0	99.6
Government¹												
Federal	99.9	100.0	101.7	102.1	101.2	98.8	99.3	99.3	99.5	99.2	99.5	99.6
State and local	102.4	102.4	100.7	94.4	93.5	97.3	100.8	101.9	101.7	100.2	102.0	102.6

¹ Seasonally adjusted data derived by summation of components.

² No ARIMA models identified to extend series for one year. Factors shown relate to data from latest year (April 1982-March 1983).

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

Industry	1983									1984		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total¹												
Mining	99.5	99.6	102.0	101.9	102.0	100.4	99.1	99.7	99.2	98.9	98.6	99.2
Construction	99.0	99.8	101.5	102.2	102.3	101.1	100.7	100.2	99.5	98.4	97.5	97.8
Manufacturing¹												
Durable goods¹												
Lumber and wood products	99.2	101.1	101.8	100.8	102.0	102.5	101.4	100.2	98.8	97.1	97.0	98.1
Furniture and fixtures	100.4	99.7	99.3	96.4	99.1	100.8	101.3	101.4	101.3	100.1	100.0	100.2
Stone, clay, and glass products	98.9	99.6	101.3	100.6	101.3	101.9	101.6	100.6	99.3	98.0	98.2	98.6
Primary metal industries	100.1	100.5	101.1	100.4	100.6	101.3	100.0	99.7	98.8	98.8	98.9	99.6
Fabricated metal products	100.1	100.1	100.7	98.7	99.6	101.3	101.0	100.7	99.6	99.0	99.3	99.9
Machinery, except electrical	100.4	100.1	100.3	99.2	98.8	99.9	99.8	100.1	100.3	100.1	100.3	100.6
Electric and electronic equipment	99.9	100.2	100.8	99.2	99.7	100.7	100.5	100.3	100.3	99.5	99.3	99.7
Transportation equipment	99.7	99.9	100.9	99.8	98.8	101.3	101.3	101.2	99.9	98.9	98.8	99.6
Instruments and related products	100.0	100.2	101.2	99.8	100.1	100.2	100.0	100.0	100.1	99.5	99.5	99.6
Miscellaneous manufacturing ind.	98.9	99.6	100.6	97.0	101.6	104.3	104.3	103.2	98.6	95.9	97.2	98.8
Nondurable goods¹												
Food and kindred products	93.2	94.8	97.2	102.1	110.2	111.1	106.9	102.6	98.7	94.7	94.2	94.4
Tobacco manufactures	89.1	88.9	90.4	89.7	107.9	111.1	112.3	107.6	106.3	103.5	99.8	93.5
Textile mill products	99.9	100.3	100.4	98.2	100.5	101.3	101.1	101.0	100.3	98.8	99.1	99.2
Apparel and other textile products	100.1	100.6	101.8	95.9	100.4	101.5	101.4	100.7	99.2	98.2	100.0	100.3
Paper and allied products	99.7	100.3	100.9	100.1	101.2	101.0	100.6	100.0	99.6	98.7	98.6	99.4
Printing and publishing	100.2	99.9	99.9	99.5	99.5	99.7	100.0	100.3	100.7	99.9	100.1	100.4
Chemicals and allied products	99.5	99.9	101.1	100.7	100.8	100.4	99.9	99.9	99.5	98.9	99.4	99.9
Petroleum and coal products	98.0	99.4	101.3	102.8	102.4	101.2	100.2	100.1	99.8	98.7	98.2	98.1
Rubber and misc. plastic products ²	99.5	99.7	101.0	98.3	99.6	101.8	101.5	101.0	100.1	99.0	99.2	99.2
Leather and leather products ²	99.7	100.7	102.6	95.4	102.3	102.1	101.9	101.8	99.1	97.8	98.0	98.3
Transportation and public utilities	99.5	100.2	100.6	99.1	99.1	100.6	100.9	100.9	100.8	99.6	99.3	99.5
Wholesale and retail trade¹												
Wholesale trade	99.5	99.9	100.1	99.5	99.6	100.3	101.2	101.1	100.8	99.2	99.2	99.6
Retail trade	98.5	99.6	100.2	99.5	100.0	100.8	100.5	102.3	105.6	98.9	96.9	97.2
Finance, insurance, and real estate	99.8	99.9	100.7	100.8	100.6	99.8	99.7	99.8	99.9	99.5	99.6	99.9
Services	100.4	100.3	100.3	100.0	99.7	100.1	100.4	100.2	99.9	99.1	99.5	100.1
Government¹												
Federal	100.2	100.2	102.0	102.3	101.3	98.6	98.6	98.9	99.3	99.2	99.6	99.6
State and local	104.1	103.7	100.8	89.7	88.3	96.9	101.5	103.2	103.0	101.5	103.4	104.1

¹ Seasonally adjusted data derived by summation of components.

² No ARIMA models identified to extend series for one year. Factors shown relate to data from latest year (April 1982-March 1983).

Table 10. Seasonal adjustment factors for production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

Industry	1983									1984		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total private²												
Mining	99.0	100.1	101.6	101.3	100.8	100.6	99.7	100.2	99.9	99.1	98.5	99.0
Construction	95.6	100.9	104.8	107.1	108.5	107.5	107.3	104.7	99.0	88.2	86.5	89.9
Manufacturing²												
Durable goods²												
Lumber and wood products	98.2	100.6	103.1	103.0	104.0	103.9	101.7	99.4	97.4	95.6	96.2	96.8
Furniture and fixtures	99.8	99.3	99.6	97.0	99.6	101.5	101.4	101.2	101.0	99.9	99.9	99.5
Stone, clay, and glass products	98.9	100.6	102.7	102.3	103.0	103.5	102.5	101.5	98.9	95.2	94.4	96.5
Primary metal industries	101.2	100.7	101.3	99.4	100.0	101.0	99.0	98.7	98.2	99.9	99.7	100.9
Fabricated metal products	100.0	99.9	100.7	98.7	99.6	101.6	100.8	100.8	100.0	98.9	99.3	99.8
Machinery, except electrical	100.9	100.6	100.8	98.8	98.0	100.2	99.6	99.7	100.2	100.0	100.3	101.0
Electric and electronic equipment	100.0	100.2	100.7	99.0	99.5	100.9	100.4	100.0	100.2	99.7	99.6	99.8
Transportation equipment	100.4	101.5	101.2	98.2	96.0	102.0	101.2	101.4	100.0	98.2	98.9	100.9
Instruments and related products	99.8	100.1	101.0	100.1	100.3	100.2	99.7	99.9	100.2	99.6	99.3	99.7
Miscellaneous manufacturing ind.	99.0	99.7	101.0	97.4	101.9	103.8	104.0	103.1	98.5	95.9	97.0	98.6
Nondurable goods²												
Food and kindred products	94.5	96.0	98.4	101.9	107.9	108.8	105.2	101.7	99.0	95.7	95.5	95.3
Tobacco manufactures	91.0	90.2	92.4	91.6	106.3	109.4	109.0	106.8	106.1	103.7	99.4	94.2
Textile mill products	99.9	100.1	100.2	98.1	100.3	101.2	100.9	100.7	100.4	99.1	99.5	99.5
Apparel and other textile products	99.9	100.6	102.0	95.9	100.7	101.9	101.5	100.8	98.8	98.0	99.7	100.2
Paper and allied products	99.6	99.7	100.9	100.0	100.7	100.8	100.2	100.3	99.9	99.3	99.1	99.5
Printing and publishing	100.3	100.0	99.7	99.0	99.4	99.9	99.9	100.3	101.0	99.9	100.2	100.5
Chemicals and allied products	100.0	100.5	101.2	100.1	100.3	100.2	99.6	99.6	99.6	99.2	99.5	100.1
Petroleum and coal products	98.5	100.3	101.8	102.5	102.6	102.1	102.0	100.9	98.7	97.0	96.2	97.3
Rubber and misc. plastic products	100.2	100.0	101.1	98.6	100.2	101.6	100.9	100.2	99.5	99.0	99.3	99.3
Leather and leather products	99.7	101.0	103.0	94.8	102.4	102.1	101.9	101.9	99.3	97.5	98.0	98.3
Transportation and public utilities	99.3	100.1	101.0	100.3	100.2	101.1	101.0	100.7	100.6	98.5	98.5	98.8
Wholesale and retail trade²												
Wholesale trade	99.6	99.9	100.7	100.6	100.4	100.2	100.5	100.4	100.2	99.0	99.0	99.4
Retail trade	99.0	100.0	100.6	100.1	100.4	100.8	100.4	101.5	104.0	98.6	97.0	97.4
Finance, insurance, and real estate	99.5	100.0	101.2	101.7	101.4	100.2	99.7	99.6	99.6	99.0	99.0	99.2
Services	100.3	100.4	100.8	100.9	100.6	100.2	100.3	100.0	99.7	98.3	98.9	99.6

¹ 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.

² Seasonally adjusted data derived by summation of components.

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	1983									1984		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total private¹												
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)
Manufacturing²												
Durable goods²												
Lumber and wood products	99.4	100.9	102.0	100.4	101.5	100.6	100.4	99.7	100.2	96.6	98.3	99.8
Furniture and fixtures	99.3	99.4	100.7	98.1	101.0	100.4	101.5	100.9	102.2	97.1	98.6	100.8
Stone, clay, and glass products	99.8	100.5	101.3	100.4	101.0	100.8	100.9	100.8	100.7	96.8	97.4	99.5
Primary metal industries	100.5	99.5	100.4	99.3	99.2	100.4	98.9	99.9	101.0	100.1	100.0	100.8
Fabricated metal products	99.2	100.1	100.7	98.8	99.8	99.6	100.2	100.6	102.2	99.0	99.1	100.6
Machinery, except electrical	99.4	99.8	99.8	98.6	98.9	99.7	99.6	100.7	102.8	100.0	99.9	100.9
Electric and electronic equipment	99.3	99.8	100.2	98.8	99.6	99.7	100.0	100.8	102.3	99.4	99.6	100.7
Transportation equipment	99.2	100.7	101.0	99.4	98.6	98.3	100.2	100.9	103.3	98.9	99.3	100.3
Instruments and related products	99.0	99.8	100.2	98.8	99.8	100.1	100.0	101.1	101.6	99.2	99.8	100.5
Miscellaneous manufacturing ind.	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Nondurable goods²												
Food and kindred products	98.3	99.8	100.0	100.3	101.1	101.3	100.3	100.8	101.2	99.4	98.6	99.0
Tobacco manufactures	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Textile mill products	99.0	100.3	101.0	98.8	100.6	100.2	101.0	100.7	100.7	98.0	99.2	100.3
Apparel and other textile products	99.1	100.0	101.3	100.8	101.0	99.9	100.7	100.8	100.6	96.7	98.8	100.3
Paper and allied products	99.5	99.4	100.2	99.5	99.7	100.5	100.1	100.5	101.8	99.8	99.1	99.8
Printing and publishing	99.3	99.6	99.6	99.6	100.4	100.5	100.1	100.4	102.1	99.0	99.1	100.4
Chemicals and allied products	99.9	99.7	99.9	99.5	99.4	100.5	100.1	100.6	101.2	99.5	99.6	100.0
Petroleum and coal products	100.6	100.2	100.5	101.3	100.0	102.6	100.7	100.8	99.7	97.8	97.6	98.2
Rubber and misc. plastic products	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Leather and leather products	98.6	100.8	102.6	100.4	100.7	99.5	99.3	100.3	100.9	98.4	99.1	99.2
Transportation and public utilities	99.5	99.4	100.5	100.7	100.6	99.9	100.0	100.3	100.7	99.0	99.6	99.8
Wholesale and retail trade²												
Wholesale trade	99.5	99.8	100.1	100.6	100.4	100.0	100.3	100.2	100.8	99.4	99.2	99.8
Retail trade	99.2	99.4	100.8	102.7	102.7	100.6	99.7	99.4	101.4	97.7	97.9	98.6
Finance, insurance, and real estate	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Services	99.6	99.5	100.5	101.5	101.2	99.8	99.7	99.6	99.9	99.5	99.6	99.7

¹ 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.

² Seasonally adjusted data derived by summation of components.

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

Industry	1983									1984		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Manufacturing¹												
Durable goods	91.3	99.6	102.9	96.2	101.5	104.4	101.7	102.4	109.8	93.4	96.2	100.2
Nondurable goods	89.9	95.9	99.6	98.4	106.7	112.0	105.0	103.2	102.6	96.1	93.8	96.6

¹ Seasonally adjusted data derived by summation of components.

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

Industry	1983									1984		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total private¹												
Mining	(3)	(3)	(3)	(2)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Construction	99.0	99.5	99.1	99.7	100.1	100.6	101.0	100.0	100.7	100.8	100.1	99.5
Manufacturing	99.9	99.9	99.9	100.1	99.4	100.3	99.8	99.9	100.6	100.4	99.9	99.9
Transportation and public utilities	99.6	99.3	99.1	99.8	100.4	100.7	100.3	100.8	100.4	100.3	100.2	99.2
Wholesale and retail trade	100.3	100.1	99.6	99.5	99.3	100.0	99.7	99.8	99.1	101.1	101.0	100.5
Finance, insurance, and real estate	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)
Services	100.1	99.9	99.2	98.9	98.9	99.9	100.2	100.5	100.4	101.0	100.7	100.3

¹ 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.

² Seasonally adjusted data derived by summation of components.
³ 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	1983									1984		
	Apr. ¹	May ²	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
Total private¹												
Mining	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Construction	98.9	99.6	99.4	100.1	100.5	101.1	101.3	100.3	100.4	100.1	99.4	99.1
Manufacturing³												
Durable goods	99.9	99.8	100.0	100.0	99.6	100.1	100.1	100.1	100.3	100.2	99.9	99.8
Nondurable goods	100.2	99.9	99.8	100.0	99.8	100.1	99.8	99.9	100.1	100.4	100.2	99.9
Transportation and public utilities	99.7	99.5	99.1	99.5	100.1	100.6	100.3	100.7	100.4	100.4	100.4	99.4
Wholesale and retail trade⁴												
Wholesale trade	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Retail trade	100.4	100.3	99.9	99.9	99.7	100.1	99.6	99.7	99.2	100.5	100.5	100.2
Finance, insurance, and real estate	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Services	100.1	100.0	99.4	99.4	99.2	99.9	99.9	100.2	100.0	100.8	100.7	100.4

¹ 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.

² The seasonal factors for the April 1984 and May 1984 preliminary estimates will

be those shown for April 1983 and May 1983.

³ Seasonally adjusted data derived from components.

⁴ 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, 1950 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
1950	106,164	63,377	59.7	60,087	1,189	58,918	7,160	51,758	3,288	5.2	42,787	
1951	106,764	64,160	60.1	62,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604	
1952	107,617	64,524	60.0	62,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093	
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041	
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660	
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402	
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,068	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	78,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,617	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	146,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,687	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.8	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	168,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
Monthly data, seasonally adjusted²												
1982:												
May	173,691	112,043	64.5	101,659	1,665	99,994	3,446	96,548	10,384	9.3	61,648	
June	173,854	111,811	64.3	101,345	1,664	99,681	3,371	98,310	10,466	9.4	62,043	
July	174,038	112,090	64.4	101,262	1,674	99,588	3,445	96,143	10,828	9.7	61,948	
August	174,200	112,303	64.5	101,372	1,689	99,683	3,429	96,254	10,931	9.7	61,897	
September	174,360	112,528	64.5	101,213	1,670	99,543	3,363	96,180	11,315	10.1	61,832	
October	174,549	112,420	64.4	100,844	1,668	99,176	3,413	95,763	11,576	10.3	62,129	
November	174,718	112,702	64.5	100,796	1,660	99,136	3,466	95,670	11,908	10.6	62,016	
December	174,864	112,794	64.5	100,758	1,665	99,093	3,411	95,682	12,038	10.7	62,070	
1983:												
January	175,021	112,215	64.1	100,770	1,667	99,103	3,412	95,691	11,446	10.2	62,806	
February	175,169	112,217	64.1	100,727	1,684	99,063	3,393	95,670	11,490	10.2	62,952	
March	175,320	112,148	64.0	100,767	1,684	99,103	3,375	95,729	11,381	10.1	63,172	
April	175,465	112,457	64.1	101,129	1,671	99,458	3,371	96,088	11,328	10.1	63,008	
May	175,622	112,418	64.0	101,228	1,689	99,557	3,367	96,190	11,192	10.0	63,204	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

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

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
1972 ¹	69,607	55,327	79.5	52,668	1,772	50,896	2,849	48,047	2,859	4.8	14,280	
1973 ¹	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,867	
1974	72,488	57,397	79.2	54,882	1,858	53,024	2,919	50,105	2,714	4.7	15,069	
1975	73,691	57,899	78.4	53,457	1,800	51,657	2,824	49,032	4,442	7.7	15,993	
1976	75,341	56,756	78.0	54,720	1,582	53,138	2,744	50,384	4,036	6.8	16,585	
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,067	3,667	6.1	16,797	
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	18,956	
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,666	54,921	3,120	5.0	17,293	
1980	80,677	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,287	6.6	17,845	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,887	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
Monthly data, seasonally adjusted²												
1982:												
May	62,929	64,172	77.4	58,251	1,527	56,724	2,773	53,951	5,921	9.2	16,757	
June	63,006	63,851	76.9	57,775	1,526	56,249	2,729	53,520	6,076	9.5	18,155	
July	63,097	63,698	76.9	57,664	1,537	56,127	2,781	53,346	6,234	9.6	19,199	
August	63,173	64,055	77.0	57,710	1,551	56,159	2,771	53,368	6,345	9.9	19,116	
September	63,231	64,301	77.3	57,598	1,526	56,072	2,707	53,365	6,703	10.4	18,930	
October	63,323	64,300	77.2	57,456	1,524	55,932	2,784	53,168	6,844	10.6	19,023	
November	63,402	64,414	77.2	57,408	1,516	55,892	2,793	53,099	7,006	10.9	18,988	
December	63,561	64,384	77.0	57,338	1,529	55,809	2,710	53,099	7,046	10.9	18,197	
1983:												
January	63,652	63,916	76.4	57,283	1,531	55,752	2,726	53,024	6,633	10.4	19,736	
February	63,720	63,996	76.4	57,234	1,528	55,706	2,652	53,054	6,782	10.6	19,724	
March	63,789	63,957	76.3	57,300	1,528	55,772	2,671	53,101	6,857	10.4	19,832	
April	63,656	64,207	76.6	57,476	1,530	55,846	2,683	53,263	6,731	10.5	19,649	
May	63,831	64,276	76.6	57,656	1,528	56,128	2,716	53,411	6,620	10.3	19,655	
Annual averages												
WOMEN												
1972 ¹	76,331	33,520	43.9	31,298	41	31,257	635	30,622	2,222	6.6	42,811	
1973 ¹	77,853	34,853	44.8	32,764	49	32,715	622	32,093	2,089	6.0	43,000	
1974	79,375	36,274	45.7	33,832	63	33,769	596	33,173	2,441	6.7	43,101	
1975	80,936	37,553	46.4	34,067	78	33,989	584	33,404	3,486	9.3	43,386	
1976	82,476	39,069	47.4	35,701	88	35,615	588	35,027	3,369	8.6	43,406	
1977	83,832	40,705	48.5	37,361	92	37,269	612	36,677	3,324	8.2	43,227	
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703	
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,606	
1980	86,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	48,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,687	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
Monthly data, seasonally adjusted²												
1982:												
May	90,762	47,871	52.7	43,408	138	43,270	673	42,597	4,463	9.3	42,891	
June	90,848	47,960	52.8	43,570	138	43,432	642	42,790	4,390	9.2	42,866	
July	90,941	48,192	53.0	43,596	137	43,461	664	42,797	4,594	9.5	42,749	
August	91,027	48,248	53.0	43,662	138	43,524	658	42,866	4,596	9.5	42,779	
September	91,129	48,227	52.9	43,615	144	43,471	656	42,815	4,612	9.6	42,902	
October	91,226	48,120	52.7	43,366	144	43,244	649	42,595	4,732	9.8	43,106	
November	91,316	48,288	52.9	43,388	144	43,244	673	42,571	4,900	10.1	43,028	
December	91,283	48,410	53.0	43,420	138	43,284	701	42,583	4,960	10.3	42,873	
1983:												
January	91,369	48,299	52.9	43,486	136	43,350	684	42,666	4,813	10.0	43,070	
February	91,449	48,220	52.7	43,493	136	43,357	740	42,617	4,727	9.8	43,229	
March	91,532	48,191	52.6	43,467	136	43,331	704	42,627	4,724	9.6	43,341	
April	91,609	48,251	52.7	43,653	141	43,512	668	42,824	4,597	9.5	43,358	
May	91,691	48,142	52.5	43,569	141	43,428	649	42,779	4,572	9.5	43,549	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	May 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	173,953	110,308	63.4	99,543	10,765	9.8	63,644	32,400	9,737	2,584	18,944
16 to 19 years	15,342	7,690	50.1	5,948	1,742	22.7	7,652	542	6,503	32	576
16 to 17 years	7,415	2,869	38.7	2,125	744	25.9	4,546	117	4,242	8	178
18 to 19 years	7,927	4,821	60.8	3,823	998	20.7	3,107	425	2,260	24	397
20 to 24 years	20,817	15,704	75.4	13,310	2,395	15.2	5,112	2,093	2,179	55	785
25 to 54 years	89,988	71,928	79.9	68,068	5,860	8.1	18,060	13,668	1,015	632	2,547
25 to 34 years	39,052	31,731	81.3	28,878	3,053	9.6	7,321	5,478	703	199	942
25 to 29 years	20,462	16,642	81.3	14,858	1,785	10.7	3,821	2,735	494	98	495
30 to 34 years	18,590	15,090	81.2	13,821	1,269	8.4	3,500	2,741	210	101	447
35 to 44 years	28,772	23,381	81.2	21,667	1,694	7.2	5,411	4,259	233	251	669
35 to 39 years	15,879	12,840	80.9	11,854	987	7.7	3,038	2,420	158	107	359
40 to 44 years	12,893	10,520	81.6	9,813	707	6.7	2,373	1,845	75	143	310
45 to 54 years	22,164	16,838	76.0	15,723	1,113	8.6	5,328	3,932	79	383	935
45 to 49 years	11,064	8,720	78.8	8,107	613	7.0	2,345	1,763	48	189	345
50 to 54 years	11,100	8,116	73.1	7,816	500	6.2	2,984	2,149	31	213	590
55 to 64 years	21,997	11,856	54.4	11,302	654	5.5	10,041	5,775	29	683	3,553
55 to 59 years	11,391	7,274	63.9	6,859	415	5.7	4,117	2,678	11	315	1,113
60 to 64 years	10,607	4,683	44.1	4,443	240	5.1	5,924	3,098	18	368	2,440
65 years and over	25,808	3,030	11.7	2,915	114	3.8	22,779	10,323	11	961	11,484
65 to 69 years	8,867	1,763	19.9	1,694	68	3.9	7,104	3,260	2	232	3,609
70 years and over	16,942	1,266	7.5	1,220	46	3.8	15,674	7,063	9	728	7,875
Men											
16 years and over	82,403	62,537	75.9	58,175	6,382	10.2	19,866	406	4,908	1,512	13,040
16 to 19 years	7,691	4,079	53.0	3,154	925	22.7	3,812	15	3,263	18	316
16 to 17 years	3,766	1,533	40.7	1,142	390	25.5	2,234	1	2,125	3	106
18 to 19 years	3,925	2,547	64.9	2,012	535	21.0	1,378	14	1,138	15	210
20 to 24 years	10,146	8,460	83.4	7,027	1,433	16.9	1,688	29	1,174	38	447
25 to 54 years	43,766	41,064	93.8	37,570	3,494	8.5	2,705	134	482	579	1,531
25 to 34 years	19,093	17,994	94.2	16,156	1,838	10.2	1,099	49	387	134	549
25 to 29 years	10,018	9,369	93.5	8,309	1,061	11.3	649	26	279	60	285
30 to 34 years	9,075	8,625	95.0	7,847	778	9.0	450	23	89	74	264
35 to 44 years	13,968	13,308	95.1	12,310	998	7.5	680	34	63	166	395
35 to 39 years	7,723	7,381	95.6	6,781	601	8.1	341	17	44	78	204
40 to 44 years	6,266	5,927	94.6	5,529	398	6.7	339	17	19	112	191
45 to 54 years	10,667	9,762	91.3	9,105	657	6.7	926	50	31	256	587
45 to 49 years	5,359	5,030	93.9	4,665	364	7.2	330	20	15	103	192
50 to 54 years	5,328	4,732	88.8	4,440	292	8.2	596	30	16	154	365
55 to 64 years	10,258	7,120	69.4	6,683	437	6.1	3,138	43	8	471	2,618
55 to 59 years	5,361	4,330	80.8	4,055	275	6.4	1,031	14	1	216	799
60 to 64 years	4,897	2,790	57.0	2,828	162	5.8	2,107	29	5	255	1,818
65 years and over	10,539	1,815	17.2	1,741	73	4.0	8,725	185	3	407	6,129
65 to 69 years	3,949	1,029	26.1	986	43	4.2	2,920	36	2	127	2,752
70 years and over	8,591	785	11.9	755	30	3.8	5,605	147	1	260	5,378
Women											
16 years and over	91,550	47,771	52.2	43,366	4,404	9.2	43,779	31,994	4,829	1,052	5,903
16 to 19 years	7,651	3,611	47.2	2,794	817	22.8	4,041	528	3,239	14	260
16 to 17 years	3,648	1,337	36.6	982	354	26.5	2,312	116	2,117	6	73
18 to 19 years	4,003	2,274	56.8	1,811	483	20.3	1,729	411	1,122	8	187
20 to 24 years	10,671	7,245	67.9	6,263	962	13.3	3,426	2,063	1,006	19	336
25 to 54 years	46,220	30,865	66.8	28,498	2,367	7.7	15,355	13,534	553	253	1,018
25 to 34 years	19,959	13,736	68.8	12,522	1,215	8.8	6,221	5,427	338	65	393
25 to 29 years	10,444	7,273	69.6	6,549	724	10.0	3,172	2,709	215	36	210
30 to 34 years	9,515	8,485	89.1	7,974	491	7.6	3,050	2,718	121	27	163
35 to 44 years	14,784	10,053	68.0	9,357	695	6.9	4,731	4,225	170	82	274
35 to 39 years	8,156	5,459	66.9	5,073	366	7.1	2,697	2,397	114	31	155
40 to 44 years	6,627	4,593	69.3	4,284	309	6.7	2,034	1,828	56	31	119
45 to 54 years	11,477	7,074	61.8	6,616	456	8.4	4,403	3,662	47	125	348
45 to 49 years	5,705	3,690	64.7	3,442	249	6.7	2,015	1,763	33	66	153
50 to 54 years	5,772	3,384	58.6	3,176	208	8.1	2,388	2,119	15	59	195
55 to 64 years	11,739	4,836	41.2	4,819	217	4.5	6,903	5,732	23	212	935
55 to 59 years	6,030	2,943	48.8	2,804	139	4.7	3,086	2,663	10	100	313
60 to 64 years	5,710	1,893	33.2	1,815	78	4.1	3,817	3,069	13	113	622
65 years and over	15,269	1,215	8.0	1,174	41	3.4	14,054	10,138	8	553	3,354
65 to 69 years	4,918	734	14.9	706	25	3.5	4,184	3,222	-	105	857
70 years and over	10,351	481	4.6	465	16	3.3	9,889	6,916	8	448	2,497

HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

Age, sex, and race	May 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	150,671	96,010	63.7	87,814	8,195	8.5	54,661	28,633	7,592	2,119	16,317
18 to 19 years	12,699	8,808	53.8	5,457	1,350	19.8	5,891	450	4,996	29	414
18 to 17 years	6,130	2,586	42.2	1,978	808	23.5	3,544	101	3,291	6	147
18 to 19 years	6,569	4,222	64.3	3,480	743	17.8	2,348	349	1,708	23	267
20 to 24 years	17,539	13,505	77.0	11,786	1,720	12.7	4,034	1,647	1,784	48	555
25 to 54 years	77,511	62,242	80.3	57,757	4,485	7.2	15,270	11,898	769	676	1,927
25 to 34 years	33,294	27,204	81.7	24,911	2,293	8.4	8,089	4,745	522	164	859
25 to 29 years	17,402	14,271	82.0	12,929	1,343	9.4	3,130	2,337	373	81	339
30 to 34 years	15,892	12,932	81.4	11,982	951	7.4	2,959	2,407	149	83	320
35 to 44 years	24,901	20,315	81.6	19,003	1,312	6.5	4,585	3,698	191	194	502
35 to 39 years	13,728	11,161	81.3	10,409	753	9.3	2,566	2,126	125	80	265
40 to 44 years	11,174	9,154	81.9	8,595	560	6.1	2,020	1,604	66	114	237
45 to 54 years	19,317	14,721	76.2	13,841	880	6.0	4,596	3,456	56	318	766
45 to 49 years	9,576	7,540	78.7	7,072	468	8.2	2,036	1,578	40	142	278
50 to 54 years	9,742	7,181	73.7	6,769	413	6.5	2,580	1,896	17	176	487
55 to 64 years	19,817	10,893	54.5	10,137	556	5.2	8,924	5,192	29	563	3,140
55 to 59 years	10,124	6,520	64.4	6,172	349	5.3	3,604	2,393	10	258	942
60 to 64 years	9,493	4,172	44.0	3,965	207	5.0	5,320	2,799	19	304	2,196
65 years and over	23,305	2,762	11.9	2,678	84	3.0	20,543	9,445	11	804	10,263
65 to 69 years	7,990	1,609	20.1	1,556	53	3.3	6,380	2,960	2	184	3,224
70 years and over	15,315	1,153	7.5	1,122	31	2.7	14,162	6,485	9	611	7,059
Men											
16 years and over	71,902	55,126	76.7	50,194	4,932	8.9	16,776	319	3,843	1,240	11,375
18 to 19 years	6,361	3,595	56.3	2,903	692	19.3	2,788	11	2,520	17	236
18 to 17 years	3,127	1,384	44.3	1,071	313	22.6	1,742	1	1,648	2	91
18 to 19 years	3,254	2,210	67.9	1,831	379	17.1	1,044	10	872	14	147
20 to 24 years	6,635	7,290	84.4	6,224	1,066	14.6	1,345	20	977	34	314
25 to 54 years	38,173	36,126	94.8	33,384	2,742	7.6	2,047	100	337	467	1,143
25 to 34 years	18,508	15,718	85.2	14,267	1,448	9.2	793	36	271	105	381
25 to 29 years	6,648	6,174	94.5	7,350	825	10.1	474	18	218	45	195
30 to 34 years	7,860	7,541	95.9	8,918	624	8.3	319	20	53	60	186
35 to 44 years	12,276	11,768	95.9	10,993	775	6.6	507	24	45	145	293
35 to 39 years	6,785	6,543	98.4	6,085	458	7.0	242	10	30	58	146
40 to 44 years	5,491	5,225	95.2	4,908	318	6.1	268	14	16	89	147
45 to 54 years	9,369	8,642	92.0	8,123	519	8.0	747	40	21	218	488
45 to 49 years	4,674	4,411	94.4	4,131	280	6.3	263	19	14	66	144
50 to 54 years	4,718	4,231	89.7	3,992	240	5.7	485	22	7	132	324
55 to 64 years	9,205	6,447	70.0	6,066	379	5.9	2,758	33	8	361	2,336
55 to 59 years	4,610	3,934	81.8	3,694	240	6.1	678	12	1	178	687
60 to 64 years	4,396	2,513	57.2	2,374	139	5.5	1,983	21	5	205	1,651
65 years and over	9,508	1,668	17.5	1,616	52	3.1	7,840	154	3	342	7,341
65 to 69 years	3,570	946	26.5	915	31	3.3	2,623	31	2	111	2,479
70 years and over	5,936	722	12.2	701	21	2.9	5,216	123	1	231	4,662
Women											
16 years and over	78,769	40,884	51.9	37,821	3,263	8.0	37,665	28,315	3,749	679	4,943
18 to 19 years	6,318	3,213	50.9	2,555	658	20.5	3,105	439	2,479	12	175
18 to 17 years	3,003	1,201	40.0	907	294	24.5	1,802	100	1,643	4	56
18 to 19 years	3,314	2,012	60.7	1,648	364	18.1	1,302	339	636	6	120
20 to 24 years	6,904	8,216	68.8	5,582	654	10.5	2,668	1,628	807	14	240
25 to 54 years	39,336	26,118	66.4	24,373	1,743	6.7	13,223	11,798	432	209	784
25 to 34 years	18,765	11,489	61.3	10,644	845	7.4	5,297	4,708	251	59	278
25 to 29 years	6,754	6,097	69.7	5,579	518	8.5	2,856	2,321	155	36	144
30 to 34 years	6,032	5,391	67.1	5,064	327	6.1	2,640	2,387	96	23	134
35 to 44 years	12,625	8,547	67.7	8,010	537	6.3	4,076	3,674	146	49	209
35 to 39 years	6,943	4,618	66.5	4,324	295	6.4	2,324	2,085	95	24	119
40 to 44 years	5,883	3,929	66.8	3,687	242	6.2	1,754	1,589	50	25	90
45 to 54 years	9,826	6,079	61.2	5,719	361	5.9	3,849	3,416	35	100	297
45 to 49 years	4,902	3,129	63.6	2,941	188	8.0	1,773	1,557	26	56	134
50 to 54 years	5,026	2,950	58.7	2,777	173	5.9	2,075	1,856	10	44	163
55 to 64 years	10,411	4,248	40.8	4,069	177	4.2	6,166	5,159	23	162	801
55 to 59 years	5,314	2,586	48.7	2,477	109	4.2	2,728	2,382	9	82	255
60 to 64 years	5,097	1,659	32.6	1,592	66	4.1	3,436	2,777	14	100	547
65 years and over	13,797	1,094	7.9	1,062	32	2.9	12,703	9,291	8	462	2,842
65 to 69 years	4,420	663	15.0	641	22	3.3	3,757	2,929	-	63	745
70 years and over	9,377	431	4.6	421	10	2.3	6,946	6,362	8	360	2,197

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	May 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
18 years and over	18,660	11,526	81.0	9,234	2,292	19.9	7,354	3,042	1,660	409	2,245
18 to 19 years	2,233	749	33.5	398	351	46.9	1,484	80	1,262	3	140
18 to 17 years	1,098	238	21.7	111	127	53.3	880	15	818	2	24
18 to 19 years	1,135	510	45.0	286	224	43.9	624	65	443	1	115
20 to 24 years	2,730	1,883	68.3	1,242	622	33.4	868	390	273	7	197
25 to 54 years	9,826	7,665	78.0	8,452	1,212	15.8	2,162	1,348	125	141	549
25 to 34 years	4,588	3,654	79.6	2,968	686	18.8	934	554	100	29	251
25 to 29 years	2,481	1,927	78.3	1,530	398	20.7	534	306	69	16	143
30 to 34 years	2,127	1,727	81.2	1,438	286	16.7	400	248	31	13	108
35 to 44 years	2,980	2,343	78.6	2,022	321	13.7	638	422	13	51	152
35 to 39 years	1,630	1,278	78.4	1,080	198	15.5	351	229	11	22	89
40 to 44 years	1,351	1,064	78.8	942	123	11.6	286	193	3	27	62
45 to 54 years	2,258	1,668	73.9	1,462	205	12.3	590	372	12	61	146
45 to 49 years	1,166	926	79.4	805	122	13.2	239	154	5	25	56
50 to 54 years	1,093	741	67.8	658	84	11.3	351	218	7	36	90
55 to 64 years	1,862	1,043	53.2	958	85	8.2	919	460	-	115	345
55 to 59 years	1,045	633	60.6	575	59	9.3	412	214	-	56	142
60 to 64 years	917	410	44.7	383	27	8.5	508	246	-	80	204
65 years and over	2,128	206	9.7	185	22	10.6	1,922	764	-	143	1,014
85 to 89 years	732	112	15.3	101	11	9.8	620	252	-	35	333
70 years and over	1,396	95	6.8	84	11	11.8	1,301	512	-	109	661
Men											
16 years and over	8,427	5,906	70.1	4,636	1,270	21.5	2,521	74	601	252	1,395
18 to 19 years	1,091	409	37.5	199	210	51.2	682	3	813	1	65
18 to 17 years	548	128	23.4	53	74	58.1	418	-	406	-	12
18 to 19 years	545	281	51.6	146	135	48.1	264	3	207	1	52
20 to 24 years	1,251	1,005	80.3	664	340	33.9	246	9	125	2	111
25 to 54 years	4,382	3,851	87.9	3,197	653	17.0	532	30	63	105	337
25 to 34 years	2,058	1,621	88.5	1,480	341	18.7	238	15	53	24	146
25 to 29 years	1,106	964	87.2	758	207	21.4	142	11	36	14	82
30 to 34 years	952	857	90.0	723	134	15.8	95	4	17	10	64
35 to 44 years	1,324	1,180	89.0	988	192	18.3	145	8	4	43	91
35 to 39 years	726	645	88.9	522	123	19.1	80	4	5	18	53
40 to 44 years	599	534	89.2	466	69	12.8	85	3	-	24	37
45 to 54 years	1,000	850	85.0	729	121	14.2	150	7	8	38	100
45 to 49 years	518	481	89.1	392	69	15.0	57	1	-	17	40
50 to 54 years	482	388	80.8	337	52	13.3	83	6	6	21	80
55 to 64 years	656	540	83.0	488	53	9.9	318	7	-	85	224
55 to 59 years	456	327	71.9	293	35	10.6	128	1	-	39	89
60 to 64 years	400	212	53.0	194	19	8.8	188	8	-	47	136
65 years and over	645	102	12.1	89	13	12.9	743	25	-	59	856
85 to 89 years	307	53	17.3	45	8	(¹)	254	3	-	14	237
70 years and over	538	49	9.1	44	5	(¹)	489	23	-	48	421
Women											
18 years and over	10,453	5,620	53.8	4,598	1,022	18.2	4,833	2,988	657	157	851
18 to 19 years	1,142	340	29.8	188	142	41.7	802	77	649	2	75
18 to 17 years	552	111	20.0	58	53	47.7	442	15	412	2	12
18 to 19 years	590	229	38.8	140	89	38.6	361	62	236	-	83
20 to 24 years	1,479	859	58.1	577	281	32.7	620	381	146	5	86
25 to 54 years	5,444	3,814	70.1	3,255	559	14.7	1,630	1,318	62	36	212
25 to 34 years	2,530	1,833	72.5	1,487	345	18.6	697	539	47	5	105
25 to 29 years	1,355	963	71.1	772	191	19.8	392	295	33	2	81
30 to 34 years	1,175	870	74.0	715	154	17.8	305	244	14	3	44
35 to 44 years	1,858	1,183	70.3	1,034	129	11.1	492	414	9	8	81
35 to 39 years	904	633	70.0	558	75	11.8	271	225	8	4	36
40 to 44 years	752	530	70.6	478	54	10.2	221	190	3	3	25
45 to 54 years	1,258	818	65.0	734	65	10.3	440	365	8	23	46
45 to 49 years	648	485	71.9	413	53	11.3	182	153	5	8	18
50 to 54 years	811	353	57.7	321	32	9.0	258	212	1	15	30
55 to 64 years	1,106	503	45.5	471	32	6.4	603	453	-	30	121
55 to 59 years	589	306	51.9	282	24	7.8	263	213	-	17	53
60 to 64 years	517	197	38.2	189	8	4.1	319	240	-	13	68
65 years and over	1,263	104	8.1	98	9	8.3	1,179	739	-	84	356
85 to 89 years	425	59	13.8	56	3	(¹)	366	249	-	21	96
70 years and over	856	46	5.3	40	6	(¹)	812	489	-	63	280

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-4. Employment status of the black-and-other civilian noninstitutional population by age and sex

(Numbers in thousands)

Age and sex	May 1983								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	23,282	14,299	61.4	11,729	250	11,478	2,570	18.0	8,983
16 to 19 years	2,643	882	33.4	490	15	475	392	44.4	1,761
16 to 17 years	1,285	284	22.1	147	6	141	137	48.2	1,001
18 to 19 years	1,359	598	44.0	344	10	334	255	42.6	760
20 to 24 years	3,277	2,199	67.1	1,524	34	1,490	675	30.7	1,078
25 to 54 years	12,477	9,687	77.6	8,312	141	8,172	1,374	14.2	2,789
25 to 34 years	5,758	4,527	78.8	3,767	52	3,715	760	18.8	1,231
25 to 29 years	3,081	2,371	77.5	1,928	22	1,907	442	18.6	690
30 to 34 years	2,698	1,155	42.8	1,838	31	1,808	318	27.5	541
35 to 44 years	3,871	3,045	78.7	2,664	50	2,614	362	12.5	826
35 to 39 years	2,152	1,679	78.0	1,445	25	1,420	234	13.9	473
40 to 44 years	1,720	1,366	79.4	1,218	25	1,193	147	10.8	354
45 to 54 years	2,847	2,115	74.3	1,882	39	1,842	233	11.0	733
45 to 49 years	1,488	1,179	79.2	1,034	15	1,019	146	12.4	309
50 to 54 years	1,359	935	68.8	847	24	823	88	9.4	425
55 to 64 years	2,381	1,264	53.1	1,165	39	1,126	99	7.8	1,117
55 to 59 years	1,267	753	59.5	687	21	666	66	8.7	514
60 to 64 years	1,114	510	45.8	478	18	460	33	6.4	804
65 years and over	2,504	288	10.7	237	21	216	31	11.4	2,236
65 to 69 years	877	154	17.6	138	12	127	15	9.7	724
70 years and over	1,626	114	7.0	99	9	89	19	16.7	1,512
Men									
16 years and over	10,501	7,411	70.6	5,982	195	5,786	1,430	19.3	3,089
16 to 19 years	1,310	484	37.0	251	12	240	233	48.1	826
16 to 17 years	640	148	23.1	71	4	66	77	52.0	492
18 to 19 years	870	336	50.2	180	7	173	156	48.4	334
20 to 24 years	1,511	1,170	77.4	803	23	780	367	31.4	341
25 to 54 years	5,596	4,938	88.2	4,187	111	4,077	750	15.2	858
25 to 34 years	2,585	2,278	88.1	1,888	44	1,845	390	17.1	307
25 to 29 years	1,370	1,195	87.2	959	20	939	236	19.8	175
30 to 34 years	1,215	1,083	89.2	929	24	905	154	14.2	131
35 to 44 years	1,713	1,540	89.9	1,317	41	1,276	223	14.5	173
35 to 39 years	938	838	89.4	695	18	677	143	17.0	100
40 to 44 years	775	701	90.5	621	23	598	80	11.4	74
45 to 54 years	1,298	1,120	86.2	982	26	958	138	12.3	179
45 to 49 years	685	618	90.2	534	8	526	85	13.7	67
50 to 54 years	613	501	81.8	448	18	430	53	10.5	112
55 to 64 years	1,053	673	64.0	615	33	582	58	8.6	379
55 to 59 years	551	396	71.9	361	19	342	38	9.0	155
60 to 64 years	501	277	55.2	254	14	240	22	8.0	224
65 years and over	1,032	147	14.2	125	17	109	21	14.5	885
65 to 69 years	379	83	21.9	71	9	62	12	14.6	296
70 years and over	653	64	9.8	55	8	46	9	(¹)	589
Women									
16 years and over	12,781	6,887	53.9	5,747	55	5,692	1,140	16.8	5,893
16 to 19 years	1,333	397	29.8	239	4	235	159	38.9	936
16 to 17 years	645	136	21.0	76	1	75	60	44.1	509
18 to 19 years	888	262	38.1	163	3	161	99	37.7	428
20 to 24 years	1,767	1,029	58.3	721	11	710	308	29.9	737
25 to 54 years	8,881	4,749	69.0	4,125	30	4,095	624	13.1	2,131
25 to 34 years	3,174	2,249	70.9	1,879	8	1,871	370	16.5	925
25 to 29 years	1,691	1,178	69.5	969	2	968	206	17.5	515
30 to 34 years	1,483	1,073	72.4	909	7	903	164	15.3	410
35 to 44 years	2,158	1,505	69.8	1,347	9	1,338	158	10.5	853
35 to 39 years	1,214	841	69.3	750	7	743	91	10.8	373
40 to 44 years	945	665	70.3	597	2	595	67	10.1	280
45 to 54 years	1,549	995	64.2	899	13	886	96	9.6	554
45 to 49 years	603	581	89.9	500	7	493	61	10.8	242
50 to 54 years	746	434	58.1	399	6	393	35	8.0	313
55 to 64 years	1,328	590	44.5	550	6	544	41	6.9	738
55 to 59 years	715	357	49.9	327	2	324	30	8.4	359
60 to 64 years	613	234	38.1	223	4	219	10	4.5	379
65 years and over	1,472	121	8.2	112	4	108	9	7.7	1,351
65 to 69 years	498	71	14.2	67	3	65	3	(¹)	428
70 years and over	973	50	5.2	44	1	43	8	(¹)	923

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-5. Employment status of the civilian noninstitutional population by race, sex, and age

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
TOTAL								
Civilian noninstitutional population	172,026	173,953	73,499	74,712	82,707	83,899	15,820	15,342
Civilian labor force	109,914	110,308	57,968	58,458	43,550	44,161	8,396	7,690
Percent of population	63.9	63.4	78.9	78.2	52.7	52.6	53.1	50.1
Employed	99,957	99,543	53,309	53,021	40,144	40,574	6,504	5,948
Agriculture	3,589	3,511	2,513	2,514	664	647	412	351
Nonagricultural industries	96,368	96,032	50,796	50,508	39,480	39,927	6,092	5,597
Unemployed	9,957	10,765	4,659	5,437	3,406	3,587	1,892	1,742
Unemployment rate	9.1	9.8	8.0	9.3	7.8	8.1	22.5	22.7
Not in labor force	62,113	63,644	15,531	16,254	39,157	39,738	7,424	7,652
White								
Civilian noninstitutional population	149,250	150,671	64,533	65,521	71,595	72,451	13,123	12,699
Civilian labor force	96,014	96,010	51,221	51,531	37,337	37,671	7,455	6,808
Percent of population	64.3	63.7	79.4	78.6	52.2	52.0	56.8	53.6
Employed	88,348	87,814	47,583	47,291	34,786	35,066	5,979	5,457
Agriculture	3,309	3,261	2,313	2,330	608	595	388	335
Nonagricultural industries	85,039	84,553	45,269	44,961	34,178	34,471	5,592	5,122
Unemployed	7,666	8,195	3,639	4,240	2,551	2,605	1,476	1,350
Unemployment rate	8.0	8.5	7.1	8.2	6.8	6.9	19.8	19.8
Not in labor force	53,236	54,661	13,311	13,990	34,257	34,780	5,668	5,691
Black								
Civilian noninstitutional population	16,542	18,880	7,166	7,336	9,121	9,311	2,255	2,233
Civilian labor force	11,174	11,526	5,328	5,496	5,074	5,261	772	749
Percent of population	60.3	61.0	74.4	74.9	55.6	56.7	34.2	33.5
Employed	9,167	9,234	4,448	4,436	4,321	4,400	398	398
Agriculture	208	202	146	146	40	42	22	13
Nonagricultural industries	8,959	9,032	4,301	4,290	4,282	4,358	377	385
Unemployed	2,007	2,292	881	1,060	753	881	373	351
Unemployment rate	18.0	19.9	16.5	19.3	14.6	16.7	48.4	48.9
Not in labor force	7,368	7,354	1,838	1,839	4,047	4,031	1,483	1,464

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-6. Employment status of the civilian noninstitutional population 16 to 21 years of age by major activity, sex, and race

(Numbers in thousands)

Employment status and major activity	May 1983								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
TOTAL									
Civilian noninstitutional population	23,430	11,628	11,804	19,459	9,700	9,759	3,330	1,599	1,731
Civilian labor force	13,452	7,138	6,317	11,745	6,219	5,526	1,449	784	665
Percent of population	57.4	61.4	53.5	60.4	64.1	56.8	43.5	49.0	38.4
Employed	10,703	5,612	5,091	9,675	5,077	4,598	831	434	397
Agriculture	534	444	91	505	420	85	25	20	5
Nonagricultural industries	10,169	5,168	5,000	9,170	4,657	4,513	806	414	392
Unemployed	2,749	1,524	1,226	2,070	1,142	928	619	350	268
Looking for full-time work	1,927	1,120	608	1,401	823	579	493	278	216
Looking for part-time work	822	404	418	668	319	349	125	73	53
Percent of labor force	20.4	21.4	19.4	17.6	18.4	16.6	42.7	44.6	40.3
Not in labor force	9,978	4,490	5,487	7,714	3,481	4,233	1,881	815	1,066
Major activity: Going to school									
Civilian noninstitutional population	12,079	6,144	5,935	9,850	5,031	4,819	1,623	693	930
Civilian labor force	4,296	2,223	2,073	3,817	1,970	1,846	385	202	162
Percent of population	35.6	36.2	34.9	38.7	39.2	38.3	21.1	22.7	19.6
Employed	3,262	1,681	1,581	3,006	1,559	1,447	189	85	103
Agriculture	195	166	29	191	162	29	2	2	-
Nonagricultural industries	3,067	1,515	1,552	2,815	1,397	1,418	187	83	104
Unemployed	1,034	542	492	811	412	399	196	117	79
Looking for full-time work	379	204	175	278	140	138	95	58	37
Looking for part-time work	655	338	317	533	271	261	100	59	42
Percent of labor force	24.1	24.4	23.7	21.2	20.9	21.6	50.9	57.9	43.2
Not in labor force	7,763	3,921	3,861	6,033	3,061	2,972	1,438	890	748
Major activity: Other									
Civilian noninstitutional population	11,351	5,482	5,869	9,809	4,688	4,941	1,508	707	801
Civilian labor force	9,156	4,913	4,243	7,928	4,248	3,680	1,065	582	483
Percent of population	80.7	89.6	72.3	82.5	91.0	74.5	70.6	82.4	60.3
Employed	7,441	3,931	3,510	6,669	3,518	3,151	642	348	293
Agriculture	339	277	62	314	258	56	23	17	6
Nonagricultural industries	7,102	3,654	3,448	6,355	3,261	3,095	619	331	288
Unemployed	1,715	982	733	1,259	730	529	423	234	189
Looking for full-time work	1,548	916	832	1,123	682	441	398	219	179
Looking for part-time work	167	66	101	138	48	88	25	14	11
Percent of labor force	18.7	20.0	17.3	15.9	17.2	14.4	39.7	40.2	39.2
Not in labor force	2,195	569	1,626	1,681	420	1,261	443	124	319

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-7. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	May 1982	May 1983	Total		Employed		Unemployed			
			May 1982	May 1983	May 1982	May 1983	Number		Percent of labor force	
							May 1982	May 1983	May 1982	May 1983
VETERANS										
Total, 25 years and over	8,682	7,839	8,220	7,367	7,535	6,668	685	699	8.3	9.5
25 to 39 years	7,172	5,911	6,896	5,661	6,275	5,084	621	577	9.0	10.2
25 to 29 years	1,252	702	1,160	653	964	562	196	91	16.9	13.9
30 to 34 years	2,988	2,207	2,880	2,106	2,664	1,874	216	232	7.5	11.0
35 to 39 years	2,932	3,002	2,856	2,902	2,647	2,648	209	254	7.3	8.8
40 years and over	1,510	1,928	1,324	1,706	1,260	1,564	64	122	4.8	7.2
NONVETERANS										
Total, 25 to 39 years	18,089	19,890	17,164	18,775	15,762	17,022	1,402	1,753	8.2	9.3
25 to 29 years	6,130	8,669	7,670	8,132	6,958	7,235	712	897	9.3	11.0
30 to 34 years	5,906	6,712	5,650	6,370	5,207	5,844	443	526	7.8	8.3
35 to 39 years	4,053	4,509	3,844	4,273	3,597	3,943	247	330	6.4	7.7

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

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 1983								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Total, 16 years and over	94,328	79,106	5,913	9,309	9.9	15,981	14,525	1,456	9.1
16 to 19 years	3,527	1,782	690	1,054	29.9	4,163	3,476	687	16.5
16 to 17 years	557	194	105	258	46.3	2,312	1,825	487	21.0
18 to 19 years	2,970	1,589	584	797	26.8	1,851	1,650	201	10.9
20 years and over	90,801	77,324	5,223	8,255	9.1	11,818	11,049	769	6.5
20 to 24 years	13,277	9,866	1,265	2,146	16.2	2,428	2,179	249	10.2
25 years and over	77,524	67,458	3,958	6,108	7.9	9,391	8,869	520	5.5
25 to 54 years	65,409	56,610	3,334	5,466	8.4	6,519	6,125	393	6.0
55 years and over	12,115	10,848	625	642	5.3	2,872	2,744	127	4.4
Men, 16 years and over	57,500	48,886	2,813	5,801	10.1	5,037	4,476	561	11.1
16 to 19 years	1,962	1,036	347	579	29.5	2,117	1,771	346	16.3
20 years and over	55,537	47,850	2,466	5,222	9.4	2,921	2,706	215	7.4
20 to 24 years	7,498	5,518	635	1,345	17.9	962	874	88	9.2
25 years and over	48,039	42,332	1,832	3,877	8.1	1,960	1,833	127	6.5
25 to 54 years	40,216	35,252	1,541	3,424	8.5	848	778	69	8.1
55 years and over	7,823	7,080	291	453	5.8	1,112	1,054	57	5.1
Women, 16 years and over	36,828	30,220	3,100	3,508	9.5	10,943	10,048	895	8.2
16 to 19 years	1,584	746	343	475	30.4	2,046	1,705	342	16.7
20 years and over	35,264	29,474	2,757	3,033	8.6	8,897	8,343	554	6.2
20 to 24 years	5,779	4,348	630	801	13.9	1,466	1,305	161	11.0
25 years and over	29,485	25,126	2,127	2,231	7.6	7,431	7,038	393	5.3
25 to 54 years	25,193	21,357	1,793	2,042	8.1	5,671	5,348	324	5.7
55 years and over	4,291	3,769	333	189	4.4	1,760	1,691	69	3.9
White									
Men, 16 years and over	50,603	43,821	2,290	4,492	8.9	4,523	4,062	440	9.7
16 to 19 years	1,682	945	317	420	25.0	1,913	1,641	272	14.2
20 years and over	48,921	42,876	1,973	4,072	8.3	2,609	2,441	168	6.4
20 to 24 years	6,442	4,926	516	1,000	15.5	847	782	66	7.8
25 years and over	42,479	37,949	1,458	3,072	7.2	1,762	1,660	102	5.8
25 to 54 years	35,385	31,482	1,221	2,682	7.6	741	680	61	8.2
55 years and over	7,094	6,468	237	390	5.5	1,021	980	41	4.0
Women, 16 years and over	30,863	25,803	2,552	2,508	8.1	10,021	9,266	755	7.5
16 to 19 years	1,360	699	293	369	27.1	1,853	1,564	289	15.6
20 years and over	29,502	25,104	2,260	2,139	7.2	8,169	7,702	466	5.7
20 to 24 years	4,920	3,860	538	521	10.6	1,296	1,164	133	10.2
25 years and over	24,583	21,244	1,722	1,618	6.6	6,873	6,538	333	4.8
25 to 54 years	20,822	17,911	1,450	1,461	7.0	5,293	5,012	280	5.3
55 years and over	3,760	3,333	272	157	4.2	1,580	1,526	52	3.3
Black									
Men, 16 years and over	5,547	3,916	461	1,169	21.1	359	258	101	28.1
16 to 19 years	254	81	28	145	57.2	155	91	65	41.6
20 years and over	5,293	3,835	434	1,024	19.3	203	167	36	17.7
20 to 24 years	934	499	112	322	34.5	71	53	18	(²)
25 years and over	4,359	3,336	321	702	16.1	133	114	19	14.3
25 to 54 years	3,785	2,865	273	647	17.1	65	59	7	(²)
55 years and over	574	471	48	55	9.6	68	55	12	(²)
Women, 16 years and over	4,927	3,549	466	912	18.5	694	583	111	16.0
16 to 19 years	191	42	46	102	53.5	148	109	39	26.4
20 years and over	4,735	3,507	420	809	17.1	545	474	72	13.1
20 to 24 years	735	397	82	256	34.8	123	98	25	20.3
25 years and over	3,999	3,109	338	540	13.5	422	376	47	11.1
25 to 54 years	3,550	2,739	284	529	14.9	264	233	31	11.7
55 years and over	449	370	54	11	2.5	158	143	16	10.1

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	May 1983									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	110,308	83.4	99,543	10,785	9.8	63,644	32,400	9,737	2,564	18,944
Husbands	39,392	79.3	38,783	2,609	6.6	10,268	185	235	904	8,964
With employed wife	22,042	91.6	20,721	1,322	8.0	2,018	57	145	299	1,517
With unemployed wife	1,623	93.0	1,307	316	19.5	122	2	8	20	84
With wife not in labor force	15,727	65.9	14,755	972	8.2	8,129	106	84	585	7,354
Wives	25,805	52.0	24,060	1,745	6.6	23,856	21,110	349	295	2,102
With employed husband	22,028	59.9	20,721	1,307	5.9	14,755	13,664	301	86	704
With unemployed husband	1,637	62.8	1,322	316	19.3	972	901	10	12	48
With husband not in labor force	2,140	20.8	2,018	122	5.7	8,129	6,545	37	187	1,349
Relatives in married-couple families	13,881	60.9	11,341	2,540	18.3	8,928	1,003	6,118	302	1,506
16 to 19 years	5,330	51.1	4,249	1,081	20.3	5,095	144	4,612	24	315
20 to 24 years	5,554	74.2	4,583	991	17.8	1,932	201	1,343	37	350
25 years and over	2,997	61.2	2,529	468	15.6	1,899	658	1,611	241	841
Women who maintain families	5,683	58.6	5,001	682	12.0	4,018	3,106	128	149	635
Relatives in families maintained by women	4,897	56.6	3,651	1,246	25.4	3,748	788	1,805	258	900
16 to 19 years	1,340	44.9	892	448	33.4	1,642	68	1,405	7	182
20 to 24 years	1,512	69.8	1,102	410	27.1	653	131	349	9	164
25 years and over	2,045	58.4	1,657	388	19.0	1,453	589	51	240	574
Men who maintain families	1,864	75.7	1,670	195	10.4	598	27	48	52	473
Relatives in families maintained by men	1,507	58.5	1,251	258	17.0	1,071	423	368	54	226
16 to 19 years	238	42.0	181	57	23.8	329	38	286	-	26
20 to 24 years	439	74.1	360	79	17.9	154	41	83	-	29
25 years and over	830	58.5	710	120	14.5	588	344	19	54	171
Persons living alone	10,399	53.1	9,654	746	7.2	9,174	5,028	208	415	3,523
Men	5,556	72.3	5,039	518	9.3	2,131	113	104	160	1,753
Women	4,843	40.7	4,614	229	4.7	7,043	4,915	104	255	1,770
All others ¹	8,860	77.8	6,132	746	10.8	1,985	750	482	137	615

¹ 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, sex, age, and race

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
Total, 18 years and over	5,669	6,362	9.1	10.2	4,288	4,404	9.0	9.2
Married, spouse present	2,428	2,745	6.0	6.8	1,754	1,813	6.7	6.9
Widowed, divorced, or separated	859	775	11.8	13.3	847	910	9.1	9.9
Single (never married)	2,582	2,842	16.1	17.4	1,686	1,681	13.9	13.6
White, 18 years and over	4,432	4,932	8.0	8.9	3,233	3,263	7.9	8.0
Married, spouse present	2,007	2,288	5.4	6.3	1,442	1,499	6.2	6.4
Widowed, divorced, or separated	504	582	10.9	12.1	647	625	8.5	8.4
Single (never married)	1,921	2,082	14.0	14.8	1,144	1,139	11.3	11.2
Black, 18 years and over	1,076	1,270	18.7	21.5	931	1,022	17.1	18.2
Married, spouse present	354	380	12.0	12.8	241	258	11.5	12.1
Widowed, divorced, or separated	142	178	16.4	19.8	188	259	12.0	16.3
Single (never married)	581	712	30.2	34.9	502	505	28.2	26.7
Total, 25 years and over	3,367	4,004	6.8	8.0	2,462	2,625	6.8	7.1
Married, spouse present	2,105	2,477	5.5	6.5	1,373	1,463	8.0	6.2
Widowed, divorced, or separated	608	726	11.5	13.1	745	810	8.5	9.3
Single (never married)	654	800	10.8	12.4	344	352	8.0	7.5
White, 25 years and over	2,665	3,174	8.1	7.2	1,870	1,951	8.0	6.2
Married, spouse present	1,739	2,050	5.1	6.0	1,124	1,203	5.5	5.8
Widowed, divorced, or separated	459	538	10.5	11.8	565	554	7.9	8.0
Single (never married)	467	585	9.2	10.7	180	194	5.3	5.4
Black, 25 years and over	608	720	13.8	16.0	517	600	12.2	13.6
Married, spouse present	306	355	11.1	12.6	195	214	10.3	10.9
Widowed, divorced, or separated	137	173	16.4	19.9	168	236	11.2	15.4
Single (never married)	165	191	20.3	23.5	154	149	18.3	16.1

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
Total, 16 years and over	9,957	10,765	9.1	9.8	9.1	10.2	9.0	9.2
Managerial and professional specialty	768	809	3.2	3.3	(¹)	2.9	(¹)	3.9
Executive, administrative, and managerial	406	431	3.7	3.9	(¹)	3.1	(¹)	5.6
Professional specialty	362	379	2.8	2.8	(¹)	2.7	(¹)	3.0
Technical, sales, and administrative support	1,858	2,109	5.7	6.4	(¹)	5.5	(¹)	6.9
Technicians and related support	118	143	4.0	4.5	(¹)	5.1	(¹)	3.7
Sales occupations	705	820	6.0	6.6	(¹)	4.6	(¹)	6.8
Administrative support, including clerical	1,034	1,146	5.8	6.6	(¹)	7.4	(¹)	6.4
Service occupations	1,599	1,734	10.6	11.4	(¹)	12.9	(¹)	10.3
Private household	58	53	5.8	5.3	(¹)	(¹)	(¹)	5.6
Protective service	103	140	6.2	8.1	(¹)	8.0	(¹)	8.6
Service, except private household and protective	1,437	1,541	11.6	12.3	(¹)	14.7	(¹)	10.9
Precision production, craft, and repair	1,293	1,466	9.9	11.1	(¹)	11.3	(¹)	8.4
Mechanics and repairers	265	323	6.7	7.5	(¹)	7.4	(¹)	10.0
Construction trades	628	720	13.7	15.2	(¹)	15.3	(¹)	7.5
Other precision production, craft, and repair	380	423	6.9	10.2	(¹)	10.6	(¹)	8.2
Operators, fabricators, and laborers	3,001	3,042	15.2	16.1	(¹)	16.1	(¹)	16.1
Machine operators, assemblers, and inspectors	1,463	1,539	15.5	16.9	(¹)	16.7	(¹)	17.1
Transportation and material moving occupations	553	553	11.6	11.5	(¹)	12.0	(¹)	6.0
Handlers, equipment cleaners, helpers, and laborers	986	950	17.9	19.0	(¹)	19.5	(¹)	16.0
Construction laborers	213	214	28.0	25.9	(¹)	25.9	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	772	737	16.3	17.6	(¹)	18.0	(¹)	15.8
Farming, forestry, and fishing	325	338	7.5	7.9	(¹)	7.6	(¹)	9.2
No previous work experience	1,123	1,204	-	-	-	-	-	-
16 to 19 years	821	845	-	-	-	-	-	-
20 to 24 years	201	237	-	-	-	-	-	-
25 years and over	101	123	-	-	-	-	-	-

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

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

A-12. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
Total, 16 years and over	9,957	10,765	9.1	9.8	9.1	10.2	9.0	9.2
Nonagricultural private wage and salary workers	7,689	8,241	9.5	10.2	10.0	11.0	9.0	9.2
Mining	132	234	11.1	20.9	12.1	22.9	5.5	10.4
Construction	913	1,048	17.7	19.3	18.5	19.8	8.3	12.5
Manufacturing	2,521	2,582	11.2	12.0	10.3	11.5	13.0	13.0
Durable goods	1,554	1,842	11.7	12.9	11.3	12.7	12.5	13.2
Lumber and wood products	97	120	14.8	17.1	14.9	17.0	13.8	17.2
Furniture and fixtures	70	85	12.9	11.7	11.4	11.1	16.0	13.2
Stone, clay, and glass products	63	62	11.1	10.1	9.9	10.1	14.6	10.2
Primary metal industries	218	219	18.7	22.1	18.7	21.8	18.2	23.6
Fabricated metal products	206	214	14.0	15.4	14.3	15.0	13.3	16.8
Machinery, except electrical	272	359	9.8	13.0	9.7	12.9	9.0	13.5
Electrical machinery, equipment, and supplies	187	205	7.5	9.3	8.2	8.4	9.3	10.4
Transportation equipment	296	264	13.5	11.2	12.5	11.2	18.0	11.3
Automobiles	183	148	16.7	13.1	14.9	12.5	25.4	15.9
Other transportation equipment	114	116	10.4	9.4	10.1	9.8	10.8	8.0
Professional and photographic equipment	57	53	8.9	7.5	5.8	4.4	13.8	11.9
Other durable goods industries	89	81	11.9	16.4	9.1	13.8	16.2	19.2
Nondurable goods	967	940	10.6	10.7	8.5	9.2	13.5	12.7
Food and kindred products	215	231	11.2	12.8	9.1	10.8	16.0	16.5
Textile mill products	106	76	13.0	9.7	12.7	10.9	13.3	8.4
Apparel and other textile products	228	179	17.0	14.4	12.2	14.4	18.2	14.4
Paper and allied products	54	68	7.6	9.5	6.3	10.3	11.7	7.3
Printing and publishing	112	126	7.0	7.6	7.8	7.1	5.8	8.4
Chemicals and allied products	80	86	5.9	7.1	3.9	8.1	11.0	9.3
Rubber and miscellaneous plastics products	91	81	12.5	11.0	10.1	8.4	16.1	16.4
Other nondurable goods industries	80	93	12.0	15.2	13.4	11.4	10.1	19.8
Transportation and public utilities	370	397	6.4	7.1	6.8	7.5	5.3	6.1
Transportation	295	307	9.3	8.1	9.8	8.8	7.6	5.7
Communications and other public utilities	75	89	2.9	3.5	2.5	2.7	3.6	5.2
Wholesale and retail trade	2,038	2,022	10.0	9.9	9.3	9.3	10.7	10.5
Wholesale trade	317	314	7.5	7.4	6.9	8.7	9.2	9.1
Retail trade	1,721	1,707	10.6	10.5	10.3	10.4	10.9	10.6
Finance, insurance, and real estate	241	277	4.1	4.8	3.6	4.6	4.5	4.8
Service industries	1,474	1,681	7.5	8.2	8.2	9.3	7.1	7.5
Professional services	600	686	5.3	5.8	5.0	5.8	5.5	5.8
Other service industries	874	995	10.5	11.4	10.8	12.1	10.2	10.7
Agricultural wage and salary workers	251	244	13.6	12.8	13.2	12.4	15.1	14.2
Government, self-employed, and unpaid family workers	894	1,075	3.4	4.0	3.0	3.9	3.9	4.2
No previous work experience	1,123	1,204	-	-	-	-	-	-

NOTE: Data for 1982 are not fully comparable with 1983 data as a result of revisions in industrial classifications in 1983.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
NUMBER OF UNEMPLOYED												
Total unemployed	9,957	10,765	4,659	5,437	3,406	3,587	1,892	1,742	7,666	8,195	2,007	2,292
Job losers	5,647	6,441	3,575	4,301	1,690	1,806	382	333	4,456	5,025	1,150	1,369
On layoff	1,770	1,760	1,123	1,194	574	489	73	76	1,464	1,477	263	252
Other job losers	3,877	4,681	2,452	3,107	1,116	1,317	309	257	2,972	3,548	886	1,117
Job leavers	815	757	310	309	353	368	151	80	683	624	8	23
Reentrants	2,382	2,365	677	669	1,158	1,210	547	486	1,749	1,704	556	581
New entrants	1,113	1,203	97	157	204	202	812	843	778	842	293	319
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	58.7	59.8	76.7	79.2	49.7	50.3	20.2	19.1	58.2	61.3	57.2	59.7
On layoff	17.8	16.3	24.1	22.0	16.9	13.6	3.9	4.4	19.4	18.0	13.1	11.0
Other job losers	38.9	43.5	52.6	57.2	32.8	36.7	16.3	14.7	38.8	43.3	44.1	48.7
Job leavers	8.2	7.0	6.7	5.7	10.4	10.3	8.0	4.6	8.9	7.6	.4	1.0
Reentrants	23.9	22.0	14.5	12.3	34.0	33.7	28.9	27.9	22.8	20.8	27.7	25.3
New entrants	11.2	11.2	2.1	2.9	6.0	5.6	42.9	48.4	10.2	10.3	14.6	13.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	5.1	5.8	6.1	7.3	3.9	4.1	4.6	4.3	4.6	5.2	10.3	11.9
Job leavers .....	.7	.7	.5	.5	.8	.8	1.8	1.0	.7	.7	.1	.2
Reentrants	2.2	2.1	1.2	1.1	2.7	2.7	6.5	6.3	1.6	1.8	5.0	5.0
New entrants	1.0	1.1	.2	.3	.5	.5	9.7	11.0	.8	.9	2.6	2.8

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

(Percent distribution)

Reason, sex, and age	May 1983						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	10,765	100.0	31.3	22.8	45.9	18.4	27.6
Job losers	6,441	100.0	21.7	22.2	56.1	21.9	34.1
On layoff	1,760	100.0	31.7	21.4	46.9	22.0	24.9
Other job losers	4,681	100.0	18.0	22.5	59.5	21.9	37.6
Job leavers	757	100.0	36.9	25.9	37.2	15.3	21.9
Reentrants	2,365	100.0	48.3	22.8	28.9	12.5	16.4
New entrants	1,203	100.0	45.5	23.8	30.7	12.8	17.9
Men, 20 years and over	5,437	100.0	22.3	22.1	55.6	21.7	33.9
Job losers	4,301	100.0	18.7	22.1	59.1	23.0	36.2
On layoff	1,194	100.0	26.6	22.8	50.6	25.1	25.5
Other job losers	3,107	100.0	15.7	21.9	62.4	22.1	40.3
Job leavers	309	100.0	30.9	24.3	44.8	16.3	28.5
Reentrants	669	100.0	37.2	21.7	41.1	17.7	23.4
New entrants	157	100.0	41.1	17.0	41.9	15.7	26.2
Women, 20 years and over	3,587	100.0	36.9	22.5	40.7	16.4	24.3
Job losers	1,806	100.0	25.1	21.9	53.0	20.3	32.7
On layoff	489	100.0	38.9	18.3	42.7	16.6	26.1
Other job losers	1,317	100.0	20.0	23.3	56.8	21.6	35.1
Job leavers	368	100.0	40.7	24.9	34.4	14.7	19.7
Reentrants	1,210	100.0	51.2	22.8	26.0	11.4	14.7
New entrants	202	100.0	48.8	21.5	29.7	15.1	14.6
Both sexes, 16 to 19 years	1,742	100.0	47.7	25.6	26.7	12.0	14.7
Job losers	333	100.0	42.2	24.5	33.3	18.0	15.3
On layoff	78	100.0	64.1	19.0	16.9	8.4	8.4
Other job losers	257	100.0	35.7	26.1	38.2	20.8	17.4
Job leavers	80	100.0	42.4	36.9	20.8	14.5	6.3
Reentrants	486	100.0	56.2	24.5	19.3	8.0	11.3
New entrants	843	100.0	45.5	25.6	28.9	11.8	17.2

A-15. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
Total, 16 years and over	9,957	10,765	100.0	100.0	8,544	9,309	100.0	100.0
Less than 5 weeks	3,688	3,368	37.0	31.3	2,899	2,626	33.9	28.2
5 to 14 weeks	2,696	2,452	27.1	22.8	2,344	2,062	27.4	22.2
5 to 10 weeks	1,937	1,717	19.5	15.9	1,663	1,414	19.5	15.2
11 to 14 weeks	760	735	7.6	6.8	680	647	8.0	7.0
15 weeks and over	3,572	4,946	35.9	45.9	3,301	4,822	36.6	49.7
15 to 26 weeks	1,832	1,979	18.4	18.4	1,681	1,806	19.7	19.4
27 weeks and over	1,740	2,967	17.5	27.6	1,621	2,814	19.0	30.2
27 to 51 weeks	1,009	1,418	10.1	13.2	943	1,323	11.0	14.2
52 weeks and over	731	1,548	7.3	14.4	678	1,491	7.9	16.0
Average (mean) duration, in weeks	15.9	21.8	-	-	16.9	23.5	-	-
Median duration, in weeks	8.8	12.6	-	-	9.9	14.8	-	-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-16. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	May 1983							May 1982	May 1983	May 1982	May 1983
Total, 16 years and over	10,765	3,368	2,452	1,979	2,967	21.8	12.6	37.0	31.3	35.9	45.9
16 to 19 years	1,742	831	446	209	256	12.7	5.6	50.8	47.7	22.8	26.7
20 to 24 years	2,395	878	589	406	522	18.2	9.6	38.8	36.6	32.5	38.6
25 to 34 years	3,053	861	651	597	944	23.6	15.3	31.5	28.2	41.0	50.5
35 to 44 years	1,694	410	358	382	544	28.0	17.5	32.7	24.2	41.8	54.7
45 to 54 years	1,113	231	243	233	406	27.5	19.2	30.7	20.7	41.2	57.4
55 to 64 years	654	123	147	126	259	30.0	20.4	32.6	18.8	45.6	58.7
65 years and over	114	34	18	25	37	21.5	17.3	38.4	30.2	27.3	54.3
Men, 16 years and over	6,362	1,828	1,423	1,309	2,001	24.6	16.2	32.8	25.6	40.5	52.0
16 to 19 years	925	414	224	128	160	14.3	6.7	48.8	44.7	25.2	31.1
20 to 24 years	1,433	422	371	275	365	20.9	12.3	33.4	29.4	36.8	44.6
25 to 34 years	1,838	390	412	403	633	26.6	18.5	27.6	21.2	46.5	58.4
35 to 44 years	998	206	189	242	361	28.8	20.1	27.0	20.7	47.8	60.4
45 to 54 years	657	108	113	161	274	30.6	23.0	28.8	16.4	45.1	66.3
55 to 64 years	437	89	108	82	181	30.7	21.4	30.2	15.8	50.2	60.0
65 years and over	73	20	8	18	28	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	4,404	1,740	1,028	670	966	17.8	8.5	43.0	39.5	29.7	37.1
16 to 19 years	817	418	222	81	96	10.8	4.9	55.7	51.2	19.9	21.7
20 to 24 years	962	456	218	131	158	14.2	5.8	48.2	47.4	26.5	30.0
25 to 34 years	1,215	471	239	194	311	19.2	9.5	36.9	38.8	33.8	41.6
35 to 44 years	695	203	189	140	183	21.9	13.1	40.3	29.2	33.8	46.5
45 to 54 years	456	123	130	72	132	23.0	12.8	33.2	26.9	38.1	44.6
55 to 64 years	217	54	41	44	78	28.5	18.6	38.4	24.9	38.4	56.0
65 years and over	41	15	10	8	9	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	8,195	2,546	1,932	1,512	2,205	21.3	12.4	37.5	31.1	35.6	45.4
Men	4,932	1,250	1,173	1,004	1,505	23.9	15.5	33.0	25.4	40.2	50.9
Women	3,263	1,296	759	508	700	17.4	8.4	43.6	39.7	29.2	37.0
Black, 16 years and over	2,292	745	451	413	683	23.6	12.3	35.5	32.5	38.2	47.8
Men	1,270	339	213	275	443	27.2	17.6	30.2	26.7	43.4	56.5
Women	1,022	406	238	138	241	19.1	7.4	41.6	39.7	32.2	37.0
Men, 16 years and over:											
Married, spouse present	2,745	565	599	612	969	27.0	19.1	28.5	20.6	43.3	57.6
Widowed, divorced, or separated	775	156	143	179	298	29.8	21.0	31.7	20.1	44.7	61.5
Single (never married)	2,842	908	682	516	734	20.7	11.6	36.6	31.9	36.9	44.1
Women, 16 years and over:											
Married, spouse present	1,813	624	437	313	439	19.1	10.4	40.0	34.4	31.8	41.5
Widowed, divorced, or separated	910	300	200	146	263	22.8	12.4	38.8	33.0	33.1	45.0
Single (never married)	1,681	816	391	211	264	13.8	5.4	48.2	48.5	25.9	28.2

¹ Data not shown where base is less than 75,000.

A-17. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	May 1983							May 1982	May 1983	May 1982	May 1983
OCCUPATION											
Managerial and professional specialty	809	246	187	165	212	20.7	13.5	37.0	30.3	32.5	46.6
Technical, sales, and administrative support	2,109	745	506	364	494	19.0	10.2	39.8	35.3	32.6	40.7
Service occupations	1,734	649	403	234	447	20.6	9.2	43.9	37.4	30.4	39.3
Precision production, craft, and repair	1,466	325	327	305	509	26.3	18.2	30.1	22.1	41.3	55.5
Operators, fabricators, and laborers	3,042	713	641	675	1,013	25.6	18.0	28.6	23.4	45.3	55.5
Farming, forestry, and fishing	338	125	92	64	57	16.1	10.0	43.2	37.0	30.5	35.9
INDUSTRY¹											
Agriculture	244	94	70	47	33	14.4	9.1	46.6	38.7	24.2	32.7
Construction	1,084	258	252	242	331	23.9	16.6	29.5	23.8	46.4	53.0
Manufacturing	2,589	524	507	580	978	28.6	20.5	27.9	20.2	43.5	60.2
Durable goods	1,649	286	294	368	701	31.1	23.0	23.4	17.3	47.0	64.8
Nondurable goods	940	238	213	212	277	24.0	16.1	35.3	25.3	37.7	52.1
Transportation and public utilities	437	108	89	117	124	22.7	17.3	29.6	24.7	43.7	55.0
Wholesale and retail trade	2,031	743	505	325	458	18.0	9.5	39.7	36.6	33.4	38.5
Finance and service industries	2,411	878	555	359	621	20.4	9.8	41.5	36.4	31.8	40.6
Public administration	311	99	64	65	83	23.8	13.4	36.2	31.8	37.8	47.6
No previous work experience	1,204	547	287	154	216	15.5	6.3	51.8	45.4	21.7	30.7

¹ Includes wage and salary workers only.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	May 1983								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	10,765	8,869	24.8	6.0	80.1	31.8	15.7	5.9	1.64
16 to 19 years	1,742	1,637	14.4	3.1	84.1	23.5	13.6	7.0	1.46
20 to 24 years	2,395	2,027	26.3	6.3	82.0	31.3	16.0	4.3	1.86
25 to 34 years	3,053	2,439	27.4	6.5	79.3	35.7	15.0	5.0	1.69
35 to 44 years	1,694	1,339	30.0	7.2	79.6	33.1	18.4	7.2	1.76
45 to 54 years	1,113	833	26.7	6.1	77.1	36.0	17.5	5.4	1.69
55 to 64 years	654	501	26.3	9.6	73.5	32.7	14.2	9.6	1.66
65 years and over	114	92	7.6	-	65.2	25.0	21.7	7.6	1.27
Men, 16 years and over	6,362	5,054	27.7	6.3	80.6	31.2	18.4	6.7	1.71
16 to 19 years	925	865	16.0	3.6	82.8	22.7	17.3	6.6	1.49
20 to 24 years	1,433	1,172	28.3	6.3	84.6	30.2	18.5	3.5	1.72
25 to 34 years	1,838	1,394	31.1	6.3	79.3	36.0	18.1	6.2	1.77
35 to 44 years	998	764	35.3	6.2	79.3	32.2	21.6	10.3	1.85
45 to 54 years	657	488	29.3	8.6	77.5	34.8	18.2	6.8	1.75
55 to 64 years	437	312	25.6	10.3	74.4	30.1	14.4	12.2	1.67
65 years and over	73	58	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	4,404	3,815	20.9	5.6	79.6	32.5	12.2	4.8	1.56
16 to 19 years	817	772	12.8	2.5	85.5	24.4	9.3	7.6	1.42
20 to 24 years	962	855	23.5	6.1	78.5	33.0	12.5	5.5	1.59
25 to 34 years	1,215	1,045	22.5	6.6	79.1	35.2	10.9	3.3	1.58
35 to 44 years	695	575	23.0	8.7	80.0	34.3	14.1	3.0	1.63
45 to 54 years	456	345	22.9	2 ²	76.5	37.7	16.5	3.5	1.59
55 to 64 years	217	189	28.0	8.0	72.5	37.0	13.8	5.3	1.65
65 years and over	41	34	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	8,195	6,593	23.3	6.1	80.9	33.1	16.0	8.2	1.66
Men	4,932	3,821	26.9	6.6	80.6	32.7	18.7	7.4	1.73
Women	3,263	2,772	18.4	5.3	81.3	33.7	12.3	4.4	1.56
Black, 16 years and over	2,292	2,035	29.5	6.0	77.7	14.4	27.6	5.1	1.60
Men	1,270	1,094	30.3	5.1	80.1	16.8	26.7	4.5	1.63
Women	1,022	941	26.7	7.0	75.0	11.6	28.7	5.7	1.57

¹ Data not shown where base is less than 75,000.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new 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.

A-19. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	May 1983								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	10,765	8,869	24.8	8.0	80.1	31.8	15.7	5.9	1.64
Job losers ¹	6,441	4,876	30.4	7.0	81.5	33.9	18.3	5.6	1.77
Job leavers	757	755	23.6	5.7	77.1	37.9	12.2	3.2	1.60
Reentrants	2,365	2,259	18.8	5.8	77.2	31.4	12.9	7.2	1.53
New entrants	1,203	1,180	14.8	2.5	82.1	20.2	13.4	6.3	1.39
Men, 16 years and over	6,362	5,054	27.7	6.3	80.6	31.2	18.4	6.7	1.71
Job losers ¹	4,519	3,268	31.6	7.5	80.8	32.9	19.7	8.8	1.79
Job leavers	340	329	23.7	4.9	78.1	41.6	19.8	3.0	1.71
Reentrants	934	892	21.9	4.7	79.0	29.3	14.8	8.3	1.58
New entrants	569	564	16.0	2.5	83.3	19.1	15.6	5.5	1.42
Women, 16 years and over	4,404	3,815	20.9	5.6	79.6	32.5	12.2	4.8	1.56
Job losers ¹	1,921	1,407	27.2	6.0	83.4	36.4	15.0	2.8	1.71
Job leavers	417	426	23.7	6.3	76.3	35.0	6.1	3.3	1.51
Reentrants	1,431	1,366	16.9	6.4	76.0	33.0	11.6	6.4	1.50
New entrants	634	616	13.8	2.6	81.0	20.9	11.4	7.0	1.37

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-20. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

Industry and age	Total		Men		Women	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
All industries	99,957	99,543	56,767	56,175	43,191	43,368
16 to 19 years	6,504	5,948	3,458	3,154	3,047	2,784
16 to 17 years	2,465	2,125	1,362	1,142	1,102	982
18 to 19 years	4,040	3,823	2,096	2,012	1,944	1,811
20 to 24 years	13,639	13,310	7,229	7,027	6,410	6,283
25 to 54 years	65,287	66,068	37,397	37,570	27,890	28,498
25 to 34 years	28,249	28,678	16,164	16,156	12,084	12,522
35 to 44 years	20,908	21,667	11,923	12,310	8,985	9,357
45 to 54 years	16,130	15,723	9,309	9,105	6,821	6,618
55 to 64 years	11,482	11,302	6,840	6,683	4,641	4,619
55 to 59 years	7,100	6,859	4,214	4,055	2,886	2,804
60 to 64 years	4,382	4,443	2,627	2,628	1,755	1,815
65 years and over	3,045	2,915	1,843	1,741	1,202	1,174
Agriculture	3,589	3,511	2,864	2,809	725	702
16 to 19 years	412	351	351	296	61	55
16 to 17 years	211	166	184	138	27	28
18 to 19 years	201	185	167	158	34	27
20 to 24 years	441	473	348	376	93	96
25 to 54 years	1,899	1,902	1,459	1,463	440	439
25 to 34 years	843	867	666	708	177	159
35 to 44 years	568	524	419	383	149	142
45 to 54 years	488	511	374	373	114	138
55 to 64 years	501	491	402	411	99	80
55 to 59 years	261	257	202	211	59	46
60 to 64 years	240	235	200	200	40	34
65 years and over	336	294	304	263	32	31
Nonagricultural industries	96,368	96,032	53,902	53,366	42,466	42,665
16 to 19 years	6,092	5,597	3,106	2,858	2,986	2,738
16 to 17 years	2,254	1,958	1,178	1,004	1,076	954
18 to 19 years	3,838	3,639	1,928	1,854	1,910	1,784
20 to 24 years	13,198	12,837	6,881	6,650	6,317	6,187
25 to 54 years	63,388	64,166	35,938	36,107	27,450	28,059
25 to 34 years	27,405	27,811	15,498	15,448	11,907	12,363
35 to 44 years	20,340	21,143	11,504	11,927	8,836	9,216
45 to 54 years	15,643	15,212	8,935	8,732	6,707	6,480
55 to 64 years	10,981	10,811	6,439	6,272	4,542	4,539
55 to 59 years	6,839	6,602	4,012	3,844	2,827	2,758
60 to 64 years	4,142	4,209	2,427	2,428	1,715	1,780
65 years and over	2,709	2,621	1,539	1,478	1,171	1,143

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-21. Employed civilians by occupation, sex, and age

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
Total	99,957	99,543	56,767	56,175	53,309	53,021	43,191	43,368	40,144	40,574
Managerial and professional specialty	23,189	23,597	13,819	13,893	13,726	13,817	9,370	9,704	9,274	9,642
Executive, administrative, and managerial	10,467	10,585	7,122	7,203	7,079	7,174	3,345	3,382	3,308	3,360
Officials and administrators, public administration	(¹)	524	(¹)	357	(¹)	357	(¹)	167	(¹)	168
Other executive, administrative, and managerial	(¹)	7,171	(¹)	5,103	(¹)	5,079	(¹)	2,068	(¹)	2,054
Management-related occupations	(¹)	2,890	(¹)	1,743	(¹)	1,738	(¹)	1,147	(¹)	1,138
Professional specialty	12,722	13,012	6,697	6,690	6,647	6,643	6,026	6,322	5,966	6,282
Engineers	1,609	1,590	1,499	1,514	1,497	1,512	110	76	109	76
Mathematical and computer scientists	549	458	378	295	377	295	171	163	172	163
Natural scientists	348	333	284	262	282	262	63	71	63	71
Health diagnosing occupations	698	778	621	680	622	680	77	98	77	98
Health assessment and treating occupations	1,819	1,908	276	259	275	258	1,543	1,648	1,538	1,647
Teachers, college and university	576	589	398	368	399	367	178	221	177	220
Teachers, except college and university	3,516	3,545	1,089	1,042	1,079	1,031	2,426	2,503	2,405	2,490
Lawyers and judges	632	670	527	563	527	562	105	107	104	107
Other professional specialty occupations	2,977	3,142	1,624	1,707	1,589	1,676	1,353	1,435	1,320	1,411
Technical, sales, and administrative support	30,690	30,838	11,042	11,074	10,545	10,548	19,648	19,764	18,167	18,407
Technicians and related support	2,871	3,062	1,601	1,660	1,578	1,642	1,270	1,402	1,256	1,381
Health technologists and technicians	963	1,089	176	175	176	174	788	915	779	902
Engineering and science technicians	1,115	1,064	893	865	874	858	222	198	222	193
Technicians, except health, engineering, and science	793	909	533	620	526	609	260	289	256	286
Sales occupations	11,079	11,589	6,099	6,199	5,799	5,856	4,980	5,390	4,197	4,622
Supervisors and proprietors	2,733	3,009	2,164	2,166	2,144	2,136	570	843	566	827
Sales representatives, finance and business services	1,767	1,748	1,160	1,089	1,151	1,074	607	659	597	637
Sales representatives, commodities, except retail	1,411	1,468	1,216	1,272	1,205	1,266	196	196	186	190
Sales workers, retail and personal services	5,149	5,312	1,552	1,658	1,291	1,364	3,597	3,654	2,838	2,931
Sales-related occupations	18	52	7	15	7	15	10	37	10	37
Administrative support, including clerical	16,740	16,187	3,341	3,214	3,170	3,051	13,399	12,972	12,714	12,404
Supervisors	(¹)	668	(¹)	326	(¹)	326	(¹)	342	(¹)	340
Computer equipment operators	614	586	216	203	214	187	399	383	385	362
Secretaries, stenographers, and typists	4,852	4,821	89	84	85	78	4,763	4,737	4,524	4,557
Financial records processing	2,444	2,512	228	262	222	260	2,216	2,250	2,181	2,193
Mail and message distributing	769	785	548	546	518	525	221	239	211	228
Other administrative support, including clerical	(¹)	8,814	(¹)	1,793	(¹)	1,675	(¹)	5,021	(¹)	4,725
Service occupations	13,512	13,507	5,278	5,382	4,334	4,509	8,234	8,126	7,061	7,010
Private household	940	932	24	29	15	22	916	904	726	708
Protective service	1,568	1,598	1,391	1,414	1,352	1,389	177	184	168	172
Service, except private household and protective	11,003	10,977	3,863	3,939	2,967	3,097	7,140	7,038	6,167	6,129
Food service	4,939	4,788	1,604	1,693	984	1,104	3,336	3,095	2,605	2,454
Health service	1,765	1,639	262	182	246	175	1,503	1,457	1,410	1,379
Cleaning and building service	2,616	2,677	1,643	1,651	1,414	1,468	973	1,026	901	936
Personal service	1,683	1,874	355	413	323	350	1,328	1,460	1,251	1,360
Precision production, craft, and repair	11,806	11,744	11,007	10,839	10,695	10,590	799	905	772	895
Mechanics and repairers	3,942	3,976	3,846	3,867	3,716	3,781	96	109	94	109
Construction trades	3,964	4,026	3,865	3,961	3,745	3,852	100	65	93	64
Other precision production, craft, and repair	3,900	3,741	3,296	3,010	3,234	2,956	603	731	586	722
Operators, fabricators, and laborers	16,750	15,891	12,272	11,627	11,155	10,637	4,478	4,264	4,268	4,082
Machine operators, assemblers, and inspectors	8,007	7,585	4,727	4,349	4,518	4,163	3,280	3,236	3,160	3,141
Manufacturing industries	6,754	6,416	3,877	3,596	3,729	3,466	2,877	2,820	2,779	2,752
Durable goods	3,866	3,391	2,587	2,228	2,487	2,154	1,279	1,163	1,244	1,144
Nondurable goods	2,888	3,025	1,290	1,368	1,242	1,312	1,598	1,657	1,535	1,608
Nonmanufacturing industries	1,254	1,169	850	753	789	698	404	416	381	390
Transportation and material moving occupations	4,228	4,247	3,889	3,902	3,738	3,774	339	346	333	339
Motor vehicle operators	2,982	3,004	2,691	2,708	2,558	2,599	291	296	285	289
Other transportation and material moving occupations	1,246	1,244	1,199	1,194	1,180	1,176	48	50	48	50
Handlers, equipment cleaners, helpers, and laborers	4,514	4,059	3,655	3,377	2,899	2,700	859	682	775	601
Construction laborers	549	611	540	600	469	544	9	11	9	11
Other handlers, equipment cleaners, helpers, and laborers	3,965	3,448	3,115	2,777	2,430	2,156	849	671	768	591
Farming, forestry, and fishing	3,982	3,965	3,339	3,361	2,841	2,921	643	603	583	539
Farm operators and managers	1,524	1,446	1,327	1,285	1,297	1,267	197	161	196	159
Other farming, forestry, and fishing occupations	2,458	2,519	2,011	2,076	1,543	1,654	446	443	387	380

¹ Data for 1982 are not shown because they do not meet reliability standards for publication.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-22. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	May 1982	May 1983	May 1982	May 1983	May 1982	May 1983
TOTAL						
Total, 16 years and over (thousands)	99,957	99,543	56,767	56,175	43,191	43,368
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	23.2	23.7	24.3	24.7	21.7	22.4
Executive, administrative, and managerial	10.5	10.8	12.5	12.8	7.7	7.8
Professional specialty	12.7	13.1	11.8	11.9	14.0	14.6
Technical, sales, and administrative support	30.7	31.0	19.5	19.7	45.5	45.6
Technicians and related support	2.9	3.1	2.8	3.0	2.9	3.2
Sales occupations	11.1	11.6	10.7	11.0	11.5	12.4
Administrative support, including clerical	16.8	16.3	5.9	5.7	31.0	29.9
Service occupations	13.5	13.8	9.3	9.6	19.1	18.7
Private household .....	.9	.9	(¹)	.1	2.1	2.1
Protective service	1.6	1.6	2.5	2.5	.4	.4
Service, except private household and protective	11.0	11.0	6.8	7.0	16.5	16.2
Precision production, craft, and repair	11.8	11.8	19.4	19.3	1.9	2.1
Operators, fabricators, and laborers	16.8	16.0	21.6	20.7	10.4	9.8
Machine operators, assemblers, and inspectors	8.0	7.6	8.3	7.7	7.6	7.5
Transportation and material moving occupations	4.2	4.3	6.9	6.9	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.5	4.1	6.4	6.0	2.0	1.6
Farming, forestry, and fishing	4.0	4.0	5.9	6.0	1.5	1.4
White						
Total, 16 years and over (thousands)	88,348	87,814	50,749	50,194	37,599	37,621
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.2	24.5	25.5	25.7	22.5	22.9
Executive, administrative, and managerial	11.2	11.2	13.3	13.5	8.2	8.1
Professional specialty	13.1	13.3	12.2	12.2	14.3	14.8
Technical, sales, and administrative support	31.3	31.6	19.7	20.1	46.8	47.1
Technicians and related support	2.9	3.1	2.9	3.0	2.9	3.2
Sales occupations	11.7	12.3	11.3	11.6	12.2	13.2
Administrative support, including clerical	16.7	16.2	5.6	5.5	31.7	30.6
Service occupations	12.3	12.4	8.3	8.7	17.6	17.5
Private household .....	.7	.7	(¹)	(¹)	1.7	1.7
Protective service	1.5	1.5	2.4	2.4	.4	.4
Service, except private household and protective	10.0	10.2	5.9	6.2	15.6	15.4
Precision production, craft, and repair	12.1	12.2	19.8	19.9	1.8	2.0
Operators, fabricators, and laborers	16.0	15.1	20.8	19.7	9.6	9.1
Machine operators, assemblers, and inspectors	7.6	7.2	8.1	7.5	7.0	8.7
Transportation and material moving occupations	4.1	4.1	6.6	6.6	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.3	3.8	6.1	5.5	1.9	1.6
Farming, forestry, and fishing	4.1	4.1	6.0	6.1	1.5	1.5
Black						
Total, 16 years and over (thousands)	9,167	9,234	4,664	4,636	4,503	4,598
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	(²)	15.4	(²)	12.7	(²)	18.0
Executive, administrative, and managerial	(²)	5.7	(²)	5.9	(²)	5.4
Professional specialty	(²)	9.7	(²)	6.8	(²)	12.6
Technical, sales, and administrative support	(²)	25.0	(²)	15.2	(²)	34.8
Technicians and related support	(²)	2.5	(²)	2.2	(²)	2.8
Sales occupations	(²)	5.8	(²)	5.0	(²)	6.5
Administrative support, including clerical	(²)	16.7	(²)	8.0	(²)	25.5
Service occupations	(²)	23.8	(²)	18.2	(²)	29.1
Private household	(²)	2.7	(²)	.2	(²)	5.3
Protective service	(²)	2.3	(²)	4.1	(²)	.8
Service, except private household and protective	(²)	18.6	(²)	14.0	(²)	23.3
Precision production, craft, and repair	(²)	8.4	(²)	14.9	(²)	1.9
Operators, fabricators, and laborers	(²)	24.4	(²)	33.5	(²)	15.1
Machine operators, assemblers, and inspectors	(²)	11.5	(²)	10.4	(²)	12.6
Transportation and material moving occupations	(²)	6.2	(²)	11.5	(²)	.9
Handlers, equipment cleaners, helpers, and laborers	(²)	6.7	(²)	11.6	(²)	1.7
Farming, forestry, and fishing	(²)	3.2	(²)	5.5	(²)	1.0

¹ Less than 0.05 percent.

² Data for 1982 are not shown because they do not meet reliability

standards for publication.

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

(In thousands)

Age and sex	May 1983								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 18 years and over	88,104	1,196	15,756	71,152	7,556	372	1,665	1,605	242
16 to 19 years	5,487	310	321	4,836	98	32	246	46	56
16 to 17 years	1,895	209	83	1,603	44	19	103	32	32
18 to 19 years	3,572	101	238	3,233	53	13	143	15	26
20 to 24 years	12,449	170	1,262	11,017	369	19	363	76	34
25 to 34 years	25,872	175	4,471	21,226	1,855	64	494	342	31
35 to 44 years	19,056	130	4,173	14,753	2,015	72	247	242	35
45 to 54 years	13,838	143	3,076	10,419	1,489	85	146	320	45
55 to 64 years	9,601	160	2,096	7,346	1,161	49	128	343	21
55 to 59 years	5,912	77	1,311	4,524	657	34	74	188	15
60 to 64 years	3,690	82	785	2,822	504	15	54	175	5
65 years and over	2,021	108	356	1,555	569	32	41	235	18
Men, 18 years and over	48,192	220	7,873	40,300	5,109	65	1,323	1,396	90
16 to 19 years	2,766	105	157	2,504	71	21	208	40	47
16 to 17 years	954	75	40	639	34	17	84	27	27
18 to 19 years	1,812	30	117	1,666	37	5	124	13	21
20 to 24 years	8,393	44	555	5,795	250	6	264	89	23
25 to 34 years	14,244	35	2,075	12,135	1,165	19	404	298	6
35 to 44 years	10,562	13	2,050	8,516	1,343	2	173	210	-
45 to 54 years	7,879	6	1,562	6,111	1,051	2	115	254	3
55 to 64 years	5,438	7	1,074	4,354	629	7	101	309	1
55 to 59 years	3,366	-	667	2,699	473	5	59	152	-
60 to 64 years	2,070	7	408	1,655	356	2	42	157	1
65 years and over	1,092	10	200	883	380	6	36	216	9
Women, 18 years and over	39,912	976	8,084	30,852	2,447	307	341	209	152
16 to 19 years	2,701	205	184	2,332	27	11	38	6	11
16 to 17 years	941	134	43	764	11	2	19	4	5
18 to 19 years	1,760	71	121	1,567	18	8	20	2	5
20 to 24 years	8,058	128	707	5,223	119	11	79	7	10
25 to 34 years	11,627	141	2,396	9,091	870	65	90	45	25
35 to 44 years	8,474	116	2,122	6,235	872	70	74	32	35
45 to 54 years	5,959	137	1,515	4,308	438	82	31	66	41
55 to 64 years	4,165	153	1,021	2,991	332	41	27	34	20
55 to 59 years	2,546	77	644	1,825	184	29	15	16	15
60 to 64 years	1,620	76	378	1,166	148	12	12	16	5
65 years and over	929	98	158	673	189	25	3	19	9

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-24. Employed civilians by industry and occupation

(In thousands)

Industry	May 1983												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,511	33	50	36	13	105	-	25	44	8	31	8	3,157
Mining	921	154	103	39	12	129	-	10	277	26	147	22	1
Construction	6,042	728	97	46	55	391	-	33	3,309	120	509	742	12
Manufacturing	19,568	1,970	1,491	710	652	2,376	-	403	3,692	6,416	824	930	104
Durable goods	11,521	1,144	1,001	507	260	1,366	-	217	2,653	3,391	437	442	101
Nondurable goods	6,047	826	490	203	391	1,010	-	186	1,038	3,025	387	488	3
Transportation and public utilities	6,849	630	371	223	250	1,957	-	238	1,187	106	1,441	430	15
Wholesale and retail trade	20,696	1,672	332	71	8,581	2,149	-	3,976	1,308	233	789	1,568	16
Wholesale trade	4,294	466	71	38	1,692	841	-	50	279	123	424	303	10
Retail trade	16,402	1,206	262	33	6,889	1,309	-	3,926	1,029	110	365	1,265	6
Finance, insurance, and real estate	6,252	1,355	181	116	1,429	2,690	-	246	99	11	11	18	96
Services	30,948	3,026	9,761	1,637	584	5,079	932	6,512	1,589	628	423	276	499
Private households	1,199	2	3	24	-	4	932	43	9	3	2	13	164
Other service industries	29,749	3,024	9,758	1,813	584	5,075	-	6,469	1,580	625	421	263	335
Professional services	20,859	1,756	8,863	1,349	123	3,838	-	4,003	355	153	252	58	110
Public administration	4,756	1,017	624	184	14	1,310	-	1,132	239	37	72	63	64

¹ Includes protective service, not shown separately.

estimation procedures.

NOTE: Detail may not add to totals because of changes in the

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	May 1982	May 1983	Total		Wage and salary workers ¹			
			May 1982	May 1983	Paid absences		Unpaid absences	
					May 1982	May 1983	May 1982	May 1983
Total, 16 years and over	4,080	3,951	4,014	3,843	2,016	1,844	1,550	1,470
Vacation	1,670	1,534	1,662	1,523	1,229	1,069	314	296
Illness	1,305	1,355	1,287	1,318	582	560	614	644
Bad weather	59	69	43	44	(²)	(²)	(²)	(²)
Industrial dispute	38	33	38	33	(²)	(²)	(²)	(²)
All other reasons	1,008	959	984	925	205	215	622	530
Men, 16 years and over	2,167	2,033	2,110	1,955	1,175	999	658	665
Vacation	945	833	937	829	744	623	124	128
Illness	706	700	691	667	351	284	278	311
All other reasons ³	516	500	482	459	81	93	255	226
Women, 16 years and over	1,913	1,918	1,905	1,889	840	845	891	805
Vacation	725	702	724	694	485	446	190	167
Illness	599	656	596	652	231	276	335	334
All other reasons ³	588	561	584	542	125	123	366	303

¹ Excludes private household workers.

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

³ Includes bad weather and industrial dispute, not shown separately.

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

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

Hours of work	May 1983					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	95,592	3,404	92,186	100.0	100.0	100.0
1 to 34 hours	24,082	1,028	23,054	25.2	30.2	25.0
1 to 4 hours	896	70	826	.9	2.1	.9
5 to 14 hours	4,742	258	4,484	5.0	7.6	4.9
15 to 29 hours	11,834	488	11,346	12.4	14.3	12.3
30 to 34 hours	6,610	212	6,398	8.9	6.2	6.9
35 hours and over	71,509	2,376	69,134	74.8	69.6	75.0
35 to 39 hours	7,017	135	6,882	7.3	4.0	7.5
40 hours	40,690	569	40,121	42.6	16.7	43.5
41 hours and over	23,802	1,672	22,131	24.9	49.1	24.0
41 to 48 hours	8,871	243	8,628	9.3	7.1	9.4
49 to 59 hours	8,275	401	7,874	8.7	11.8	8.5
60 hours and over	6,656	1,028	5,629	7.0	30.2	6.1
Average hours, total at work	36.3	44.6	38.1	-	-	-
Average hours, workers on full-time schedules	43.1	53.2	42.8	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	May 1983					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	24,082	6,444	17,638	23,054	6,130	16,924
Economic reasons	5,913	1,787	4,126	5,664	1,705	3,959
Slack work	2,703	1,461	1,242	2,565	1,396	1,169
Material shortages or repairs to plant and equipment	51	51	-	48	48	-
New job started during week	200	200	-	188	188	-
Job terminated during week	74	74	-	72	72	-
Could find only part-time work	2,884	-	2,884	2,790	-	2,790
Other reasons	18,166	4,654	13,512	17,391	4,426	12,965
Does not want, or unavailable for, full-time work	11,359	-	11,359	10,922	-	10,922
Vacation	1,196	1,196	-	1,186	1,186	-
Illness	1,647	1,512	135	1,615	1,489	126
Bad weather	465	465	-	338	338	-
Industrial dispute	12	12	-	12	12	-
Legal or religious holiday	53	53	-	51	51	-
Full time for this job	1,501	-	1,501	1,462	-	1,462
All other reasons	1,936	1,418	518	1,804	1,348	456
Average hours:						
Economic reasons	21.7	24.8	20.3	21.7	24.8	20.4
Other reasons	20.5	26.4	18.5	20.8	26.5	18.6
Worked 30 to 34 hours:						
Economic reasons	1,653	864	989	1,792	828	964
Other reasons	4,757	2,519	2,238	4,606	2,426	2,180

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-28. Persons at work in nonagricultural industries by class of worker and full- or part-time status

(Numbers in thousands)

Industry	May 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	92,188	5,664	12,965	73,559	51,428	8,628	13,503	38.1	42.8
Wage and salary workers	84,749	4,970	11,562	68,217	48,957	8,030	11,230	38.0	42.4
Mining	854	55	14	785	189	100	207	44.6	46.4
Construction	4,708	463	193	4,052	2,969	429	654	39.0	41.9
Manufacturing	18,410	687	577	17,146	12,581	2,363	2,202	40.5	41.8
Durable goods	10,854	274	245	10,335	7,559	1,394	1,382	41.1	41.9
Nondurable goods	7,556	413	331	6,812	5,023	969	820	39.8	41.7
Transportation and public utilities	6,250	251	306	5,693	4,013	673	1,007	41.0	42.9
Wholesale and retail trade	17,924	1,618	4,346	11,960	7,721	1,686	2,553	35.6	43.4
Finance, insurance, and real estate	5,495	130	477	4,888	3,703	498	687	39.1	41.4
Service industries	26,568	1,701	5,394	19,473	14,156	1,932	3,385	36.1	42.4
Private households	1,157	233	582	342	254	27	61	22.2	43.3
All other industries	25,411	1,468	4,812	19,131	13,902	1,905	3,324	36.7	42.4
Public administration	4,540	63	257	4,220	3,336	351	533	40.0	41.6
Self-employed workers	7,068	665	1,235	5,168	2,376	582	2,210	39.6	47.9
Unpaid family workers	372	28	166	176	99	16	61	33.5	45.9

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 1983							
	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		
TOTAL								
Total, 16 years and over	92,188	5,664	12,965	73,559	51,428	22,131	38.1	42.8
16 to 19 years	5,451	652	3,202	1,597	1,267	330	23.2	40.2
16 to 17 years	1,916	84	1,687	155	132	23	15.9	36.6
18 to 19 years	3,535	558	1,535	1,442	1,134	308	27.2	40.6
20 years and over	88,738	5,012	9,763	71,963	50,163	21,800	39.0	42.8
20 to 24 years	12,389	1,177	1,997	9,215	6,935	2,280	36.0	41.6
25 years and over	74,350	3,835	7,765	62,750	43,230	19,520	39.6	43.1
25 to 44 years	47,117	2,527	4,227	40,363	27,340	13,023	39.9	43.1
45 to 64 years	24,817	1,198	2,430	21,189	15,051	6,138	39.6	42.8
65 years and over	2,416	111	1,109	1,196	839	357	30.3	43.3
Men, 16 years and over	51,412	2,621	3,830	44,961	28,466	16,495	41.0	44.1
16 to 19 years	2,793	315	1,587	891	888	203	24.1	40.7
16 to 17 years	981	50	862	69	52	17	16.1	(¹)
18 to 19 years	1,812	265	725	822	636	186	28.4	40.9
20 years and over	48,619	2,306	2,244	44,069	27,776	16,293	42.0	44.2
20 to 24 years	6,440	561	798	5,081	3,491	1,590	38.0	42.8
25 years and over	42,180	1,746	1,446	38,988	24,286	14,702	42.6	44.3
25 to 44 years	26,454	1,139	540	24,775	15,009	9,766	43.2	44.6
45 to 64 years	14,353	551	365	13,437	8,758	4,679	42.5	44.0
65 years and over	1,373	56	541	776	517	259	32.8	44.2
Women, 16 years and over	40,777	3,042	9,135	28,800	22,965	5,635	34.4	40.6
16 to 19 years	2,658	337	1,615	706	578	128	22.3	39.5
16 to 17 years	935	44	806	85	79	8	15.6	34.2
18 to 19 years	1,723	293	810	620	498	122	26.0	40.3
20 years and over	38,119	2,706	7,519	27,694	22,387	5,507	35.2	40.7
20 to 24 years	5,949	817	1,199	4,133	3,442	691	33.9	40.0
25 years and over	32,170	2,089	6,320	23,761	18,944	4,817	35.4	40.8
25 to 44 years	20,663	1,387	3,688	15,588	12,330	3,256	35.8	40.8
45 to 64 years	10,465	646	2,065	7,754	6,293	1,461	35.6	40.6
65 years and over	1,043	55	566	420	322	98	27.1	41.6
RACE								
White, 16 years and over	81,194	4,638	11,922	64,834	44,124	20,510	38.2	43.0
Men	45,851	2,127	3,484	40,240	24,618	15,424	41.3	44.4
Women	35,343	2,511	8,438	24,394	19,308	5,086	34.2	40.7
Black, 16 years and over	6,829	880	740	7,009	5,860	1,149	36.8	40.7
Men	4,297	429	227	3,641	2,896	745	38.2	41.4
Women	4,332	451	513	3,368	2,964	404	35.4	39.9
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	34,479	1,225	1,034	32,220	19,797	12,423	43.0	44.5
Widowed, divorced, or separated	4,590	285	212	4,093	2,627	1,466	41.4	43.9
Single (never married)	12,342	1,110	2,584	8,648	8,041	2,607	35.4	42.8
Women, 16 years and over:								
Married, spouse present	22,746	1,563	5,453	15,730	12,751	2,979	34.3	40.5
Widowed, divorced, or separated	7,800	591	942	6,267	4,908	1,359	37.1	41.1
Single (never married)	10,231	888	2,740	6,803	5,305	1,298	32.5	40.5

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	May 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	91,758	5,576	12,861	73,322	51,217	8,607	13,498	38.1	42.8
Managerial and professional specialty	22,743	540	2,050	20,152	12,252	2,415	5,485	41.6	44.5
Executive, administrative, and managerial	10,196	159	481	9,577	5,472	1,198	2,907	43.7	45.2
Professional specialty	12,546	382	1,569	10,575	6,780	1,217	2,578	39.8	43.9
Technical, sales, and administrative support	29,620	1,368	5,312	22,940	16,987	2,363	3,590	37.0	42.0
Technicians and related support	2,930	41	381	2,528	1,896	295	337	39.0	41.9
Sales occupations	11,127	688	2,424	8,015	4,516	1,043	2,456	38.0	45.2
Administrative support, including clerical	15,563	639	2,526	12,398	10,575	1,026	797	35.9	40.0
Service occupations	12,914	1,616	3,916	7,382	5,621	716	1,044	32.1	42.1
Private household	901	159	455	287	212	21	53	23.7	43.9
Protective service	1,517	48	126	1,343	849	205	289	41.7	44.8
Service, except private household and protective	10,498	1,408	3,335	5,752	4,559	491	702	31.4	41.4
Precision production, craft, and repair	11,286	723	359	10,204	7,170	1,353	1,681	40.5	42.6
Operators, fabricators, and laborers	15,195	1,328	1,223	12,644	9,188	1,759	1,697	38.5	42.0
Machine operators, assemblers, and inspectors	7,277	472	270	6,535	5,074	913	549	39.3	41.0
Transportation and material moving occupations	4,058	352	259	3,447	2,048	493	906	41.3	45.0
Handlers, equipment cleaners, helpers, and laborers	3,861	504	895	2,662	2,066	353	243	34.4	40.8
Men, 16 years and over	50,897	2,534	3,698	44,665	28,218	5,780	10,668	41.2	44.2
Managerial and professional specialty	13,466	234	559	12,673	6,894	1,481	4,298	44.4	46.0
Executive, administrative, and managerial	6,964	92	184	6,689	3,421	849	2,419	45.4	46.4
Professional specialty	6,501	142	376	5,984	3,473	632	1,879	43.4	45.6
Technical, sales, and administrative support	10,712	240	983	9,490	5,642	1,248	2,599	41.6	44.8
Technicians and related support	1,598	13	103	1,483	1,073	162	247	40.8	42.5
Sales occupations	6,028	123	591	5,314	2,546	732	2,036	43.6	47.0
Administrative support, including clerical	3,086	104	289	2,693	2,023	353	316	38.8	41.7
Service occupations	5,178	467	1,086	3,625	2,587	405	633	35.9	43.3
Private household	29	5	6	17	11	-	6	(¹)	(¹)
Protective service	1,347	44	70	1,233	782	196	274	42.9	45.1
Service, except private household and protective	3,802	418	1,009	2,375	1,814	208	353	33.4	42.3
Precision production, craft, and repair	10,430	680	242	9,507	6,609	1,292	1,606	40.8	42.7
Operators, fabricators, and laborers	11,111	914	827	9,370	6,484	1,355	1,532	39.3	42.7
Machine operators, assemblers, and inspectors	4,159	204	109	3,847	2,823	597	427	40.4	41.8
Transportation and material moving occupations	3,733	305	152	3,276	1,921	473	881	42.1	45.1
Handlers, equipment cleaners, helpers, and laborers	3,218	405	566	2,247	1,739	284	223	34.6	40.9
Women, 16 years and over	40,862	3,042	9,163	28,657	23,001	2,826	2,830	34.4	40.6
Managerial and professional specialty	9,277	306	1,491	7,479	5,358	934	1,187	37.4	41.8
Executive, administrative, and managerial	3,232	67	278	2,868	2,051	349	488	40.0	42.2
Professional specialty	6,045	240	1,214	4,591	3,307	586	699	36.0	41.6
Technical, sales, and administrative support	18,908	1,129	4,328	13,451	11,345	1,115	991	34.3	40.1
Technicians and related support	1,332	29	258	1,045	823	133	89	36.8	41.1
Sales occupations	5,098	565	1,833	2,700	1,969	310	421	31.3	41.5
Administrative support, including clerical	12,477	535	2,237	9,705	8,552	672	480	35.2	39.5
Service occupations	7,736	1,149	2,830	3,756	3,033	312	411	29.5	40.9
Private household	872	154	448	269	202	21	47	23.3	43.4
Protective service	171	5	56	110	87	9	15	32.0	41.2
Service, except private household and protective	6,693	990	2,326	3,377	2,745	282	350	30.3	40.7
Precision production, craft, and repair	857	43	117	697	561	61	75	37.0	40.7
Operators, fabricators, and laborers	4,085	415	396	3,274	2,704	404	166	36.5	40.0
Machine operators, assemblers, and inspectors	3,117	268	161	2,686	2,251	315	122	37.7	39.8
Transportation and material moving occupations	325	47	107	171	126	20	25	31.3	42.2
Handlers, equipment cleaners, helpers, and laborers	842	99	129	414	327	68	19	33.1	40.1

¹ Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-31. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
TOTAL													
Noninstitutional population ¹	173,891	173,854	174,038	174,200	174,360	174,549	174,718	174,864	175,021	175,169	175,320	175,465	175,622
Labor force ¹	112,043	111,811	112,090	112,303	112,528	112,420	112,702	112,794	112,215	112,217	112,148	112,457	112,418
Percent of population ²	64.5	64.3	64.4	64.5	64.5	64.4	64.5	64.5	64.1	64.1	64.0	64.1	64.0
Total employed ¹	101,659	101,345	101,262	101,372	101,213	100,844	100,796	100,758	100,770	100,727	100,767	101,129	101,226
Employment-population ratio ³	58.5	58.3	58.2	58.2	58.0	57.8	57.7	57.6	57.6	57.5	57.5	57.6	57.6
Resident Armed Forces	1,665	1,664	1,674	1,689	1,670	1,668	1,660	1,665	1,667	1,664	1,664	1,671	1,669
Civilian employed	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557
Agriculture	3,446	3,371	3,445	3,429	3,363	3,413	3,466	3,411	3,412	3,393	3,375	3,371	3,387
Nonagricultural industries	96,548	96,310	96,143	96,254	96,180	95,763	95,670	95,682	95,691	95,670	95,729	96,088	96,190
Unemployed	10,384	10,466	10,828	10,931	11,315	11,578	11,906	12,036	11,446	11,490	11,381	11,328	11,192
Unemployment rate ⁴	9.3	9.4	9.7	9.7	10.1	10.3	10.8	10.7	10.2	10.2	10.1	10.1	10.0
Not in labor force	61,648	62,043	61,948	61,897	61,832	62,129	62,016	62,070	62,806	62,952	63,172	63,008	63,204
Men													
Noninstitutional population ¹	82,929	83,006	83,097	83,173	83,231	83,323	83,402	83,581	83,652	83,720	83,789	83,856	83,931
Labor force ¹	64,172	63,851	63,898	64,055	64,301	64,300	64,414	64,384	63,916	63,996	63,957	64,207	64,276
Percent of population ²	77.4	76.9	76.9	77.0	77.3	77.2	77.2	77.0	76.4	76.4	76.3	76.6	76.6
Total employed ¹	58,251	57,775	57,664	57,710	57,598	57,456	57,408	57,338	57,283	57,234	57,300	57,476	57,656
Employment-population ratio ³	70.2	69.6	69.4	69.4	69.2	69.0	68.8	68.6	68.5	68.4	68.4	68.5	68.7
Resident Armed Forces	1,527	1,526	1,537	1,551	1,526	1,524	1,516	1,529	1,531	1,528	1,528	1,530	1,528
Civilian employed	56,724	56,249	56,127	56,159	56,072	55,932	55,892	55,809	55,752	55,708	55,772	55,946	56,128
Unemployed	5,921	6,076	6,234	6,345	6,703	6,844	7,006	7,046	6,833	6,762	6,657	6,731	6,820
Unemployment rate ⁴	9.2	9.5	9.8	9.9	10.4	10.6	10.9	10.9	10.4	10.6	10.4	10.5	10.3
Not in labor force	18,757	19,155	19,199	19,118	18,930	19,023	18,988	19,197	19,736	19,724	19,832	19,649	19,655
Women													
Noninstitutional population ¹	90,762	90,848	90,941	91,027	91,129	91,226	91,316	91,283	91,369	91,449	91,532	91,609	91,691
Labor force ¹	47,871	47,960	48,192	48,248	48,227	48,120	48,288	48,410	48,299	48,220	48,191	48,251	48,142
Percent of population ²	52.7	52.8	53.0	53.0	52.9	52.7	52.9	53.0	52.9	52.7	52.6	52.7	52.5
Total employed ¹	43,408	43,570	43,598	43,662	43,615	43,388	43,388	43,420	43,486	43,493	43,467	43,653	43,589
Employment-population ratio ³	47.8	48.0	47.9	48.0	47.9	47.6	47.5	47.6	47.6	47.6	47.5	47.7	47.5
Resident Armed Forces	138	138	137	138	144	144	144	136	136	136	136	141	141
Civilian employed	43,270	43,432	43,461	43,524	43,471	43,244	43,244	43,284	43,350	43,357	43,331	43,512	43,428
Unemployed	4,463	4,390	4,594	4,588	4,612	4,732	4,900	4,990	4,813	4,727	4,724	4,597	4,572
Unemployment rate ⁴	9.3	9.2	9.5	9.5	9.6	9.8	10.1	10.3	10.0	9.8	9.8	9.5	9.5
Not in labor force	42,891	42,888	42,749	42,779	42,902	43,106	43,028	42,873	43,070	43,229	43,341	43,358	43,549

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident

Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-31 through A-40 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-32. Employment status of the civilian noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status, sex, and age	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
TOTAL													
Civilian noninstitutional population ¹	172,026	172,190	172,364	172,511	172,690	172,881	173,058	173,199	173,354	173,505	173,656	173,794	173,953
Civilian labor force	110,378	110,147	110,416	110,614	110,858	110,752	111,042	111,129	110,548	110,553	110,484	110,786	110,749
Percent of population	64.2	64.0	64.1	64.1	64.2	64.1	64.2	64.2	63.8	63.7	63.6	63.7	63.7
Employed	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557
Employment-population ratio ²	58.1	57.9	57.6	57.8	57.6	57.4	57.3	57.2	57.2	57.1	57.1	57.2	57.2
Unemployed	10,384	10,466	10,826	10,931	11,315	11,576	11,906	12,036	11,446	11,490	11,381	11,328	11,192
Unemployment rate	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1
Men, 20 years and over													
Civilian noninstitutional population ¹	73,499	73,585	73,685	73,774	73,867	73,984	74,094	74,238	74,339	74,434	74,528	74,611	74,712
Civilian labor force	58,008	57,959	58,055	58,064	58,354	58,363	58,454	58,443	58,048	58,177	58,170	58,454	58,506
Percent of population	78.9	78.8	78.8	78.7	78.0	78.9	78.9	78.7	78.1	78.2	78.1	78.3	78.3
Employed	53,190	52,943	52,905	52,832	52,776	52,649	52,589	52,534	52,452	52,426	52,589	52,752	52,901
Employment-population ratio ²	72.4	71.9	71.8	71.8	71.4	71.2	71.0	70.8	70.6	70.4	70.6	70.7	70.8
Agriculture	2,446	2,424	2,462	2,433	2,436	2,444	2,434	2,389	2,426	2,374	2,420	2,404	2,443
Nonagricultural industries	50,744	50,519	50,443	50,399	50,340	50,205	50,155	50,145	50,025	50,054	50,169	50,348	50,458
Unemployed	4,818	5,016	5,150	5,232	5,578	5,714	5,865	5,909	5,597	5,749	5,581	5,702	5,605
Unemployment rate	8.3	8.7	8.9	9.0	9.6	9.8	10.0	10.1	9.6	9.9	9.6	9.8	9.8
Not in labor force	15,491	15,626	15,630	15,710	15,513	15,821	15,640	15,793	16,291	16,257	16,358	16,157	16,206
Women, 20 years and over													
Civilian noninstitutional population ¹	82,707	82,811	82,926	83,035	83,152	83,271	83,385	83,383	83,490	83,593	83,699	83,794	83,899
Civilian labor force	43,632	43,819	43,983	44,039	43,996	43,936	44,112	44,286	44,201	44,216	44,166	44,238	44,228
Percent of population	52.8	52.9	53.0	53.0	52.9	52.8	52.9	53.1	52.9	52.9	52.8	52.8	52.7
Employed	40,064	40,254	40,311	40,368	40,286	40,112	40,123	40,215	40,238	40,291	40,277	40,509	40,484
Employment-population ratio ²	48.4	48.6	48.6	48.6	48.4	48.2	48.1	48.2	48.2	48.2	48.1	48.3	48.3
Agriculture	614	586	598	590	588	578	590	628	625	657	647	622	597
Nonagricultural industries	39,450	39,668	39,713	39,778	39,698	39,534	39,533	39,587	39,613	39,634	39,630	39,886	39,887
Unemployed	3,568	3,565	3,672	3,671	3,710	3,824	3,989	4,071	3,963	3,925	3,889	3,729	3,744
Unemployment rate	8.2	8.1	8.3	8.3	8.4	8.7	9.0	9.2	9.0	8.9	8.8	8.4	8.5
Not in labor force	39,075	38,992	38,943	38,996	39,156	39,335	39,273	39,097	39,289	39,377	39,533	39,558	39,671
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,820	15,794	15,753	15,702	15,671	15,625	15,579	15,580	15,525	15,478	15,429	15,389	15,342
Civilian labor force	8,738	8,369	8,378	8,511	8,508	8,453	8,476	8,400	8,299	8,160	8,148	8,094	8,015
Percent of population	55.2	53.0	53.2	54.2	54.3	54.1	54.4	53.9	53.5	52.7	52.8	52.6	52.2
Employed	8,740	8,484	8,372	8,483	8,481	8,415	8,424	8,344	8,413	8,345	8,237	8,197	8,172
Employment-population ratio ²	42.6	41.1	40.4	41.3	41.4	41.1	41.2	40.7	41.3	41.0	40.4	40.3	40.2
Agriculture	386	381	385	406	339	391	442	394	361	362	308	344	327
Nonagricultural industries	6,354	6,123	5,987	6,077	6,142	6,024	5,982	5,950	6,052	5,983	5,929	5,853	5,845
Unemployed	1,998	1,885	2,006	2,028	2,027	2,038	2,052	2,056	1,886	1,815	1,911	1,897	1,843
Unemployment rate	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0
Not in labor force	7,082	7,425	7,375	7,191	7,163	7,172	7,103	7,180	7,226	7,318	7,281	7,295	7,327

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
WHITE													
Civilian noninstitutional population ¹	149,250	149,429	149,589	149,538	149,652	149,838	149,887	150,056	150,129	150,187	150,382	150,518	150,671
Civilian labor force	96,405	96,185	96,385	96,375	96,840	96,453	96,719	96,864	96,176	95,987	95,996	96,287	96,382
Percent of population	64.6	64.4	64.4	64.4	64.6	64.4	64.5	64.8	64.1	63.9	63.8	64.0	64.0
Employed	88,350	88,089	88,021	87,979	87,872	87,477	87,435	87,443	87,466	87,194	87,324	87,709	87,777
Employment-population ratio ²	59.2	59.0	58.8	58.8	58.7	58.4	58.3	58.3	58.3	58.1	58.1	58.3	58.3
Unemployed	8,055	8,076	8,364	8,396	8,768	8,976	9,284	9,421	8,711	8,793	8,672	8,577	8,585
Unemployment rate	8.4	8.4	8.7	8.7	9.1	9.3	9.6	9.7	9.1	9.2	9.0	8.9	8.9
Men, 20 years and over													
Civilian labor force	51,300	51,213	51,252	51,260	51,517	51,499	51,531	51,562	51,033	51,151	51,214	51,459	51,589
Percent of population	79.5	79.2	79.2	79.1	79.5	79.4	79.4	79.3	78.4	78.5	78.4	78.7	78.7
Employed	47,474	47,288	47,194	47,142	47,100	46,987	48,837	48,823	48,752	48,682	48,683	47,049	47,150
Employment-population ratio ²	73.6	73.1	72.9	72.7	72.4	72.1	72.0	71.8	71.6	71.6	71.8	71.9	72.0
Unemployed	3,826	3,945	4,058	4,118	4,417	4,512	4,694	4,739	4,281	4,469	4,332	4,409	4,440
Unemployment rate	7.5	7.7	7.9	8.0	8.6	8.8	9.1	9.2	8.4	8.7	8.5	8.6	8.6
Women, 20 years and over													
Civilian labor force	37,373	37,529	37,750	37,658	37,878	37,532	37,762	37,934	37,794	37,588	37,509	37,683	37,703
Percent of population	52.2	52.4	52.6	52.5	52.4	52.1	52.4	52.6	52.4	52.1	51.9	52.1	52.0
Employed	34,680	34,857	34,986	34,929	34,885	34,683	34,749	34,847	34,834	34,695	34,723	34,972	34,961
Employment-population ratio ²	48.4	48.6	48.8	48.7	48.5	48.1	48.2	48.3	48.3	48.1	48.0	48.3	48.3
Unemployed	2,693	2,672	2,764	2,729	2,811	2,869	3,013	3,087	2,960	2,893	2,787	2,711	2,742
Unemployment rate	7.2	7.1	7.3	7.2	7.5	7.6	8.0	8.1	7.8	7.7	7.4	7.2	7.3
Both sexes, 16 to 19 years													
Civilian labor force	7,732	7,423	7,383	7,457	7,447	7,422	7,426	7,368	7,349	7,248	7,273	7,145	7,069
Percent of population	58.9	58.6	58.5	57.3	57.4	57.3	57.5	57.1	57.1	56.5	56.9	56.0	55.7
Employed	6,196	5,964	5,841	5,908	5,907	5,827	5,849	5,773	5,880	5,817	5,719	5,688	5,666
Employment-population ratio ²	47.2	45.5	44.7	45.4	45.5	45.0	45.3	44.8	45.7	45.4	44.8	44.6	44.8
Unemployed	1,536	1,459	1,542	1,549	1,540	1,595	1,577	1,595	1,469	1,431	1,554	1,457	1,403
Unemployment rate	19.9	19.7	20.9	20.8	20.7	21.5	21.2	21.6	20.0	19.7	21.4	20.4	19.6
Men	20.9	21.2	22.5	22.5	22.2	23.0	22.6	22.8	21.2	21.1	22.9	21.7	20.2
Women	18.7	18.0	19.1	18.9	19.1	19.9	19.8	20.4	18.7	18.2	19.7	19.0	19.4
BLACK													
Civilian noninstitutional population ¹	18,542	18,570	18,600	18,626	18,659	18,692	18,723	18,740	18,788	18,796	18,823	18,851	18,880
Civilian labor force	11,318	11,267	11,341	11,400	11,443	11,398	11,475	11,522	11,542	11,548	11,554	11,631	11,672
Percent of population	61.0	60.7	61.0	61.2	61.3	61.0	61.3	61.5	61.4	61.4	61.4	61.7	61.8
Employed	9,209	9,171	9,211	9,220	9,172	9,102	9,159	9,127	9,142	9,276	9,253	9,209	9,270
Employment-population ratio ²	49.7	49.4	49.5	49.5	49.2	48.7	48.9	48.7	48.7	49.4	49.2	48.8	49.1
Unemployed	2,109	2,096	2,130	2,180	2,271	2,296	2,316	2,395	2,400	2,271	2,302	2,423	2,402
Unemployment rate	18.6	18.6	18.6	19.1	19.8	20.1	20.2	20.8	20.8	19.7	19.9	20.8	20.6
Men, 20 years and over													
Civilian labor force	5,347	5,366	5,377	5,366	5,398	5,390	5,488	5,483	5,459	5,441	5,439	5,540	5,512
Percent of population	74.6	74.8	74.8	74.5	74.7	74.4	75.6	75.6	75.1	74.7	74.5	75.7	75.1
Employed	4,434	4,435	4,444	4,419	4,360	4,331	4,437	4,358	4,385	4,423	4,416	4,415	4,418
Employment-population ratio ²	61.9	61.8	61.8	61.3	60.4	59.8	61.1	60.1	60.3	60.7	60.5	60.3	60.2
Unemployed	913	931	933	947	1,038	1,059	1,051	1,125	1,075	1,018	1,023	1,125	1,094
Unemployment rate	17.1	17.3	17.4	17.6	19.2	19.6	19.2	20.5	19.7	18.7	18.8	20.3	19.8
Women, 20 years and over													
Civilian labor force	5,137	5,145	5,159	5,163	5,187	5,169	5,157	5,207	5,295	5,353	5,350	5,265	5,348
Percent of population	56.3	56.3	56.3	56.5	58.4	56.1	55.9	56.5	57.3	57.8	57.7	56.8	57.4
Employed	4,353	4,367	4,359	4,386	4,371	4,332	4,305	4,349	4,329	4,441	4,404	4,372	4,431
Employment-population ratio ²	47.7	47.8	47.6	47.6	47.5	47.0	46.8	47.1	46.8	48.0	47.5	47.0	47.6
Unemployed	784	778	800	797	818	837	852	858	965	912	946	893	917
Unemployment rate	15.3	15.1	15.5	15.4	15.7	16.2	16.5	16.5	18.2	17.0	17.7	17.0	17.1

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-33. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	834	756	805	851	858	839	830	832	788	754	765	827	812
Percent of population	37.0	33.5	35.8	37.9	38.3	37.5	37.2	36.8	35.0	33.5	34.1	37.0	36.4
Employed	422	369	408	415	441	439	417	420	428	412	432	422	421
Employment-population ratio ²	18.7	16.4	18.1	18.5	19.7	19.6	18.7	18.6	19.0	18.3	19.3	18.9	18.9
Unemployed	412	387	397	436	417	400	413	412	360	342	333	405	391
Unemployment rate	49.4	51.2	49.3	51.2	48.6	47.7	49.8	49.5	45.7	45.4	43.5	49.0	48.2
Men	49.7	55.7	48.9	50.5	51.0	49.2	53.0	52.5	45.9	45.3	44.5	48.0	53.1
Women	49.1	46.0	49.7	52.1	45.9	45.9	46.2	46.2	45.5	45.4	42.3	50.0	42.3
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	9,297	9,428	9,521	9,689	9,464	9,474	9,355	9,301	9,328	9,368	9,551	9,665	9,747
Civilian labor force	6,004	5,965	5,972	6,045	5,961	5,973	5,923	5,898	5,981	5,992	6,074	6,206	6,167
Percent of population	64.8	63.3	62.7	62.4	63.0	63.0	63.3	63.4	64.1	64.0	63.6	64.2	63.3
Employed	5,182	5,155	5,136	5,162	5,097	5,075	5,012	4,998	5,053	5,042	5,088	5,304	5,318
Employment-population ratio ²	55.7	54.7	53.9	53.3	53.9	53.6	53.6	53.7	54.2	53.8	53.3	54.9	54.6
Unemployed	822	810	836	883	864	898	911	900	929	950	986	902	849
Unemployment rate	13.7	13.6	14.0	14.6	14.5	15.0	15.4	15.3	15.5	15.8	16.2	14.5	13.8

¹ The population figures are not adjusted for seasonal variation.

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

² Civilian employment as a percent of the civilian noninstitutional population.

A-34. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
CHARACTERISTIC													
Total	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557
Married men, spouse present	38,274	38,254	38,177	38,121	37,998	37,852	37,641	37,507	37,450	37,428	37,452	37,523	37,560
Married women, spouse present	24,112	24,331	24,173	24,235	24,159	24,081	23,985	24,155	24,205	24,070	24,171	24,371	24,229
Women who maintain families	4,991	5,120	5,200	5,208	5,118	5,107	5,025	4,985	5,038	5,050	5,097	4,944	4,942
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,530	1,457	1,523	1,548	1,537	1,576	1,584	1,547	1,637	1,624	1,515	1,560	1,595
Self-employed workers	1,679	1,681	1,655	1,620	1,589	1,621	1,628	1,627	1,587	1,541	1,585	1,607	1,558
Unpaid family workers	251	254	254	255	254	229	241	224	231	223	260	208	229
Nonagricultural industries:													
Wage and salary workers	88,872	88,548	88,491	88,576	88,582	88,064	87,936	87,976	87,813	87,794	87,912	88,187	88,395
Government	15,454	15,614	15,471	15,562	15,681	15,438	15,514	15,477	15,386	15,501	15,452	15,518	15,523
Private industries	73,418	72,934	73,020	73,014	72,881	72,626	72,422	72,499	72,427	72,293	72,459	72,668	72,872
Private households	1,204	1,205	1,200	1,227	1,220	1,216	1,221	1,183	1,162	1,232	1,235	1,205	1,228
Other industries	72,214	71,729	71,820	71,787	71,661	71,412	71,201	71,336	71,265	71,061	71,225	71,463	71,644
Self-employed workers	7,262	7,301	7,286	7,338	7,422	7,332	7,349	7,335	7,465	7,385	7,453	7,528	7,408
Unpaid family workers	392	398	393	408	378	403	382	383	380	353	342	353	335
PERSONS AT WORK¹													
Nonagricultural industries	91,082	90,917	90,414	90,486	90,884	90,232	90,238	90,219	90,903	90,207	90,271	92,267	90,841
Full-time schedules	72,869	72,545	72,288	72,045	71,723	71,394	71,442	71,499	71,786	71,564	71,878	73,594	72,975
Part time for economic reasons	5,731	5,561	5,577	5,820	6,495	6,403	6,411	6,425	6,845	6,461	6,202	6,082	5,928
Usually work full time	2,195	2,126	2,047	2,100	2,519	2,381	2,228	2,153	2,200	2,097	1,927	1,871	1,685
Usually work part time	3,536	3,435	3,530	3,720	3,976	4,022	4,183	4,272	4,645	4,384	4,275	4,211	4,243
Part time for noneconomic reasons	12,482	12,811	12,549	12,621	12,666	12,435	12,385	12,295	12,271	12,162	12,191	12,592	12,038

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-35. Employed civilians by sex and age, seasonally adjusted

(In thousands)

Sex and age	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 18 years and over	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093	99,103	99,063	99,103	99,458	99,557
16 to 24 years	20,531	20,257	20,073	20,123	20,065	19,919	19,934	19,903	19,887	19,863	19,732	19,729	19,623
16 to 19 years	6,740	6,484	6,372	6,483	6,481	6,415	6,424	6,344	6,413	6,345	6,237	6,197	6,172
16 to 17 years	2,617	2,432	2,364	2,422	2,432	2,415	2,426	2,364	2,438	2,362	2,307	2,279	2,272
18 to 19 years	4,136	4,027	4,016	4,043	4,065	3,988	3,984	3,982	3,982	3,992	3,952	3,929	3,913
20 to 24 years	13,791	13,773	13,701	13,640	13,584	13,504	13,510	13,559	13,474	13,518	13,494	13,532	13,451
25 years and over	79,403	79,479	79,596	79,646	79,488	79,251	79,182	79,165	79,240	79,165	79,386	79,679	79,848
25 to 54 years	65,027	65,101	65,216	65,365	64,982	64,949	64,858	64,890	65,005	64,902	65,184	65,582	65,807
55 years and over	14,416	14,373	14,367	14,302	14,561	14,289	14,315	14,272	14,233	14,179	14,138	14,067	14,094
Men, 16 years and over	56,724	56,249	56,127	56,159	56,072	55,932	55,892	55,809	55,752	55,706	55,772	55,946	56,128
16 to 24 years	10,798	10,521	10,434	10,498	10,401	10,408	10,388	10,357	10,368	10,327	10,229	10,270	10,283
16 to 19 years	3,534	3,306	3,222	3,327	3,296	3,283	3,303	3,275	3,301	3,279	3,183	3,194	3,228
16 to 17 years	1,409	1,264	1,191	1,252	1,229	1,229	1,258	1,233	1,295	1,260	1,212	1,158	1,188
18 to 19 years	2,139	2,020	2,040	2,064	2,085	2,052	2,027	2,038	2,009	2,037	1,990	2,045	2,051
20 to 24 years	7,264	7,215	7,212	7,171	7,105	7,125	7,085	7,082	7,067	7,048	7,046	7,076	7,056
25 years and over	45,879	45,792	45,722	45,885	45,672	45,522	45,496	45,430	45,393	45,372	45,552	45,654	45,770
25 to 54 years	37,302	37,200	37,152	37,205	37,044	37,019	36,988	36,947	36,968	36,913	37,135	37,278	37,477
55 years and over	8,612	8,615	8,565	8,473	8,644	8,485	8,508	8,471	8,446	8,415	8,400	8,378	8,345
Women, 18 years and over	43,270	43,432	43,461	43,524	43,471	43,244	43,244	43,284	43,350	43,357	43,331	43,512	43,428
16 to 24 years	9,733	9,736	9,639	9,625	9,664	9,511	9,546	9,546	9,519	9,536	9,503	9,459	9,340
16 to 19 years	3,206	3,178	3,150	3,156	3,185	3,132	3,121	3,069	3,112	3,066	3,054	3,004	2,944
16 to 17 years	1,208	1,168	1,173	1,170	1,203	1,186	1,168	1,131	1,143	1,102	1,095	1,121	1,084
18 to 19 years	1,997	2,007	1,976	1,979	1,960	1,936	1,957	1,944	1,973	1,955	1,962	1,884	1,862
20 to 24 years	6,527	6,558	6,489	6,469	6,479	6,379	6,425	6,477	6,407	6,470	6,448	6,455	6,395
25 years and over	33,524	33,687	33,874	33,961	33,796	33,729	33,686	33,735	33,847	33,792	33,834	34,025	34,078
25 to 54 years	27,725	27,901	28,064	28,160	27,938	27,930	27,870	27,943	28,037	27,989	28,049	28,304	28,330
55 years and over	5,804	5,788	5,802	5,829	5,917	5,804	5,807	5,801	5,787	5,764	5,738	5,689	5,749

A-36. Unemployed persons by sex and age, seasonally adjusted

(In thousands)

Sex and age	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	10,384	10,466	10,828	10,931	11,315	11,578	11,906	12,036	11,446	11,490	11,381	11,328	11,192
16 to 24 years	4,328	4,226	4,370	4,484	4,490	4,577	4,685	4,642	4,462	4,444	4,375	4,353	4,332
16 to 19 years	1,998	1,865	2,006	2,028	2,027	2,038	2,052	2,056	1,886	1,815	1,911	1,897	1,843
16 to 17 years	876	752	824	840	878	851	866	893	774	721	774	812	805
18 to 19 years	1,128	1,135	1,175	1,173	1,145	1,184	1,174	1,169	1,104	1,091	1,162	1,095	1,047
20 to 24 years	2,330	2,343	2,364	2,456	2,463	2,539	2,633	2,586	2,576	2,829	2,464	2,456	2,489
25 years and over	6,076	6,264	6,436	6,413	6,824	6,997	7,194	7,402	7,000	7,054	7,029	6,954	6,689
25 to 54 years	5,380	5,482	5,648	5,673	6,090	6,176	6,330	6,512	6,208	6,194	6,206	6,079	6,134
55 years and over	735	778	799	781	800	837	862	880	812	802	803	832	795
Men, 16 years and over	5,921	6,076	6,234	6,345	6,703	6,844	7,006	7,046	6,633	6,762	6,657	6,731	6,620
16 to 24 years	2,466	2,426	2,474	2,544	2,608	2,633	2,697	2,670	2,548	2,544	2,479	2,478	2,523
16 to 19 years	1,103	1,060	1,084	1,113	1,125	1,130	1,141	1,137	1,036	1,013	1,078	1,029	1,015
16 to 17 years	502	431	457	473	502	498	493	503	419	389	425	429	449
18 to 19 years	609	627	622	631	622	628	642	642	617	622	658	604	577
20 to 24 years	1,365	1,366	1,390	1,431	1,483	1,503	1,556	1,533	1,512	1,531	1,403	1,449	1,508
25 years and over	3,452	3,662	3,731	3,802	4,098	4,213	4,292	4,368	4,078	4,230	4,199	4,237	4,102
25 to 54 years	3,039	3,207	3,293	3,334	3,657	3,696	3,750	3,819	3,541	3,678	3,652	3,646	3,599
55 years and over	429	447	442	490	500	545	560	570	519	507	520	562	515
Women, 16 years and over	4,463	4,390	4,594	4,586	4,612	4,732	4,900	4,990	4,813	4,727	4,724	4,597	4,572
16 to 24 years	1,860	1,802	1,898	1,940	1,882	1,944	1,988	1,972	1,914	1,900	1,896	1,874	1,809
16 to 19 years	895	825	922	915	902	908	911	919	850	802	835	868	828
16 to 17 years	374	321	367	367	376	353	373	390	355	332	349	383	358
18 to 19 years	519	508	553	542	523	556	532	527	487	469	506	491	470
20 to 24 years	965	977	974	1,025	980	1,036	1,077	1,053	1,064	1,098	1,061	1,006	981
25 years and over	2,624	2,602	2,705	2,611	2,728	2,784	2,902	3,014	2,922	2,824	2,830	2,717	2,787
25 to 54 years	2,341	2,255	2,355	2,339	2,433	2,480	2,580	2,693	2,667	2,516	2,554	2,434	2,536
55 years and over	306	331	357	291	300	292	302	310	293	294	283	270	280

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-37. Unemployment rates by sex and age, seasonally adjusted

(Civilian workers)

Sex and age	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1
16 to 24 years	17.4	17.3	17.9	18.2	18.3	18.7	19.0	18.9	18.3	18.3	18.1	18.1	18.1
16 to 19 years	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0
18 to 17 years	25.1	23.6	25.8	25.8	26.5	26.1	26.3	27.4	24.1	23.4	25.1	26.3	26.2
18 to 19 years	21.4	22.0	22.8	22.5	22.0	22.9	22.8	22.7	21.7	21.5	22.7	21.8	21.1
20 to 24 years	14.5	14.5	14.7	15.3	15.3	15.8	16.3	16.0	18.1	18.3	15.4	15.4	15.6
25 years and over	7.1	7.3	7.5	7.5	7.9	8.1	8.3	8.8	8.1	8.2	8.1	8.0	7.9
25 to 54 years	7.6	7.7	8.0	8.0	8.8	8.7	8.9	9.1	8.7	8.7	8.7	8.5	8.5
55 years and over	4.9	5.1	5.3	5.2	5.2	5.5	5.7	5.8	5.4	5.4	5.4	5.6	5.3
Men, 16 years and over	9.5	9.7	10.0	10.2	10.7	10.9	11.1	11.2	10.6	10.8	10.7	10.7	10.8
16 to 24 years	18.8	18.7	19.2	19.5	20.0	20.2	20.8	20.5	19.7	19.8	19.5	19.4	19.7
16 to 19 years	23.8	24.3	25.2	25.1	25.4	25.6	25.7	25.8	23.9	23.6	25.3	24.4	23.9
18 to 17 years	26.3	25.4	27.7	27.4	29.0	28.8	28.2	29.0	24.4	23.6	26.0	27.0	27.4
18 to 19 years	22.2	23.7	23.4	23.4	23.0	23.4	24.1	24.0	23.5	23.4	24.8	22.8	22.0
20 to 24 years	15.8	15.9	18.2	16.6	17.3	17.4	18.0	17.8	17.6	17.8	18.6	17.0	17.6
25 years and over	7.0	7.4	7.5	7.7	8.2	8.5	8.8	8.8	8.2	8.5	8.4	8.5	8.2
25 to 54 years	7.5	7.9	8.1	8.2	9.0	9.1	9.2	9.4	8.7	9.1	9.0	8.9	8.8
55 years and over	4.7	4.9	4.9	5.5	5.5	8.0	6.2	8.3	5.8	5.7	5.8	8.3	5.8
Women, 18 years and over	9.3	9.2	9.8	9.5	9.6	9.9	10.2	10.3	10.0	9.8	9.8	9.6	9.5
16 to 24 years	16.0	15.8	16.4	16.8	16.3	17.0	17.2	17.1	16.7	16.6	16.6	16.5	16.2
16 to 19 years	21.8	20.8	22.6	22.5	22.1	22.5	22.8	23.0	21.5	20.7	21.5	22.4	21.9
18 to 17 years	23.8	21.8	23.8	23.9	23.8	22.9	24.2	25.6	23.7	23.2	24.2	25.5	24.7
18 to 19 years	20.6	20.2	21.9	21.5	20.9	22.3	21.4	21.3	19.8	19.3	20.5	20.7	20.2
20 to 24 years	12.9	13.0	13.1	13.7	13.1	14.0	14.4	14.0	14.2	14.5	14.1	13.5	13.3
25 years and over	7.3	7.2	7.4	7.1	7.5	7.6	7.9	8.2	7.9	7.7	7.7	7.4	7.6
25 to 54 years	7.8	7.5	7.7	7.7	8.0	8.2	8.5	8.8	8.7	8.2	8.3	7.9	8.2
55 years and over	5.0	5.4	5.8	4.8	4.8	4.8	4.9	5.1	4.8	4.9	4.7	4.5	4.6

A-38. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
CHARACTERISTIC													
Total (all civilian workers)	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	10.4	10.4	10.3	10.2	10.1
Men, 20 years and over	8.3	8.7	8.9	9.0	9.6	9.8	10.0	10.1	9.8	9.9	9.6	9.8	9.8
Women, 20 years and over	8.2	8.1	8.3	8.3	8.4	8.7	9.0	9.2	9.0	8.9	8.8	8.4	8.5
Both sexes, 18 to 19 years	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	22.7	22.2	23.5	23.4	23.0
White	8.4	8.4	8.7	8.7	9.1	9.3	9.8	9.7	9.1	9.2	9.0	8.9	8.9
Black and other	17.1	17.1	17.4	17.7	18.1	18.4	18.5	18.8	19.0	18.0	18.5	18.8	18.8
Black	18.8	18.6	18.8	19.1	19.8	20.1	20.2	20.8	20.8	19.7	19.9	20.8	20.8
Hispanic origin	13.7	13.6	14.0	14.8	14.5	15.0	15.4	15.3	15.5	15.8	16.2	14.5	13.8
Married men, spouse present	6.1	6.4	6.6	6.8	7.2	7.5	7.8	7.8	7.1	7.2	7.1	7.1	7.0
Married women, spouse present	7.3	7.1	7.4	7.3	7.6	7.9	8.2	8.2	7.8	7.8	7.5	7.3	7.5
Women who maintain families	11.9	12.1	12.0	11.7	12.4	11.3	12.5	13.2	13.2	13.0	13.5	13.2	12.9
Full-time workers	9.2	9.4	9.6	9.7	10.2	10.5	10.6	10.8	10.3	10.4	10.3	10.2	9.9
Part-time workers	10.5	10.0	11.2	10.4	10.8	10.3	11.3	11.1	10.6	10.1	10.5	10.6	11.0
Unemployed 15 weeks and over ¹	3.0	3.2	3.2	3.3	3.5	3.8	4.1	4.3	4.2	4.2	4.2	3.9	4.1
Labor force time lost ²	10.7	10.4	10.7	10.9	11.7	12.0	12.4	12.7	11.7	12.0	11.8	11.4	11.5
INDUSTRY													
Nonagricultural private wage and salary workers	9.8	10.0	10.2	10.2	10.7	11.0	11.4	11.6	10.8	10.8	10.8	10.5	10.5
Mining	12.1	14.0	15.8	18.0	18.5	17.9	18.1	18.1	17.1	18.4	18.8	20.3	22.7
Construction	18.9	19.5	20.3	20.4	22.0	22.3	21.8	22.0	20.0	19.7	20.3	20.3	20.4
Manufacturing	11.5	12.2	12.1	12.4	13.6	14.1	14.8	14.8	13.0	13.3	12.8	12.4	12.3
Durable goods	12.2	13.1	12.8	13.3	14.9	16.0	17.0	17.1	14.7	14.7	14.1	13.5	13.5
Nondurable goods	10.4	11.1	11.0	11.0	11.8	11.2	11.4	11.4	10.5	11.4	11.1	10.8	10.5
Transportation and public utilities	6.4	6.8	6.8	7.1	7.3	7.9	8.3	8.0	7.8	8.0	7.8	7.7	7.0
Wholesale and retail trade	10.2	9.7	10.3	10.0	10.0	10.4	10.8	11.0	10.8	10.9	11.2	10.4	10.1
Finance and service industries	6.8	6.9	7.0	7.0	7.0	7.1	7.7	7.9	7.6	7.3	7.2	7.3	7.5
Agricultural wage and salary workers	18.1	15.0	14.1	14.2	13.5	13.3	15.6	16.5	16.0	18.4	16.3	17.2	17.0

¹ Unemployment as a percent of the civilian labor force.

² Aggregate hours lost by the unemployed and persons on part time

for economic reasons as a percent of potentially available labor force hours.

A-39. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
DURATION													
Less than 5 weeks	3,871	3,605	3,959	3,933	4,004	3,930	3,963	4,019	3,536	3,731	3,440	3,547	3,519
5 to 14 weeks	3,281	3,398	3,249	3,346	3,549	3,511	3,549	3,460	3,328	3,106	3,140	3,154	2,979
15 weeks and over	3,267	3,517	3,569	3,637	3,856	4,167	4,524	4,732	4,634	4,618	4,615	4,356	4,517
15 to 26 weeks	1,633	1,683	1,780	1,808	1,830	1,951	2,191	2,125	1,928	1,928	1,675	1,662	1,731
27 weeks and over	1,634	1,834	1,789	1,829	2,026	2,216	2,333	2,607	2,706	2,689	2,740	2,694	2,786
Average (mean) duration, in weeks	14.9	16.3	15.6	16.1	16.6	17.1	17.3	18.0	19.4	19.0	19.1	19.0	20.4
Median duration, in weeks	6.6	9.6	6.3	6.3	9.4	9.6	10.0	10.1	11.5	9.6	10.3	11.3	12.3
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	37.2	34.3	36.7	36.0	35.1	33.9	32.9	32.9	30.8	32.6	30.7	32.1	31.9
5 to 14 weeks	31.5	32.3	30.1	30.7	31.1	30.2	29.5	28.3	28.9	27.1	26.1	26.5	27.0
15 weeks and over	31.4	33.4	33.1	33.3	33.8	35.9	37.6	38.8	40.3	40.3	41.2	39.4	41.0
15 to 26 weeks	15.7	16.0	16.5	16.6	16.0	16.8	18.2	17.4	16.8	16.8	16.7	15.0	15.7
27 weeks and over	15.7	17.4	16.6	16.8	17.8	19.1	19.4	21.3	23.5	23.5	24.5	24.4	25.3

A-40. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
NUMBER OF UNEMPLOYED													
Job losers	5,936	6,181	6,323	6,446	6,979	7,325	7,369	7,295	6,704	6,809	6,823	6,750	6,766
On layoff	1,956	2,097	2,126	2,218	2,625	2,519	2,531	2,486	2,131	2,024	1,945	1,948	1,943
Other job losers	3,982	4,084	4,197	4,228	4,354	4,806	4,838	4,827	4,573	4,784	4,878	4,803	4,823
Job leavers	864	826	819	814	786	803	794	826	839	848	901	815	801
Reentrants	2,393	2,376	2,478	2,440	2,437	2,322	2,546	2,629	2,623	2,491	2,426	2,488	2,365
New entrants	1,159	1,091	1,230	1,304	1,303	1,296	1,244	1,288	1,174	1,161	1,155	1,245	1,251
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	57.3	59.0	58.3	58.6	60.7	62.4	61.6	60.6	59.1	60.2	60.4	59.7	60.5
On layoff	18.9	20.0	19.6	20.2	22.6	21.4	21.2	20.5	18.8	17.9	17.2	17.2	17.4
Other job losers	38.5	39.0	38.7	38.4	37.6	40.9	40.5	40.1	40.3	42.3	43.1	42.5	43.1
Job leavers	6.3	7.9	7.5	7.4	6.8	6.6	6.6	6.9	7.4	7.5	8.0	7.2	7.2
Reentrants	23.1	22.7	22.8	22.2	21.2	19.8	21.3	21.8	23.1	22.0	21.5	22.0	21.1
New entrants	11.2	10.4	11.3	11.9	11.3	11.0	10.4	10.7	10.4	10.3	10.2	11.0	11.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	5.4	5.6	5.7	5.6	6.3	6.6	6.6	6.6	6.1	6.2	6.2	6.1	6.1
Job leavers .....	.8	.7	.7	.7	.7	.7	.7	.7	.8	.8	.8	.7	.7
Reentrants	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.4	2.4	2.3	2.2	2.2	2.1
New entrants	1.1	1.0	1.1	1.2	1.2	1.2	1.1	1.2	1.1	1.1	1.0	1.1	1.1

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
-	TOTAL	89,938	90,407	88,172	89,005	89,873	-	-	-	-	-
-	PRIVATE SECTOR	73,764	74,228	72,121	72,971	73,806	59,521	59,989	57,989	58,780	59,588
-	MINING	1,197	1,179	996	991	1,006	881	863	699	696	711
10	METAL MINING	87.6	79.7	60.8	61.2	-	65.2	58.6	44.2	44.5	-
101	Iron ores	18.3	17.2	8.5	8.4	-	13.5	13.0	5.6	5.5	-
102	Copper ores	29.8	24.4	19.7	19.9	-	22.5	17.6	14.4	14.5	-
11, 12	COAL MINING	254.9	251.1	204.5	202.6	-	210.4	206.7	163.8	162.1	-
12	BITUMINOUS COAL AND LIGNITE MINING	251.5	247.6	201.8	199.9	-	207.3	203.6	161.4	159.8	-
13	OIL AND GAS EXTRACTION	744.0	734.3	628.8	619.2	-	521.7	511.1	415.5	407.8	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	273.1	276.0	279.6	278.2	-	123.4	126.0	129.4	129.3	-
138	Oil and gas field services	470.9	458.3	349.2	341.0	-	398.3	385.1	286.1	278.5	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	110.4	113.6	101.6	108.3	-	83.6	86.8	75.9	81.9	-
142	Crushed and broken stone	35.1	37.3	33.9	37.3	-	27.9	30.1	26.0	29.2	-
144	Sand and gravel	31.7	32.6	29.2	31.9	-	-	-	-	-	-
147	Chemical and fertilizer minerals	24.3	24.1	20.5	20.3	-	-	-	-	-	-
-	CONSTRUCTION	3,800	3,998	3,453	3,649	3,893	2,894	3,088	2,566	2,752	2,984
15	GENERAL BUILDING CONTRACTORS	965.5	1,007.6	891.4	926.2	-	711.3	751.9	636.4	668.1	-
152	Residential building construction	422.3	451.4	406.6	428.5	-	295.7	323.0	277.6	297.4	-
153	Operative builders	48.4	48.6	48.5	52.2	-	24.5	24.7	24.9	28.1	-
154	Nonresidential building construction	494.8	507.6	436.3	445.5	-	391.1	404.2	333.9	342.6	-
16	HEAVY CONSTRUCTION CONTRACTORS	805.4	859.0	702.1	757.3	-	632.2	686.2	537.8	592.6	-
161	Highway and street construction	196.5	234.0	157.8	191.5	-	159.4	196.0	122.3	154.8	-
162	Heavy construction, except highway	608.9	625.0	544.3	565.8	-	472.8	490.2	415.5	437.8	-
17	SPECIAL TRADE CONTRACTORS	2,029.1	2,131.3	1,859.9	1,965.6	-	1,550.3	1,649.4	1,391.3	1,490.8	-
171	Plumbing, heating, air conditioning	489.2	496.6	464.3	468.0	-	353.6	360.4	329.5	333.1	-
172	Painting, paper hanging, decorating	117.2	127.7	103.9	112.3	-	94.3	105.7	82.6	90.5	-
173	Electrical work	398.9	405.7	376.4	376.0	-	303.7	309.5	280.1	280.2	-
174	Masonry, stonework, and plastering	293.6	310.0	274.7	292.3	-	246.3	261.8	227.7	243.2	-
175	Carpentering and flooring	98.5	104.5	100.0	105.2	-	70.6	77.1	73.4	78.1	-
176	Roofing and sheet metal work	148.1	153.8	129.8	143.4	-	116.5	121.6	98.6	111.5	-
-	MANUFACTURING	19,080	19,049	18,166	18,295	18,455	12,979	12,968	12,241	12,370	12,544
24, 25, 32-39	DURABLE GOODS	11,348	11,305	10,590	10,689	10,806	7,562	7,539	6,944	7,039	7,163
20-23, 26-31	NONDURABLE GOODS	7,732	7,744	7,576	7,606	7,649	5,417	5,429	5,297	5,331	5,381
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	593.1	604.6	620.5	640.0	664.2	484.0	494.4	511.8	529.3	552.5
241	Logging camps and logging contractors	489.2	73.3	72.4	74.6	-	51.1	55.1	55.3	57.2	-
242	Sawmills and planing mills	178.1	180.4	186.2	190.5	-	156.1	158.4	163.8	167.9	-
2421	Sawmills and planing mills, general	149.0	151.2	155.7	159.7	-	131.2	133.2	137.3	141.2	-
2426	Hardwood dimension and flooring	25.3	25.5	26.6	26.8	-	21.5	21.9	23.0	23.2	-
243	Millwork, plywood, and structural members	171.9	175.4	188.5	193.8	-	138.5	141.5	154.2	159.2	-
2431	Millwork	61.6	64.1	72.6	75.2	-	47.8	49.9	57.8	60.3	-
2434	Wood kitchen cabinets	41.7	42.6	42.2	43.8	-	32.6	33.4	33.0	34.4	-
2435	Hardwood veneer and plywood	22.5	22.5	21.9	21.8	-	19.6	19.6	19.0	19.0	-
2436	Softwood veneer and plywood	33.9	33.3	37.5	38.1	-	29.6	29.0	33.4	34.0	-
244	Wood containers	38.9	38.9	37.5	38.7	-	32.9	32.9	31.3	32.4	-
245	Wood buildings and mobile homes	61.5	63.3	63.7	68.8	-	44.2	45.9	47.5	51.7	-
2451	Mobile homes	45.2	46.3	46.1	49.9	-	34.5	35.5	36.0	39.1	-
249	Miscellaneous wood products	73.7	73.3	72.2	73.6	-	61.2	60.6	59.7	60.9	-
25	FURNITURE AND FIXTURES	435.1	431.3	431.3	439.6	441.7	344.0	340.8	340.4	347.4	350.0
251	Household furniture	272.8	269.6	271.0	276.0	-	224.6	222.1	223.1	227.9	-
2511	Wood household furniture	122.5	121.2	120.2	122.5	-	105.2	104.0	103.2	105.4	-
2512	Upholstered household furniture	82.8	83.3	85.2	87.1	-	66.1	66.7	68.1	70.0	-
2514	Metal household furniture	27.8	26.1	29.4	29.4	-	22.3	20.9	24.0	24.0	-
2515	Mattresses and bedspreads	28.0	28.0	27.8	28.3	-	20.9	20.9	20.9	21.3	-
252	Office furniture	54.0	53.9	53.5	53.8	-	41.7	41.5	40.7	40.9	-
253	Public building and related furniture	21.9	21.3	20.5	20.6	-	16.3	15.8	15.0	15.0	-
254	Partitions and fixtures	57.6	57.4	54.9	57.3	-	41.9	41.8	40.3	42.0	-
259	Miscellaneous furniture and fixtures	28.8	29.1	31.4	31.9	-	19.5	19.6	21.3	21.6	-

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	580.4	588.5	541.9	559.9	574.3	438.0	445.9	408.2	424.2	438.7
321	Flat glass	16.3	16.4	16.9	16.8	-	12.5	12.5	13.3	13.2	-
322	Glass and glassware, pressed or blown	111.2	110.8	102.6	102.7	-	92.7	92.4	85.7	85.9	-
3221	Glass containers	61.9	62.5	57.4	56.8	-	54.2	54.8	50.3	49.6	-
3229	Pressed and blown glass, nec	49.3	48.3	45.2	45.9	-	38.5	37.6	35.4	36.3	-
323	Products of purchased glass	41.2	41.6	41.0	41.7	-	27.7	27.6	27.4	27.9	-
324	Cement, hydraulic	27.4	27.7	24.6	25.5	-	21.6	21.9	19.1	19.9	-
325	Structural clay products	33.8	34.4	33.2	34.7	-	24.7	25.2	24.6	26.2	-
326	Pottery and related products	39.6	39.4	36.5	38.1	-	32.0	32.0	28.8	30.0	-
327	Concrete, gypsum, and plaster products	177.6	185.6	166.7	178.5	-	133.2	141.0	124.0	134.8	-
3271	Concrete block and brick	16.7	17.7	16.8	17.6	-	11.0	12.0	11.1	11.8	-
3272	Concrete products, nec	60.3	61.2	54.7	57.2	-	44.0	45.2	39.5	41.7	-
3273	Ready-mixed concrete	82.9	89.1	77.9	86.2	-	64.0	69.7	59.7	67.4	-
329	Misc. nonmetallic mineral products	122.6	121.7	110.3	111.6	-	85.4	84.7	77.3	78.3	-
3291	Abrasive products	24.4	24.1	21.3	21.4	-	15.5	15.4	13.6	13.7	-
3292	Asbestos products	13.5	13.4	12.6	12.9	-	10.0	9.9	9.2	9.5	-
3296	Mineral wool	27.0	27.0	25.4	25.4	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	981.5	952.5	820.8	829.6	841.7	732.0	708.2	606.8	614.9	627.6
331	Blast furnace and basic steel products	428.8	413.3	332.6	337.2	-	319.6	307.4	247.8	251.3	-
3312	Blast furnaces and steel mills	354.3	340.1	273.6	277.6	-	264.6	253.3	205.1	208.3	-
3317	Steel pipe and tubes	29.8	29.6	21.9	22.2	-	22.3	22.1	15.4	15.6	-
332	Iron and steel foundries	172.0	161.9	137.5	139.1	-	133.2	124.6	103.8	105.7	-
3321	Gray iron foundries	103.8	97.2	88.2	89.7	-	82.7	76.9	69.1	70.8	-
3322	Malleable iron foundries	12.9	12.0	10.6	10.3	-	9.6	8.8	7.7	7.4	-
3325	Steel foundries, nec	43.4	41.1	29.0	29.5	-	33.0	31.1	20.5	21.0	-
333	Primary nonferrous metals	58.9	56.7	48.2	48.6	-	42.8	41.1	34.5	34.8	-
3334	Primary aluminum	30.5	30.0	24.5	24.8	-	22.6	22.4	18.0	18.4	-
335	Nonferrous rolling and drawing	193.1	193.4	181.6	182.3	-	136.9	137.1	127.5	128.5	-
3351	Copper rolling and drawing	27.5	27.0	26.0	26.0	-	20.4	20.0	18.7	18.8	-
3353	Aluminum sheet, plate, and foil	31.0	31.2	29.6	30.0	-	23.6	23.9	23.0	23.3	-
3357	Nonferrous wire drawing and insulating	82.1	82.4	76.3	76.1	-	58.1	58.2	53.6	53.5	-
336	Nonferrous foundries	82.9	82.2	80.6	82.0	-	65.7	64.9	64.0	65.3	-
3361	Aluminum foundries	48.7	48.4	47.8	48.8	-	39.4	39.0	39.0	40.0	-
34	FABRICATED METAL PRODUCTS	1,468.8	1,456.9	1,359.7	1,367.3	1,378.5	1,061.7	1,051.5	979.4	987.1	997.6
341	Metal cans and shipping containers	64.9	65.3	62.7	62.6	-	54.7	54.9	53.1	52.9	-
3411	Metal cans	52.7	53.0	50.7	50.6	-	45.2	45.4	43.8	43.6	-
342	Cutlery, hand tools, and hardware	145.5	142.3	136.0	136.7	-	107.4	104.7	99.3	100.2	-
3423.5	Hand and edge tools, and hand saws and blades	51.2	48.4	44.7	44.1	-	38.6	35.2	32.5	32.1	-
3429	Hardware, nec	81.3	80.8	78.9	80.0	-	59.7	59.5	58.4	59.5	-
343	Plumbing and heating, except electric	60.8	60.0	60.1	61.3	-	41.8	41.1	42.2	43.4	-
3432	Plumbing fittings and brass goods	23.4	23.1	23.1	23.3	-	18.4	18.1	18.0	18.0	-
3433	Heating equipment, except electric	28.3	27.4	27.6	28.4	-	17.8	17.0	17.7	18.6	-
344	Fabricated structural metal products	462.6	460.2	417.8	419.3	-	308.7	307.0	277.0	278.8	-
3441	Fabricated structural metal	92.6	91.2	77.5	76.5	-	65.0	63.8	53.1	52.4	-
3442	Metal doors, sash, and trim	70.2	72.1	75.5	77.1	-	49.8	51.6	54.0	55.5	-
3443	Fabricated plate work (boiler shops)	136.2	134.0	112.6	111.1	-	79.9	78.8	65.1	64.3	-
3444	Sheet metal work	102.1	101.3	96.2	97.3	-	73.2	72.5	68.1	68.8	-
3446	Architectural metal work	28.1	27.8	27.3	27.5	-	19.3	18.8	18.7	18.8	-
345	Screw machine products, bolts, etc.	94.5	92.9	84.1	85.3	-	71.1	69.5	62.3	63.2	-
3451	Screw machine products	44.0	43.6	39.1	39.9	-	34.7	34.3	30.4	31.0	-
3452	Bolts, nuts, rivets, and washers	50.5	49.3	45.0	45.4	-	36.4	35.2	31.9	32.2	-
346	Metal forgings and stampings	239.1	238.3	225.6	226.3	-	187.8	187.5	177.4	178.1	-
3462	Iron and steel forgings	41.9	40.0	32.4	32.7	-	31.8	30.4	23.8	24.1	-
3465	Automotive stampings	84.2	87.2	85.5	85.8	-	70.7	73.7	72.5	72.5	-
3469	Metal stampings, nec	101.5	99.6	97.0	97.9	-	76.5	74.7	73.2	74.0	-
347	Metal services, nec	97.8	96.9	90.9	92.2	-	77.6	76.7	71.7	73.0	-
3471	Plating and polishing	67.1	66.8	64.5	65.3	-	54.3	54.0	52.1	52.9	-
3479	Metal coating and allied services	30.7	30.1	26.4	26.9	-	23.3	22.7	19.6	20.1	-
348	Ordinance and accessories, nec	64.6	65.0	65.0	65.4	-	41.8	41.7	42.2	42.6	-
3483	Ammunition, exc. for small arms, nec	26.8	27.0	28.2	28.7	-	17.8	17.7	18.7	19.3	-
349	Misc. fabricated metal products	239.0	236.0	217.5	218.2	-	171.5	168.4	154.2	154.9	-
3494	Valves and pipe fittings	98.0	95.9	84.2	84.2	-	65.5	63.5	54.5	54.7	-
3496	Misc. fabricated wire products	50.8	50.5	49.3	49.8	-	38.5	38.0	36.8	37.3	-
35	MACHINERY, EXCEPT ELECTRICAL	2,379.8	2,354.9	2,044.3	2,043.7	2,065.8	1,463.0	1,445.2	1,184.1	1,185.0	1,209.1
351	Engines and turbines	119.4	117.6	100.0	98.9	-	73.6	72.7	58.3	57.1	-
3511	Turbines and turbine generator sets	43.3	42.8	39.1	38.6	-	23.1	22.8	21.0	20.6	-
3519	Internal combustion engines, nec	76.1	74.8	60.9	60.3	-	50.5	49.9	37.3	36.5	-
352	Farm and garden machinery	149.4	150.2	130.1	130.2	-	98.1	99.7	83.3	84.2	-
3523	Farm machinery and equipment	129.8	131.4	110.5	112.0	-	83.5	86.0	69.2	71.2	-
353	Construction and related machinery	380.9	372.8	253.6	253.1	-	243.2	237.4	135.1	133.9	-
3531	Construction machinery	121.1	120.5	73.6	74.8	-	74.9	74.8	29.9	29.6	-

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery	35.5	34.5	23.4	23.3	-	21.8	21.0	13.1	13.2	-
3533	Oil field machinery	135.2	130.1	82.6	80.5	-	94.1	90.3	50.8	49.5	-
3535	Conveyers and conveying equipment	32.0	32.0	27.0	27.0	-	17.1	17.1	13.7	13.6	-
3537	Industrial trucks and tractors	30.5	29.6	25.1	25.5	-	19.1	18.4	14.3	14.7	-
354	Metalworking machinery	330.9	324.3	275.4	275.4	-	232.1	227.0	189.4	189.1	-
3541	Machine tools, metal cutting types	70.1	67.5	49.4	48.9	-	43.2	41.2	28.0	27.4	-
3542	Machine tools, metal forming types	22.6	21.8	16.3	16.3	-	13.7	13.2	9.3	9.3	-
3544	Special dies, tools, jigs, and fixtures	128.1	127.4	118.4	118.6	-	99.9	99.4	91.2	91.3	-
3545	Machine tool accessories	62.8	61.3	50.6	51.1	-	42.5	41.3	33.5	33.9	-
3546	Power driven hand tools	25.8	25.2	22.8	23.0	-	19.0	18.4	16.4	16.5	-
355	Special industry machinery	181.6	180.5	159.0	158.3	-	111.2	110.7	92.6	91.8	-
3551	Food products machinery	40.3	40.5	36.2	36.0	-	25.6	25.8	22.4	22.3	-
3552	Textile machinery	22.5	22.1	19.7	19.7	-	14.9	14.6	13.0	12.9	-
3555	Printing trades machinery	35.9	35.8	33.9	33.9	-	21.6	21.6	19.3	19.2	-
356	General industrial machinery	305.8	300.8	251.7	250.3	-	193.8	189.7	154.0	152.9	-
3561	Pumps and pumping equipment	60.4	58.7	50.2	49.7	-	35.1	33.9	27.8	27.6	-
3562	Ball and roller bearings	52.7	51.9	43.0	43.8	-	39.4	38.4	31.9	32.6	-
3563	Air and gas compressors	30.5	29.9	24.4	23.8	-	17.1	16.5	12.4	11.8	-
3564	Blowers and fans	39.3	39.6	34.4	34.5	-	24.3	24.6	21.0	20.8	-
3566	Speed changers, drives, and gears	24.7	23.9	18.7	18.6	-	16.4	15.8	11.4	11.5	-
3568	Power transmission equipment, nec	22.4	21.8	16.4	16.2	-	15.5	14.9	10.7	10.6	-
357	Office and computing machines	471.5	473.0	477.1	478.0	-	189.8	190.8	187.8	189.9	-
3573	Electronic computing equipment	401.1	402.8	411.8	412.5	-	153.8	154.8	155.2	157.0	-
358	Refrigeration and service machinery	164.0	162.3	154.8	156.3	-	112.2	111.0	104.1	105.7	-
3585	Refrigeration and heating equipment	112.2	110.8	106.4	107.7	-	77.5	76.6	72.8	74.1	-
359	Misc. machinery, except electrical	276.3	273.4	242.6	243.2	-	209.0	206.2	179.5	180.4	-
3592	Carburetors, pistons, rings, valves	35.1	35.9	32.1	32.7	-	27.4	28.1	25.5	26.0	-
3599	Machinery, except electrical, nec	241.2	237.5	210.5	210.5	-	181.6	178.1	154.0	154.4	-
ELECTRIC AND ELECTRONIC EQUIPMENT		2,032.8	2,030.4	1,980.0	1,995.6	2,005.2	1,237.6	1,234.4	1,189.7	1,206.3	1,219.9
36	Electric distributing equipment	116.8	114.7	106.8	108.6	-	82.7	80.5	75.6	77.7	-
3612	Transformers	51.7	51.0	46.1	47.5	-	37.3	36.3	32.0	33.6	-
3613	Switchgear and switchboard apparatus	65.1	63.7	60.7	61.1	-	45.4	44.2	43.6	44.1	-
362	Electrical industrial apparatus	211.6	211.9	188.5	189.7	-	147.3	148.4	129.0	130.6	-
3621	Motors and generators	104.4	103.9	94.2	95.1	-	78.8	78.7	71.5	72.5	-
3622	Industrial controls	65.7	65.7	58.0	58.3	-	40.1	40.2	34.0	34.4	-
363	Household appliances	144.1	144.3	139.2	142.2	-	110.9	110.8	107.5	110.3	-
3632	Household refrigerators and freezers	27.3	27.8	21.6	23.4	-	21.6	22.0	16.7	18.6	-
3633	Household laundry equipment	19.6	19.8	22.9	23.2	-	14.7	15.0	17.8	16.1	-
3634	Electric housewares and fans	42.7	43.2	42.3	41.6	-	33.1	33.3	32.1	31.6	-
364	Electric lighting and wiring equipment	192.3	189.2	182.4	184.3	-	140.1	138.3	132.9	134.5	-
3641	Electric lamps	32.2	31.9	26.8	26.8	-	28.2	28.1	23.4	23.3	-
3643	Current-carrying wiring devices	79.7	78.0	76.9	78.1	-	53.1	51.9	51.3	52.3	-
3644	Noncurrent-carrying wiring devices	19.1	18.3	17.1	17.0	-	13.7	13.2	12.2	12.1	-
3645	Residential lighting fixtures	22.4	21.6	24.0	24.2	-	16.7	16.0	18.0	18.4	-
365	Radio and TV receiving equipment	93.0	92.7	85.7	86.1	-	63.4	63.5	59.5	59.8	-
3651	Radio and TV receiving sets	72.1	71.4	66.7	67.1	-	48.0	47.7	45.6	46.1	-
366	Communication equipment	571.3	570.8	572.9	572.6	-	269.0	268.1	261.5	261.8	-
3661	Telephone and telegraph apparatus	152.3	150.6	137.5	136.9	-	99.3	98.5	87.5	86.9	-
3662	Radio and TV communication equipment	419.0	420.2	435.4	435.7	-	169.7	169.6	174.0	174.9	-
367	Electronic components and accessories	559.9	562.5	563.4	569.0	-	323.1	322.9	324.5	330.6	-
3671-3	Electronic tubes	42.1	42.5	42.9	43.1	-	25.5	25.8	27.0	27.4	-
3674	Semiconductors and related devices	224.0	226.3	229.7	231.5	-	88.9	89.1	93.4	95.6	-
3679	Electronic components, nec	221.4	221.6	224.6	227.2	-	153.5	153.2	155.1	157.8	-
369	Misc. electrical equipment and supplies	143.8	144.3	141.1	143.1	-	101.1	101.9	99.2	101.0	-
3691	Storage batteries	28.6	28.7	27.5	27.2	-	22.0	22.1	20.9	20.9	-
3694	Engine electrical equipment	55.7	55.9	54.1	56.3	-	42.8	43.2	41.4	43.2	-
TRANSPORTATION EQUIPMENT		1,766.9	1,777.6	1,729.7	1,745.7	1,764.0	1,103.3	1,120.6	1,074.3	1,089.1	1,107.1
37	Motor vehicles and equipment	709.1	732.7	724.6	739.5	-	517.0	544.2	538.2	552.1	-
3711	Motor vehicles and car bodies	319.1	333.9	338.6	348.6	-	219.7	236.9	240.3	249.8	-
3713	Truck and bus bodies	32.8	32.9	29.9	31.5	-	24.8	24.9	22.4	24.0	-
3714	Motor vehicle parts and accessories	329.1	337.6	327.6	330.6	-	251.7	261.3	254.2	256.9	-
3715	Truck trailers	21.2	21.2	19.7	19.5	-	15.5	15.6	14.3	14.1	-
372	Aircraft and parts	608.5	602.2	582.2	580.2	-	311.5	308.4	287.9	284.9	-
3721	Aircraft	324.3	320.7	308.8	308.2	-	147.3	146.5	135.8	134.5	-
3724	Aircraft engines and engine parts	150.8	148.4	144.5	143.2	-	86.4	84.1	78.7	77.6	-
3728	Aircraft equipment, nec	133.4	133.1	128.9	128.8	-	77.8	77.8	73.4	72.8	-
373	Ship and boat building and repairing	220.1	217.2	196.2	197.3	-	169.0	166.5	145.8	147.8	-
3731	Ship building and repairing	178.7	176.2	156.9	154.7	-	134.9	133.0	113.7	112.7	-
3732	Boat building and repairing	41.4	41.0	39.3	42.6	-	34.1	33.5	32.1	35.1	-
374	Railroad equipment	30.1	30.0	28.3	27.8	-	24.4	24.2	17.2	16.8	-
376	Guided missiles, space vehicles, parts	129.9	131.4	139.3	139.6	-	39.5	40.1	44.6	45.0	-
3761	Guided missiles and space vehicles	102.2	104.1	110.7	110.8	-	29.1	30.0	34.4	34.5	-

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	TRANSPORTATION EQUIPMENT—Continued										
379	Miscellaneous transportation equipment	42.8	43.2	45.8	47.4	-	29.3	29.7	30.8	32.3	-
3792	Travel trailers and campers	17.1	17.2	18.0	19.7	-	13.4	13.4	13.9	15.5	-
38	INSTRUMENTS AND RELATED PRODUCTS	721.9	721.9	688.2	689.2	689.8	417.4	417.3	383.0	384.1	387.0
381	Engineering and scientific instruments	82.6	82.3	79.5	80.0	-	38.6	38.4	35.4	36.8	-
382	Measuring and controlling devices	249.2	248.5	236.9	237.0	-	153.7	152.8	137.9	138.8	-
3822	Environmental controls	42.8	42.9	43.2	43.6	-	28.6	28.8	28.1	28.8	-
3823	Process control instruments	61.4	61.1	55.1	54.8	-	31.8	31.4	26.6	26.3	-
3825	Instruments to measure electricity	102.3	102.0	100.0	100.1	-	64.2	63.6	57.5	57.9	-
383	Optical instruments and lenses	34.1	34.0	33.2	33.3	-	18.3	18.6	16.7	16.8	-
384	Medical instruments and supplies	159.1	158.5	156.5	156.8	-	98.9	98.6	94.9	94.7	-
3841	Surgical and medical instruments	75.1	75.2	74.8	75.1	-	44.3	44.5	43.1	43.3	-
3842	Surgical appliances and supplies	68.5	67.8	67.7	67.7	-	45.3	44.8	43.6	43.3	-
385	Ophthalmic goods	38.8	39.6	36.4	36.6	-	26.9	27.2	25.0	25.1	-
386	Photographic equipment and supplies	140.1	141.1	128.5	128.2	-	68.5	69.2	60.4	60.2	-
387	Watches, clocks, and watchcases	18.0	17.9	17.2	17.3	-	12.5	12.5	11.7	11.7	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	387.5	386.6	373.1	378.2	380.8	281.0	280.5	265.8	271.7	273.8
391	Jewelry, silverware, and plated ware	54.8	54.5	55.5	55.6	-	38.5	38.3	39.0	39.1	-
3911	Jewelry, precious metal	36.0	35.5	36.7	36.8	-	25.2	24.9	25.9	26.0	-
393	Musical instruments	19.4	19.3	18.8	18.8	-	15.3	15.1	14.6	14.6	-
394	Toys and sporting goods	113.1	114.3	106.0	110.2	-	83.8	84.9	74.9	79.2	-
3942, 4	Dolls, games, toys, and children's vehicles	58.2	59.1	53.7	57.2	-	41.1	42.2	35.4	38.9	-
3949	Sporting and athletic goods, nec	54.9	55.2	52.3	53.0	-	42.7	42.7	39.5	40.3	-
395	Pens, pencils, office and art supplies	33.3	33.0	30.3	30.4	-	23.2	22.9	20.7	21.1	-
396	Costume jewelry and notions	39.0	38.9	38.0	38.1	-	29.3	29.4	28.9	29.1	-
3961	Costume jewelry	15.5	19.7	20.0	19.9	-	14.7	15.1	15.3	15.3	-
399	Miscellaneous manufactures	127.9	126.6	124.5	125.1	-	90.9	89.9	87.7	88.6	-
3993	Signs and advertising displays	47.0	46.8	47.7	47.0	-	33.5	33.2	33.4	32.8	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,569.4	1,593.4	1,562.1	1,564.6	1,580.1	1,061.5	1,083.5	1,061.4	1,064.0	1,077.5
201	Meat products	342.8	347.8	335.3	337.3	-	285.3	290.4	278.4	280.2	-
2011	Meat packing plants	147.6	149.3	139.2	139.0	-	121.1	122.8	112.6	112.1	-
2013	Sausages and other prepared meats	70.0	71.4	69.8	69.7	-	51.8	53.1	51.7	51.7	-
2016	Poultry dressing plants	110.1	111.8	111.2	113.3	-	99.6	101.2	100.9	103.0	-
202	Dairy products	165.5	167.6	161.9	163.0	-	91.9	93.5	90.7	91.7	-
2022	Cheese, natural and processed	35.0	35.6	34.8	34.7	-	26.3	26.7	26.4	26.4	-
2026	Fluid milk	93.8	94.3	90.6	90.8	-	42.3	42.7	41.4	41.4	-
203	Preserved fruits and vegetables	200.1	209.5	203.2	206.3	-	159.8	169.2	163.9	167.1	-
2032	Canned specialties	21.6	22.6	21.8	21.8	-	15.3	16.4	16.5	16.3	-
2033	Canned fruits and vegetables	66.5	70.2	63.6	65.1	-	51.2	54.5	49.0	50.3	-
2037	Frozen fruits and vegetables	41.0	44.3	42.4	43.2	-	35.2	38.6	36.2	37.1	-
204	Grain mill products	132.6	132.1	135.2	134.0	-	90.0	89.2	91.4	90.7	-
2041	Flour and other grain mill products	25.1	24.8	26.8	26.7	-	15.4	15.0	16.4	16.6	-
2048	Prepared feeds, nec	50.3	50.4	49.5	49.1	-	32.2	32.2	31.5	31.1	-
205	Bakery products	216.7	217.8	215.7	216.1	-	126.4	127.0	126.0	126.5	-
2051	Bread, cake, and related products	174.7	176.3	172.4	173.0	-	93.2	94.3	91.4	92.0	-
2052	Cookies and crackers	42.0	41.5	43.3	43.1	-	33.2	32.7	34.6	34.5	-
206	Sugar and confectionery products	92.1	92.3	98.8	97.1	-	68.4	68.7	75.7	74.2	-
2061-3	Cane and beet sugar	25.6	25.4	24.7	25.1	-	18.2	18.3	18.1	18.5	-
2065	Confectionery products	47.9	48.0	55.0	52.8	-	37.9	37.9	44.8	42.8	-
207	Fats and oils	39.7	39.7	37.2	36.4	-	29.8	29.7	27.9	27.1	-
208	Beverages	228.8	231.7	221.9	223.7	-	98.2	100.6	95.0	95.9	-
2082	Malt beverages	51.3	52.0	47.3	48.4	-	32.9	33.6	29.8	30.9	-
2086	Bottled and canned soft drinks	132.5	134.7	130.5	131.3	-	42.9	44.3	41.8	42.1	-
209	Misc. foods and kindred products	151.1	154.9	152.9	150.7	-	111.7	115.2	112.4	110.6	-
21	TOBACCO MANUFACTURES	63.9	62.9	63.7	61.5	60.4	48.7	48.2	48.7	47.9	46.4
211	Cigarettes	47.4	46.6	45.6	44.3	-	36.3	35.7	34.6	34.7	-
22	TEXTILE MILL PRODUCTS	772.3	759.5	727.5	733.4	737.6	661.5	649.8	624.0	630.3	634.9
221	Weaving mills, cotton	135.1	131.3	122.1	123.0	-	118.9	115.2	107.8	108.7	-
222	Weaving mills, synthetics	102.4	95.4	89.5	89.2	-	91.2	84.3	79.5	79.4	-
223	Weaving and finishing mills, wool	18.0	17.7	16.4	16.6	-	15.0	14.8	13.8	14.1	-
224	Narrow fabric mills	23.3	22.9	21.8	22.1	-	20.3	19.9	18.7	19.0	-
225	Knitting mills	203.6	205.7	198.7	201.3	-	174.7	177.0	170.7	173.1	-
2251	Women's hosiery, except socks	30.4	31.3	31.9	32.3	-	27.1	28.0	28.5	29.0	-
2252	Hosiery, nec	31.6	31.5	31.2	31.6	-	28.5	28.3	28.2	28.4	-
2253	Knit outerwear mills	65.5	66.7	61.6	62.7	-	55.0	56.6	52.2	53.1	-
2254	Knit underwear mills	28.5	28.9	29.1	29.3	-	24.1	24.3	24.5	24.7	-

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	26.5	26.4	26.2	26.3	-	22.4	22.3	22.0	22.2	-
226	Textile finishing, except wool	66.7	66.7	64.2	64.7	-	55.0	55.3	53.2	53.6	-
2261	Finishing plants, cotton	27.9	28.3	27.4	27.6	-	22.7	23.2	22.7	22.8	-
2262	Finishing plants, synthetics	24.6	24.5	22.6	22.6	-	20.5	20.5	18.7	18.7	-
227	Floor covering mills	47.9	47.7	47.1	47.6	-	37.6	37.6	36.9	37.5	-
228	Yarn and thread mills	114.3	111.8	109.3	110.4	-	101.0	98.6	97.6	98.7	-
2281	Yarn mills, except wool	77.4	75.4	74.9	75.6	-	69.6	67.7	67.8	68.5	-
2282	Throwing and winding mills	17.6	17.4	16.9	17.2	-	15.3	15.1	15.0	15.3	-
229	Miscellaneous textile goods	61.0	60.3	58.4	58.5	-	47.6	47.1	45.8	46.2	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,171.5	1,176.5	1,144.1	1,146.6	1,156.2	992.7	995.3	966.8	970.5	979.6
231	Men's and boys' suits and coats	76.0	76.0	66.0	67.0	-	66.2	66.6	57.7	58.5	-
232	Men's and boys' furnishings	324.2	327.2	315.2	319.8	-	275.2	277.9	268.6	273.7	-
2321	Men's and boys' shirts and nightwear	93.3	93.1	87.6	89.3	-	80.1	80.0	75.6	77.3	-
2327	Men's and boys' separate trousers	65.8	66.9	64.9	65.8	-	57.7	58.3	56.1	57.0	-
2328	Men's and boys' work clothing	91.0	91.6	89.9	92.1	-	74.9	75.6	75.5	77.8	-
233	Women's and misses' outerwear	391.0	390.8	391.8	386.5	-	334.9	333.4	332.6	328.0	-
2331	Women's and misses' blouses and waists	61.7	62.4	63.5	61.9	-	53.1	53.6	54.2	52.5	-
2335	Women's and misses' dresses	135.6	130.9	132.4	129.6	-	119.0	113.6	114.6	112.0	-
2337	Women's and misses' suits and coats	50.7	56.7	53.5	54.2	-	42.7	48.3	44.9	46.0	-
2339	Women's and misses' outerwear, nec.	143.0	140.8	142.4	140.8	-	120.1	117.9	118.9	117.5	-
234	Women's and children's undergarments	85.3	83.5	81.1	81.6	-	72.6	71.0	68.6	69.1	-
2341	Women's and children's underwear	68.6	68.0	66.3	67.0	-	59.8	59.2	57.4	58.0	-
2342	Brassieres and allied garments	16.7	15.5	14.8	14.6	-	12.8	11.8	11.2	11.1	-
236	Children's outerwear	61.9	63.6	59.7	59.3	-	52.3	53.9	50.6	50.2	-
2361	Children's dresses and blouses	25.9	26.7	25.7	25.2	-	23.0	23.8	22.8	22.3	-
236	Misc. apparel and accessories	50.7	49.9	47.0	45.9	-	42.5	41.5	38.8	38.1	-
2361	Misc. apparel and accessories	163.1	165.1	164.9	167.8	-	132.9	134.2	134.9	137.5	-
239	Misc. fabricated textile products	23.0	23.6	22.7	23.3	-	18.8	19.2	19.4	19.0	-
2391	Curtains and draperies	4.2	4.6	4.6	4.4	-	3.9	3.8	4.0	4.1	-
2392	House furnishings, nec.	28.3	30.2	30.3	31.3	-	22.6	24.4	24.8	25.8	-
2396	Automotive and apparel trimmings										
26	PAPER AND ALLIED PRODUCTS	665.0	662.6	648.9	651.5	654.4	495.8	493.5	483.7	486.3	490.5
261, 2,6	Paper and pulp mills	197.1	196.3	192.0	192.7	-	147.8	146.9	144.1	145.0	-
262	Paper mills, except building paper	171.6	170.5	166.3	166.6	-	127.1	125.9	123.3	123.9	-
263	Paperboard mills	61.3	60.7	58.5	58.9	-	47.4	47.2	44.7	44.9	-
264	Misc. converted paper products	217.4	216.5	214.2	215.1	-	158.1	156.9	155.6	156.4	-
2641	Paper coating and glazing	57.1	57.1	56.8	57.0	-	35.9	35.9	36.1	36.4	-
2642	Envelopes	25.8	25.7	26.0	25.9	-	19.9	19.7	20.1	20.1	-
2643	Bags, except textile bags	49.4	48.7	48.5	48.5	-	38.3	37.6	37.6	37.5	-
265	Paperboard containers and boxes	189.2	189.1	184.2	184.8	-	142.5	142.5	139.3	140.0	-
2651	Folding paperboard boxes	41.2	41.1	39.2	39.3	-	31.9	31.8	30.6	30.6	-
2653	Corrugated and solid fiber boxes	98.1	97.8	96.7	96.7	-	71.7	71.5	71.4	71.3	-
2654	Sanitary food containers	22.4	22.5	22.1	22.5	-	17.9	18.1	17.7	18.2	-
27	PRINTING AND PUBLISHING	1,272.7	1,270.0	1,271.2	1,274.4	1,276.0	702.4	700.1	697.5	700.9	700.5
271	Newspapers	417.2	416.9	416.0	416.8	-	158.1	157.7	156.1	156.6	-
272	Periodicals	96.7	96.4	98.4	98.1	-	20.9	21.3	21.3	21.5	-
273	Books	103.2	102.3	98.8	98.6	-	53.1	52.1	51.3	51.4	-
2731	Book publishing	72.6	72.3	70.7	70.4	-	27.8	27.6	28.0	28.0	-
2732	Book printing	30.6	30.0	28.1	28.2	-	25.3	24.5	23.3	23.4	-
274	Miscellaneous publishing	50.5	50.0	51.7	52.2	-	27.3	26.3	28.2	28.6	-
275	Commercial printing	426.0	425.9	427.1	429.6	-	312.2	312.4	310.7	312.9	-
2751	Commercial printing, letterpress	152.1	151.9	149.6	151.4	-	111.8	111.8	110.4	112.3	-
2752	Commercial printing, lithographic	250.1	250.8	255.0	255.4	-	181.3	182.0	182.8	182.6	-
276	Manifold business forms	47.4	47.3	47.4	47.4	-	33.2	33.1	33.0	33.2	-
278	Blankbooks and bookbinding	61.4	61.1	60.6	60.5	-	49.6	49.5	48.8	48.7	-
279	Printing trade services	45.8	45.5	46.9	47.2	-	33.9	33.7	34.9	35.0	-
28	CHEMICALS AND ALLIED PRODUCTS	1,086.2	1,084.8	1,055.3	1,055.3	1,054.9	606.6	606.8	585.6	586.5	591.9
281	Industrial inorganic chemicals	162.0	161.4	153.2	152.9	-	87.2	87.1	79.0	78.7	-
2819	Industrial inorganic chemicals, nec.	106.5	106.4	103.3	103.0	-	57.3	56.9	54.3	54.0	-
282	Plastics materials and synthetics	188.6	187.5	178.1	179.3	-	122.2	121.5	114.7	116.0	-
2821	Plastics materials and resins	75.5	74.8	74.4	74.9	-	43.8	43.3	42.8	43.2	-
2824	Organic fibers, noncellulosic	80.2	79.6	73.9	74.1	-	56.0	55.7	51.7	52.0	-
283	Drugs	198.1	198.9	199.5	199.9	-	97.7	98.8	97.3	97.9	-
2834	Pharmaceutical preparations	155.8	155.7	157.3	157.5	-	75.6	76.1	75.3	75.6	-
284	Soap, cleaners, and toilet goods	143.8	143.7	148.1	147.4	-	89.3	89.3	93.0	91.5	-
2841	Soap and other detergents	43.1	42.9	44.6	44.5	-	28.1	28.0	28.7	28.5	-
2844	Toilet preparations	62.2	62.3	64.7	64.2	-	40.7	40.7	43.0	41.9	-
2642, 3	Polishing, sanitation, and finishing preparations	38.5	38.5	38.8	38.7	-	20.5	20.6	21.3	21.1	-
285	Paints and allied products	60.5	60.8	60.4	60.7	-	29.0	29.4	29.3	29.5	-
286	Industrial organic chemicals	171.6	171.5	164.6	163.2	-	86.0	86.4	84.3	84.2	-

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	34.4	34.7	32.0	31.7	-	21.1	21.3	19.6	19.3	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	137.2	136.8	132.6	131.5	-	64.9	65.1	64.7	64.9	-
287	Agricultural chemicals	69.3	68.8	62.8	63.0	-	43.3	42.7	38.4	38.7	-
289	Miscellaneous chemical products	92.3	92.2	88.6	88.9	-	51.9	51.6	49.6	50.0	-
29	PETROLEUM AND COAL PRODUCTS	198.5	201.2	195.2	196.9	197.6	117.7	119.9	118.4	119.8	122.8
291	Petroleum refining	163.9	163.8	160.3	159.9	-	94.1	93.7	94.3	93.7	-
295	Paving and roofing materials	22.8	25.6	23.6	25.6	-	16.5	19.0	17.3	19.2	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	707.4	707.6	695.1	707.7	716.4	541.7	542.6	534.1	547.1	556.4
301	Tires and inner tubes	107.3	105.9	100.3	100.5	-	76.4	74.9	72.8	73.4	-
302	Rubber and plastics footwear	19.3	19.3	18.4	19.3	-	16.7	16.8	15.5	16.3	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	22.7	23.1	20.4	19.9	-	16.3	16.7	14.0	13.7	-
306	Fabricated rubber products, nec	100.2	99.2	96.6	97.2	-	76.1	75.4	73.2	73.9	-
307	Miscellaneous plastics products	457.9	460.1	459.4	470.8	-	356.2	358.8	358.6	369.8	-
31	LEATHER AND LEATHER PRODUCTS	224.9	225.4	212.6	214.2	215.8	188.7	189.8	176.6	177.8	180.4
311	Leather tanning and finishing	19.1	19.3	18.9	19.1	-	15.7	15.9	15.6	15.8	-
314	Footwear, except rubber	138.2	137.7	132.2	132.6	-	118.1	117.3	112.2	112.3	-
3143	Men's footwear, except athletic	56.1	54.5	51.6	51.8	-	46.9	45.1	41.5	41.2	-
3144	Women's footwear, except athletic	52.0	53.1	51.6	51.8	-	44.8	45.9	45.6	45.9	-
316	Luggage	14.3	14.8	13.2	14.0	-	10.9	11.3	9.2	10.0	-
317	Handbags and personal leather goods	29.1	29.3	25.9	26.0	-	23.8	24.0	20.8	20.8	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,082	5,119	4,913	4,953	4,994	4,193	4,225	4,041	4,074	4,115
40	RAILROAD TRANSPORTATION	438.7	445.5	369.6	376.4	-	-	-	-	-	-
4011	Class I railroads ²	405.8	411.9	341.0	347.3	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	268.7	280.2	274.9	275.5	-	240.1	260.0	255.3	256.5	-
411	Local and suburban transportation	84.9	85.4	85.6	86.1	-	77.3	77.9	78.6	79.2	-
412	Taxis	43.4	43.1	40.7	39.9	-	-	-	-	-	-
413	Intercity highway transportation	36.7	37.5	-	-	-	33.7	34.1	-	-	-
415	School buses	85.5	94.5	97.2	97.1	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,193.5	1,207.8	1,159.6	1,170.5	-	1,033.3	1,046.3	1,003.2	1,013.3	-
421,3	Trucking and trucking terminals	1,112.2	1,127.2	1,081.1	1,093.1	-	965.6	979.3	937.8	948.9	-
422	Public warehousing	81.3	80.6	78.5	77.4	-	67.7	67.0	65.4	64.4	-
44	WATER TRANSPORTATION	212.6	210.8	179.0	192.3	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	444.8	448.7	442.1	445.1	-	-	-	-	-	-
451,2	Air transportation	394.7	398.3	391.1	393.4	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	21.7	21.9	21.8	21.8	-	14.8	15.0	15.4	15.4	-
47	TRANSPORTATION SERVICES	215.7	217.8	212.2	215.3	-	-	-	-	-	-
48	COMMUNICATION	1,419.1	1,421.1	1,378.3	1,379.1	-	1,073.8	1,075.8	1,048.1	1,047.2	-
481	Telephone communication	1,079.7	1,077.5	1,013.5	1,011.6	-	792.8	791.9	756.0	753.7	-
483	Radio and television broadcasting	215.6	219.0	227.6	229.3	-	175.5	178.3	180.6	181.7	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	866.8	865.3	875.8	876.7	-	703.7	699.3	704.8	703.6	-
491	Electric services	417.2	417.5	430.1	431.0	-	332.6	332.8	341.8	340.9	-
492	Gas production and distribution	174.9	176.1	175.1	174.6	-	141.1	141.7	139.9	139.4	-
493	Combination utility services	199.9	196.0	196.6	196.3	-	165.5	159.3	159.1	158.6	-
495	Sanitary services	50.3	51.0	50.0	50.4	-	44.4	45.1	44.3	44.6	-
-	WHOLESALE AND RETAIL TRADE	20,269	20,457	19,955	20,165	20,359	17,697	17,886	17,397	17,580	17,766
50,51	WHOLESALE TRADE	5,294	5,307	5,145	5,161	5,184	4,281	4,293	4,131	4,142	4,165
50	WHOLESALE TRADE - DURABLE GOODS	3,120	3,116	3,009	3,021	-	2,510	2,505	2,402	2,410	-
501	Motor vehicles and automotive equipment	404.5	406.1	396.6	399.1	-	325.8	327.9	318.1	320.1	-
502	Furniture and home furnishing	114.1	113.1	114.1	114.9	-	93.6	92.8	93.2	94.0	-
503	Lumber and construction materials	175.7	177.6	179.4	182.2	-	143.0	144.4	146.1	148.8	-
504	Sporting goods, toys, and hobby goods	71.5	71.5	71.0	71.8	-	57.1	57.3	57.3	57.8	-
505	Metals and minerals, except petroleum	145.6	144.4	129.6	129.8	-	115.1	114.2	102.9	102.9	-
506	Electrical goods	432.6	431.7	424.1	424.4	-	347.3	345.8	336.6	336.1	-
507	Hardware, plumbing, and heating equipment	235.8	235.0	232.5	232.9	-	190.8	189.9	187.5	187.5	-

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 ¹					
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	
	WHOLESALE TRADE-DURABLE GOODS—											
	Continued											
508	Machinery, equipment, and supplies	1,351.3	1,351.0	1,290.0	1,291.3	-	1,079.7	1,077.5	1,018.5	1,018.6	-	
509	Miscellaneous durable goods	188.4	185.5	171.4	174.5	-	157.4	154.8	141.3	144.3	-	
	WHOLESALE TRADE-NONDURABLE GOODS											
511	Paper and paper products	2,174	2,191	2,136	2,140	-	1,771	1,788	1,729	1,732	-	
512	Drugs, proprietaries, and sundries	157.0	156.9	157.4	157.2	-	126.3	126.0	126.7	126.6	-	
513	Apparel, piece goods, and notions	152.4	152.5	153.0	153.2	-	128.9	129.2	128.7	128.5	-	
514	Groceries and related products	168.9	168.6	166.5	166.7	-	131.9	131.4	126.3	126.7	-	
516	Chemicals and allied products	659.8	673.3	639.1	644.5	-	564.7	578.2	543.8	548.4	-	
517	Petroleum and petroleum products	134.0	133.9	133.5	132.6	-	95.7	95.3	92.7	91.8	-	
518	Beer, wine, and distilled beverages	225.0	226.8	216.3	215.8	-	170.0	171.8	163.7	163.0	-	
519	Miscellaneous nondurable goods	143.0	144.8	142.7	142.9	-	118.9	120.6	118.4	118.9	-	
		392.4	394.9	387.6	389.1	-	320.1	322.3	314.2	315.7	-	
52-59	RETAIL TRADE	14,975	15,150	14,810	15,004	15,175	13,416	13,593	13,266	13,438	13,601	
	BUILDING MATERIALS AND GARDEN											
	SUPPLIES	582.7	596.0	573.7	590.4	-	489.2	502.6	481.9	497.2	-	
521	Lumber and other building materials	292.4	299.4	295.2	302.1	-	244.9	252.0	248.7	255.3	-	
525	Hardware stores	146.0	147.6	146.2	148.1	-	124.0	125.5	123.2	125.2	-	
	GENERAL MERCHANDISE STORES											
53	Department stores	2,129.0	2,139.9	2,099.3	2,103.2	-	1,966.6	1,981.3	1,958.0	1,959.2	-	
531	Department stores	1,790.9	1,800.3	1,792.7	1,793.7	-	1,660.6	1,673.7	1,683.2	1,682.2	-	
533	Variety stores	225.3	226.3	200.2	202.2	-	209.4	210.4	188.1	185.3	-	
539	Misc. general merchandise stores	112.8	113.3	106.4	107.3	-	96.6	97.2	90.7	91.7	-	
	FOOD STORES											
54	Grocery stores	2,421.3	2,447.7	2,444.2	2,452.8	-	2,240.0	2,266.2	2,268.0	2,273.5	-	
541	Grocery stores	2,121.4	2,143.2	2,144.5	2,151.3	-	1,967.8	1,990.0	1,998.7	2,002.8	-	
542	Meat markets and freezer provisioners	56.7	57.4	59.1	59.7	-	-	-	-	-	-	
546	Retail bakeries	128.5	129.4	130.5	131.6	-	118.7	119.2	118.0	119.4	-	
	AUTOMOTIVE DEALERS AND SERVICE											
	STATIONS	1,614.2	1,624.8	1,580.3	1,593.8	-	1,359.3	1,369.1	1,326.4	1,337.9	-	
551,2	New and used car dealers	731.2	733.8	735.3	738.6	-	598.5	601.1	602.6	606.0	-	
553	Auto and home supply stores	256.7	261.5	248.4	253.2	-	220.8	224.7	213.5	218.2	-	
554	Gasoline service stations	548.6	549.5	523.3	524.7	-	477.7	478.4	452.4	452.3	-	
	APPAREL AND ACCESSORY STORES											
56	Men's and boys' clothing and furnishings	932.6	929.5	922.8	932.8	-	793.1	790.3	778.4	788.4	-	
561	Men's and boys' clothing and furnishings	119.5	118.5	115.1	115.1	-	100.8	100.2	96.8	96.7	-	
562	Women's ready-to-wear stores	333.8	337.6	337.0	339.9	-	287.6	291.1	286.9	290.3	-	
565	Family clothing stores	171.6	170.9	168.2	167.0	-	149.0	148.9	145.9	144.9	-	
566	Shoe stores	204.9	200.3	196.2	204.6	-	167.7	162.5	158.5	166.8	-	
	FURNITURE AND HOME FURNISHINGS											
	STORES	573.8	572.2	570.2	572.5	-	473.1	472.2	471.4	472.7	-	
571	Furniture and home furnishings stores	348.4	347.3	340.6	342.0	-	287.6	286.7	281.3	282.5	-	
572	Household appliance stores	75.9	74.8	72.1	71.7	-	64.0	62.9	61.7	61.3	-	
573	Radio, television, and music stores	149.5	150.1	157.5	158.8	-	121.5	122.6	128.4	128.9	-	
58	EATING AND DRINKING PLACES	4,816.5	4,930.6	4,723.7	4,870.4	-	4,434.5	4,546.4	4,341.2	4,476.0	-	
	MISCELLANEOUS RETAIL											
59	Drug stores and proprietary stores	1,904.4	1,909.6	1,895.6	1,888.3	-	1,659.7	1,664.5	1,640.8	1,632.7	-	
591	Drug stores and proprietary stores	489.2	488.6	486.5	485.5	-	438.1	437.8	432.2	431.4	-	
592	Liquor stores	127.1	127.6	125.2	124.7	-	-	-	-	-	-	
594	Miscellaneous shopping goods stores	607.0	606.8	613.7	610.4	-	520.5	520.2	521.3	518.0	-	
596	Nonstore retailers	248.2	246.3	249.8	245.9	-	228.7	227.0	230.3	226.6	-	
598	Fuel and ice dealers	102.1	100.3	101.5	99.2	-	84.9	83.3	84.4	82.2	-	
599	Retail stores, nec.	269.5	278.3	257.0	260.2	-	227.9	235.3	213.6	216.6	-	
	FINANCE, INSURANCE, AND REAL											
	ESTATE ²	5,309	5,332	5,359	5,395	5,418	3,971	3,987	3,980	4,015	4,032	
	BANKING											
60	Commercial and stock savings banks	1,645.0	1,650.8	1,648.7	1,650.7	-	1,236.3	1,236.9	1,228.9	1,228.8	-	
602	Commercial and stock savings banks	1,501.8	1,503.6	1,497.5	1,499.2	-	1,118.7	1,119.2	1,109.2	1,108.8	-	
	CREDIT AGENCIES OTHER THAN BANKS											
61	Savings and loan associations	576.2	577.1	601.0	604.6	-	435.6	436.1	452.3	458.3	-	
612	Savings and loan associations	266.4	266.7	284.6	287.7	-	203.1	203.5	217.4	220.3	-	
614	Personal credit institutions	195.9	196.1	194.2	193.8	-	150.3	150.2	145.5	147.7	-	
	SECURITY, COMMODITY BROKERS, AND											
	SERVICES	270.4	270.9	293.9	296.6	-	-	-	-	-	-	
621	Security brokers and dealers	220.6	221.0	235.3	237.5	-	-	-	-	-	-	
	INSURANCE CARRIERS											
63	Life insurance	1,237.9	1,238.6	1,226.4	1,225.7	-	848.6	846.5	833.8	834.3	-	
631	Life insurance	544.5	546.3	541.5	540.9	-	337.4	336.8	331.2	330.8	-	

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	141.5	142.1	143.8	143.6	-	112.7	112.3	114.6	114.4	-
633	Fire, marine, and casualty insurance	481.0	479.8	467.7	466.7	-	344.1	343.4	330.3	330.0	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	472.1	475.9	479.1	479.7	-	-	-	-	-	-
65	REAL ESTATE	952.5	965.3	956.6	984.0	-	-	-	-	-	-
651	Real estate operators and lessors	471.4	471.8	478.2	492.5	-	-	-	-	-	-
653	Real estate agents and managers	348.7	353.3	352.6	356.3	-	-	-	-	-	-
655	Subdividers and developers	113.5	121.3	107.1	115.7	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	18.1	18.0	16.9	17.1	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES.	133.2	135.0	136.0	136.8	-	-	-	-	-	-
-	SERVICES	19,027	19,094	19,279	19,523	19,681	16,906	16,972	17,065	17,293	17,436
70	HOTELS AND OTHER LODGING PLACES	1,119.1	1,142.7	1,065.0	1,106.2	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,087.9	1,106.9	1,036.1	1,075.2	-	997.7	1,016.5	944.8	979.7	-
72	PERSONAL SERVICES	955.9	920.1	964.9	968.7	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	346.6	349.2	343.5	344.8	-	308.9	311.5	304.1	305.8	-
723	Beauty shops	284.2	282.9	292.2	293.4	-	261.6	260.3	270.9	271.2	-
726	Funeral service and crematories	71.1	71.3	72.2	72.4	-	-	-	-	-	-
73	BUSINESS SERVICES	3,264.8	3,281.7	3,403.1	3,462.9	-	2,842.2	2,861.2	2,935.4	2,993.3	-
731	Advertising	160.0	161.0	166.0	166.1	-	122.9	124.0	123.4	124.2	-
732	Credit reporting and collection	73.6	73.9	76.7	77.5	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	135.7	133.4	138.9	138.8	-	-	-	-	-	-
734	Services to buildings	517.2	523.3	524.6	528.0	-	469.5	476.3	476.4	479.9	-
736	Personnel supply services	564.4	564.7	614.0	652.8	-	-	-	-	-	-
737	Computer and data processing services	361.0	359.0	390.6	392.6	-	295.4	293.0	323.1	325.1	-
75	AUTO REPAIR, SERVICES, AND GARAGES	582.5	585.2	575.5	580.4	-	493.6	495.6	484.7	489.6	-
753	Automotive repair shops	363.7	364.0	358.5	363.0	-	304.2	304.3	298.2	302.2	-
76	MISCELLANEOUS REPAIR SERVICES	285.5	286.1	265.5	266.9	-	241.5	241.6	218.0	219.9	-
78	MOTION PICTURES	203.9	203.5	202.4	207.0	-	172.9	173.4	173.5	178.2	-
781	Motion picture production and services	79.2	74.8	85.7	87.0	-	62.8	59.0	70.7	72.4	-
783	Motion picture theaters	113.9	117.9	106.2	109.8	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	792.0	843.0	751.6	828.9	-	711.0	765.1	679.2	753.7	-
80	HEALTH SERVICES	5,742.9	5,764.1	5,893.8	5,903.5	-	5,142.5	5,161.3	5,284.4	5,290.8	-
801	Offices of physicians	814.0	816.3	842.1	845.2	-	667.8	668.9	709.0	711.0	-
802	Offices of dentists	378.7	380.5	398.8	402.9	-	334.7	336.3	353.0	356.0	-
805	Nursing and personal care facilities	1,050.1	1,057.4	1,082.7	1,085.3	-	951.1	957.5	978.5	980.7	-
806	Hospitals	2,993.2	2,999.5	3,028.6	3,023.2	-	2,746.1	2,753.1	2,780.0	2,774.6	-
81	LEGAL SERVICES	550.4	554.5	585.7	587.3	-	465.2	469.0	494.6	496.1	-
82	EDUCATIONAL SERVICES	1,274.1	1,237.2	1,299.6	1,290.7	-	-	-	-	-	-
821	Elementary and secondary schools	337.6	339.7	335.3	333.9	-	-	-	-	-	-
822	Colleges and universities	815.1	777.2	835.1	827.8	-	-	-	-	-	-
83	SOCIAL SERVICES	1,158.3	1,164.8	1,218.0	1,228.3	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,532.4	1,542.7	1,521.6	1,523.0	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,059.4	1,048.0	1,058.1	1,055.8	-	869.5	857.7	862.9	862.3	-
891	Engineering and architectural services	574.2	576.1	559.7	562.1	-	471.2	473.0	459.2	463.2	-
893	Accounting, auditing, and bookkeeping	355.5	343.0	371.0	367.2	-	289.9	277.1	300.6	296.8	-
-	GOVERNMENT	16,174	16,179	16,051	16,034	16,067	-	-	-	-	-
-	FEDERAL GOVERNMENT ⁴	2,730	2,733	2,731	2,746	2,749	-	-	-	-	-
-	Executive, by agency ⁴	2,675.6	2,679.1	-	-	-	-	-	-	-	-
-	Department of Defense	936.6	940.6	-	-	-	-	-	-	-	-
-	Postal Service	660.7	660.8	-	-	-	-	-	-	-	-
-	Other executive agencies	1,078.3	1,077.7	-	-	-	-	-	-	-	-
-	Legislative	39.3	38.6	-	-	-	-	-	-	-	-
-	Judicial	15.4	15.5	-	-	-	-	-	-	-	-

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 ¹				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
-	Manufacturing activities	133.6	134.4	137.3	137.5	-	-	-	-	-	-
3731	Shipbuilding and repairing	81.7	82.1	83.1	83.0	-	-	-	-	-	-
-	Transportation and public utilities, except										
-	Postal Service	42.5	42.5	39.7	40.0	-	-	-	-	-	-
-	Services	387.4	390.9	388.8	390.0	-	-	-	-	-	-
806	Federal government hospitals	232.9	233.8	236.5	236.1	-	-	-	-	-	-
	STATE AND LOCAL GOVERNMENT	13,444	13,446	13,320	13,288	13,318	-	-	-	-	-
	State government	3,733.5	3,691.8	3,722.8	3,724.5	-	-	-	-	-	-
806	State government hospitals	497.3	496.5	490.1	488.1	-	-	-	-	-	-
82	State education	1,539.3	1,495.6	1,561.4	1,556.1	-	-	-	-	-	-
	General administration including executive, legislative, and judicial functions	1,083.8	1,085.6	1,070.6	1,071.3	-	-	-	-	-	-
	Local government	9,710.3	9,753.8	9,597.6	9,563.6	-	-	-	-	-	-
	Transportation and public utilities	527.2	529.2	531.8	531.3	-	-	-	-	-	-
806	Local government hospitals	627.7	628.9	637.9	637.5	-	-	-	-	-	-
82	Local education	5,490.6	5,502.2	5,360.8	5,326.7	-	-	-	-	-	-
	General administration including executive, legislative, and judicial functions	2,767.7	2,793.6	2,778.1	2,777.5	-	-	-	-	-	-

¹ 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.

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

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

⁴ 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. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
-	TOTAL	38,961	39,087	38,735	38,800	39,045
-	PRIVATE SECTOR	31,106	31,176	31,150	31,095	31,299
-	MINING	138	139	127	126	126
10	METAL MINING	7.7	7.7	5.6	5.6	5.6
11, 12	COAL MINING	12.1	12.1	11.3	11.2	11.2
13	OIL AND GAS EXTRACTION	109.3	110.4	101.3	100.5	100.3
131, 2	Crude petroleum, natural gas, and natural gas liquids	65.5	65.7	66.1	65.8	65.8
138	Oil and gas field services	43.8	44.7	35.2	34.7	34.5
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.3	9.2	8.7	8.3	8.5
142	Crushed and broken stone	2.6	2.6	2.7	2.6	2.7
144	Sand and gravel	2.9	2.9	2.8	2.7	2.8
-	CONSTRUCTION	368	369	373	369	372
15	GENERAL BUILDING CONTRACTORS	120.8	119.7	120.3	119.0	121.7
152	Residential building construction	64.8	64.2	66.5	65.5	67.7
153	Operative builders	13.9	13.4	12.9	13.1	13.3
154	Nonresidential building construction	42.1	42.1	40.9	40.4	40.7
16	HEAVY CONSTRUCTION CONTRACTORS	58.5	59.6	60.1	59.5	59.5
161	Highway and street construction	13.3	13.7	12.3	12.0	12.5
162	Heavy construction, except highway	45.2	45.9	47.8	47.5	47.0
17	SPECIAL TRADE CONTRACTORS	188.3	189.4	192.2	190.1	191.1
171	Plumbing, heating, air conditioning	52.0	51.8	52.4	52.0	52.0
172	Painting, paper hanging, decorating	10.6	11.1	11.0	10.7	10.8
173	Electrical work	37.6	37.7	38.7	38.3	38.1
174	Masonry, stonework, and plastering	20.1	20.0	20.6	20.2	20.2
175	Carpentering and flooring	13.1	13.1	13.2	13.1	13.5
176	Roofing and sheet metal work	12.3	12.3	12.9	12.5	12.7
-	MANUFACTURING	6,108	6,084	5,785	5,809	5,841
24, 25, 32-38	DURABLE GOODS	2,918	2,907	2,708	2,718	2,740
20-23, 26-31	NONDURABLE GOODS	3,190	3,177	3,077	3,091	3,101
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	88.8	89.2	90.0	90.9	93.0
241	Logging camps and logging contractors	4.9	5.1	5.8	5.8	5.5
242	Sawmills and planing mills	16.2	16.1	17.2	17.2	17.6
2421	Sawmills and planing mills, general	11.4	11.2	11.8	11.9	12.2
243	Millwork, plywood, and structural members	34.9	34.7	35.8	36.6	37.6
244	Wood containers	6.2	6.3	5.8	5.7	5.7
245	Wood buildings and mobile homes	7.3	7.4	7.1	7.1	7.5
249	Miscellaneous wood products	19.3	19.6	18.3	18.5	19.1
25	FURNITURE AND FIXTURES	133.7	132.6	129.7	129.4	131.0
251	Household furniture	92.7	91.6	88.8	88.7	90.2
2511	Wood household furniture	39.4	38.6	38.3	37.7	38.0
2512	Upholstered household furniture	29.7	29.6	29.2	29.4	30.1
2515	Mattresses and bedsprings	7.7	7.6	7.4	7.8	8.0
252	Office furniture	14.2	14.0	13.4	13.1	13.1
253	Public building and related furniture	5.1	5.1	4.6	4.6	4.6
254	Partitions and fixtures	10.2	10.2	9.9	10.0	10.0
259	Miscellaneous furniture and fixtures	11.5	11.7	13.0	13.0	13.1
32	STONE, CLAY, AND GLASS PRODUCTS	117.9	117.2	105.8	105.5	106.5
322	Glass and glassware, pressed or blown	37.7	37.3	32.8	32.6	32.9
3221	Glass containers	21.0	20.9	18.8	18.4	18.6
3229	Pressed and blown glass, nec	16.7	16.4	14.0	14.2	14.3
323	Products of purchased glass	12.2	12.1	11.1	11.5	11.7
324	Cement, hydraulic	1.6	1.6	1.5	1.4	1.5
325	Structural clay products	5.7	5.5	5.4	5.5	5.3
326	Pottery and related products	13.9	13.9	13.2	12.8	12.9
327	Concrete, gypsum, and plaster products	14.5	14.6	14.3	14.2	14.1
329	Misc. nonmetallic mineral products	29.6	29.4	24.7	24.6	25.2
33	PRIMARY METAL INDUSTRIES	111.2	109.9	93.6	94.5	95.5
331	Blast furnace and basic steel products	35.4	34.3	25.4	25.3	26.0
3312	Blast furnaces and steel mills	26.0	25.0	18.2	17.9	18.6
332	Iron and steel foundries	16.7	16.6	12.3	12.5	12.6

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Feb. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	7.5	7.4	5.7	5.8	5.8
3322	Malleable iron foundries .....	.9	.9	.8	.8	.8
3325	Steel foundries, nec	4.3	4.3	3.0	3.1	3.1
333	Primary nonferrous metals	4.3	4.2	3.4	3.4	3.3
3334	Primary aluminum	1.8	1.9	1.4	1.4	1.3
335	Nonferrous rolling and drawing	34.7	34.8	33.3	33.9	33.9
3351	Copper rolling and drawing	3.3	3.2	3.1	3.2	3.2
3353	Aluminum sheet, plate, and foil	3.1	3.2	3.0	3.0	3.1
3357	Nonferrous wire drawing and insulating	21.1	21.1	19.8	20.3	20.2
336	Nonferrous foundries	14.6	14.4	14.3	14.4	14.6
3361	Aluminum foundries	7.7	7.6	7.4	7.5	7.5
34	FABRICATED METAL PRODUCTS	312.2	310.3	290.4	292.7	295.6
341	Metal cans and shipping containers	11.2	11.2	10.4	10.4	10.4
3411	Metal cans	9.5	9.5	8.6	8.6	8.6
342	Cutlery, hand tools, and hardware	49.7	49.0	45.6	46.6	46.9
3423, 5	Hand and edge tools, and hand saws and blades	15.4	15.0	13.0	13.4	13.4
3429	Hardware, nec	28.3	28.0	27.2	27.8	28.0
343	Plumbing and heating, except electric	15.4	15.3	15.5	15.7	15.8
344	Fabricated structural metal products	67.2	66.5	63.4	62.8	62.9
3441	Fabricated structural metal	7.7	7.6	6.5	6.5	6.4
3442	Metal doors, sash, and trim	17.9	17.9	19.8	19.4	20.0
3443	Fabricated plate work (boiler shops)	18.3	18.1	15.0	14.9	14.7
3444	Sheet metal work	14.3	14.3	13.7	13.9	13.8
345	Screw machine products, bolts, etc.	21.5	21.3	18.7	18.8	19.1
3451	Screw machine products	10.7	10.6	9.1	9.2	9.5
3452	Bolts, nuts, rivets, and washers	10.8	10.7	9.6	9.6	9.6
346	Metal forgings and stampings	47.6	47.4	43.1	44.4	45.3
3462	Iron and steel forgings	4.2	4.1	3.2	3.1	3.1
3465	Automotive stampings	10.7	10.8	10.4	11.3	11.5
3469	Metal stampings, nec	30.2	30.0	27.5	27.9	28.5
347	Metal services, nec	22.7	23.1	21.8	22.0	22.6
3471	Plating and polishing	16.7	17.1	16.4	16.6	16.9
3479	Metal coating and allied services	6.0	6.0	5.4	5.4	5.7
348	Ordinance and accessories, nec	18.4	18.4	18.6	18.7	18.9
349	Misc. fabricated metal products	58.5	58.1	53.3	53.3	53.7
3494	Valves and pipe fittings	22.4	22.0	19.3	19.3	19.4
3496	Misc. fabricated wire products	13.8	13.8	13.2	13.3	13.2
35	MACHINERY, EXCEPT ELECTRICAL	502.3	501.5	447.9	446.6	446.0
351	Engines and turbines	24.3	23.2	18.7	18.4	18.0
3511	Turbines and turbine generator sets	6.3	6.3	5.9	5.7	5.6
3519	Internal combustion engines, nec	18.0	16.9	12.8	12.7	12.4
352	Farm and garden machinery	23.6	23.5	21.4	21.7	21.3
3523	Farm machinery and equipment	17.7	17.7	15.7	15.8	15.4
353	Construction and related machinery	54.4	53.7	36.5	35.8	35.5
3531	Construction machinery	14.6	14.2	8.6	8.2	8.3
3533	Oil field machinery	20.8	21.1	13.4	13.4	13.1
354	Metalworking machinery	53.7	52.6	45.7	45.3	45.3
3541	Machine tools, metal cutting types	9.8	9.8	7.1	7.0	7.0
3544	Special dies, tools, jigs, and fixtures	14.7	14.5	14.0	14.0	14.0
3545	Machine tool accessories	13.1	12.6	10.4	10.3	10.4
355	Special industry machinery	27.9	27.8	25.3	24.8	24.8
3551	Food products machinery	5.3	5.3	4.8	4.7	4.7
3552	Textile machinery	4.6	4.7	4.0	3.8	3.8
3555	Printing trades machinery	6.6	6.5	6.7	6.7	6.6
356	General industrial machinery	62.2	61.7	49.7	49.7	49.9
3561	Pumps and pumping equipment	11.5	11.5	9.6	9.5	9.5
3562	Ball and roller bearings	13.3	13.3	10.3	10.4	10.4
357	Office and computing machines	174.7	176.4	178.4	177.7	177.2
3573	Electronic computing equipment	148.9	150.9	153.3	153.1	152.8
358	Refrigeration and service machinery	36.4	36.5	31.9	32.9	33.1
3585	Refrigeration and heating equipment	24.6	24.9	21.2	22.1	22.4
359	Misc. machinery, except electrical	45.1	46.1	40.3	40.3	40.9
3599	Machinery, except electrical, nec	37.9	37.2	33.1	32.9	33.0
36	ELECTRIC AND ELECTRONIC EQUIPMENT	871.9	866.9	817.7	821.4	829.0
361	Electric distributing equipment	45.5	45.2	40.5	40.7	40.7
3612	Transformers	18.5	18.8	16.7	16.6	16.3
3613	Switchgear and switchboard apparatus	27.0	26.4	23.8	24.1	24.4
362	Electrical industrial apparatus	83.4	81.6	68.5	69.3	69.6
3621	Motors and generators	43.7	42.1	35.9	36.9	37.3
3622	Industrial controls	28.0	27.7	22.8	22.8	22.4
363	Household appliances	52.2	50.1	47.0	48.1	48.4
3632	Household refrigerators and freezers	8.1	7.1	5.7	5.6	5.0
3633	Household laundry equipment	3.9	3.7	3.9	4.3	4.3
3634	Electric housewares and fans	23.7	23.9	21.9	22.6	23.5
364	Electric lighting and wiring equipment	88.1	86.9	78.0	78.6	80.2
3641	Electric lamps	20.1	19.8	15.7	15.2	15.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	38.7	38.1	35.1	35.8	36.3
365	Radio and TV receiving equipment	49.8	49.2	45.5	44.7	45.7
3651	Radio and TV receiving sets	37.5	36.5	34.5	33.8	34.3
366	Communication equipment	218.5	219.0	211.8	212.4	212.1
3661	Telephone and telegraph apparatus	75.0	74.5	66.4	66.9	66.1
3662	Radio and TV communication equipment	143.5	144.5	145.4	145.5	146.0
367	Electronic components and accessories	281.9	281.9	272.5	274.0	278.7
3671-3	Electronic tubes	15.6	15.3	16.3	16.3	16.3
3674	Semiconductors and related devices	102.3	102.3	103.3	102.8	104.7
3679	Electronic components, nec	116.6	116.8	111.8	113.1	115.4
369	Misc. electrical equipment and supplies	52.5	53.0	53.9	53.6	53.6
3694	Engine electrical equipment	21.1	22.1	23.1	22.7	22.8
37	TRANSPORTATION EQUIPMENT	292.7	292.7	280.0	282.6	286.0
371	Motor vehicles and equipment	100.1	101.6	95.9	97.8	100.8
3711	Motor vehicles and car bodies	35.4	36.8	35.0	36.0	37.4
3713	Truck and bus bodies	3.4	3.3	2.5	2.6	2.8
3714	Motor vehicle parts and accessories	58.0	58.2	55.1	55.7	57.0
372	Aircraft and parts	120.7	119.6	112.7	112.5	112.2
3721	Aircraft	67.0	66.3	61.9	62.0	62.0
3724	Aircraft engines and engine parts	26.9	26.5	25.0	24.7	24.5
3728	Aircraft equipment, nec	26.8	26.8	25.8	25.8	25.7
373	Ship and boat building and repairing	24.1	24.0	23.1	23.2	23.4
3731	Ship building and repairing	18.0	17.8	17.6	17.3	17.3
374	Railroad equipment	4.6	4.4	3.4	3.3	3.2
376	Guided missiles, space vehicles, parts	29.5	29.7	32.0	32.4	32.6
3761	Guided missiles and space vehicles	24.1	24.2	26.3	26.5	26.7
379	Miscellaneous transportation equipment	7.5	7.1	8.0	8.4	8.7
38	INSTRUMENTS AND RELATED PRODUCTS	308.1	307.1	291.0	289.9	289.8
381	Engineering and scientific instruments	25.9	26.1	24.6	24.4	24.1
382	Measuring and controlling devices	107.9	107.0	99.3	99.7	100.0
3822	Environmental controls	21.6	21.1	20.5	20.8	21.1
3823	Process control instruments	20.6	20.6	18.2	18.1	17.8
3825	Instruments to measure electricity	47.9	47.9	45.1	45.3	45.5
383	Optical instruments and lenses	11.7	11.8	11.3	11.1	11.0
384	Medical instruments and supplies	87.8	87.2	85.3	85.3	85.6
3841	Surgical and medical instruments	42.3	42.0	41.5	41.6	41.9
3842	Surgical appliances and supplies	37.6	37.4	36.9	36.8	36.8
385	Ophthalmic goods	23.5	23.5	21.8	21.5	21.8
386	Photographic equipment and supplies	40.3	40.7	38.3	37.6	36.7
387	Watches, clocks, and watchcases	11.0	10.8	10.4	10.3	10.6
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	179.3	179.7	161.9	164.1	167.5
391	Jewelry, silverware, and plated ware	25.0	24.6	24.9	24.8	25.0
393	Musical instruments	9.4	9.3	8.5	8.6	8.6
394	Toys and sporting goods	57.5	58.4	48.5	50.8	53.0
3942, 4	Dolls, games, toys, and children's vehicles	29.9	30.9	24.2	26.4	28.4
3949	Sporting and athletic goods, nec	27.6	27.5	24.3	24.4	24.6
395	Pens, pencils, office and art supplies	17.9	17.7	15.3	15.2	15.7
396	Costume jewelry and notions	22.5	22.6	20.0	20.5	21.0
399	Miscellaneous manufactures	47.0	47.1	44.7	44.2	44.2
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	467.3	469.1	472.2	468.7	468.7
201	Meat products	112.6	112.9	111.0	110.8	111.4
2011	Meat packing plants	27.5	27.0	25.8	25.6	26.0
2013	Sausages and other prepared meats	21.3	21.2	21.0	21.2	21.1
2016	Poultry dressing plants	56.4	57.3	56.9	56.7	56.9
202	Dairy products	35.1	35.1	34.5	34.2	34.6
2026	Fluid milk	15.7	15.8	15.2	15.1	15.0
203	Preserved fruits and vegetables	81.5	84.7	83.8	82.8	82.7
2032	Canned specialties	8.5	8.0	8.4	8.3	7.8
2033	Canned fruits and vegetables	22.5	23.6	22.7	22.3	21.6
2037	Frozen fruits and vegetables	17.8	20.1	19.2	19.3	19.4
204	Grain mill products	28.4	28.3	29.0	28.8	28.7
205	Bakery products	57.1	57.7	58.9	58.5	58.6
2051	Bread, cake, and related products	37.3	37.7	38.3	38.1	38.0
2052	Cookies and crackers	19.8	20.0	20.6	20.4	20.6
206	Sugar and confectionery products	41.7	39.1	46.0	44.9	42.7
207	Fats and oils	5.4	5.4	5.2	5.1	5.1
208	Beverages	42.1	42.3	41.0	40.8	41.2
2082	Malt beverages	8.4	8.6	7.7	7.7	7.8
2086	Bottled and canned soft drinks	18.4	18.6	18.5	18.7	18.6
209	Misc. foods and kindred products	63.4	63.6	62.8	62.8	63.7
21	TOBACCO MANUFACTURES	24.7	23.2	25.2	23.3	21.4
211	Cigarettes	14.7	14.6	14.2	13.6	13.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
22	TEXTILE MILL PRODUCTS	367.6	361.0	341.5	342.5	344.9
221	Weaving mills, cotton	60.6	58.2	52.7	53.2	53.3
222	Weaving mills, synthetics	42.9	40.7	36.8	36.2	36.4
223	Weaving and finishing mills, wool	7.2	7.1	6.3	6.4	6.5
224	Narrow fabric mills	13.5	13.6	12.4	12.4	12.5
225	Knitting mills	128.8	128.6	125.3	126.4	127.4
2251	Women's hosiery, except socks	25.2	24.7	24.7	24.8	25.0
2252	Hosiery, nec	23.1	22.9	21.7	21.7	22.3
2253	Knit outerwear mills	42.3	42.9	40.7	41.1	41.7
2254	Knit underwear mills	20.9	20.6	22.1	22.4	21.9
2257	Circular knit fabric mills	10.0	10.1	9.6	9.0	9.9
226	Textile finishing, except wool	20.1	20.4	19.2	19.2	19.1
2261	Finishing plants, cotton	9.2	9.5	9.1	9.0	8.8
2262	Finishing plants, synthetic	5.5	5.4	4.7	4.8	4.8
227	Floor covering mills	20.1	20.1	19.9	19.9	20.0
228	Yarn and thread mills	55.8	54.1	52.9	52.8	53.4
2281	Yarn mills, except wool	35.6	34.8	34.6	34.7	34.9
2282	Throwing and winding mills	10.2	10.1	9.6	9.5	9.6
229	Miscellaneous textile goods	18.6	18.2	16.0	16.0	16.3
23	APPAREL AND OTHER TEXTILE PRODUCTS	969.0	961.2	915.2	927.5	927.1
231	Men's and boys' suits and coats	59.9	59.1	55.3	54.9	51.3
232	Men's and boys' furnishings	280.2	276.1	266.1	267.8	267.3
2321	Men's and boys' shirts and nightwear	81.9	80.8	76.7	76.9	77.0
2327	Men's and boys' separate trousers	57.9	56.6	54.6	55.0	54.5
2328	Men's and boys' work clothing	78.3	76.3	75.3	75.8	75.5
233	Women's and misses' outerwear	342.6	342.5	321.3	328.7	331.8
2331	Women's and misses' blouses and waists	55.0	55.3	55.8	55.1	56.4
2335	Women's and misses' dresses	117.9	119.2	105.2	110.1	112.7
2337	Women's and misses' suits and coats	47.8	45.0	43.1	44.7	43.5
2339	Women's and misses' outerwear, nec	121.9	122.4	117.2	118.8	119.2
234	Women's and children's undergarments	74.6	73.7	69.0	69.7	69.8
2341	Women's and children's underwear	60.8	60.1	57.5	58.0	58.1
2342	Brassieres and allied garments	13.8	13.6	11.5	11.7	11.7
236	Children's outerwear	55.1	54.5	52.5	53.6	52.2
2361	Children's dresses and blouses	24.7	23.9	23.6	23.7	23.0
238	Misc. apparel and accessories	39.5	38.9	34.5	35.1	35.9
239	Misc. fabricated textile products	103.2	102.7	104.0	104.7	106.0
2391	Curtains and draperies	18.8	17.8	17.5	16.6	17.2
2392	House furnishings, nec	29.6	29.5	31.0	31.5	31.8
2396	Automotive and apparel trimmings	14.0	14.6	16.1	16.3	16.7
26	PAPER AND ALLIED PRODUCTS	154.5	154.5	147.5	147.3	148.9
261, 2,6	Paper and pulp mills	27.2	26.9	25.8	25.9	26.0
262	Paper mills, except building paper	24.5	24.4	23.3	23.4	23.5
263	Paperboard mills	5.7	5.7	5.3	5.2	5.2
264	Misc. converted paper products	76.9	77.3	73.9	74.2	75.3
265	Paperboard containers and boxes	44.7	44.6	42.5	42.0	42.4
27	PRINTING AND PUBLISHING	516.0	517.9	512.3	513.5	516.8
271	Newspapers	162.9	162.3	161.9	161.8	162.6
272	Periodicals	58.0	57.9	59.2	58.6	58.6
273	Books	55.6	56.0	53.2	53.5	53.8
274	Miscellaneous publishing	28.1	28.0	29.2	29.8	29.8
275	Commercial printing	136.7	138.2	133.6	134.2	136.5
2751	Commercial printing, letterpress	52.0	52.3	48.6	48.8	50.1
2752	Commercial printing, lithographic	78.1	79.2	79.0	79.2	80.1
276	Manifold business forms	15.6	15.6	15.9	15.8	15.7
278	Blankbooks and bookbinding	32.9	33.3	31.9	32.2	32.2
279	Printing trade services	12.3	12.6	13.6	13.9	14.0
28	CHEMICALS AND ALLIED PRODUCTS	283.1	283.7	271.2	273.2	275.1
281	Industrial inorganic chemicals	24.9	25.1	24.7	24.9	25.1
2819	Industrial inorganic chemicals, nec	16.7	16.9	16.7	16.2	16.8
282	Plastics materials and synthetics	42.9	42.4	35.9	35.8	36.5
2821	Plastics materials and resins	11.4	11.4	10.5	10.4	10.8
2824	Organic fibers, noncellulosic	22.7	22.4	18.5	18.7	18.8
283	Drugs	85.5	85.8	86.2	86.1	86.2
2834	Pharmaceutical preparations	71.9	72.0	71.9	71.0	71.8
284	Soap, cleaners, and toilet goods	58.4	59.3	57.3	59.9	60.8
2841	Soap and other detergents	9.5	9.7	9.9	9.9	10.0
2844	Toilet preparations	36.5	37.2	34.9	37.5	38.4
285	Paints and allied products	11.9	11.7	11.6	11.6	11.5
286	Industrial organic chemicals	28.2	27.9	26.2	25.9	25.9
2861,9	Gum, wood, and industrial organic chemicals, nec	23.7	23.5	22.0	21.7	21.7
287	Agricultural chemicals	10.5	10.5	9.2	9.2	9.2
289	Miscellaneous chemical products	20.8	21.0	20.1	19.8	19.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Feb. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
29	PETROLEUM AND COAL PRODUCTS	30.9	31.0	30.5	30.5	30.2
291	Petroleum refining	26.1	26.0	25.8	25.8	25.4
30	RUBBER AND MISC. PLASTICS PRODUCTS	243.8	242.8	235.5	239.1	241.9
301	Tires and inner tubes	9.8	9.2	8.7	8.6	8.4
302	Rubber and plastics footwear	11.1	11.6	10.5	10.2	10.5
303,4	Reclaimed rubber, and rubber and plastics hose and belting	5.4	5.5	5.3	5.2	5.2
306	Fabricated rubber products, nec	34.7	34.3	32.8	33.0	33.7
307	Miscellaneous plastics products	182.8	182.2	178.2	182.1	184.1
31	LEATHER AND LEATHER PRODUCTS	132.9	132.5	125.7	125.1	126.3
311	Leather tanning and finishing	2.9	2.8	2.6	2.6	2.6
314	Footwear, except rubber	90.0	90.3	87.7	86.8	86.8
3143	Men's footwear, except athletic	35.6	35.5	32.0	31.5	31.4
3144	Women's footwear, except athletic	34.6	34.3	37.1	36.1	35.8
316	Luggage	7.9	7.8	6.2	6.8	7.2
317	Handbags and personal leather goods	19.0	18.9	16.4	16.3	17.2
-	TRANSPORTATION AND PUBLIC UTILITIES	1,331	1,333	1,323	1,319	1,321
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	73.9	74.7	78.4	77.8	78.8
411	Local and suburban transportation	16.6	16.6	16.6	16.8	17.4
412	Taxicabs	6.4	6.4	6.1	5.9	6.0
413	Intercity highway transportation	4.8	4.8	4.2	-	-
415	School buses	42.8	43.5	47.6	47.3	47.5
42	TRUCKING AND WAREHOUSING	154.0	153.1	150.7	148.9	149.1
421,3	Trucking and trucking terminals	137.1	136.1	133.5	132.3	132.5
422	Public warehousing	16.9	17.0	17.2	16.6	16.6
44	WATER TRANSPORTATION	25.1	25.8	24.1	23.6	24.4
45	TRANSPORTATION BY AIR	145.2	144.6	145.3	145.8	147.5
451,2	Air transportation	136.0	135.4	135.3	135.7	137.4
46	PIPE LINES, EXCEPT NATURAL GAS	3.4	3.4	2.8	2.8	2.8
47	TRANSPORTATION SERVICES	105.6	107.4	113.9	112.8	113.3
48	COMMUNICATION	632.1	631.6	614.2	613.9	611.1
481	Telephone communication	527.3	525.8	497.0	494.3	490.8
483	Radio and television broadcasting	71.9	72.2	77.0	78.2	77.9
49	ELECTRIC, GAS, AND SANITARY SERVICES	168.6	169.1	174.1	173.9	174.5
491	Electric services	80.7	81.0	84.8	85.1	85.6
492	Gas production and distribution	38.9	38.9	38.6	38.6	38.7
493	Combination utility services	37.0	37.2	37.7	37.6	37.4
495	Sanitary services	6.5	6.5	7.4	7.1	7.2
-	WHOLESALE AND RETAIL TRADE	8,788	8,813	8,972	8,820	8,867
50,51	WHOLESALE TRADE	1,392	1,398	1,363	1,363	1,367
50	WHOLESALE TRADE-DURABLE GOODS	77.1	77.3	74.7	74.6	74.9
501	Motor vehicles and automotive equipment	87.1	87.6	87.0	86.0	86.1
502	Furniture and home furnishings	44.7	44.7	44.9	44.6	45.1
503	Lumber and construction materials	36.2	36.3	36.2	37.0	37.2
504	Sporting goods, toys, and hobby goods	23.9	24.1	24.4	24.4	24.7
505	Metals and minerals, except petroleum	29.5	29.2	25.1	25.0	24.7
506	Electrical goods	128.2	128.2	123.3	124.9	125.3
507	Hardware, plumbing, and heating equipment	65.2	64.9	63.7	63.2	63.3
508	Machinery, equipment, and supplies	311.0	312.0	299.6	298.7	299.8
509	Miscellaneous durable goods	45.3	45.5	42.5	42.3	42.3
51	WHOLESALE TRADE-NONDURABLE GOODS	621	625	616	617	618
511	Paper and paper products	50.0	50.0	51.6	51.7	51.8
512	Drugs, proprietaries, and sundries	66.6	67.0	69.2	68.3	68.3
513	Apparel, piece goods, and notions	82.0	82.4	81.0	81.3	81.9
514	Groceries and related products	151.3	151.7	143.0	146.1	143.2
516	Chemicals and allied products	36.8	36.9	39.1	38.7	39.0
517	Petroleum and petroleum products	52.8	53.0	50.9	50.1	50.2
518	Beer, wine, and distilled beverages	22.1	21.9	21.8	21.7	21.7
519	Miscellaneous nondurable goods	119.4	121.6	119.6	120.5	121.6

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Feb. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
52-59	RETAIL TRADE	7,396	7,415	7,609	7,457	7,500
52	BUILDING MATERIALS AND GARDEN SUPPLIES	152.3	154.7	154.3	154.0	156.9
521	Lumber and other building materials	59.7	60.0	61.9	61.5	63.0
525	Hardware stores	54.4	54.2	55.6	54.6	55.1
53	GENERAL MERCHANDISE STORES	1,441.6	1,423.3	1,524.0	1,442.1	1,430.3
531	Department stores	1,194.6	1,178.8	1,290.7	1,218.7	1,207.2
533	Variety stores	173.0	171.2	159.9	153.3	153.0
539	Misc. general merchandise stores	74.0	73.3	73.4	70.1	70.1
54	FOOD STORES	1,046.6	1,046.5	1,091.5	1,085.7	1,085.1
541	Grocery stores	877.8	877.4	916.9	911.9	910.3
542	Meat markets and freezer provisioners	16.3	16.4	17.6	17.6	17.6
546	Retail bakeries	81.7	82.8	85.0	83.8	85.1
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	305.1	305.9	309.2	305.6	307.3
551,2	New and used car dealers	107.0	107.5	108.4	107.8	108.9
553	Auto and home supply stores	46.7	46.4	49.0	46.8	47.6
554	Gasoline service stations	138.3	137.7	138.3	137.6	136.9
56	APPAREL AND ACCESSORY STORES	640.7	641.6	663.7	638.8	646.5
561	Men's and boys' clothing and furnishings	53.8	51.6	54.6	52.2	51.7
562	Women's ready-to-wear stores	296.4	298.2	305.1	294.7	301.1
565	Family clothing stores	130.6	130.3	134.0	128.5	127.7
566	Shoe stores	79.9	80.4	85.9	81.7	83.6
57	FURNITURE AND HOME FURNISHING STORES	200.7	199.0	208.8	205.9	205.6
571	Furniture and home furnishings stores	130.0	128.6	129.3	127.4	127.8
572	Household appliance stores	21.9	22.1	26.7	26.0	25.8
573	Radio, television, and music stores	48.8	48.3	52.8	52.5	52.0
58	EATING AND DRINKING PLACES	2,554.3	2,601.1	2,587.4	2,573.7	2,619.4
59	MISCELLANEOUS RETAIL	1,054.6	1,042.4	1,070.2	1,051.6	1,048.9
591	Drug stores and proprietary stores	312.8	311.5	313.1	306.9	307.4
592	Liquor stores	34.5	34.4	35.1	34.9	33.9
594	Miscellaneous shopping goods stores	368.8	364.8	391.3	376.9	378.5
596	Nonstore retailers	156.1	155.4	153.7	151.7	153.2
598	Fuel and ice dealers	24.4	24.3	24.2	24.1	24.0
599	Retail stores, nec	137.3	131.4	130.6	134.8	129.5
-	FINANCE, INSURANCE, AND REAL ESTATE	3,175	3,183	3,202	3,208	3,224
60	BANKING	1,170.9	1,167.8	1,174.1	1,173.0	1,174.9
602	Commercial and stock savings banks	1,075.8	1,072.7	1,076.5	1,075.1	1,076.4
61	CREDIT AGENCIES OTHER THAN BANKS	400.1	401.5	412.8	414.7	418.5
612	Savings and loan associations	198.5	199.4	214.2	215.2	217.7
614	Personal credit institutions	130.1	130.4	122.9	122.5	123.3
62	SECURITY, COMMODITY BROKERS, AND SERVICES	116.4	117.6	123.8	126.4	129.1
621	Security brokers and dealers	95.0	95.9	99.9	102.2	104.6
63	INSURANCE CARRIERS	750.1	754.4	741.4	738.3	739.6
631	Life insurance	300.5	304.5	297.9	298.4	299.2
632	Medical service and health insurance	102.6	102.9	103.0	103.0	103.3
633	Fire, marine, and casualty insurance	299.7	300.2	290.9	290.2	289.5
64	INSURANCE AGENTS, BROKERS, AND SERVICE	297.6	299.0	301.6	302.1	303.2
65	REAL ESTATE	360.4	362.3	368.2	372.9	377.5
651	Real estate operators and lessors	149.8	151.9	160.3	161.7	163.6
653	Real estate agents and managers	165.0	164.0	162.9	166.0	168.5
655	Subdividers and developers	32.0	32.9	31.7	31.7	31.8
66	COMBINED REAL ESTATE, INSURANCE, ETC	11.0	11.0	10.3	10.2	10.3
67	HOLDING AND OTHER INVESTMENT OFFICES	68.5	69.1	70.1	70.6	70.8
-	SERVICES	11,198	11,255	11,368	11,444	11,548
70	HOTELS AND OTHER LODGING PLACES	578.5	588.5	551.2	559.9	576.0
701	Hotels, motels, and tourist courts	562.4	572.3	535.9	544.8	560.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Feb. 1982	Mar. 1982	Jan. 1983	Feb. 1983	Mar. 1983
72	PERSONAL SERVICES	669.2	661.4	659.3	668.9	671.9
721	Laundry, cleaning, and garment services	218.6	218.1	216.9	213.6	215.3
723	Beauty shops	250.3	252.3	259.2	259.5	261.9
726	Funeral service and crematories	19.3	19.7	21.2	21.5	21.3
73	BUSINESS SERVICES	1,438.6	1,441.9	1,475.1	1,467.9	1,497.1
731	Advertising	77.0	77.9	82.5	82.8	83.1
732	Credit reporting and collection	52.0	52.0	53.6	53.6	54.4
733	Mailing, reproduction, stenographic	66.2	66.5	66.3	66.2	67.7
734	Services to buildings	199.9	199.6	197.9	198.5	200.3
736	Personnel supply services	365.5	366.9	371.7	367.3	386.1
737	Computer and data processing services	171.6	172.9	181.4	185.2	186.4
75	AUTO REPAIR, SERVICES, AND GARAGES	95.6	97.3	100.7	100.7	101.7
753	Automotive repair shops	45.9	47.0	49.6	49.7	50.2
76	MISCELLANEOUS REPAIR SERVICES	57.1	57.2	55.2	54.2	54.2
78	MOTION PICTURES	76.2	79.2	77.2	77.5	79.0
781	Motion picture production and services	26.6	27.8	27.0	27.5	28.1
783	Motion picture theaters	43.2	44.1	44.2	44.1	45.0
79	AMUSEMENT AND RECREATION SERVICES	276.5	289.7	283.3	286.7	297.1
80	HEALTH SERVICES	4,650.8	4,662.7	4,792.0	4,786.5	4,808.8
801	Offices of physicians	629.2	631.5	656.1	654.0	660.3
802	Offices of dentists	321.3	321.7	336.7	336.5	341.0
805	Nursing and personal care facilities	926.1	928.4	956.1	953.8	959.5
806	Hospitals	2,416.6	2,420.9	2,445.8	2,442.6	2,444.0
81	LEGAL SERVICES	385.5	388.7	408.5	411.1	414.1
82	EDUCATIONAL SERVICES	680.5	689.0	653.8	693.5	698.2
821	Elementary and secondary schools	208.3	214.2	218.8	221.6	222.2
822	Colleges and universities	403.7	406.4	366.1	401.3	404.7
83	SOCIAL SERVICES	857.4	863.0	889.0	897.9	907.9
89	MISCELLANEOUS SERVICES	364.6	365.8	360.7	366.3	369.3
891	Engineering and architectural services	127.7	127.9	124.7	125.1	126.0
893	Accounting, auditing, and bookkeeping	177.7	179.5	180.9	185.7	187.4
	GOVERNMENT	7,855	7,911	7,585	7,705	7,746
	FEDERAL GOVERNMENT	872	874	885	887	899
	STATE AND LOCAL GOVERNMENT	6,983	7,037	6,700	6,818	6,847
	State government	1,708.4	1,711.4	1,580.1	1,624.2	1,624.3
	Hospitals	313.6	310.7	305.7	305.4	305.0
	State education	721.9	728.5	673.8	719.3	717.9
	General administration including executive, legislative, and judicial functions	455.7	456.1	392.2	391.7	392.9
	Local government	5,274.3	5,326.0	5,120.0	5,193.5	5,222.4
	Transportation and public utilities	88.6	87.7	88.9	89.1	89.0
	Hospitals	511.9	512.4	519.1	517.9	517.6
	Local education	3,544.9	3,586.9	3,402.4	3,471.0	3,492.1
	General administration including executive, legislative, and judicial functions	945.4	955.4	937.0	940.0	945.4

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	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. p	May p
TOTAL	90,016	89,775	89,450	89,264	89,235	88,938	88,785	88,665	88,886	88,745	88,814	89,087	89,461
GOODS-PRODUCING	24,226	24,001	23,843	23,672	23,530	23,287	23,131	23,061	23,186	23,049	23,030	23,155	23,347
MINING	1,177	1,150	1,125	1,113	1,100	1,082	1,066	1,053	1,037	1,014	1,006	997	1,004
CONSTRUCTION	3,971	3,933	3,916	3,893	3,875	3,847	3,843	3,815	3,905	3,790	3,757	3,785	3,866
MANUFACTURING	19,078	18,918	18,802	18,666	18,555	18,358	18,222	18,193	18,244	18,245	18,267	18,373	18,477
DURABLE GOODS	11,289	11,169	11,095	10,961	10,862	10,685	10,577	10,559	10,594	10,608	10,617	10,691	10,784
Lumber and wood products	602	601	600	601	603	605	608	614	625	631	638	650	661
Furniture and fixtures	434	433	430	433	428	426	427	429	430	427	433	440	444
Stone, clay, and glass products	586	580	578	573	570	565	559	554	557	557	559	565	571
Primary metal industries	947	929	909	890	869	840	823	816	817	810	816	821	837
Fabricated metal products	1,460	1,442	1,432	1,416	1,402	1,378	1,362	1,359	1,364	1,364	1,362	1,369	1,380
Machinery, except electrical	2,350	2,298	2,256	2,213	2,184	2,122	2,088	2,066	2,048	2,042	2,030	2,032	2,060
Electric and electronic equipment	2,033	2,025	2,016	2,008	1,992	1,976	1,975	1,957	1,974	1,981	1,988	2,000	2,007
Transportation equipment	1,766	1,756	1,770	1,733	1,724	1,691	1,661	1,696	1,710	1,729	1,723	1,742	1,752
Instruments and related products	723	720	717	712	710	705	700	695	695	693	691	691	690
Miscellaneous manufacturing ind.	388	385	387	382	380	377	374	373	374	374	377	381	382
NONDURABLE GOODS	7,789	7,749	7,707	7,705	7,693	7,673	7,645	7,634	7,650	7,637	7,650	7,682	7,693
Food and kindred products	1,641	1,635	1,639	1,636	1,633	1,636	1,632	1,626	1,626	1,620	1,619	1,631	1,627
Tobacco manufactures	68	68	67	67	66	66	63	69	69	67	67	66	66
Textile mill products	758	744	741	736	734	733	727	727	726	726	730	733	736
Apparel and other textile products	1,170	1,167	1,141	1,151	1,149	1,148	1,141	1,140	1,150	1,148	1,143	1,147	1,149
Paper and allied products	664	661	660	657	659	653	654	653	653	652	652	653	656
Printing and publishing	1,272	1,268	1,266	1,267	1,266	1,265	1,263	1,263	1,266	1,264	1,269	1,274	1,277
Chemicals and allied products	1,084	1,079	1,073	1,074	1,070	1,066	1,064	1,059	1,057	1,056	1,056	1,057	1,055
Petroleum and coal products	201	200	200	200	202	201	200	199	200	199	199	199	197
Rubber and misc. plastic products	708	705	700	698	696	689	685	685	688	691	699	707	716
Leather and leather products	223	222	220	219	218	216	216	213	215	214	216	215	214
SERVICE-PRODUCING	65,790	65,774	65,607	65,592	65,705	65,651	65,654	65,604	65,700	65,696	65,784	65,932	66,114
TRANSPORTATION AND PUBLIC UTILITIES	5,117	5,099	5,075	5,056	5,054	5,033	5,019	5,008	4,980	4,965	4,963	4,988	4,994
WHOLESALE AND RETAIL TRADE	20,454	20,454	20,438	20,410	20,380	20,344	20,320	20,256	20,355	20,343	20,350	20,317	20,344
WHOLESALE TRADE	5,311	5,293	5,279	5,265	5,252	5,237	5,212	5,192	5,185	5,181	5,176	5,177	5,184
RETAIL TRADE	15,143	15,161	15,159	15,145	15,128	15,107	15,108	15,064	15,170	15,162	15,174	15,140	15,160
FINANCE, INSURANCE, AND REAL ESTATE	5,331	5,339	5,342	5,344	5,351	5,350	5,356	5,367	5,374	5,384	5,391	5,417	5,418
SERVICES	19,020	19,046	19,083	19,097	19,136	19,144	19,187	19,215	19,238	19,262	19,356	19,484	19,603
GOVERNMENT	15,868	15,836	15,669	15,685	15,784	15,780	15,772	15,758	15,753	15,742	15,724	15,726	15,755
FEDERAL	2,731	2,738	2,737	2,739	2,735	2,742	2,746	2,747	2,748	2,742	2,742	2,749	2,749
STATE AND LOCAL	13,137	13,098	12,932	12,946	13,049	13,038	13,026	13,011	13,005	13,000	12,982	12,977	13,006

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	1982											1983		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	
TOTAL	39,082	39,066	39,118	39,037	38,896	38,920	38,952	38,907	38,884	38,847	38,956	38,977	39,048	
GOODS-PRODUCING	6,643	6,603	6,583	6,535	6,497	6,477	6,438	6,390	6,353	6,336	6,376	6,376	6,390	
MINING	140	142	140	137	135	134	134	132	130	129	129	128	127	
CONSTRUCTION	377	381	380	377	377	376	376	375	375	377	379	379	380	
MANUFACTURING	6,126	6,080	6,063	6,021	5,985	5,967	5,928	5,883	5,848	5,830	5,868	5,869	5,883	
DURABLE GOODS	2,915	2,888	2,877	2,852	2,841	2,815	2,787	2,748	2,729	2,717	2,732	2,738	2,748	
Lumber and wood products	91	90	91	90	90	90	90	90	91	92	93	94	95	
Furnitures and fixtures	132	131	131	130	129	130	129	128	129	128	130	129	131	
Stone, clay, and glass products	119	117	116	115	115	113	113	111	109	108	108	107	108	
Primary metal industries	110	108	107	105	104	102	100	97	94	94	95	96	96	
Fabricated metal products	311	307	305	303	301	300	297	292	290	291	292	295	296	
Machinery, except electrical	498	495	493	486	479	473	468	458	453	450	447	445	443	
Electric and electronic equipment	870	864	862	856	851	847	836	827	826	814	822	826	831	
Transportation equipment	294	290	289	287	290	285	282	279	275	280	283	286	287	
Instruments and related products	308	307	306	304	304	301	299	296	294	292	292	291	291	
Miscellaneous manufacturing ind.	182	179	177	176	178	174	173	170	168	168	169	169	170	
NONDURABLE GOODS	3,211	3,192	3,186	3,169	3,144	3,152	3,141	3,135	3,119	3,113	3,136	3,131	3,135	
Food and kindred products	497	493	495	494	498	497	496	499	497	495	499	498	497	
Tobacco manufactures	25	24	24	24	24	24	23	23	22	24	24	23	23	
Textile mill products	363	367	362	355	354	351	350	350	347	346	346	345	348	
Apparel and other textile products	958	944	942	939	917	928	926	926	921	917	932	928	924	
Paper and allied products	156	154	154	152	152	151	151	150	150	150	150	149	150	
Printing and publishing	516	516	516	515	513	514	514	512	511	512	513	513	515	
Chemicals and allied products	284	283	282	281	280	280	279	277	276	275	274	275	275	
Petroleum and coal products	32	32	31	31	31	31	31	31	31	31	31	31	31	
Rubber and misc. plastics products	245	245	246	245	244	245	241	238	235	236	238	241	244	
Leather and leather products	135	134	134	133	131	131	130	129	129	127	129	128	128	
SERVICE-PRODUCING	32,439	32,463	32,535	32,502	32,399	32,443	32,514	32,517	32,531	32,511	32,580	32,601	32,658	
TRANSPORTATION AND PUBLIC UTILITIES	1,339	1,340	1,344	1,339	1,337	1,334	1,335	1,332	1,330	1,331	1,329	1,328	1,328	
WHOLESALE AND RETAIL TRADE ..	9,030	9,042	9,064	9,063	9,074	9,061	9,049	9,045	9,033	8,997	9,063	9,068	9,088	
WHOLESALE TRADE	1,403	1,403	1,403	1,399	1,397	1,393	1,389	1,387	1,380	1,378	1,374	1,375	1,372	
RETAIL TRADE	7,627	7,639	7,661	7,664	7,677	7,668	7,660	7,658	7,653	7,619	7,689	7,693	7,716	
FINANCE, INSURANCE, AND REAL ESTATE	3,188	3,190	3,195	3,201	3,200	3,201	3,206	3,203	3,207	3,212	3,218	3,220	3,227	
SERVICES	11,244	11,264	11,287	11,306	11,336	11,351	11,394	11,410	11,431	11,456	11,474	11,500	11,536	
GOVERNMENT	7,638	7,627	7,645	7,593	7,452	7,496	7,530	7,527	7,530	7,515	7,496	7,485	7,479	
FEDERAL	877	876	878	882	884	886	889	887	894	894	892	891	902	
STATE AND LOCAL	6,761	6,751	6,767	6,711	6,568	6,610	6,641	6,640	6,636	6,621	6,604	6,594	6,577	

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	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P
TOTAL PRIVATE	59,903	59,716	59,568	59,367	59,247	58,988	58,850	58,764	58,938	58,803	53,889	59,130	59,498
GOODS-PRODUCING	16,902	16,704	16,578	16,430	16,307	16,095	15,961	15,908	16,019	15,900	15,881	16,018	16,218
MINING	862	837	814	804	792	776	763	750	736	715	707	703	710
CONSTRUCTION	3,060	3,024	3,013	2,992	2,973	2,951	2,946	2,917	2,992	2,882	2,851	2,879	2,957
MANUFACTURING	12,980	12,843	12,751	12,634	12,542	12,368	12,252	12,241	12,291	12,303	12,323	12,436	12,551
DURABLE GOODS	7,511	7,408	7,350	7,234	7,150	6,992	6,900	6,892	6,931	6,949	6,961	7,035	7,131
Lumber and wood products	492	491	491	491	493	495	500	506	515	522	529	539	549
Furniture and fixtures	343	342	339	342	338	336	337	338	339	337	342	348	352
Stone, clay, and glass products	444	438	437	434	432	427	422	418	421	421	423	429	436
Primary metal industries	704	689	672	658	640	615	601	596	598	595	601	608	623
Fabricated metal products	1,054	1,039	1,031	1,018	1,008	988	975	973	981	983	982	987	999
Machinery, except electrical	1,438	1,396	1,358	1,321	1,297	1,243	1,215	1,199	1,186	1,179	1,171	1,174	1,202
Electric and electronic equipment	1,233	1,226	1,215	1,206	1,193	1,180	1,178	1,161	1,182	1,187	1,193	1,206	1,217
Transportation equipment	1,105	1,095	1,116	1,082	1,072	1,039	1,010	1,044	1,055	1,073	1,066	1,085	1,091
Instruments and related products	417	413	411	407	404	398	394	390	387	385	384	385	387
Miscellaneous manufacturing ind.	281	279	280	275	273	271	268	267	267	267	270	274	275
NONDURABLE GOODS	5,469	5,435	5,401	5,400	5,392	5,376	5,352	5,349	5,360	5,354	5,362	5,401	5,420
Food and kindred products	1,128	1,124	1,129	1,126	1,123	1,127	1,123	1,119	1,119	1,115	1,114	1,126	1,122
Tobacco manufactures	54	53	52	53	51	51	48	54	54	52	52	53	51
Textile mill products	649	636	634	630	628	629	623	623	622	622	627	631	634
Apparel and other textile products	989	986	963	972	971	968	962	963	973	970	965	971	974
Paper and allied products	495	492	491	489	492	486	487	486	486	486	486	488	492
Printing and publishing	700	698	696	696	696	696	694	695	694	694	694	699	701
Chemicals and allied products	604	600	596	597	595	593	592	589	588	587	585	587	589
Petroleum and coal products	120	119	119	119	122	120	120	119	120	121	122	122	122
Rubber and misc. plastics products	543	541	537	535	532	526	523	524	525	529	538	546	556
Leather and leather products	187	186	184	183	182	180	180	177	179	178	179	178	179
SERVICE-PRODUCING	43,001	43,012	42,990	42,937	42,940	42,893	42,889	42,856	42,919	42,903	43,008	43,112	43,280
TRANSPORTATION AND PUBLIC UTILITIES	4,223	4,208	4,189	4,168	4,171	4,149	4,135	4,125	4,102	4,089	4,086	4,103	4,111
WHOLESALE AND RETAIL TRADE ..	17,893	17,890	17,868	17,833	17,800	17,764	17,738	17,689	17,774	17,769	17,776	17,733	17,770
WHOLESALE TRADE	4,298	4,280	4,268	4,252	4,240	4,225	4,201	4,183	4,171	4,166	4,156	4,159	4,169
RETAIL TRADE	13,595	13,610	13,600	13,581	13,560	13,539	13,537	13,506	13,603	13,603	13,620	13,574	13,601
FINANCE, INSURANCE, AND REAL ESTATE	3,988	3,999	3,994	3,990	3,994	3,990	3,993	3,997	3,998	4,003	4,012	4,035	4,032
SERVICES	16,897	16,915	16,939	16,946	16,975	16,990	17,023	17,045	17,045	17,042	17,134	17,241	17,367

¹ 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

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1981.....	57.8	52.4	52.2	65.6	60.2	58.9	62.6	49.5	42.2	33.3	29.3	30.9
	1982.....	28.5	45.4	36.0	39.0	47.6	32.8	38.4	37.1	34.1	29.3	32.0	42.2
	1983.....	56.5	45.7	62.4	68.8 _p	69.9 _p							
Over 3-month span	1981.....	58.3	54.6	59.1	65.9	67.5	66.7	60.5	50.5	33.3	30.1	24.5	23.4
	1982.....	25.3	28.8	32.0	34.1	32.5	33.6	27.2	27.2	26.1	25.5	24.7	40.6
	1983.....	45.4	55.1	65.1 _p	75.8 _p								
Over 6-month span	1981.....	68.5	65.3	63.7	69.4	64.2	58.6	45.7	34.4	29.6	24.2	25.0	22.0
	1982.....	20.2	23.7	25.3	29.8	26.1	26.1	23.4	19.1	21.2	26.1	26.6	35.8
	1983.....	50.3 _p	64.0 _p										
Over 12-month span	1981.....	74.5	71.2	70.4	58.1	47.6	41.4	34.9	29.8	27.4	23.7	25.3	23.1
	1982.....	22.0	20.7	18.0	19.4	18.3	20.7	20.7	22.8	24.2	32.5 _p	37.9 _p	
	1983.....												

¹ Number of employees, seasonally adjusted for 1, 3, and 6 month spans, on payrolls of 186 private nonagricultural industries.
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 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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
1 ALABAMA	1,326.8	1,303.9	1,309.2	17.3	14.6	14.5	56.4	58.3	58.7	345.4	326.5	328.8
2 Birmingham	341.5	330.7	332.8	9.0	7.4	7.3	16.9	16.5	17.0	56.6	48.4	48.8
3 Huntsville	124.9	126.9	128.2	(1)	(1)	(1)	3.6	3.5	3.7	37.1	38.8	39.2
4 Mobile	149.0	145.7	145.9	(1)	(1)	(1)	9.1	9.5	9.5	28.9	26.4	26.1
5 Montgomery	104.3	103.2	103.3	(1)	(1)	(1)	5.1	5.2	5.4	15.4	14.5	14.4
6 Tuscaloosa	50.7	49.1	49.4	2.6	1.7	1.7	1.9	2.0	2.0	7.5	7.5	7.6
7 ALASKA	187.8	198.0	203.9	8.8	9.5	9.9	13.1	13.1	15.1	9.4	9.2	9.5
8 ARIZONA	1,046.0	1,043.1	1,043.3	21.9	15.7	15.7	64.5	67.2	67.9	155.9	148.8	149.5
9 Phoenix	662.6	663.7	663.0	.4	.6	.6	44.2	45.8	46.2	112.7	106.9	107.3
10 Tucson	193.7	195.0	195.4	6.0	3.7	3.7	11.3	12.6	12.8	25.9	25.9	26.1
11 ARKANSAS	724.9	719.6	728.6	6.3	5.5	5.5	29.4	28.8	29.5	198.5	192.7	197.7
12 Fayetteville—Springdale	66.0	65.5	66.3	(1)	(1)	(1)	2.2	2.1	2.2	19.7	18.1	18.4
13 Fort Smith	65.9	64.5	66.2	1.3	1.1	1.1	2.5	2.2	2.4	20.3	20.0	21.5
14 Little Rock—North Little Rock	176.4	177.1	178.1	(1)	(1)	(1)	8.1	8.3	8.5	27.4	25.0	25.3
15 Pine Bluff	29.8	28.9	28.9	(1)	(1)	(1)	1.2	1.0	1.0	5.9	5.6	5.5
16 CALIFORNIA	9,838.0	9,738.5	9,788.6	49.7	47.6	47.6	363.2	338.4	350.3	1,940.6	1,859.8	1,866.5
17 Anaheim—Santa Ana—Garden Grove	856.4	835.4	838.1	3.8	3.2	3.2	39.6	31.6	31.3	216.4	207.9	207.9
18 Bakersfield	138.9	137.6	137.6	14.2	14.2	14.1	7.0	6.7	6.5	10.2	9.5	9.5
19 Fresno	174.9	173.1	173.4	1.0	1.0	1.0	8.1	7.5	7.7	20.8	20.1	20.4
20 Los Angeles—Long Beach	3,574.3	3,560.7	3,565.7	14.7	14.3	14.2	106.1	92.7	95.0	872.9	846.7	846.7
21 Modesto	84.3	82.9	83.7	.1	.1	.1	3.7	3.4	3.6	17.8	16.7	17.4
22 Oxnard—Simi Valley—Ventura	160.0	162.1	162.4	3.2	2.9	3.0	5.5	5.2	5.2	26.3	25.8	26.0
23 Riverside—San Bernardino—Ontario	437.0	433.3	433.8	1.8	1.0	1.0	19.4	19.1	19.2	61.1	56.7	57.2
24 Sacramento	403.3	405.1	405.2	.8	.8	.8	13.7	14.4	15.3	25.7	25.4	25.4
25 Salinas—Seaside—Monterey	90.1	88.7	85.4	.4	.4	.4	3.2	2.9	3.0	8.9	8.6	8.9
26 San Diego	667.4	656.3	658.4	.5	.5	.5	29.5	24.0	24.5	109.5	103.0	102.4
27 San Francisco—Oakland	1,562.8	1,548.7	1,554.4	4.3	4.4	4.4	70.2	65.8	68.7	191.6	186.2	185.7
28 San Jose	690.4	687.1	689.0	.1	.1	.1	20.2	20.2	20.9	254.4	251.7	251.4
29 Santa Barbara—Santa Maria—Lompoc	124.7	124.5	124.7	1.6	1.4	1.4	4.8	4.3	4.4	17.8	18.6	18.7
30 Santa Rosa	93.9	94.5	94.8	.5	.5	.5	4.2	4.1	4.2	15.2	15.0	14.8
31 Stockton	115.8	115.6	115.7	.1	.1	.1	4.5	4.3	4.6	19.6	18.4	18.7
32 Vallejo—Fairfield—Napa	102.3	100.2	101.5	.5	.5	.5	4.2	3.6	4.1	11.1	9.9	9.8
33 COLORADO	1,314.6	1,310.8	1,313.3	44.5	38.6	38.4	79.7	75.0	76.9	184.8	176.5	176.7
34 Denver—Boulder	845.3	842.4	846.6	29.1	28.0	28.0	68.1	64.9	65.9	128.7	123.0	123.3
35 CONNECTICUT	1,424.5	1,407.7	1,419.7	(2)	(2)	(2)	47.5	42.7	46.5	423.4	402.1	402.8
36 Bridgeport	167.8	162.1	163.6	(2)	(2)	(2)	4.6	4.4	4.9	61.8	57.7	57.9
37 Hartford	397.6	394.1	395.7	(2)	(2)	(2)	10.9	9.3	10.3	93.4	87.6	87.1
38 New Britain	61.3	58.8	59.4	(2)	(2)	(2)	1.9	1.6	1.8	26.8	24.5	24.7
39 New Haven—West Haven	187.3	182.9	183.7	(2)	(2)	(2)	6.2	5.4	5.8	40.4	38.2	38.0
40 Stamford	113.1	114.1	114.7	(2)	(2)	(2)	5.1	4.8	4.9	32.2	32.1	32.4
41 Waterbury	84.8	82.7	83.8	(2)	(2)	(2)	2.5	2.4	2.6	30.0	28.0	28.3
42 DELAWARE	258.3	254.7	258.3	(1)	(1)	(1)	14.9	14.3	15.8	69.7	67.1	67.2
43 Wilmington	232.9	227.5	230.0	(1)	(1)	(1)	17.8	17.2	18.2	63.9	59.7	59.6
44 DISTRICT OF COLUMBIA	594.8	591.1	594.0	(1)	(1)	(1)	10.6	9.9	9.9	13.5	13.4	13.5
45 Washington SMSA	1,583.8	1,593.5	1,601.2	(1)	(1)	(1)	65.8	64.7	66.3	58.8	61.5	62.0
46 FLORIDA	3,796.1	3,854.5	3,853.6	10.0	9.1	9.1	257.6	236.4	236.3	464.5	463.1	460.9
47 Daytona Beach	85.5	85.2	84.5	-	-	-	4.7	3.9	3.9	8.9	9.6	9.6
48 Fort Lauderdale—Hollywood	369.6	364.9	362.5	(1)	(1)	(1)	25.6	24.2	23.7	41.4	38.6	38.9
49 Fort Myers—Cape Coral	76.1	78.0	78.5	(1)	(1)	(1)	8.5	9.1	9.1	4.2	4.1	4.1
50 Gainesville	69.8	69.3	69.2	(1)	(1)	(1)	3.5	3.7	3.8	4.2	4.0	4.0
51 Jacksonville	307.4	311.3	312.3	(1)	(1)	(1)	18.6	19.0	19.1	33.7	31.6	31.4
52 Lakeland—Winter Haven	122.3	119.8	119.1	4.7	4.1	4.1	8.5	6.7	6.5	21.1	20.6	20.2
53 Melbourne—Titusville—Cocoa	109.3	111.5	111.7	(1)	(1)	(1)	5.8	5.8	5.8	24.1	24.2	24.0
54 Miami	742.0	736.9	736.7	(1)	(1)	(1)	37.7	33.1	33.2	96.5	95.4	96.5
55 Orlando	318.7	334.8	336.0	(1)	(1)	(1)	23.8	25.3	25.3	39.4	39.0	38.4
56 Pensacola	102.4	104.9	104.1	(1)	(1)	(1)	7.0	8.4	8.8	12.5	12.5	12.5
57 Sarasota	77.3	76.2	77.4	(1)	(1)	(1)	7.5	6.2	6.6	6.0	5.6	5.8
58 Tallahassee	75.2	75.1	75.8	(1)	(1)	(1)	3.5	3.4	3.4	3.1	3.2	3.2
59 Tampa—St. Petersburg	595.1	603.7	604.1	(1)	(1)	(1)	49.8	39.5	40.2	79.1	79.2	79.3
60 West Palm Beach—Boca Raton	228.4	231.3	228.9	(1)	(1)	(1)	19.1	15.8	15.7	28.2	29.0	28.8

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. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 P	
71.9	70.0	70.2	267.8	264.5	266.0	58.7	58.5	58.7	216.7	219.3	219.9	292.6	292.2	292.4	1
29.5	29.2	29.3	79.8	77.7	78.1	23.2	23.4	23.6	71.3	73.1	73.7	55.2	55.0	55.0	2
2.7	2.7	2.7	22.3	22.4	22.6	3.5	3.5	3.5	20.1	20.5	20.9	35.0	35.5	35.6	3
10.5	9.9	10.0	36.6	36.2	36.6	7.1	6.8	6.7	31.3	31.0	31.0	25.5	25.9	26.0	4
4.4	4.4	4.4	23.0	23.2	23.1	6.1	6.2	6.1	20.8	20.7	20.9	29.5	29.0	29.0	5
1.8	1.7	1.7	10.2	10.0	10.0	1.6	1.6	1.6	6.8	6.4	6.5	18.3	18.2	18.3	6
17.5	18.6	18.8	34.0	37.9	38.8	9.2	9.6	9.8	34.2	36.0	37.2	61.6	64.1	64.8	7
56.3	55.9	56.1	255.4	256.8	256.4	62.0	61.9	62.0	223.5	225.9	226.6	206.5	210.9	209.1	8
35.4	35.1	35.2	170.2	171.6	171.0	48.5	48.1	48.1	147.5	150.3	150.6	103.7	105.3	104.0	9
9.0	8.7	8.8	43.6	43.1	43.2	8.5	8.8	8.8	43.9	44.8	44.7	45.5	47.4	47.3	10
42.1	41.5	41.5	157.8	155.9	157.6	32.2	31.9	32.3	118.6	120.5	121.7	140.0	142.8	142.8	11
3.9	4.3	4.4	16.0	16.1	16.2	2.3	2.3	2.4	9.6	9.7	9.8	12.3	12.9	12.9	12
3.5	3.5	3.5	14.4	13.9	13.9	2.5	2.5	2.5	12.0	12.1	12.1	9.4	9.2	9.2	13
12.9	13.2	13.2	41.1	42.5	43.0	13.1	13.3	13.3	36.4	37.7	37.7	37.4	37.1	37.1	14
3.7	3.2	3.2	5.7	5.6	5.6	1.3	1.2	1.3	5.4	5.6	5.6	6.6	6.7	6.7	15
541.1	530.5	532.5	2,252.4	2,244.3	2,264.3	644.5	645.9	647.4	2,276.7	2,315.5	2,328.1	1,769.8	1,756.5	1,751.7	16
30.1	28.4	28.3	208.3	204.9	207.5	61.1	59.8	59.7	189.3	193.7	194.0	107.8	105.9	106.2	17
7.9	7.6	7.7	34.9	35.3	35.4	5.3	5.4	5.4	25.6	25.5	25.6	33.8	33.4	33.4	18
10.2	10.2	10.2	44.7	44.4	44.5	11.2	11.3	11.5	37.3	36.9	36.8	41.6	41.7	41.3	19
195.6	193.9	194.7	805.3	807.9	810.9	237.9	238.6	239.5	868.2	889.7	894.5	473.6	476.9	470.2	20
3.9	4.2	4.2	20.9	21.5	21.3	3.4	3.4	3.4	17.4	17.4	17.5	17.1	16.2	16.2	21
6.7	6.5	6.5	38.1	39.4	39.6	9.2	10.4	10.4	32.8	33.6	33.6	38.2	38.3	38.1	22
25.4	24.9	25.0	107.7	108.9	109.0	19.3	18.8	18.8	97.8	99.0	98.9	104.5	104.9	104.7	23
21.9	21.4	21.6	92.2	94.7	94.7	22.8	22.6	22.6	80.2	80.8	80.6	146.0	145.0	144.2	24
4.7	4.6	4.6	23.2	23.2	23.3	4.2	4.3	4.3	20.6	20.7	20.7	24.9	24.0	24.2	25
29.7	29.0	29.0	153.5	153.6	154.7	41.8	41.8	41.9	160.0	162.8	163.8	142.9	141.6	141.6	26
127.2	121.9	122.2	353.9	352.2	353.6	153.7	153.5	153.6	372.0	378.8	380.0	289.9	289.9	286.2	27
22.5	21.1	21.5	124.9	126.3	126.9	28.4	28.6	28.7	157.8	159.3	159.7	82.1	79.8	79.8	28
5.5	5.3	5.3	29.5	29.3	29.3	6.1	6.3	6.3	34.3	34.7	34.7	25.1	24.6	24.6	29
4.7	4.5	4.7	22.8	23.1	23.1	6.0	6.1	6.1	20.2	21.0	21.2	20.3	20.2	20.2	30
7.5	7.6	7.5	25.7	26.9	26.6	6.0	6.2	6.2	24.5	24.6	24.6	27.9	27.5	27.4	31
4.4	4.3	4.5	21.9	22.2	22.5	3.5	3.5	3.5	21.1	20.6	20.5	35.6	35.6	35.7	32
85.1	83.2	83.1	317.8	321.9	322.8	82.8	85.0	85.2	277.2	283.5	284.1	242.8	247.0	246.0	33
60.5	60.5	60.6	199.5	201.1	202.0	59.5	61.2	61.5	183.9	185.8	187.7	136.0	137.9	137.6	34
61.8	59.5	59.7	298.2	300.8	303.7	111.9	114.4	115.2	298.7	302.6	305.5	183.0	185.6	185.5	35
6.4	6.5	6.4	34.5	33.9	34.1	7.8	7.6	7.7	36.2	35.6	36.1	16.5	16.4	16.5	36
13.5	13.7	13.7	81.6	82.6	82.8	64.8	65.9	66.0	80.5	81.8	82.8	52.9	53.2	53.0	37
3.4	3.6	3.7	10.1	9.5	9.9	1.9	1.8	1.8	10.5	10.9	11.0	6.7	6.5	6.5	38
15.7	14.7	14.9	43.7	39.8	40.1	11.0	11.0	11.0	49.5	49.8	50.2	23.4	24.0	23.7	39
4.5	4.5	4.6	25.5	26.1	26.0	9.0	9.3	9.4	26.7	27.0	27.1	10.1	10.3	10.3	40
3.3	3.4	3.4	15.7	15.8	16.0	3.8	3.8	3.9	18.6	18.2	18.5	10.9	11.1	11.1	41
11.6	11.3	11.0	54.7	54.4	56.1	13.4	13.3	13.4	49.4	49.9	50.7	44.7	44.3	44.1	42
11.3	11.0	10.8	46.7	46.3	47.3	12.4	12.2	12.3	45.0	45.2	46.0	35.8	35.8	35.8	43
25.8	25.3	25.5	60.0	58.5	58.8	33.0	33.0	33.0	193.7	192.3	193.8	258.2	258.7	259.5	44
73.2	73.1	73.6	299.6	299.4	300.6	90.0	90.6	90.9	467.2	473.2	476.2	529.2	531.0	531.6	45
229.1	235.1	235.3	1,003.4	1,028.3	1,027.1	281.1	287.6	290.9	906.0	950.2	944.4	644.4	644.7	649.6	46
3.3	3.3	3.2	24.2	24.1	23.7	5.0	5.3	5.3	23.9	23.4	23.2	15.5	15.6	15.6	47
18.5	18.2	18.1	111.8	109.4	109.1	32.4	32.5	32.3	91.3	93.9	92.2	48.6	48.1	48.2	48
4.2	4.2	4.2	22.7	23.2	23.4	7.0	6.9	7.0	17.4	17.9	18.1	12.1	12.6	12.6	49
1.6	1.6	1.6	14.5	13.9	13.6	3.0	3.0	3.0	14.1	14.6	14.5	28.9	28.5	28.7	50
24.9	24.8	25.0	79.6	81.8	82.0	28.1	28.1	28.1	69.5	72.3	72.8	53.0	53.7	53.9	51
5.3	5.0	5.1	30.1	30.4	30.5	9.5	10.0	10.1	25.7	26.1	25.7	17.4	16.9	16.9	52
4.9	4.9	4.9	23.9	25.8	26.1	4.2	4.1	4.2	27.5	27.7	27.7	18.9	19.0	19.0	53
73.1	71.5	71.2	195.7	195.6	194.4	59.4	58.3	58.4	184.5	186.3	185.8	95.1	96.7	97.2	54
15.6	15.5	15.5	87.4	94.0	94.4	21.2	20.6	20.7	87.2	93.1	93.5	44.1	47.3	47.8	55
5.3	5.4	5.4	24.3	24.4	24.7	4.3	4.5	4.5	22.6	22.9	21.7	26.4	26.8	26.5	56
3.2	3.5	3.5	23.9	23.5	23.4	6.5	6.7	6.8	19.9	20.6	21.2	10.3	10.3	10.1	57
2.6	2.5	2.5	16.1	15.1	15.0	3.5	3.6	3.7	14.0	14.6	14.8	32.4	32.7	33.2	58
33.3	33.6	33.6	164.6	163.8	163.5	43.1	44.3	44.5	149.1	154.8	154.6	85.1	88.5	88.4	59
10.0	10.2	10.4	60.7	61.5	60.5	19.8	19.9	19.9	58.8	62.0	60.6	31.8	32.9	33.0	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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
1	GEORGIA	2,204.7	2,209.2	2,227.1	7.4	7.2	7.3	104.2	94.6	98.2	505.0	495.1	497.0
2	Albany	44.4	43.3	44.1	(1)	(1)	(1)	1.9	1.7	1.7	11.8	11.5	11.5
3	Athens	53.1	53.3	53.3	-	-	-	1.5	1.4	1.5	14.3	14.0	13.8
4	Atlanta	1,008.2	1,019.2	1,023.4	(1)	(1)	(1)	44.3	43.3	43.9	144.3	139.2	139.2
5	Augusta	123.0	123.2	123.7	(1)	(1)	(1)	5.4	5.4	5.5	34.0	33.7	33.3
6	Columbus	79.7	77.9	78.0	(1)	(1)	(1)	3.7	3.3	3.3	20.0	19.7	19.9
7	Macon	95.8	98.6	98.5	(1)	(1)	(1)	4.3	3.2	3.3	16.2	16.2	16.4
8	Savannah	89.6	88.0	89.1	(1)	(1)	(1)	5.6	4.8	5.0	16.6	16.1	16.0
9	HAWAII	401.5	400.2	400.3	-	-	-	18.2	17.0	16.9	22.2	21.4	21.3
10	Honolulu	327.6	326.5	326.9	-	-	-	14.6	13.6	13.6	16.1	15.3	15.5
11	IDAHO	309.2	309.0	313.0	3.9	3.6	3.7	12.6	12.1	13.0	45.8	46.8	47.9
12	Boise City	76.1	75.9	76.5	(1)	(1)	(1)	5.2	4.5	4.6	8.4	8.6	8.6
13	ILLINOIS	4,607.1	4,462.5	4,472.1	28.2	25.8	26.4	147.2	133.4	136.9	1,349.5	945.5	946.4
14	Bloomington—Normal	49.9	50.0	49.4	(2)	(2)	(2)	1.2	.9	.9	5.5	5.6	5.3
15	Champaign—Urbana—Rantoul	77.0	74.8	74.5	(2)	(2)	(2)	1.7	1.6	1.6	6.9	6.8	6.7
16	Chicago—Gary	3,320.9	3,242.6	3,247.8	2.9	3.0	3.1	106.9	100.5	107.9	783.6	725.8	723.6
17	Chicago SMSA ¹	3,090.2	3,022.2	3,026.9	2.8	2.9	3.0	95.8	89.9	96.9	702.9	654.8	652.9
18	Davenport—Rock Island—Moline	155.6	145.8	147.3	(2)	(2)	(2)	6.3	5.2	5.4	44.3	37.9	38.9
19	Decatur	55.0	49.2	49.0	(2)	(2)	(2)	2.1	1.9	2.0	19.8	14.7	14.8
20	Kankakee	33.0	30.5	30.1	(2)	(2)	(2)	1.5	1.1	1.1	7.6	6.3	5.9
21	Peoria	142.5	118.9	118.7	(2)	(2)	(2)	6.6	5.4	5.6	44.3	25.1	24.7
22	Rockford	109.7	103.5	103.7	(2)	(2)	(2)	2.7	2.4	2.4	42.9	39.2	39.2
23	Springfield	87.0	83.6	83.7	(2)	(2)	(2)	3.5	2.1	2.3	6.2	4.7	4.6
24	INDIANA	2,025.3	1,953.0	1,971.0	10.5	9.2	9.4	79.5	65.5	67.4	598.5	549.6	553.0
25	Anderson	42.2	42.3	42.9	(1)	(1)	(1)	.9	.9	1.0	16.5	16.5	16.8
26	Elkhart	68.3	70.0	72.1	(1)	(1)	(1)	1.5	1.4	1.5	34.9	36.4	37.8
27	Evansville	123.9	116.1	117.4	2.9	2.7	2.7	5.5	5.3	5.6	35.3	28.4	28.6
28	Fort Wayne	160.8	154.8	156.0	(1)	(1)	(1)	5.1	4.4	4.9	49.1	45.3	45.5
29	Gary—Hammond—East Chicago	239.7	220.4	220.9	(1)	(1)	(1)	11.1	10.6	11.0	80.7	71.0	70.7
30	Indianapolis	506.7	494.7	500.2	(1)	(1)	(1)	18.6	17.2	18.5	114.2	105.4	106.2
31	Lafayette—West Lafayette	57.3	55.3	56.0	(1)	(1)	(1)	1.9	1.4	1.5	10.7	10.0	10.1
32	Muncie	46.5	44.5	45.2	(1)	(1)	(1)	1.2	1.0	1.0	10.7	9.9	10.0
33	South Bend	137.0	134.2	135.0	(1)	(1)	(1)	3.5	3.1	3.4	29.4	27.4	27.5
34	Terre Haute	60.4	57.2	57.6	1.4	1.1	1.1	2.7	2.4	2.6	13.8	12.6	12.5
35	IOWA	1,041.7	1,005.8	1,012.4	1.7	1.5	1.6	33.1	24.8	27.0	214.1	194.5	196.0
36	Cedar Rapids	77.2	73.0	72.9	(1)	(1)	(1)	2.2	1.7	1.8	23.8	21.4	21.3
37	Des Moines	171.2	166.3	165.8	(1)	(1)	(1)	5.2	3.8	3.9	21.1	19.2	19.0
38	Dubuque	38.7	36.0	36.6	(1)	(1)	(1)	1.0	.9	1.0	12.0	9.5	10.4
39	Sioux City	46.5	45.9	45.7	(1)	(1)	(1)	1.7	1.3	1.4	8.5	8.9	9.0
40	Waterloo—Cedar Falls	60.9	55.6	55.6	(1)	(1)	(1)	1.5	1.1	1.2	20.4	17.0	16.9
41	KANSAS	932.6	898.4	905.9	19.8	17.0	16.8	39.2	32.4	33.3	172.2	154.5	157.0
42	Lawrence	28.0	27.4	27.5	(2)	(2)	(2)	.6	.6	.6	4.5	4.2	4.2
43	Topeka	84.5	83.3	83.7	(2)	(2)	(2)	2.9	3.0	3.0	9.8	9.1	9.2
44	Wichita	197.4	187.4	189.6	3.8	3.4	3.3	8.5	6.9	6.9	55.8	49.2	50.2
45	KENTUCKY	1,176.5	1,151.6	1,161.3	56.3	50.9	51.2	48.6	45.9	46.2	249.7	241.0	244.3
46	Lexington—Fayette	143.7	140.3	141.3	(1)	(1)	(1)	6.1	5.1	5.0	26.8	25.1	25.3
47	Louisville	369.4	360.6	363.9	(1)	(1)	(1)	15.3	13.8	15.3	87.8	83.8	83.9
48	Owensboro	30.3	29.5	29.6	1.0	1.0	1.0	1.5	1.4	1.5	6.2	5.7	5.6
49	LOUISIANA	1,624.0	1,588.4	1,590.2	100.8	93.5	93.1	124.3	115.4	116.2	208.1	192.4	191.7
50	Alexandria	53.3	53.9	54.3	(1)	(1)	(1)	3.5	3.2	3.4	5.3	5.2	5.2
51	Baton Rouge	207.6	207.9	207.8	1.7	1.5	1.5	22.4	21.8	21.4	26.0	24.7	24.5
52	Lafayette	97.2	99.6	98.0	20.1	19.7	18.7	6.3	6.2	6.2	5.1	5.4	5.4
53	Lake Charles	65.5	61.1	62.3	2.7	2.4	2.4	7.3	4.9	5.5	11.2	10.1	10.0
54	Monroe	51.5	51.9	51.8	.7	.5	.5	3.1	3.4	3.6	7.4	7.4	7.2
55	New Orleans	519.6	509.0	506.7	21.0	20.8	20.6	30.9	30.3	30.0	48.2	44.8	44.3
56	Shreveport	151.8	144.1	144.4	7.8	7.5	7.5	8.3	7.1	6.9	26.8	23.1	23.1
57	MAINE	403.4	396.8	399.9	(1)	(1)	(1)	13.9	13.3	14.3	106.6	103.8	103.3
58	Lewiston—Auburn	33.3	32.9	33.2	(1)	(1)	(1)	1.1	1.1	1.2	11.1	10.6	10.8
59	Portland	93.1	94.8	96.4	(1)	(1)	(1)	3.8	3.5	4.0	17.0	16.4	16.5
60	MARYLAND	1,673.6	1,640.6	1,659.1	(1)	(1)	(1)	86.1	78.9	82.5	216.0	203.6	204.5
61	Baltimore SMSA	936.7	910.8	921.5	(1)	(1)	(1)	41.5	36.7	37.9	144.8	134.8	136.0
62	Baltimore City	439.7	425.2	429.3	(1)	(1)	(1)	14.6	11.8	12.3	59.1	55.0	55.2

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	
146.6	144.7	145.1	517.0	520.6	527.8	116.0	118.0	119.1	370.5	384.3	388.0	438.1	444.6	444.7	1
2.3	2.2	2.2	9.3	9.1	9.2	2.1	2.2	2.2	6.2	6.0	6.0	10.9	10.6	11.3	2
1.5	1.5	1.5	10.0	10.4	10.5	1.6	1.7	1.7	6.8	7.1	7.0	17.3	17.2	17.3	3
91.7	91.7	91.9	278.1	285.2	287.4	69.9	70.8	71.4	214.6	222.4	222.6	165.2	166.7	167.1	4
4.3	4.3	4.3	24.0	24.4	24.8	4.4	4.5	4.4	19.4	19.6	20.1	31.5	31.3	31.4	5
3.3	3.1	3.1	16.6	16.3	16.3	5.4	5.3	5.3	11.3	10.9	10.9	19.5	19.2	19.1	6
4.7	4.6	4.6	20.6	21.1	20.9	6.1	6.1	6.1	17.8	17.9	17.8	30.7	29.6	29.6	7
8.8	8.6	9.4	21.4	21.0	21.1	4.1	4.2	4.3	16.6	16.8	17.0	16.5	16.5	16.4	8
31.5	30.4	30.3	104.7	105.5	105.6	31.6	31.5	31.6	101.3	101.2	101.3	92.0	93.2	93.3	9
26.2	25.1	25.0	86.2	86.6	86.7	27.2	27.2	27.3	79.0	79.3	79.4	78.3	79.4	79.4	10
19.0	18.4	18.7	77.1	76.9	77.7	22.4	22.9	23.0	59.1	59.4	59.8	69.3	68.9	69.2	11
5.1	5.0	5.3	18.7	19.8	19.7	7.6	7.6	7.6	15.1	14.7	15.0	16.0	15.7	15.7	12
275.5	263.6	265.1	1,071.1	1,052.3	1,059.0	325.9	323.4	325.6	979.2	974.6	977.1	730.5	743.5	735.6	13
3.5	3.4	3.3	11.8	11.6	11.5	8.1	8.1	8.1	8.7	8.8	8.7	11.1	11.6	11.6	14
2.5	2.3	2.3	19.4	18.9	19.0	2.4	2.4	2.4	12.1	11.5	11.7	32.0	31.3	30.8	15
198.1	192.8	193.3	790.6	782.6	785.1	252.7	249.2	250.1	756.3	754.5	755.1	429.8	434.2	429.6	16
184.4	179.7	180.2	743.8	735.3	737.5	243.8	240.5	241.4	717.5	715.4	715.8	399.2	403.7	399.2	17
6.8	6.3	6.3	38.9	38.2	38.3	7.2	7.2	7.2	26.4	25.4	25.6	25.7	25.6	25.6	18
4.8	4.7	4.6	11.0	10.8	10.8	2.7	2.6	2.6	8.9	8.9	8.8	5.7	5.6	5.4	19
1.4	1.4	1.2	6.9	6.6	6.6	1.4	1.4	1.4	6.8	6.4	6.3	7.4	7.6	7.6	20
7.5	7.2	7.2	33.1	31.6	31.7	6.8	6.7	6.7	27.7	26.4	26.4	16.5	16.5	16.4	21
4.5	4.1	4.2	23.4	22.6	22.7	4.7	4.6	4.6	19.0	18.2	18.3	12.5	12.4	12.3	22
4.5	4.2	4.2	18.6	18.4	18.4	6.5	6.3	6.3	17.9	18.1	18.2	29.8	29.8	29.7	23
102.6	99.7	99.5	449.7	432.5	439.7	101.4	102.7	103.7	353.5	358.4	363.5	338.6	335.4	334.8	24
1.2	1.1	1.2	8.9	9.2	9.3	1.5	1.5	1.5	7.9	8.0	8.1	5.3	5.1	5.0	25
2.4	2.3	2.3	13.1	13.3	13.7	2.0	2.0	2.0	9.3	9.4	9.6	5.1	5.2	5.2	26
7.0	6.7	6.6	30.0	30.4	30.8	4.5	4.4	4.5	26.4	26.0	26.4	12.3	12.2	12.2	27
10.5	10.2	10.1	38.5	37.9	38.4	10.5	10.2	10.3	29.2	28.9	29.0	17.9	17.9	17.8	28
13.7	13.1	13.1	46.8	47.3	47.6	8.9	8.7	8.7	38.9	39.2	39.4	30.6	30.5	30.4	29
30.0	30.0	30.1	125.9	124.3	126.2	36.3	37.8	38.2	97.0	97.8	98.9	82.7	82.2	82.1	30
1.7	1.6	1.6	11.2	10.9	11.0	2.6	2.5	2.5	9.4	9.3	9.4	19.8	19.6	19.9	31
1.9	1.9	1.9	11.4	10.7	11.0	1.5	1.5	1.5	8.6	8.5	8.8	11.2	11.0	11.0	32
4.8	4.6	4.6	25.7	25.7	26.1	5.1	5.1	5.1	25.8	25.6	25.8	12.7	12.7	12.5	33
3.5	3.2	3.2	14.8	13.9	14.0	2.0	1.9	1.9	10.1	10.1	10.2	12.1	12.0	12.1	34
52.4	50.3	50.4	264.2	258.0	259.6	58.6	58.5	58.8	211.7	210.7	212.3	206.0	207.4	206.6	35
3.9	3.7	3.7	18.2	17.3	17.3	4.3	4.2	4.2	15.8	15.7	15.8	9.1	8.8	8.8	36
11.0	11.1	11.1	43.5	41.9	41.8	21.7	21.6	21.6	41.0	40.5	40.6	27.8	28.1	27.9	37
1.6	1.6	1.6	8.5	8.2	8.3	1.3	1.3	1.3	10.4	10.4	10.5	3.9	3.7	3.7	38
3.7	3.5	3.5	11.9	11.5	11.0	2.7	2.7	2.7	11.6	11.8	11.9	6.5	6.3	6.3	39
2.2	2.1	2.1	13.0	12.3	12.4	2.1	2.1	2.1	10.9	10.5	10.6	10.7	10.4	10.3	40
60.6	62.4	62.1	226.7	222.2	224.0	48.7	48.0	48.1	173.2	171.3	172.9	192.2	190.2	191.7	41
1.4	1.4	1.4	5.6	5.5	5.7	.8	.8	.8	3.8	4.0	4.0	11.3	10.9	10.8	42
8.2	8.0	8.0	18.3	18.0	18.2	5.9	5.8	5.8	17.4	17.7	17.8	21.8	21.7	21.7	43
10.0	10.3	10.2	45.3	43.3	44.5	9.6	9.9	9.9	39.8	38.8	39.1	24.6	25.4	25.6	44
66.2	61.5	60.4	257.6	258.5	261.3	51.7	51.2	50.9	218.4	216.4	221.2	228.0	226.2	225.8	45
7.3	7.3	7.3	32.6	30.8	31.3	7.1	7.2	7.2	31.2	32.1	33.2	32.6	32.7	32.0	46
23.1	21.9	21.6	85.4	83.3	84.4	23.2	23.5	23.5	78.1	77.7	78.5	56.4	56.7	56.6	47
2.3	2.3	2.3	7.2	7.0	7.1	1.1	1.2	1.2	6.3	6.1	6.1	4.7	4.8	4.8	48
130.1	124.0	124.7	367.6	363.5	364.2	79.4	79.7	79.7	304.5	307.2	308.0	309.2	312.7	312.6	49
2.4	2.4	2.5	11.9	12.3	12.4	3.0	3.0	3.0	11.4	11.7	11.7	15.8	16.1	16.1	50
10.3	10.3	10.2	47.0	46.3	46.7	12.0	12.0	12.0	36.9	37.9	38.1	51.3	53.4	53.4	51
7.5	7.9	7.8	24.4	25.0	24.2	3.5	3.6	3.6	20.1	20.3	20.6	10.2	11.5	11.5	52
4.7	4.4	4.9	14.9	14.8	14.9	3.0	3.0	3.0	11.0	10.9	11.0	10.7	10.6	10.6	53
2.7	2.7	2.7	13.1	13.6	13.5	3.8	3.9	3.9	9.7	9.7	9.7	11.0	10.7	10.7	54
52.4	48.4	48.3	129.5	126.3	125.8	31.2	31.4	31.5	123.0	126.6	125.9	83.4	80.4	80.3	55
9.6	8.6	8.7	35.5	33.5	33.8	7.3	7.8	7.7	30.4	30.2	30.5	26.1	26.3	26.2	56
18.3	17.1	17.1	85.3	82.3	84.5	17.5	17.9	18.0	78.1	78.3	78.7	83.7	84.1	84.0	57
1.2	1.3	1.3	7.8	7.8	7.8	1.6	1.6	1.6	7.4	7.4	7.5	3.1	3.1	3.0	58
6.0	5.8	5.9	24.3	24.9	25.2	8.1	8.6	8.7	20.5	21.5	21.9	13.4	14.1	14.2	59
88.0	83.7	85.5	401.6	395.9	400.9	94.5	94.6	95.5	388.8	390.5	396.1	398.6	393.4	394.1	60
60.0	55.1	57.0	217.0	214.7	215.9	58.6	57.9	58.1	207.3	207.4	211.5	207.5	204.2	205.1	61
38.3	35.2	35.9	93.5	90.3	91.1	39.1	39.0	39.0	113.4	114.3	116.2	81.7	79.6	79.6	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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
1	MASSACHUSETTS	2,630.3	2,567.2	2,611.7	(1)	(1)	(1)	74.7	64.3	69.5	644.8	608.0	610.7
2	Boston	1,466.5	1,466.1	1,480.9	(1)	(1)	(1)	42.0	37.5	40.5	285.9	279.8	281.5
3	Brockton	57.4	56.2	56.6	(1)	(1)	(1)	1.5	1.3	1.4	12.2	11.0	11.2
4	Fall River	52.1	50.1	51.0	(1)	(1)	(1)	1.5	1.3	1.7	18.7	18.1	18.4
5	Lawrence—Haverhill	114.5	110.6	112.2	(1)	(1)	(1)	2.8	2.7	3.0	44.3	40.4	40.2
6	Lowell	81.6	80.9	82.0	(1)	(1)	(1)	2.4	2.0	2.2	31.1	31.1	31.5
7	New Bedford	63.8	62.8	63.9	(1)	(1)	(1)	1.4	1.2	1.4	24.6	24.6	24.1
8	Springfield—Chicopee—Holyoke	229.9	223.8	225.2	(1)	(1)	(1)	5.3	4.5	5.3	58.7	54.8	54.5
9	Worcester	161.3	156.5	156.2	(1)	(1)	(1)	4.7	4.2	4.3	44.8	40.5	39.5
10	MICHIGAN	3,189.7	3,129.7	3,146.8	10.6	9.6	9.9	81.6	75.7	78.8	882.9	848.8	862.2
11	Ann Arbor	134.4	130.6	133.3	(1)	(1)	(1)	1.8	1.3	1.4	32.8	29.9	32.2
12	Battle Creek	60.0	59.6	59.8	(1)	(1)	(1)	1.3	1.8	1.8	18.9	17.5	17.6
13	Bay City	32.2	30.7	31.3	(1)	(1)	(1)	.7	.6	.6	8.3	8.1	8.2
14	Benton Harbor	55.9	53.2	53.6	(1)	(1)	(1)	1.9	1.6	1.7	19.5	18.3	18.4
15	Detroit	1,556.6	1,523.1	1,528.4	1.2	.9	.8	35.9	34.6	35.0	429.9	410.4	416.7
16	Flint	166.0	174.1	175.4	(1)	(1)	(1)	2.8	3.0	3.1	57.3	63.7	64.5
17	Grand Rapids	261.4	258.6	259.7	(1)	(1)	(1)	8.9	7.6	8.2	85.0	84.4	85.3
18	Jackson	47.6	44.8	44.5	(1)	(1)	(1)	1.1	.8	.8	12.5	10.6	10.7
19	Kalamazoo—Portage	106.0	102.7	102.9	(1)	(1)	(1)	3.0	2.3	2.5	31.3	30.2	30.3
20	Lansing—East Lansing	182.2	167.7	185.8	(1)	(1)	(1)	3.4	2.5	2.7	35.0	38.6	39.2
21	Muskegon—Norton Shores—Musk. Hts.	56.6	54.3	54.8	(1)	(1)	(1)	1.8	1.7	1.8	18.7	17.6	17.8
22	Saginaw	75.9	76.0	76.7	(1)	(1)	(1)	1.8	1.5	1.6	23.6	23.6	24.1
23	MINNESOTA	1,711.3	1,656.6	1,675.3	11.7	7.8	8.4	53.2	44.0	48.8	345.9	331.2	331.7
24	Duluth—Superior	54.0	50.9	51.4	(1)	(1)	(1)	1.3	1.0	1.1	5.9	4.7	4.8
25	Minneapolis—St. Paul	1,069.2	1,042.7	1,051.4	(1)	(1)	(1)	33.3	27.9	30.2	236.4	228.2	228.3
26	Rochester	50.4	50.5	50.5	(2)	(2)	(2)	1.3	1.0	1.1	10.1	9.7	9.7
27	St. Cloud	55.5	54.4	55.6	(1)	(1)	(1)	2.7	2.3	2.5	10.1	9.8	10.2
28	MISSISSIPPI	800.0	782.7	787.5	12.7	11.3	11.2	42.0	39.1	40.0	204.7	195.7	197.4
29	Jackson	145.2	144.2	145.2	2.2	1.9	2.0	5.6	5.7	6.1	16.8	15.7	15.9
30	MISSOURI	1,926.5	1,864.0	1,903.1	7.3	6.8	6.8	72.9	67.5	72.1	410.1	394.6	395.8
31	Kansas City	604.9	583.6	589.3	.5	.5	.5	19.5	17.4	17.5	110.0	104.6	105.3
32	St. Joseph	37.0	36.2	36.5	(2)	(2)	(2)	1.3	1.0	1.0	9.1	8.8	9.1
33	St. Louis	983.3	962.5	969.3	3.3	3.0	3.0	41.6	40.3	41.5	220.7	211.1	210.5
34	Springfield	88.2	87.3	89.3	(2)	(2)	(2)	3.2	2.9	3.4	18.3	17.0	17.2
35	MONTANA	270.6	266.4	267.2	10.0	7.5	7.5	11.3	9.2	9.4	19.5	19.6	19.8
36	NEBRASKA	603.9	583.2	587.2	2.0	1.5	1.6	21.2	17.1	18.0	87.8	79.6	80.0
37	Lincoln	96.1	92.4	93.2	(2)	(2)	(2)	2.5	2.1	2.2	12.3	11.3	11.3
38	Omaha	256.2	250.7	252.0	(2)	(2)	(2)	8.4	7.0	7.2	32.4	30.5	30.7
39	NEVADA	403.0	404.7	409.5	7.0	6.0	6.0	20.2	19.6	20.1	19.1	18.3	18.4
40	Las Vegas	225.4	229.6	232.3	.6	.4	.4	12.2	12.1	12.3	6.7	6.7	6.7
41	Reno	112.9	112.2	113.6	.7	.6	.6	5.0	4.5	4.8	7.9	7.5	7.6
42	NEW HAMPSHIRE	386.3	385.0	387.5	(2)	(2)	(2)	20.9	20.2	21.6	112.2	110.7	111.3
43	Manchester	74.1	75.2	76.2	(2)	(2)	(2)	2.7	2.6	2.7	16.3	16.7	16.8
44	Nashua	67.6	68.7	69.6	(2)	(2)	(2)	2.4	2.6	2.8	31.6	32.0	32.3
45	NEW JERSEY	3,063.8	3,032.5	3,056.8	2.2	2.0	2.2	103.1	94.9	100.3	732.2	702.8	701.4
46	Atlantic City	98.6	99.4	101.0	-	-	-	3.7	4.1	4.3	7.4	7.1	7.0
47	Camden	344.0	341.2	344.5	.1	.1	.1	11.9	11.3	12.2	70.1	67.1	67.2
48	Hackensack	400.4	398.4	399.2	(1)	(1)	(1)	13.3	11.9	11.9	104.6	100.3	99.9
49	Jersey City	216.2	210.5	209.8	-	-	-	4.1	3.4	3.4	60.8	56.5	57.0
50	Long Branch—Asbury Park	165.9	165.0	166.6	(1)	(1)	(1)	5.8	6.6	7.0	24.0	22.9	22.9
51	New Bruns.—Perth Amboy—Sayreville	293.2	289.1	289.8	(1)	(1)	(1)	9.3	8.5	9.1	84.4	78.4	78.3
52	Newark	936.7	926.8	930.1	.8	.7	.8	29.5	27.9	28.5	233.7	223.9	223.8
53	Paterson—Clifton—Passaic	185.6	188.1	189.1	(1)	(1)	(1)	6.5	6.8	7.0	62.6	62.8	62.6
54	Trenton	162.6	160.9	161.1	(1)	(1)	(1)	2.8	2.7	2.8	32.1	29.8	30.1
55	Vineland—Millville—Bridgeton	51.1	50.8	50.8	(1)	(1)	(1)	1.5	1.3	1.3	15.9	15.4	15.5
56	NEW MEXICO	474.0	472.4	473.6	28.7	21.1	20.5	31.6	32.2	33.7	33.7	33.1	32.9
57	Albuquerque	188.5	192.0	193.4	(1)	(1)	(1)	11.1	11.4	11.8	17.5	17.8	17.7
58	Las Cruces	31.8	32.6	32.0	-	-	-	1.5	1.9	2.0	3.0	2.8	2.9
59	NEW YORK	7,217.9	7,132.6	7,172.2	6.3	6.1	6.4	204.4	190.8	203.8	1,371.3	1,304.3	1,303.0
60	Albany—Schenectady—Troy	335.9	329.4	332.3	(1)	(1)	(1)	9.4	8.3	9.3	53.1	50.3	50.8
61	Binghamton	116.6	114.9	115.1	(1)	(1)	(1)	3.4	3.1	3.4	43.2	41.4	40.9
62	Buffalo	472.8	455.4	455.3	(1)	(1)	(1)	13.9	12.3	13.4	115.5	103.4	103.3

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	
118.4	116.7	116.9	564.6	555.2	563.9	166.1	168.1	169.5	688.7	700.9	706.0	373.0	374.0	375.2	1
70.7	69.6	69.3	314.9	314.5	319.6	116.0	116.9	118.2	452.1	461.3	465.2	184.9	186.5	186.2	2
3.5	3.7	3.7	15.5	15.4	15.4	2.2	2.2	2.2	10.8	11.0	11.0	11.7	11.6	11.7	3
1.7	1.6	1.6	11.1	10.7	10.9	2.9	2.6	2.6	9.2	8.8	8.8	7.0	7.0	7.0	4
4.6	4.8	4.7	22.0	21.8	22.7	4.2	4.2	4.4	19.6	19.9	20.3	17.0	16.8	16.9	5
3.4	3.3	3.3	16.5	16.5	16.6	2.2	2.2	2.2	13.5	13.6	13.9	12.5	12.2	12.3	6
2.3	2.1	2.2	12.4	11.9	12.2	2.1	2.1	2.1	10.7	10.8	11.2	10.3	10.7	10.7	7
9.2	8.5	8.5	47.6	46.3	46.5	13.3	13.5	13.6	48.9	48.5	49.1	46.9	47.7	47.7	8
7.1	7.0	6.9	34.1	32.4	32.7	10.2	9.8	10.1	37.1	39.4	39.6	23.3	23.2	23.1	9
141.6	135.6	135.4	674.2	663.7	668.6	150.9	149.6	149.3	651.5	654.3	654.0	596.5	592.5	588.5	10
3.2	3.1	3.1	19.8	19.9	20.0	3.9	4.0	4.0	25.3	25.3	25.4	47.5	47.1	47.2	11
2.2	2.2	2.2	19.9	9.9	10.0	4.1	4.1	4.1	11.6	12.0	12.2	11.9	12.1	12.1	12
1.6	1.5	1.6	8.4	8.4	8.5	1.3	1.2	1.2	6.8	6.2	6.7	5.1	4.7	4.6	13
2.0	1.9	1.9	10.5	10.2	10.3	1.9	1.9	1.9	11.8	11.6	11.7	9.3	7.8	7.7	14
75.0	69.6	69.6	343.2	335.3	337.6	87.5	86.7	86.6	349.0	354.2	354.7	235.0	231.4	227.4	15
6.5	6.0	6.1	38.3	37.4	37.9	6.2	6.2	6.3	27.6	29.5	29.8	27.3	28.2	27.8	16
11.2	11.2	11.2	64.1	63.2	63.5	10.9	10.8	10.8	51.4	51.4	51.5	30.0	29.9	29.2	17
5.0	5.0	5.0	9.7	9.3	9.3	1.6	1.5	1.5	9.4	9.5	9.5	8.3	8.1	8.0	18
4.9	3.8	3.8	21.4	21.1	21.4	4.0	3.9	3.9	21.9	21.2	21.1	20.5	20.0	19.9	19
5.3	5.2	5.2	34.4	35.5	35.3	9.4	9.5	9.5	28.9	31.3	30.7	65.8	65.1	63.3	20
2.9	2.9	2.9	10.9	10.9	10.9	1.5	1.5	1.5	10.9	10.8	10.8	9.9	9.3	9.2	21
4.6	4.3	4.4	16.6	16.8	16.9	3.9	3.7	3.7	14.1	14.2	14.1	11.3	11.8	11.8	22
94.8	92.4	92.6	428.4	414.2	421.5	98.2	97.4	98.1	380.1	379.1	384.3	295.0	290.5	289.9	23
5.4	4.5	4.9	14.2	13.8	13.8	2.1	2.0	2.0	13.8	13.3	13.5	11.4	11.7	11.4	24
60.6	58.8	59.0	261.3	255.2	258.1	73.3	72.7	73.2	247.4	247.8	250.2	156.9	151.9	152.5	25
1.9	1.8	1.8	10.1	9.7	9.9	1.5	1.5	1.5	20.2	21.1	21.4	5.4	5.6	5.5	26
3.4	3.3	3.3	15.2	15.2	15.3	1.9	2.0	2.0	10.4	10.3	10.6	11.8	11.5	11.7	27
39.7	38.5	38.7	160.7	159.3	161.0	32.7	33.0	33.7	123.2	124.2	124.4	184.3	181.6	181.8	28
10.1	10.1	10.1	34.5	34.1	34.4	11.4	11.2	11.3	30.5	30.7	30.8	34.1	34.8	34.7	29
132.0	125.7	126.0	457.9	448.3	454.6	108.3	106.9	107.4	405.4	405.6	411.0	332.6	328.6	329.4	30
50.4	47.0	47.5	156.0	150.8	152.6	43.7	43.2	43.6	133.2	128.9	131.2	91.6	91.2	90.8	31
2.2	2.0	1.9	8.8	8.9	9.0	2.1	2.1	2.1	7.4	7.2	7.2	6.1	6.2	6.1	32
69.6	67.6	67.9	226.3	224.2	225.7	58.7	58.0	58.4	222.4	223.3	226.1	140.7	135.0	136.2	33
6.9	6.9	6.9	23.7	23.5	24.1	3.6	3.6	3.6	20.4	21.2	21.9	12.1	12.2	12.2	34
22.0	19.9	19.5	71.0	71.4	71.9	12.8	12.5	12.5	55.8	55.7	55.7	68.2	70.7	70.9	35
44.2	41.3	41.3	156.7	152.4	153.4	41.3	41.3	41.4	122.2	121.3	122.3	128.5	128.7	129.2	36
6.8	6.4	6.5	21.2	20.1	20.2	7.1	7.1	7.1	18.1	18.0	18.1	28.0	27.4	28.0	37
22.9	21.7	21.7	66.3	65.1	65.3	23.0	23.9	24.0	61.8	61.8	62.4	40.8	40.7	40.7	38
25.0	23.9	23.9	79.7	80.4	80.9	18.1	18.1	18.1	175.1	179.3	183.2	58.8	59.1	58.9	39
13.9	13.4	13.4	45.6	46.0	46.1	10.3	10.4	10.4	108.1	112.7	115.2	28.0	27.9	27.9	40
8.3	7.8	7.8	24.1	24.5	24.8	6.2	6.0	6.1	44.1	44.3	45.0	16.6	17.0	16.9	41
14.5	14.6	14.9	85.5	85.0	86.4	20.7	20.8	20.8	75.7	76.8	76.0	56.8	56.9	56.5	42
4.9	5.0	5.2	19.4	19.7	20.0	6.2	6.3	6.4	16.0	16.1	16.2	8.6	8.8	8.8	43
2.1	2.1	2.2	12.9	13.6	13.6	2.0	2.0	2.0	11.0	10.8	11.1	5.6	5.6	5.6	44
195.6	195.0	197.6	685.6	681.1	691.0	165.7	165.8	166.3	650.6	660.7	669.1	528.8	530.2	528.9	45
4.5	4.7	4.7	18.3	17.4	18.3	4.8	4.7	4.7	43.1	44.9	45.5	16.8	16.5	16.5	46
15.7	15.5	15.8	89.1	87.9	89.4	16.9	17.2	17.1	72.1	73.4	73.9	68.1	68.7	68.8	47
21.1	21.2	21.4	119.1	121.2	121.1	18.9	19.3	19.5	79.8	80.4	80.9	43.7	44.1	44.5	48
24.8	24.8	24.3	44.1	43.8	43.7	8.0	8.2	8.1	33.4	33.1	33.1	41.0	40.7	40.2	49
6.5	6.3	6.4	41.1	41.0	41.6	7.9	8.1	8.1	43.3	44.9	45.4	37.3	35.2	35.2	50
23.5	24.4	24.2	69.5	70.8	71.1	13.3	13.9	13.9	45.4	47.6	47.9	47.7	45.5	45.3	51
74.6	74.2	74.4	181.7	180.4	181.4	66.4	67.3	67.0	205.1	207.9	210.1	145.0	144.5	144.1	52
7.0	7.1	7.0	40.2	41.3	41.6	9.7	9.5	9.5	34.4	35.2	36.1	25.2	25.4	25.3	53
5.5	5.2	5.2	24.7	25.0	25.2	7.8	7.9	8.0	42.9	42.6	42.3	46.8	47.7	47.5	54
2.7	2.7	2.6	9.0	9.1	9.2	2.6	2.7	2.7	8.6	8.7	8.8	10.7	10.9	10.7	55
29.9	29.5	29.4	107.4	108.6	109.7	21.5	22.2	22.5	94.2	95.9	96.3	127.0	129.8	128.6	56
12.0	11.6	11.6	47.4	47.4	47.8	10.8	11.2	11.3	47.1	48.9	49.3	42.6	43.7	43.9	57
1.3	1.2	1.2	5.9	6.2	6.2	1.2	1.2	1.2	4.4	4.3	4.4	14.5	15.0	14.1	58
422.3	409.7	410.2	1,436.7	1,427.0	1,443.5	666.4	673.0	675.6	1,807.6	1,830.2	1,841.4	1,303.0	1,291.4	1,289.4	59
15.1	14.2	14.0	66.8	65.6	66.1	16.3	16.2	16.3	74.7	75.8	75.9	100.6	99.0	99.5	60
4.5	4.4	4.4	20.6	20.3	20.7	3.9	3.9	3.9	19.5	19.8	19.7	21.6	22.0	22.2	61
25.8	23.7	24.3	105.8	104.9	105.3	22.5	22.4	22.4	105.9	104.6	104.5	83.5	84.0	82.1	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 areas	Total			Mining			Construction			Manufacturing		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
NEW YORK—Continued												
1 Elmira	34.8	32.5	32.7	(1)	(1)	(1)	.8	.7	.8	9.4	7.7	7.8
2 Monroe County	343.2	332.8	334.4	(1)	(1)	(1)	8.5	7.1	7.7	138.2	126.9	127.3
3 Nassau—Suffolk	935.1	933.5	945.8	(1)	(1)	(1)	35.4	33.2	36.1	168.4	166.8	167.0
4 New York—Northeastern New Jersey	6,769.1	6,728.5	6,761.3	2.3	2.3	2.4	200.1	191.1	199.7	1,266.4	1,220.1	1,217.9
5 New York and Nassau—Suffolk	4,737.0	4,715.5	4,743.4	1.9	1.9	1.9	137.4	132.7	139.8	720.3	698.2	696.2
6 New York SMSA	3,801.9	3,782.1	3,797.5	1.7	1.7	1.7	101.9	99.5	103.7	551.9	531.4	529.2
7 New York City	3,350.3	3,337.5	3,348.5	1.4	1.4	1.4	83.4	81.9	84.6	462.3	445.9	443.7
8 Poughkeepsie	102.9	102.2	102.7	(1)	(1)	(1)	2.7	2.4	2.4	34.0	34.2	33.9
9 Rochester	418.5	406.1	408.5	(1)	(1)	(1)	10.1	8.6	9.4	156.8	144.2	144.5
10 Rockland County	81.8	82.8	83.0	(1)	(1)	(1)	2.4	2.3	2.5	15.5	15.7	15.7
11 Syracuse	257.6	254.1	257.7	(1)	(1)	(1)	10.6	10.6	11.8	56.7	54.4	54.8
12 Utica—Rome	112.3	109.4	110.3	(1)	(1)	(1)	2.3	1.6	1.8	28.4	26.5	26.7
13 Westchester County	357.2	349.4	353.5	(1)	(1)	(1)	15.5	14.6	15.9	72.7	68.4	68.5
NORTH CAROLINA												
14 Asheville	2,353.3	2,320.1	2,337.3	4.8	4.7	4.7	105.9	95.4	98.7	787.5	764.0	767.7
15 Charlotte—Gastonia	70.2	69.5	70.6	(1)	(1)	(1)	2.8	2.4	2.4	20.5	19.9	20.2
16 Greensboro—Winston-Salem—High Pt.	336.2	330.8	333.0	(1)	(1)	(1)	16.7	15.6	16.2	90.5	89.7	90.0
17 Raleigh—Durham	386.0	377.9	375.4	(1)	(1)	(1)	16.8	15.1	15.5	144.8	140.2	140.5
18	280.5	279.1	280.8	(1)	(1)	(1)	14.1	12.8	13.5	45.9	44.9	44.9
NORTH DAKOTA												
19 Fargo—Moorhead	246.5	248.1	249.6	9.6	7.1	6.9	11.9	14.4	15.0	14.6	14.2	14.2
20	60.6	61.1	61.3	(2)	(2)	(2)	2.1	1.8	1.9	4.1	4.3	4.3
OHIO												
21 Akron	4,146.1	4,036.2	4,076.5	31.0	27.3	27.7	129.5	112.7	118.6	1,117.3	1,059.4	1,071.0
22 Canton	251.1	247.0	245.0	(*)	(*)	(*)	6.2	5.8	6.2	70.1	67.0	67.5
23 Cincinnati	150.4	145.0	146.7	(*)	(*)	(*)	4.3	3.7	4.1	49.1	45.2	45.4
24 Cleveland	576.1	561.7	570.9	(*)	(*)	(*)	19.6	16.7	17.7	147.2	142.7	143.8
25 Columbus	848.7	820.8	825.4	(*)	(*)	(*)	24.6	22.1	23.3	228.5	210.7	210.8
26 Dayton	496.1	494.2	457.7	(*)	(*)	(*)	13.9	12.7	13.0	86.4	85.9	86.7
27 Toledo	337.0	332.3	333.6	(*)	(*)	(*)	8.8	7.8	8.2	88.6	85.1	85.8
28 Youngstown—Warren	282.7	274.4	279.2	(*)	(*)	(*)	11.2	9.2	9.5	69.4	62.7	65.9
29	181.7	179.5	181.4	(*)	(*)	(*)	5.1	4.2	4.5	53.4	53.7	54.6
OKLAHOMA												
30 Enid	1,245.7	1,196.1	1,196.5	116.3	85.1	81.7	56.4	49.7	50.1	189.3	167.8	167.5
31 Lawton	28.8	27.6	27.8	3.9	3.2	3.2	1.7	1.8	1.8	2.8	2.2	2.2
32 Oklahoma City	31.1	31.0	30.9	(1)	(1)	(1)	1.3	1.5	1.5	3.1	3.1	3.1
33 Tulsa	438.7	444.7	445.8	35.0	30.9	30.4	19.1	19.0	19.0	51.1	50.6	51.1
34	323.1	310.5	309.9	29.2	26.8	26.6	14.9	14.4	14.5	65.2	55.1	54.7
OREGON												
35 Eugene—Springfield	960.0	938.6	943.1	1.7	1.2	1.3	27.7	24.0	25.7	180.9	178.5	179.7
36 Medford	91.1	88.2	88.7	(1)	(1)	(1)	2.5	2.1	2.1	16.5	16.5	16.7
37 Portland	-	-	-	-	-	-	-	-	-	6.0	6.5	6.7
38 Salem	525.9	510.4	511.8	(1)	(1)	(1)	16.8	14.7	14.9	99.7	93.6	93.4
39	79.4	78.5	78.6	(1)	(1)	(1)	2.3	2.2	2.5	10.3	9.9	9.8
PENNSYLVANIA												
40 Allentown—Bethlehem—Easton	4,624.4	4,400.4	4,443.2	48.7	40.8	40.9	162.6	139.5	147.5	1,204.1	1,078.4	1,082.9
41 Altoona	256.7	241.0	242.2	(1)	(1)	(1)	7.7	6.4	6.8	97.6	86.0	85.6
42 Delaware Valley	48.2	44.3	45.2	(1)	(1)	(1)	1.6	1.4	1.7	12.0	10.8	10.9
43 Erie	1,560.4	1,534.5	1,541.9	(1)	(1)	(1)	54.5	48.9	51.1	336.2	316.4	317.7
44 Harrisburg	109.1	102.4	103.9	(1)	(1)	(1)	2.6	2.3	2.3	39.2	34.2	34.4
45 Johnstown	221.9	215.1	217.0	(1)	(1)	(1)	7.2	5.8	6.4	40.2	38.0	37.9
46 Lancaster	80.0	71.5	72.1	7.9	5.7	5.7	2.4	1.9	2.2	15.0	11.6	11.7
47 Northeast Pennsylvania	151.6	145.8	147.8	(1)	(1)	(1)	5.7	5.0	5.5	56.4	52.8	53.1
48 Philadelphia SMSA	234.8	228.0	228.4	1.0	.7	.7	10.0	9.8	10.4	66.1	62.1	61.6
49 Philadelphia City	1,902.7	1,875.6	1,885.5	(1)	(1)	(1)	66.4	60.2	63.3	405.9	383.4	384.1
50 Pittsburgh	757.5	749.1	748.4	(1)	(1)	(1)	17.0	16.5	17.1	117.1	112.2	112.8
51 Reading	907.5	839.1	846.5	9.7	7.6	7.7	40.8	36.2	38.4	207.0	167.8	170.2
52 Sharon	135.2	132.3	133.1	(1)	(1)	(1)	4.3	3.6	4.0	50.0	48.4	48.1
53 State College	43.0	38.9	39.5	(1)	(1)	(1)	1.1	.9	1.0	13.4	10.5	10.5
54 Williamsport	46.8	44.1	45.8	-	-	-	1.3	.9	1.0	7.9	7.1	7.1
55 York	45.4	42.9	43.1	(1)	(1)	(1)	1.0	1.0	1.1	16.4	14.0	14.1
56	153.0	145.0	146.1	(1)	(1)	(1)	6.1	5.2	5.5	61.2	56.1	56.0
RHODE ISLAND												
57 Providence—Warwick—Pawtucket	387.6	385.5	385.3	(1)	(1)	(1)	10.7	11.5	12.2	116.8	114.8	115.6
58	393.6	389.7	392.7	(1)	(1)	(1)	10.8	11.7	12.3	129.2	126.2	126.8
SOUTH CAROLINA												
59 Charleston—North Charleston	1,181.1	1,155.3	1,168.1	1.8	1.7	1.7	64.6	63.9	64.9	371.4	348.7	348.9
60 Columbia	153.6	151.9	152.6	-	-	-	11.4	10.6	10.6	20.0	19.1	19.0
61 Greenville—Spartanburg	181.8	181.9	182.1	-	-	-	8.8	9.2	9.2	26.2	25.1	25.2
62	261.8	254.1	255.6	-	-	-	16.4	13.3	13.8	98.9	93.4	93.7

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	
1.4	1.3	1.3	8.3	8.1	8.1	1.1	1.1	1.1	7.5	7.5	7.5	6.2	6.2	6.1	1
10.5	10.3	10.3	59.9	61.8	62.2	14.4	14.6	14.7	72.3	73.1	73.6	39.3	38.9	38.6	2
41.3	42.9	43.0	238.8	240.7	245.4	53.4	52.8	52.8	224.2	226.6	230.0	173.6	170.6	171.5	3
465.2	462.0	461.9	1,399.2	1,395.7	1,406.9	676.8	685.0	686.6	1,696.1	1,711.6	1,722.6	1,073.9	1,067.7	1,063.3	4
314.2	310.3	310.7	944.7	938.1	948.0	560.4	566.7	568.5	1,287.7	1,307.1	1,314.4	770.4	760.5	764.0	5
272.9	267.4	267.7	705.9	697.5	702.6	507.1	514.0	515.7	1,063.7	1,080.8	1,084.5	596.8	589.9	592.5	6
249.0	244.3	244.5	601.2	593.8	598.4	483.8	491.0	492.5	949.8	966.9	968.6	519.3	512.2	514.9	7
3.0	2.9	2.9	16.7	16.6	17.0	2.9	3.0	3.0	19.7	19.5	20.1	23.9	23.5	23.3	8
13.0	12.8	12.8	76.6	78.4	79.3	16.0	16.1	16.2	85.0	85.8	86.5	60.9	60.3	59.8	9
3.5	3.5	3.5	17.8	17.6	17.6	2.8	2.8	2.9	18.9	19.5	19.7	21.0	21.4	21.2	10
14.3	14.3	14.4	55.9	55.2	56.2	10.6	10.7	10.8	55.5	55.2	56.2	48.1	47.6	47.5	11
3.9	3.6	3.9	22.1	21.8	22.3	5.5	5.5	5.5	21.4	21.5	21.8	28.7	28.6	28.3	12
19.8	19.1	19.1	83.8	83.0	83.6	20.0	19.7	19.9	92.1	91.4	93.4	53.3	53.1	53.1	13
115.0	113.1	113.4	473.4	468.2	472.7	97.5	98.2	98.4	358.5	364.0	369.1	410.7	412.5	412.6	14
3.5	3.5	3.5	15.1	15.2	15.4	2.2	2.3	2.3	14.4	14.4	14.9	11.7	11.8	11.9	15
31.9	31.4	31.4	82.6	80.6	80.8	22.5	22.0	22.0	55.9	55.7	56.8	36.1	35.8	35.8	16
20.2	19.9	20.0	78.2	77.5	77.9	18.4	18.1	18.2	55.4	58.5	58.6	48.2	48.6	48.7	17
13.7	14.2	14.3	52.8	52.6	52.8	15.6	15.1	15.2	63.2	64.1	64.2	75.2	75.4	75.9	18
16.7	16.2	16.2	66.5	65.8	66.6	11.8	11.9	11.9	54.0	55.4	56.0	61.4	63.1	62.8	19
3.9	3.7	3.7	17.9	17.7	17.8	3.7	3.8	3.8	15.5	16.0	16.2	13.4	13.8	13.6	20
207.3	195.0	195.6	928.1	906.5	918.7	204.9	205.8	206.5	856.1	859.6	873.1	671.8	669.9	665.2	21
13.2	12.7	12.7	57.3	57.3	58.1	9.3	9.2	9.2	51.5	51.2	51.6	42.9	43.3	43.1	22
6.4	6.0	6.1	33.6	33.1	33.7	6.3	6.4	6.4	30.5	30.9	31.4	18.8	19.5	18.3	23
32.4	31.1	31.1	138.1	134.8	137.4	32.2	32.1	32.1	123.8	124.1	128.6	82.4	79.8	79.7	24
43.3	40.8	41.4	194.0	189.2	190.7	48.0	47.6	47.6	192.0	193.1	195.5	116.9	116.2	114.9	25
23.3	21.8	21.9	118.7	117.8	118.6	40.5	42.0	42.0	109.3	110.9	112.5	103.4	102.3	102.3	26
12.8	12.0	12.1	71.8	69.7	70.4	13.4	13.4	13.5	73.6	75.7	75.9	67.7	68.3	67.5	27
17.9	17.0	17.2	64.2	62.6	63.4	10.6	10.9	10.9	62.8	64.3	65.0	46.1	47.3	46.9	28
8.3	7.6	7.6	43.6	41.7	42.2	7.0	7.2	7.2	38.9	39.8	40.3	24.5	24.4	23.9	29
71.7	67.8	68.2	291.9	292.1	292.8	60.4	63.7	63.3	217.4	222.7	226.3	242.3	247.9	246.6	30
2.7	2.8	2.8	7.7	7.5	7.6	1.2	1.2	1.2	5.0	5.0	5.1	3.8	3.9	3.9	31
1.4	1.4	1.4	7.7	7.3	7.4	1.3	1.5	1.4	5.6	5.4	5.4	13.7	13.8	13.7	32
24.7	24.8	24.7	108.9	112.4	112.9	26.9	28.1	28.1	81.3	84.4	86.1	91.7	94.5	93.5	33
22.9	22.9	23.0	73.0	72.2	72.0	16.1	16.2	16.2	66.9	68.6	68.8	34.9	34.3	34.1	34
56.4	55.1	55.4	235.4	232.9	235.6	65.7	63.1	63.2	189.5	185.1	185.5	202.7	198.7	196.7	35
4.7	4.7	4.7	22.4	21.2	21.5	4.5	4.3	4.3	18.5	18.3	18.4	22.0	21.1	21.0	36
35.6	34.5	34.6	134.9	133.2	134.7	44.3	42.5	42.8	111.2	108.9	109.1	83.4	83.0	82.3	37
2.6	2.6	2.6	17.4	17.6	17.6	5.4	5.5	5.5	14.9	14.6	14.6	26.5	26.1	26.0	38
250.3	237.3	239.7	969.2	937.4	950.3	238.8	236.4	237.5	1,049.2	1,048.7	1,064.9	701.5	681.9	679.5	39
13.4	13.0	13.0	51.3	48.8	49.2	9.5	9.3	9.5	48.5	48.7	49.5	28.7	28.8	28.6	40
6.2	5.2	5.2	10.4	9.8	10.1	1.5	1.4	1.4	9.0	8.8	9.1	7.5	6.9	6.8	41
79.5	76.4	76.1	327.4	327.6	332.0	110.1	109.6	109.8	422.5	428.4	430.6	230.2	227.2	224.6	42
4.6	4.4	4.4	21.3	20.2	20.7	4.8	4.8	4.8	23.6	24.0	24.9	13.0	12.5	12.4	43
16.4	14.9	15.4	45.3	44.6	45.0	12.7	12.9	12.9	42.6	42.2	42.5	57.5	56.7	56.5	44
5.0	4.9	4.8	15.1	14.3	14.5	3.9	3.8	3.8	16.5	16.4	16.5	14.2	12.9	12.9	45
6.4	6.2	6.3	34.8	33.6	34.5	5.6	5.5	5.5	28.0	28.2	28.4	14.7	14.5	14.5	46
12.8	12.4	12.4	48.8	48.1	48.2	9.9	10.0	10.1	48.6	48.8	49.2	37.6	36.1	35.8	47
94.8	91.9	91.9	416.6	415.5	421.5	127.0	126.7	126.9	494.1	502.1	504.5	297.9	295.8	293.3	48
49.4	47.4	47.2	137.9	135.8	137.2	65.2	64.8	64.7	228.2	231.2	230.6	142.7	141.2	138.8	49
52.9	48.3	47.9	205.5	198.3	201.1	46.8	46.0	46.2	230.3	227.6	229.5	114.5	107.3	106.9	50
6.3	6.2	6.2	27.3	26.5	27.2	6.3	6.1	6.0	24.3	24.4	24.5	16.7	17.1	17.1	51
3.0	2.5	2.6	9.1	8.9	9.1	1.3	1.3	1.4	5.8	5.6	5.7	5.4	5.2	5.2	52
1.1	1.1	1.2	8.3	8.4	8.5	1.3	1.3	1.4	6.3	6.2	6.3	20.2	18.8	20.0	53
2.1	2.2	2.2	9.1	9.1	9.0	2.1	2.1	2.1	8.3	8.3	8.4	6.4	6.2	6.2	54
7.2	6.7	6.8	32.8	32.6	33.1	4.0	3.9	4.0	23.2	22.9	23.0	18.5	17.6	17.7	55
13.0	13.1	13.2	79.0	76.7	78.3	20.9	21.2	21.3	90.2	90.6	91.2	57.0	57.6	57.5	56
13.1	12.5	12.6	78.5	75.4	76.9	20.7	21.0	21.0	87.0	88.6	89.1	54.3	54.3	54.0	57
53.6	55.5	55.6	231.8	225.4	231.2	48.8	50.1	50.8	172.7	172.0	176.9	236.4	238.0	238.1	58
9.4	9.1	9.0	33.6	34.1	34.6	6.7	6.9	7.2	26.4	26.9	27.3	46.1	45.2	44.9	59
9.6	9.4	9.4	37.8	38.0	38.0	14.2	14.4	14.5	30.8	30.3	30.5	54.1	55.2	55.0	60
9.6	9.0	9.0	53.6	52.6	53.0	10.0	10.4	10.4	38.0	39.6	40.0	35.0	35.5	35.4	61

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 areas	Total			Mining			Construction			Manufacturing		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
1 SOUTH DAKOTA	229.4	225.8	228.4	2.6	2.6	2.7	7.0	6.3	6.9	25.1	24.0	24.5
2 Sioux Falls	53.5	54.4	54.5	(2)	(2)	(2)	1.9	1.7	1.7	7.6	7.7	8.0
3 TENNESSEE	1,708.0	1,649.5	1,662.5	9.7	8.8	8.6	75.8	60.4	60.3	472.0	455.8	457.8
4 Chattanooga	165.6	163.5	163.7	1.4	1.2	1.3	5.5	5.8	6.1	45.1	41.9	42.0
5 Knoxville	209.4	199.4	200.4	1.6	1.4	1.4	11.2	9.1	9.0	49.8	48.5	48.4
6 Memphis	350.8	341.7	342.3	.1	.2	.2	12.3	10.9	10.9	56.2	51.7	51.4
7 Nashville—Davidson	368.6	360.5	362.1	(1)	(1)	(1)	18.7	18.1	18.8	78.5	76.2	75.6
8 TEXAS	6,329.7	6,162.4	6,162.1	315.8	293.9	291.1	424.1	399.2	398.7	1,094.8	999.0	994.5
9 Abilene	61.3	60.4	60.5	5.8	5.0	5.0	3.5	3.4	3.4	6.1	6.6	6.7
10 Amarillo	74.9	76.3	76.2	(1)	(1)	(1)	3.8	3.1	3.0	10.0	10.9	10.8
11 Austin	265.4	270.9	270.9	(1)	(1)	(1)	13.8	14.7	14.8	33.0	33.2	33.0
12 Beaumont—Port Arthur—Orange	151.5	146.7	145.5	(1)	(1)	(1)	12.5	10.5	10.0	36.8	34.6	34.4
13 Corpus Christi	137.8	133.5	133.6	9.7	9.1	9.1	12.6	12.3	12.5	16.2	14.5	14.6
14 Dallas—Fort Worth	1,544.7	1,548.3	1,561.3	31.8	32.7	32.4	83.8	82.8	83.9	321.6	398.6	308.2
15 El Paso	169.3	164.6	165.0	(1)	(1)	(1)	8.3	7.6	7.5	40.0	37.2	37.9
16 Galveston—Texas City	71.2	68.4	68.3	(1)	(1)	(1)	4.8	4.8	4.8	11.9	10.9	10.6
17 Houston	1,643.2	1,548.3	1,544.6	117.4	104.4	105.1	151.1	134.6	132.2	270.8	231.0	228.5
18 Longview—Marshall	72.3	67.7	67.7	(1)	(1)	(1)	4.9	4.4	4.4	18.8	16.6	16.5
19 Lubbock	90.1	89.3	88.5	(1)	(1)	(1)	3.7	3.8	3.8	11.9	11.2	10.9
20 Midland	54.7	52.2	52.2	14.2	13.2	12.7	4.5	4.3	4.4	4.9	4.2	4.3
21 Odessa	63.6	54.7	54.8	5.3	8.0	8.0	5.9	5.3	5.2	9.3	6.2	6.2
22 San Angelo	37.4	35.9	35.7	1.1	.7	.7	2.3	2.2	2.1	6.5	5.5	5.3
23 San Antonio	422.0	424.0	428.2	3.4	3.3	3.3	26.3	27.5	28.1	52.0	47.6	48.6
24 Sherman—Denison	35.2	32.5	33.1	.2	.2	.2	1.5	1.3	1.4	11.8	10.4	10.6
25 Waco	72.5	70.5	71.0	(1)	(1)	(1)	3.6	3.4	3.4	15.8	14.5	14.9
26 Wichita Falls	56.1	52.5	52.6	4.0	3.3	3.2	2.1	2.1	2.1	11.2	8.6	8.6
27 UTAH	559.2	555.1	557.1	19.6	14.7	14.5	25.2	24.6	25.6	86.2	82.2	82.5
28 Salt Lake City—Ogden	394.9	391.1	392.9	7.5	5.7	5.7	16.3	15.9	16.1	60.8	57.3	57.7
29 VERMONT	198.4	201.7	200.3	.6	.5	.7	7.9	7.5	8.5	49.1	47.7	47.8
30 Burlington ¹²	55.3	60.1	60.4	-	-	-	-	-	-	16.0	15.6	15.7
31 Springfield ¹²	13.5	13.4	12.9	-	-	-	-	-	-	5.3	4.7	4.5
32 VIRGINIA	2,126.2	2,115.7	2,130.8	24.2	20.0	20.1	99.5	95.0	99.5	397.7	392.2	395.0
33 Bristol	26.6	26.3	26.6	(1)	(1)	(1)	.8	.9	.9	9.1	8.2	8.3
34 Lynchburg	69.4	67.3	67.7	(1)	(1)	(1)	2.4	2.3	2.4	27.0	25.7	25.8
35 Newport News—Hampton	148.8	150.6	153.7	(1)	(1)	(1)	6.3	5.8	5.9	35.1	37.5	38.1
36 Norfolk—Virginia Beach—Portsmouth	287.0	289.7	292.7	(1)	(1)	(1)	15.6	16.7	17.3	27.1	25.1	25.6
37 Northern Virginia ¹³	469.4	483.0	485.3	.5	.5	.6	23.0	23.6	24.3	21.6	23.3	23.7
38 Petersburg—Colonial Hgts.—Hopewell	44.0	42.7	42.8	(1)	(1)	(1)	1.5	1.9	1.9	9.8	8.0	8.1
39 Richmond	322.5	321.6	323.5	.3	.3	.3	15.8	14.3	15.0	55.1	55.0	54.9
40 Roanoke	101.3	101.0	101.8	.2	.1	.1	4.5	4.4	4.7	19.9	19.5	20.0
41 WASHINGTON	1,572.7	1,560.6	1,575.8	3.1	2.9	3.0	75.9	72.4	76.1	291.1	276.0	278.3
42 Seattle—Everett	760.2	(*)	(*)	(1)	(*)	(*)	32.3	(*)	(*)	164.2	(*)	(*)
43 Spokane	121.9	(*)	(*)	(1)	(*)	(*)	4.7	(*)	(*)	14.9	(*)	(*)
44 Tacoma	139.8	(*)	(*)	(1)	(*)	(*)	6.0	(*)	(*)	22.0	(*)	(*)
45 WEST VIRGINIA	612.8	582.0	582.3	68.9	52.2	51.8	24.4	22.8	24.5	100.6	91.8	91.1
46 Charleston	108.6	104.0	103.9	6.6	4.7	4.7	5.1	4.4	4.7	15.9	14.8	14.6
47 Huntington—Ashland	99.5	92.9	92.8	1.2	1.0	1.0	4.4	4.2	4.4	23.2	19.4	19.0
48 Parkersburg—Marietta	57.4	55.7	55.6	1.5	1.4	1.2	3.0	2.8	3.0	15.5	15.0	14.8
49 Wheeling	62.4	58.8	59.4	4.9	3.9	3.7	2.3	2.1	2.2	10.5	8.4	8.8
50 WISCONSIN	1,857.3	1,805.9	1,820.6	1.4	1.3	1.7	49.0	39.2	41.3	493.3	461.5	465.1
51 Appleton—Oshkosh	120.2	118.5	115.6	(1)	(1)	(1)	4.2	3.5	3.4	41.9	41.8	42.1
52 Eau Claire	48.0	47.0	47.1	(1)	(1)	(1)	1.2	.9	.9	8.6	8.3	8.2
53 Green Bay	77.0	76.4	76.2	(1)	(1)	(1)	2.8	2.2	2.5	20.7	19.9	19.9
54 Janesville—Beloit	47.7	48.2	48.5	(1)	(1)	(1)	.9	.9	.9	16.1	16.3	16.6
55 Kenosha	39.1	39.8	39.6	(1)	(1)	(1)	1.4	1.3	1.2	14.0	15.4	15.3
56 La Crosse	45.2	45.5	45.8	(1)	(1)	(1)	1.1	.8	.8	19.0	9.6	9.6
57 Madison	168.5	167.1	167.6	(1)	(1)	(1)	4.6	3.5	3.8	18.8	18.0	18.3
58 Milwaukee	634.5	607.7	608.7	(1)	(1)	(1)	14.7	11.7	12.1	176.5	157.6	156.4
59 Racine	60.0	59.0	58.7	(1)	(1)	(1)	1.4	1.0	.9	21.8	21.6	21.5
60 WYOMING	215.8	205.2	206.4	37.7	36.0	35.3	17.2	15.8	17.8	8.9	8.8	8.8
61 PUERTO RICO	651.5	626.1	627.5	.8	.7	.7	27.8	19.4	19.8	145.6	142.8	143.1
62 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
63 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	
12.5	12.0	12.4	61.5	59.8	60.9	11.7	11.9	12.0	51.7	51.0	51.7	57.3	57.6	57.3	1
4.6	4.6	4.6	15.0	15.1	15.0	3.9	4.1	4.1	13.9	14.4	14.3	6.6	6.8	6.8	2
83.8	79.0	79.1	367.7	363.8	362.7	80.3	79.8	80.3	214.3	209.2	217.1	304.4	295.7	296.6	3
7.6	7.2	7.2	35.0	35.8	35.4	10.0	10.5	10.7	29.4	29.3	29.4	31.6	31.8	31.6	4
8.1	7.7	7.6	46.7	43.4	44.2	9.0	8.4	8.4	36.9	36.5	36.8	46.1	44.4	44.6	5
26.6	25.4	25.4	95.4	93.7	94.0	19.2	19.7	19.9	77.4	77.7	77.8	63.6	62.4	62.7	6
19.8	18.2	18.2	85.9	84.6	85.1	25.3	25.0	25.0	78.5	77.9	78.7	61.9	61.5	63.7	7
390.9	374.5	375.2	1,548.4	1,513.9	1,515.7	362.1	370.3	371.4	1,159.5	1,161.0	1,165.0	1,030.1	1,050.6	1,050.5	8
3.3	3.3	3.3	16.5	15.5	15.5	3.0	3.1	3.1	13.8	13.9	13.9	9.3	9.6	9.6	9
6.5	6.5	6.5	21.8	23.8	23.8	4.0	4.1	4.1	16.1	17.0	16.9	12.7	12.9	13.1	10
8.0	7.7	7.7	60.7	61.2	61.4	16.9	17.2	17.2	53.2	54.4	54.3	83.8	82.4	82.5	11
12.4	12.4	12.3	34.3	34.0	33.9	5.8	5.8	5.8	29.3	28.9	28.8	20.4	20.5	20.3	12
7.9	7.6	7.7	33.5	32.3	32.3	6.5	6.4	6.4	25.2	24.2	24.0	26.2	27.1	27.0	13
100.7	97.0	97.2	410.7	416.0	421.0	117.3	117.8	118.9	295.3	310.6	316.2	183.5	182.8	183.5	14
10.8	10.5	10.6	41.7	39.9	39.7	7.7	7.8	7.8	27.1	27.7	27.5	33.7	33.9	34.0	15
6.6	6.3	6.4	13.4	12.8	12.8	4.6	4.4	4.4	11.5	11.1	11.2	18.4	18.1	18.1	16
113.7	105.7	106.1	388.7	370.8	368.5	99.3	100.7	101.5	326.6	322.1	324.2	175.6	179.0	178.5	17
3.8	3.8	3.8	17.7	16.9	17.0	2.7	2.8	2.8	16.7	15.5	15.6	7.7	7.7	7.7	18
4.8	4.7	4.7	25.9	26.0	25.8	4.8	5.2	5.2	18.5	17.6	17.5	20.5	20.8	20.6	19
3.1	3.1	3.1	11.4	10.9	10.9	3.1	3.4	3.4	8.6	8.4	8.8	4.9	4.6	4.6	20
3.2	2.8	2.8	18.1	14.7	14.7	2.2	2.4	2.3	9.1	8.2	8.4	6.5	7.1	7.2	21
3.7	3.7	3.7	8.7	8.7	8.7	1.5	1.5	1.5	7.2	7.2	7.2	6.4	6.4	6.5	22
18.6	18.2	18.4	107.7	108.4	110.0	28.6	29.2	29.1	90.2	92.4	93.3	95.2	97.4	97.4	23
2.3	2.3	2.3	7.2	6.5	7.1	1.2	1.2	1.2	6.1	5.6	5.6	4.9	4.6	4.7	24
3.4	3.3	3.3	17.4	17.3	17.4	4.5	4.6	4.6	16.3	15.7	15.7	11.5	11.7	11.7	25
2.9	3.1	3.1	13.3	13.2	13.2	2.5	2.6	2.6	9.1	8.8	9.0	11.0	10.8	10.8	26
34.7	35.1	35.3	130.4	129.4	130.6	26.5	26.9	27.0	108.5	112.5	112.3	128.0	129.7	129.3	27
26.9	27.4	27.6	96.8	94.8	95.4	21.2	21.9	22.0	73.9	75.9	76.4	91.4	92.2	91.9	28
8.5	8.7	8.7	42.1	42.5	42.6	8.3	8.6	8.6	45.7	48.8	46.3	36.2	37.4	37.1	29
2.3	2.4	2.4	12.7	12.7	12.7	-	-	-	13.0	13.5	13.5	-	-	-	30
.7	.7	.6	2.2	2.3	2.3	-	-	-	2.6	3.0	2.7	-	-	-	31
117.1	114.8	115.2	451.1	449.7	453.4	104.8	106.4	106.9	426.7	432.9	436.9	505.1	504.8	503.7	32
1.0	1.1	1.1	6.1	6.4	6.5	.9	1.0	1.0	3.5	3.6	3.6	5.1	5.2	5.3	33
2.8	2.7	2.7	11.7	11.8	11.8	3.3	3.4	3.4	12.0	11.9	12.0	10.2	9.6	9.6	34
5.0	4.9	4.9	30.5	30.9	31.4	4.5	4.4	4.4	29.2	29.2	31.3	38.2	37.9	37.7	35
19.3	20.2	20.4	69.2	69.3	70.2	14.5	14.9	14.9	61.2	62.6	63.2	80.0	81.0	81.0	36
33.0	33.0	33.2	107.9	110.2	110.8	28.8	29.2	29.6	133.0	138.3	138.2	121.5	124.9	124.9	37
1.4	1.1	1.1	8.4	8.3	8.1	1.2	1.2	1.2	7.0	7.4	7.5	14.9	14.7	14.8	38
19.4	19.2	19.1	75.7	75.6	75.7	26.9	26.8	26.8	59.7	60.5	61.9	69.6	69.9	69.8	39
9.6	9.2	9.2	24.6	24.5	24.8	6.0	5.9	6.0	21.4	21.7	22.0	15.0	15.3	15.0	40
88.9	87.7	88.6	381.4	381.8	387.1	90.6	90.4	91.2	316.7	324.0	326.1	325.0	325.4	325.4	41
50.6	(*)	(*)	184.9	(*)	(*)	58.0	(*)	(*)	153.5	(*)	(*)	116.7	(*)	(*)	42
7.7	(*)	(*)	33.7	(*)	(*)	7.8	(*)	(*)	30.8	(*)	(*)	22.3	(*)	(*)	43
6.2	(*)	(*)	32.6	(*)	(*)	6.8	(*)	(*)	32.6	(*)	(*)	33.6	(*)	(*)	44
41.8	38.4	38.3	126.6	127.5	127.1	22.0	21.9	21.5	102.7	101.4	102.1	125.9	126.0	125.6	45
9.2	8.6	8.6	25.5	25.2	25.3	5.0	4.9	4.8	21.0	21.3	21.3	20.3	20.2	19.9	46
9.5	7.7	7.6	23.7	23.1	23.1	3.7	3.6	3.6	15.6	15.2	15.2	18.3	18.6	18.8	47
2.3	2.2	2.2	13.0	12.5	12.6	2.0	2.0	2.0	10.7	10.5	10.6	9.4	9.3	9.3	48
3.6	3.5	3.5	14.5	14.3	14.5	2.8	2.8	2.8	14.6	14.5	14.6	9.1	9.3	9.2	49
87.8	82.8	83.8	423.2	414.3	421.8	96.4	96.6	97.3	380.0	384.0	385.2	326.2	326.3	324.4	50
4.5	4.3	4.3	25.3	24.5	25.0	5.7	5.7	5.8	21.8	22.1	22.2	16.8	16.7	16.7	51
2.6	2.5	2.5	12.8	12.8	13.0	1.7	1.7	1.7	10.0	9.6	9.8	11.1	11.1	10.9	52
5.8	6.0	5.8	19.3	19.6	19.9	2.5	2.6	2.6	15.6	16.0	16.0	10.4	10.1	9.6	53
2.3	2.6	2.6	10.8	10.5	10.7	1.4	1.4	1.4	9.0	9.1	9.1	7.1	7.3	7.2	54
1.2	1.2	1.1	7.9	7.5	7.6	1.0	1.0	1.0	7.7	7.3	7.3	5.9	6.1	6.1	55
2.0	1.9	1.9	11.9	11.8	12.0	1.2	1.1	1.2	11.6	12.4	12.5	7.6	7.9	8.0	56
6.3	6.2	6.1	36.3	36.2	36.8	13.7	13.5	13.5	33.4	34.8	34.7	55.3	54.8	54.4	57
33.0	31.0	31.4	137.1	135.1	135.9	40.9	40.6	40.6	147.4	149.3	148.8	85.0	82.4	81.6	58
2.4	2.4	2.4	12.6	12.4	12.3	2.3	2.2	2.2	11.1	11.2	11.0	8.4	8.1	8.3	59
18.0	16.1	16.1	49.3	44.8	44.9	7.8	7.6	7.6	32.8	29.2	29.1	44.1	46.4	46.8	60
14.6	13.4	13.6	108.0	101.9	102.2	29.0	29.0	29.3	85.3	84.2	83.9	240.3	234.6	234.9	61
(*)	(*)	(*)	5.0	5.0	4.9	(*)	(*)	(*)	(*)	(*)	(*)	9.1	9.4	9.4	62
(*)	(*)	(*)	4.9	4.7	4.7	(*)	(*)	(*)	(*)	(*)	(*)	12.8	12.8	12.8	63

**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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
1	PUERTO RICO—Continued												
	Ponce	(*)	(*)	(*)	(*)	(*)	(*)	2.4	2.3	2.8	(*)	(*)	(*)
2	San Juan	(*)	(*)	(*)	(1)	(1)	(1)	20.3	13.5	13.4	(*)	(*)	(*)
3	VIRGIN ISLANDS	36.6	36.0	36.0	(2)	(2)	(2)	3.2	2.6	2.6	2.8	2.3	2.3

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. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 P	APR. 1982	MAR. 1983	APR. 1983 F	APR. 1982	MAR. 1983	APR. 1983 P	
(*)	(*)	(*)	7.1	6.6	6.6	(*)	(*)	(*)	7.3	6.9	6.8	16.2	16.2	16.2	1
11.4	10.5	10.9	68.9	64.4	64.4	22.2	22.6	22.7	58.1	57.5	57.4	124.9	121.6	122.0	2
2.2	2.2	2.2	7.6	7.3	7.2	1.5	1.6	1.5	6.2	6.3	6.1	13.2	13.9	14.1	3

¹ Combined with services.
² Combined with construction.
³ Area included in Chicago—Gary Standard Consolidated Statistical Area.
⁴ Subarea of Baltimore Standard Metropolitan Statistical Area.
⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
⁶ Subarea of New York—Northeastern New Jersey.
⁷ Subarea of Rochester Standard Metropolitan Statistical Area.
⁸ Area included in New York and Nassau—Suffolk combined SMSA's.
⁹ Subarea of New York Standard Metropolitan Statistical Area.
¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.
¹² Total includes data for industry divisions not shown separately.
¹³ 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.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska, Washington areas; and Wisconsin.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
-	TOTAL PRIVATE	\$263.03	\$265.87	\$274.13	\$275.17	\$279.30	\$7.58	\$7.64	\$7.90	\$7.93	\$7.98
-	MINING	454.11	453.90	467.74	468.42	474.89	10.61	10.63	11.19	11.26	11.28
10	METAL MINING	486.72	486.68	490.46	497.93	-	12.26	12.29	12.48	12.67	-
101	Iron ores	537.25	516.90	485.55	474.08	-	13.04	13.22	12.45	12.25	-
102	Copper ores	459.35	470.76	518.18	520.90	-	12.12	12.04	12.89	12.99	-
11, 12	COAL MINING	496.04	496.90	521.90	529.54	-	12.37	12.33	13.28	13.44	-
12	BITUMINOUS COAL AND LIGNITE MINING	497.64	498.11	523.48	530.72	-	12.41	12.36	13.32	13.47	-
13	OIL AND GAS EXTRACTION	447.55	445.15	459.46	458.38	-	10.08	10.14	10.71	10.76	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	485.97	473.80	528.10	517.02	-	11.71	11.67	12.31	12.31	-
138	Oil and gas field services	435.79	436.05	429.57	430.57	-	9.62	9.69	9.99	10.06	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	365.47	377.56	378.06	385.48	-	8.64	8.76	8.98	9.07	-
142	Crushed and broken stone	358.09	372.34	355.69	368.90	-	8.27	8.54	8.33	8.50	-
-	CONSTRUCTION	416.14	431.63	434.98	436.73	445.56	11.37	11.51	11.95	11.90	11.85
15	GENERAL BUILDING CONTRACTORS	371.92	380.21	388.77	388.39	-	10.36	10.36	10.71	10.67	-
152	Residential building construction	344.75	350.99	343.00	346.13	-	9.63	9.59	9.80	9.75	-
153	Operative builders	314.89	316.99	325.40	337.20	-	8.58	8.32	8.28	8.43	-
154	Nonresidential building construction	395.26	406.26	430.73	428.35	-	11.01	11.10	11.61	11.64	-
16	HEAVY CONSTRUCTION CONTRACTORS	454.62	467.16	474.41	473.61	-	11.17	11.45	11.98	11.87	-
161	Highway and street construction	376.99	401.53	370.60	392.12	-	9.24	9.89	9.43	9.73	-
162	Heavy construction, except highway	479.89	494.87	508.98	503.07	-	11.82	12.07	12.72	12.64	-
17	SPECIAL TRADE CONTRACTORS	421.48	440.19	441.60	444.29	-	11.94	12.06	12.51	12.48	-
171	Plumbing, heating, air conditioning	439.57	453.47	461.84	460.37	-	12.01	12.19	12.55	12.51	-
172	Painting, paper hanging, decorating	368.40	391.65	393.30	389.41	-	11.03	11.19	11.50	11.32	-
173	Electrical work	500.71	514.52	518.36	520.50	-	13.46	13.54	13.86	13.88	-
174	Masonry, stonework, and plastering	387.89	406.81	403.14	415.19	-	11.51	11.69	12.07	12.14	-
175	Carpentering and flooring	349.89	376.88	412.24	411.68	-	10.70	11.02	11.88	11.83	-
176	Roofing and sheet metal work	324.53	356.35	325.68	338.52	-	10.27	10.45	10.82	10.92	-
-	MANUFACTURING	325.85	329.94	346.10	349.05	350.32	8.42	8.46	8.74	8.77	8.78
24, 25, 32-39	DURABLE GOODS	350.84	356.29	372.53	375.19	377.87	8.95	9.02	9.29	9.31	9.33
20-23, 26-31	NONDURABLE GOODS	291.08	294.14	311.20	313.97	314.78	7.66	7.66	8.00	8.03	8.03
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	269.65	283.36	302.59	307.65	314.72	7.21	7.36	7.68	7.73	7.79
241	Logging camps and logging contractors	322.42	375.06	389.22	401.56	-	9.40	9.87	9.98	10.27	-
242	Sawmills and planing mills	280.87	296.43	319.20	323.21	-	7.51	7.64	7.98	8.06	-
2421	Sawmills and planing mills, general	295.09	312.76	336.84	341.70	-	7.89	8.04	8.40	8.50	-
2426	Hardwood dimension and flooring	196.88	205.11	217.49	219.05	-	5.25	5.30	5.52	5.49	-
243	Millwork, plywood, and structural members	270.94	278.31	303.34	308.33	-	7.13	7.21	7.66	7.67	-
2431	Millwork	279.85	289.30	310.84	314.31	-	7.25	7.38	7.81	7.78	-
2434	Wood kitchen cabinets	253.64	253.88	262.89	275.02	-	6.71	6.77	6.90	6.91	-
2435	Hardwood veneer and plywood	219.79	216.78	233.19	238.94	-	5.83	5.75	6.01	6.08	-
2436	Softwood veneer and plywood	315.84	326.08	384.56	382.34	-	8.40	8.53	9.20	9.28	-
244	Wood containers	206.45	211.25	210.55	209.21	-	5.52	5.53	5.57	5.52	-
245	Wood buildings and mobile homes	245.95	251.25	258.55	264.91	-	6.72	6.70	6.84	6.81	-
2451	Mobile homes	250.13	253.27	269.10	276.46	-	6.67	6.63	6.90	6.86	-
249	Miscellaneous wood products	242.58	242.35	262.51	261.20	-	6.22	6.23	6.53	6.53	-
25	FURNITURE AND FIXTURES	230.02	230.76	251.29	254.28	254.93	6.20	6.22	6.51	6.52	6.52
251	Household furniture	209.51	209.30	230.40	233.96	-	5.74	5.75	6.00	6.03	-
2511	Wood household furniture	192.39	190.80	208.07	212.35	-	5.30	5.30	5.49	5.53	-
2512	Upholstered household furniture	221.96	219.56	245.48	248.45	-	6.20	6.15	6.46	6.47	-
2514	Metal household furniture	232.65	234.69	246.02	253.38	-	5.95	6.08	6.12	6.18	-
2515	Mattresses and bedspreads	228.96	233.68	270.38	269.49	-	6.29	6.35	6.88	6.91	-
252	Office furniture	254.22	257.38	272.38	276.36	-	6.69	6.72	7.02	7.05	-
253	Public building and related furniture	272.20	277.80	290.60	285.84	-	7.07	6.98	7.32	7.20	-
254	Partitions and fixtures	283.11	287.66	310.34	311.47	-	7.47	7.57	8.04	8.09	-
259	Miscellaneous furniture and fixtures	271.26	264.42	289.28	292.23	-	6.85	6.78	7.25	7.18	-

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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
-	TOTAL PRIVATE	34.7	34.8	34.7	34.7	35.0	-	-	-	-	-
-	MINING	42.8	42.7	41.8	41.6	42.1	-	-	-	-	-
10	METAL MINING	39.7	39.6	39.3	39.3	-	-	-	-	-	-
101	Iron ores	41.2	39.1	39.0	38.7	-	-	-	-	-	-
102	Copper ores	37.9	39.1	40.2	40.1	-	-	-	-	-	-
11, 12	COAL MINING	40.1	40.3	39.3	39.4	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	40.1	40.3	39.3	39.4	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	44.4	43.9	42.9	42.6	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.5	40.6	42.9	42.0	-	-	-	-	-	-
138	Oil and gas field services	45.3	45.0	43.0	42.8	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	42.3	43.1	42.1	42.5	-	-	-	-	-	-
142	Crushed and broken stone	43.3	43.6	42.7	43.4	-	-	-	-	-	-
-	CONSTRUCTION	36.6	37.5	36.4	36.7	37.6	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	35.9	36.7	36.3	36.4	-	-	-	-	-	-
152	Residential building construction	35.8	36.6	35.0	35.5	-	-	-	-	-	-
153	Operative builders	36.7	38.1	39.3	40.0	-	-	-	-	-	-
154	Nonresidential building construction	35.9	36.6	37.1	36.8	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	40.7	40.8	39.6	39.9	-	-	-	-	-	-
161	Highway and street construction	40.8	40.6	39.3	40.3	-	-	-	-	-	-
162	Heavy construction, except highway	40.6	41.0	39.7	39.8	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	35.3	36.5	35.3	35.6	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	36.6	37.2	36.8	36.8	-	-	-	-	-	-
172	Painting, paper hanging, decorating	33.4	35.0	34.2	34.4	-	-	-	-	-	-
173	Electrical work	37.2	38.0	37.4	37.5	-	-	-	-	-	-
174	Masonry, stonework, and plastering	33.7	34.8	33.4	34.2	-	-	-	-	-	-
175	Carpentering and flooring	32.7	34.2	34.7	34.8	-	-	-	-	-	-
176	Roofing and sheet metal work	31.6	34.1	30.1	31.0	-	-	-	-	-	-
-	MANUFACTURING	38.7	39.0	39.6	39.8	39.9	2.1	2.2	2.5	2.7	2.7
24, 25, 32-39	DURABLE GOODS	39.2	39.5	40.1	40.3	40.5	2.0	2.2	2.5	2.6	2.6
20-23, 28-31	NONDURABLE GOODS	38.0	38.4	38.9	39.1	39.2	2.3	2.4	2.6	2.7	2.8
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	37.4	38.5	39.4	39.8	40.4	2.0	2.3	2.7	2.8	-
241	Logging camps and logging contractors	34.3	38.0	39.0	39.1	-	1.8	2.8	3.0	3.3	-
242	Sawmills and planing mills	37.4	38.8	40.0	40.1	-	2.5	2.9	3.2	3.3	-
2421	Sawmills and planing mills, general	37.4	38.9	40.1	40.2	-	2.7	3.2	3.3	3.4	-
2426	Hardwood dimension and flooring	37.5	38.7	39.4	39.9	-	1.5	1.7	2.7	2.8	-
243	Millwork, plywood, and structural members	38.0	38.6	39.6	40.2	-	1.8	1.8	2.5	2.7	-
2431	Millwork	38.6	39.2	39.8	40.4	-	1.4	1.4	1.8	2.1	-
2434	Wood kitchen cabinets	37.8	37.5	38.1	39.8	-	1.3	1.2	2.0	2.7	-
2435	Hardwood veneer and plywood	37.7	37.7	38.8	39.3	-	2.0	2.1	2.6	2.8	-
2436	Softwood veneer and plywood	37.6	39.4	41.8	41.2	-	2.5	2.7	4.0	3.8	-
244	Wood containers	37.4	38.2	37.8	37.9	-	1.6	2.0	1.6	1.6	-
245	Wood buildings and mobile homes	36.6	37.5	37.8	38.9	-	1.5	1.6	1.9	2.5	-
2451	Mobile homes	37.5	38.2	39.0	40.3	-	1.7	1.7	2.1	2.8	-
249	Miscellaneous wood products	39.0	38.9	40.2	40.0	-	2.2	2.0	2.5	2.4	-
25	FURNITURE AND FIXTURES	37.1	37.1	38.6	39.0	39.1	1.2	1.3	1.9	2.0	-
251	Household furniture	36.5	36.4	38.4	38.8	-	1.0	1.1	1.8	2.0	-
2511	Wood household furniture	36.3	36.0	37.9	38.4	-	1.1	1.2	1.7	1.9	-
2512	Upholstered household furniture	35.8	35.7	38.0	38.4	-	.6	.6	1.3	1.4	-
2514	Metal household furniture	39.1	38.6	40.2	41.0	-	1.9	2.2	2.9	3.1	-
2515	Mattresses and bedsprings	36.4	36.8	39.3	39.0	-	1.1	1.2	1.8	2.5	-
252	Office furniture	38.0	38.3	38.8	39.2	-	1.6	1.9	2.0	2.1	-
253	Public building and related furniture	38.5	39.8	39.7	39.7	-	1.6	1.5	2.7	2.5	-
254	Partitions and fixtures	37.9	38.0	38.6	38.5	-	1.6	1.6	2.2	2.2	-
259	Miscellaneous furniture and fixtures	39.6	39.0	39.9	40.7	-	1.8	1.6	1.6	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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	\$347.93	\$354.24	\$368.85	\$375.56	\$383.97	\$8.72	\$8.79	\$9.13	\$9.16	\$9.23
321	Flat glass	489.77	500.26	500.83	514.94	-	11.47	11.58	11.84	11.92	-
322	Glass and glassware, pressed or blown	370.66	380.03	395.60	402.93	-	9.36	9.43	9.89	9.90	-
3221	Glass containers	391.82	408.70	412.09	420.62	-	9.82	9.92	10.38	10.36	-
3229	Pressed and blown glass, nec	341.43	337.26	372.08	378.22	-	8.71	8.67	9.21	9.27	-
323	Products of purchased glass	315.22	319.20	329.43	332.77	-	7.94	7.96	8.34	8.34	-
324	Cement, hydraulic	497.70	513.36	533.39	516.48	-	12.08	12.43	12.73	12.69	-
325	Structural clay products	288.62	290.32	296.87	305.62	-	7.27	7.24	7.33	7.40	-
326	Pottery and related products	278.78	282.17	294.08	300.68	-	7.26	7.31	7.56	7.69	-
327	Concrete, gypsum, and plaster products	343.44	350.96	359.04	369.82	-	8.48	8.56	8.80	8.89	-
3271	Concrete block and brick	313.40	324.78	324.52	343.43	-	7.57	7.66	7.69	7.77	-
3272	Concrete products, nec	313.70	318.66	326.49	324.12	-	7.67	7.66	7.86	7.81	-
3273	Ready-mixed concrete	366.03	376.40	378.10	398.34	-	9.29	9.41	9.77	9.86	-
329	Misc. nonmetallic mineral products	334.44	339.37	370.06	370.96	-	8.51	8.57	9.07	9.07	-
3291	Abrasive products	317.30	323.47	353.28	360.10	-	8.35	8.49	8.81	8.98	-
3292	Asbestos products	334.66	339.99	399.11	397.03	-	8.67	8.74	9.26	9.32	-
33	PRIMARY METAL INDUSTRIES	434.60	429.73	446.23	450.72	451.60	11.23	11.22	11.24	11.24	11.29
331	Blast furnace and basic steel products	504.62	490.87	489.59	498.92	-	13.21	13.16	12.85	12.76	-
3312	Blast furnaces and steel mills	524.26	507.38	502.54	510.84	-	13.76	13.75	13.33	13.20	-
3317	Steel pipe and tubes	411.73	409.93	431.61	447.53	-	10.75	10.62	10.71	10.81	-
332	Iron and steel foundries	351.75	347.80	381.42	381.40	-	9.38	9.40	9.78	9.83	-
3321	Gray iron foundries	353.77	353.72	388.65	387.39	-	9.51	9.56	9.94	10.01	-
3322	Malleable iron foundries	381.58	387.28	416.85	414.62	-	10.23	10.30	10.58	10.55	-
3325	Steel foundries, nec	343.52	330.30	360.05	364.05	-	9.04	9.00	9.45	9.53	-
333	Primary nonferrous metals	510.07	514.70	555.36	545.81	-	12.72	12.74	13.35	13.28	-
3334	Primary aluminum	545.80	547.29	595.14	571.20	-	13.51	13.48	14.17	14.00	-
335	Nonferrous rolling and drawing	407.43	410.25	448.38	451.56	-	10.06	10.18	10.60	10.65	-
3351	Copper rolling and drawing	349.60	354.12	391.73	395.54	-	8.74	8.92	9.11	9.22	-
3353	Aluminum sheet, plate, and foil	548.22	562.66	593.88	589.53	-	13.21	13.69	14.14	13.97	-
3357	Nonferrous wire drawing and insulating	370.76	369.72	411.18	414.81	-	9.20	9.22	9.79	9.90	-
336	Nonferrous foundries	325.47	332.09	358.57	360.05	-	8.41	8.45	8.81	8.89	-
3361	Aluminum foundries	334.15	339.95	369.24	371.59	-	8.59	8.65	9.05	9.13	-
34	FABRICATED METAL PRODUCTS	338.91	345.93	361.10	365.02	366.83	8.69	8.78	9.05	9.08	9.08
341	Metal cans and shipping containers	495.62	502.12	500.86	510.20	-	11.58	11.65	12.04	12.09	-
3411	Metal cans	517.29	524.36	526.26	535.94	-	12.03	12.11	12.59	12.67	-
342	Cutlery, hand tools, and hardware	315.59	324.17	346.66	351.60	-	8.24	8.42	8.71	8.79	-
3423, 5	Hand and edge tools, and hand saws and blades	296.78	295.16	313.86	316.68	-	7.81	7.85	8.11	8.12	-
3429	Hardware, nec	330.91	346.71	363.41	370.47	-	8.64	8.89	9.04	9.17	-
343	Plumbing and heating, except electric	297.99	296.80	313.56	321.58	-	7.72	7.79	8.04	8.08	-
3432	Plumbing fittings and brass goods	288.67	286.50	301.08	309.23	-	7.44	7.50	7.72	7.75	-
3433	Heating equipment, except electric	299.93	299.52	314.70	315.93	-	7.75	7.80	8.09	8.08	-
344	Fabricated structural metal products	328.10	335.62	344.08	344.66	-	8.50	8.54	8.80	8.77	-
3441	Fabricated structural metal	346.33	356.40	359.60	358.54	-	8.79	8.91	9.15	9.10	-
3442	Metal doors, sash, and trim	254.55	265.67	266.04	267.33	-	6.77	6.76	6.91	6.89	-
3443	Fabricated plate work (boiler shops)	371.15	372.72	393.03	387.30	-	9.42	9.46	9.95	9.88	-
3444	Sheet metal work	330.91	335.34	351.12	351.90	-	8.64	8.71	8.98	9.00	-
3446	Architectural metal work	306.91	316.74	350.24	359.07	-	7.91	8.08	8.80	8.91	-
345	Screw machine products, bolts, etc.	309.50	315.90	331.85	336.84	-	8.06	8.10	8.38	8.40	-
3451	Screw machine products	292.08	291.36	303.03	304.97	-	7.47	7.49	7.75	7.76	-
3452	Bolts, nuts, rivets, and washers	326.59	340.17	360.59	366.79	-	8.64	8.70	8.97	8.99	-
346	Metal forgings and stampings	391.05	403.01	426.22	437.65	-	9.90	10.05	10.32	10.47	-
3462	Iron and steel forgings	413.11	419.43	443.45	445.22	-	10.73	10.81	11.17	11.30	-
3465	Automotive stampings	483.06	497.78	520.99	547.45	-	11.64	11.74	12.06	12.33	-
3469	Metal stampings, nec	297.20	301.82	325.60	327.22	-	7.78	7.86	8.14	8.16	-
347	Metal services, nec	267.11	270.82	286.80	286.63	-	6.92	6.98	7.17	7.13	-
3471	Plating and polishing	263.04	265.87	279.89	279.60	-	6.85	6.87	7.05	6.99	-
3479	Metal coating and allied services	276.12	281.64	305.59	304.50	-	7.08	7.24	7.49	7.50	-
348	Ordnance and accessories, nec	358.43	360.53	381.19	382.42	-	8.85	8.88	9.32	9.35	-
3483	Ammunition, exc. for small arms, nec	323.60	329.67	359.77	366.03	-	8.09	8.14	8.69	8.82	-
349	Misc. fabricated metal products	312.09	319.22	332.48	335.07	-	8.17	8.27	8.46	8.44	-
3494	Valves and pipe fittings	335.53	337.75	347.01	349.44	-	8.67	8.75	8.99	8.96	-
3496	Misc. fabricated wire products	267.75	274.45	288.99	296.51	-	7.14	7.11	7.41	7.45	-
35	MACHINERY, EXCEPT ELECTRICAL	368.15	368.02	378.40	379.20	381.05	9.25	9.27	9.46	9.48	9.55
351	Engines and turbines	434.99	435.34	455.50	460.57	-	11.24	11.22	11.62	11.66	-
3511	Turbines and turbine generator sets	415.36	418.08	442.52	449.80	-	10.41	10.40	11.26	11.33	-
3519	Internal combustion engines, nec	444.27	443.50	463.34	466.50	-	11.63	11.61	11.82	11.84	-
352	Farm and garden machinery	402.27	413.17	413.70	416.34	-	10.21	10.46	10.24	10.28	-
3523	Farm machinery and equipment	420.00	433.92	434.84	438.07	-	10.66	10.93	10.79	10.79	-
353	Construction and related machinery	413.50	401.98	395.97	397.19	-	10.11	10.10	10.05	10.03	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
32	STONE, CLAY, AND GLASS PRODUCTS	39.9	40.3	40.4	41.0	41.6	3.4	3.5	3.5	3.7	-
321	Flat glass	42.7	43.2	42.3	43.2	-	3.9	4.1	4.0	4.2	-
322	Glass and glassware, pressed or blown	39.6	40.3	40.0	40.7	-	4.0	4.0	3.7	3.7	-
3221	Glass containers	39.9	41.2	39.7	40.6	-	4.9	4.8	4.4	4.5	-
3229	Pressed and blown glass, nec	39.2	38.9	40.4	40.8	-	2.7	2.7	2.7	2.7	-
323	Products of purchased glass	39.7	40.1	39.5	39.9	-	2.3	2.9	2.1	2.4	-
324	Cement, hydraulic	41.2	41.3	41.9	40.7	-	2.8	2.5	3.1	2.6	-
325	Structural clay products	39.7	40.1	40.5	41.3	-	2.5	2.3	2.9	3.2	-
326	Pottery and related products	38.4	38.6	38.9	39.1	-	1.8	1.7	1.7	1.7	-
327	Concrete, gypsum, and plaster products	40.5	41.0	40.8	41.6	-	4.7	4.8	5.0	5.1	-
3271	Concrete block and brick	41.4	42.4	42.2	44.2	-	4.1	4.8	5.8	6.5	-
3272	Concrete products, nec	40.9	41.6	41.5	41.5	-	4.3	4.4	4.5	4.0	-
3273	Ready-mixed concrete	39.4	40.0	38.7	40.4	-	4.9	5.1	4.7	5.2	-
329	Misc. nonmetallic mineral products	39.3	39.6	40.8	40.9	-	2.4	2.4	2.6	2.8	-
3291	Abrasive products	38.0	38.1	40.1	40.1	-	1.5	1.4	1.8	2.3	-
3292	Asbestos products	38.6	38.9	43.1	42.6	-	1.8	1.9	2.6	4.7	-
33	PRIMARY METAL INDUSTRIES	38.7	38.3	39.7	40.1	40.0	1.9	1.9	2.5	2.7	-
331	Blast furnace and basic steel products	38.2	37.3	38.1	39.1	-	1.4	1.2	1.6	1.9	-
3312	Blast furnaces and steel mills	38.1	36.9	37.7	38.7	-	1.3	1.2	1.5	1.8	-
3317	Steel pipe and tubes	38.3	38.6	40.3	41.4	-	2.2	1.7	2.3	3.3	-
332	Iron and steel foundries	37.5	37.0	39.0	38.8	-	1.8	1.9	2.1	2.1	-
3321	Gray iron foundries	37.2	37.0	39.1	38.7	-	1.9	2.2	2.3	2.2	-
3322	Malleable iron foundries	37.3	37.6	39.4	39.3	-	1.8	1.9	1.8	1.9	-
3325	Steel foundries, nec	38.0	36.7	38.1	38.2	-	1.5	1.3	1.5	1.6	-
333	Primary nonferrous metals	40.1	40.4	41.6	41.1	-	2.9	2.5	2.6	2.6	-
3334	Primary aluminum	40.4	40.6	42.0	40.8	-	3.9	3.1	2.8	2.9	-
335	Nonferrous rolling and drawing	40.5	40.3	42.3	42.4	-	3.0	2.9	3.9	4.2	-
3351	Copper rolling and drawing	40.0	39.7	43.0	42.9	-	2.6	2.6	3.4	3.7	-
3353	Aluminum sheet, plate and foil	41.5	41.1	42.0	42.2	-	4.3	4.4	5.4	5.3	-
3357	Nonferrous wire drawing and insulating	40.3	40.1	42.0	41.9	-	2.9	2.7	3.6	3.8	-
336	Nonferrous foundries	38.7	39.3	40.7	40.5	-	1.7	1.9	3.0	3.2	-
3361	Aluminum foundries	38.9	39.3	40.8	40.7	-	1.9	1.9	3.0	3.3	-
34	FABRICATED METAL PRODUCTS	39.0	39.4	39.9	40.2	40.4	1.9	2.1	2.3	2.5	-
341	Metal cans and shipping containers	42.8	43.1	41.6	42.2	-	3.9	4.0	4.1	4.4	-
3411	Metal cans	43.0	43.3	41.8	42.3	-	3.9	4.0	4.2	4.4	-
342	Cutlery, hand tools, and hardware	38.3	38.5	39.8	40.0	-	1.1	1.4	1.9	2.3	-
3423, 5	Hand and edge tools, and hand saws and blades	38.0	37.6	38.7	39.0	-	1.1	1.0	1.3	1.4	-
3429	Hardware, nec	38.3	39.0	40.2	40.4	-	1.0	1.6	2.3	2.9	-
343	Plumbing and heating, except electric	38.6	38.1	39.0	39.8	-	1.1	1.2	1.7	1.9	-
3432	Plumbing fittings and brass goods	38.8	38.2	39.0	39.9	-	1.2	1.5	1.8	2.2	-
3433	Heating equipment, except electric	38.7	38.4	38.9	39.1	-	1.0	.9	1.1	1.0	-
344	Fabricated structural metal products	38.6	39.3	39.1	39.3	-	1.8	2.0	2.0	2.0	-
3441	Fabricated structural metal	39.4	40.0	39.3	39.4	-	2.1	2.4	2.3	2.3	-
3442	Metal doors, sash, and trim	37.6	39.3	38.5	38.8	-	1.4	1.9	1.4	1.9	-
3443	Fabricated plate work (boiler shops)	39.4	39.4	39.5	39.2	-	2.0	1.9	2.2	1.7	-
3444	Sheet metal work	38.3	38.5	39.1	39.1	-	1.7	1.8	2.1	2.2	-
3446	Architectural metal work	38.8	39.2	39.8	40.3	-	1.7	1.7	1.8	2.0	-
345	Screw machine products, bolts, etc.	38.4	39.0	39.6	40.1	-	1.5	1.6	2.2	2.4	-
3451	Screw machine products	39.1	38.9	39.1	39.3	-	1.8	1.7	1.7	1.8	-
3452	Bolts, nuts, rivets, and washers	37.8	39.1	40.2	40.6	-	1.2	1.5	2.7	2.9	-
346	Metal forgings and stampings	39.5	40.1	41.3	41.8	-	2.3	2.8	3.2	3.8	-
3462	Iron and steel forgings	38.5	38.8	39.7	39.4	-	1.8	1.9	2.3	2.3	-
3465	Automotive stampings	41.5	42.4	43.2	44.4	-	3.4	4.3	4.3	5.7	-
3469	Metal stampings, nec	38.2	38.4	40.0	40.1	-	1.6	1.7	2.3	2.4	-
347	Metal services, nec	38.6	38.8	40.0	40.2	-	2.2	2.2	2.8	3.1	-
3471	Plating and polishing	38.4	38.7	39.7	40.0	-	2.2	2.2	2.7	2.9	-
3479	Metal coating and allied services	39.0	38.9	40.8	40.6	-	2.2	2.2	3.1	3.5	-
348	Ordinance and accessories, nec	40.5	40.6	40.9	40.9	-	2.3	2.3	2.0	2.2	-
3483	Ammunition, exc. for small arms, nec	40.0	40.5	41.4	41.5	-	1.6	1.9	1.6	1.6	-
349	Misc. fabricated metal products	38.2	38.6	39.3	39.7	-	1.5	1.6	1.7	1.8	-
3494	Valves and pipe fittings	38.7	38.6	38.6	39.0	-	1.8	1.5	1.4	1.3	-
3496	Misc. fabricated wire products	37.5	38.6	39.0	39.8	-	1.4	1.4	1.8	1.8	-
35	MACHINERY, EXCEPT ELECTRICAL	39.8	39.7	40.0	40.0	39.9	2.1	2.1	2.2	2.2	-
351	Engines and turbines	38.7	38.8	39.2	39.5	-	1.1	1.2	1.8	1.9	-
3511	Turbines and turbine generator sets	39.9	40.2	39.3	39.7	-	2.5	2.5	2.8	2.8	-
3519	Internal combustion engines, nec	38.2	38.2	39.2	39.4	-	.5	.6	1.2	1.4	-
352	Farm and garden machinery	39.4	39.5	40.4	40.5	-	1.7	1.8	2.5	2.4	-
3523	Farm machinery and equipment	39.4	39.7	40.3	40.6	-	1.8	2.0	2.5	2.6	-
353	Construction and related machinery	40.9	39.8	39.4	39.6	-	2.3	1.9	1.7	1.9	-

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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$459.08	\$444.53	\$416.52	\$418.18	-	\$11.42	\$11.34	\$10.31	\$10.30	-
3532	Mining machinery	398.11	396.92	414.15	412.68	-	10.13	10.23	10.87	10.86	-
3533	Oil field machinery	419.99	399.75	414.61	416.16	-	9.79	9.75	10.47	10.43	-
3535	Conveyers and conveying equipment	342.68	342.86	342.50	340.45	-	8.61	8.68	8.95	8.82	-
3537	Industrial trucks and tractors	325.50	328.75	338.31	350.06	-	8.68	8.79	8.95	8.93	-
354	Metalworking machinery	378.10	377.39	390.74	391.15	-	9.50	9.53	9.72	9.73	-
3541	Machine tools, metal cutting types	382.39	377.33	376.96	383.85	-	9.73	9.70	9.92	9.97	-
3542	Machine tools, metal forming types	377.48	372.63	396.42	399.25	-	9.96	9.99	10.27	10.37	-
3544	Special dies, tools, jigs, and fixtures	409.41	411.86	429.11	426.42	-	10.01	10.07	10.34	10.30	-
3545	Machine tool accessories	335.43	333.80	345.54	346.04	-	8.69	8.67	8.77	8.85	-
3546	Power driven hand tools	304.18	294.88	298.70	299.53	-	7.74	7.76	7.62	7.70	-
355	Special industry machinery	350.46	351.35	370.40	371.33	-	8.85	8.85	9.26	9.26	-
3551	Food products machinery	362.61	373.41	386.40	387.20	-	9.18	9.22	9.66	9.68	-
3552	Textile machinery	266.70	271.10	287.56	288.95	-	7.00	7.06	7.28	7.26	-
3555	Printing trades machinery	366.43	358.54	377.10	391.41	-	9.23	9.10	9.62	9.57	-
356	General industrial machinery	355.16	359.33	372.49	371.84	-	9.13	9.19	9.43	9.39	-
3561	Pumps and pumping equipment	358.70	366.88	383.76	387.50	-	9.39	9.48	9.84	9.81	-
3562	Ball and roller bearings	354.32	347.91	376.38	380.18	-	8.97	8.99	9.18	9.25	-
3563	Air and gas compressors	381.40	403.79	405.50	396.31	-	9.83	9.97	10.24	10.11	-
3564	Blowers and fans	337.68	341.90	348.94	341.75	-	8.40	8.38	8.68	8.63	-
3566	Speed changers, drives, and gears	369.36	375.55	368.63	369.53	-	9.72	9.78	9.83	9.75	-
3568	Power transmission equipment, nec	334.14	329.12	356.19	369.66	-	8.77	8.73	9.30	9.43	-
357	Office and computing machines	316.61	320.17	341.13	342.74	-	7.76	7.79	8.30	8.38	-
3573	Electronic computing equipment	315.29	320.38	341.55	342.36	-	7.69	7.72	8.25	8.33	-
358	Refrigeration and service machinery	335.62	340.80	357.30	361.78	-	8.54	8.52	9.00	9.09	-
3585	Refrigeration and heating equipment	348.08	350.40	370.67	376.94	-	8.79	8.76	9.24	9.40	-
359	Misc. machinery, except electrical	350.27	349.16	369.72	368.24	-	8.89	8.93	9.36	9.37	-
3592	Carburetors, pistons, rings, valves	414.86	398.58	419.69	421.61	-	10.32	10.22	10.44	10.41	-
3599	Machinery, except electrical, nec	340.73	341.34	361.69	359.33	-	8.67	8.73	9.18	9.19	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	315.54	318.33	344.00	344.86	\$347.04	8.07	8.10	8.60	8.60	\$8.59
361	Electric distributing equipment	299.09	301.40	323.70	322.58	-	7.85	7.89	8.30	8.25	-
3612	Transformers	295.28	301.86	321.50	316.34	-	7.75	7.78	8.16	8.07	-
3613	Switchgear and switchboard apparatus	302.93	302.02	325.08	327.21	-	7.93	7.99	8.40	8.39	-
362	Electrical industrial apparatus	312.86	318.50	339.08	342.94	-	8.19	8.23	8.65	8.66	-
3621	Motors and generators	315.79	328.32	350.54	351.48	-	8.16	8.27	8.72	8.70	-
3622	Industrial controls	295.37	295.88	317.89	327.66	-	7.94	7.89	8.30	8.38	-
363	Household appliances	301.31	294.25	330.72	335.36	-	7.95	7.91	8.48	8.49	-
3632	Household refrigerators and freezers	362.31	332.88	393.31	374.22	-	9.29	9.12	9.64	9.45	-
3633	Household laundry equipment	359.28	357.58	397.20	397.19	-	9.53	9.51	9.98	10.03	-
3634	Electric housewares and fans	227.92	231.00	251.94	258.57	-	6.16	6.16	6.63	6.63	-
364	Electric lighting and wiring equipment	297.55	303.77	323.95	327.57	-	7.61	7.71	7.94	7.97	-
3641	Electric lamps	333.43	336.44	389.73	397.44	-	8.42	8.39	9.17	9.20	-
3643	Current-carrying wiring devices	281.39	286.31	300.03	302.91	-	7.16	7.23	7.39	7.37	-
3644	Noncurrent-carrying wiring devices	294.10	292.18	323.14	327.89	-	7.76	7.75	8.16	8.28	-
3645	Residential lighting fixtures	231.57	230.11	255.23	257.70	-	6.11	6.12	6.18	6.27	-
365	Radio and TV receiving equipment	301.08	295.21	319.59	318.70	-	7.72	7.55	8.05	8.13	-
3651	Radio and TV receiving sets	305.69	301.09	331.85	331.41	-	7.94	7.78	8.38	8.39	-
366	Communication equipment	373.07	376.80	419.40	413.29	-	9.35	9.42	10.33	10.23	-
3661	Telephone and telegraph apparatus	375.09	373.18	411.83	410.22	-	9.52	9.52	10.27	10.23	-
3662	Radio and TV communication equipment	371.33	378.55	423.10	414.72	-	9.26	9.37	10.37	10.24	-
367	Electronic components and accessories	275.18	277.77	300.75	302.35	-	7.02	7.05	7.50	7.54	-
3671-3	Electronic tubes	356.25	361.34	388.80	384.96	-	8.84	8.90	9.60	9.60	-
3674	Semiconductors and related devices	308.44	314.40	336.94	340.45	-	7.97	8.00	8.34	8.49	-
3679	Electronic components, nec	262.02	263.08	283.31	284.01	-	6.60	6.61	7.03	7.03	-
368	Misc. electrical equipment and supplies	352.54	357.94	364.11	370.36	-	8.88	8.86	9.08	9.19	-
3691	Storage batteries	343.42	354.76	373.74	385.43	-	8.92	9.05	9.51	9.66	-
3694	Engine electrical equipment	388.44	390.84	381.35	395.60	-	9.96	9.82	9.51	9.72	-
37	TRANSPORTATION EQUIPMENT	441.45	455.80	480.28	484.26	482.69	10.90	11.09	11.49	11.53	11.52
371	Motor vehicles and equipment	466.83	489.90	505.33	518.73	-	11.47	11.72	11.89	11.98	-
3711	Motor vehicles and car bodies	529.31	555.86	559.34	576.85	-	12.91	13.11	13.13	13.17	-
3713	Truck and bus bodies	372.25	372.53	340.80	356.65	-	9.26	9.29	8.52	8.72	-
3714	Motor vehicle parts and accessories	435.23	455.94	483.21	494.33	-	10.72	10.96	11.29	11.39	-
3715	Truck trailers	302.54	297.83	331.89	326.17	-	7.92	7.90	8.36	8.45	-
372	Aircraft and parts	445.26	450.31	483.55	481.69	-	10.94	11.01	11.68	11.72	-
3721	Aircraft	464.54	473.40	512.93	509.21	-	11.47	11.66	12.48	12.45	-
3724	Aircraft engines and engine parts	444.29	440.36	463.90	467.78	-	10.97	10.90	11.37	11.55	-
3728	Aircraft equipment, nec	410.27	417.90	451.34	445.42	-	9.91	9.95	10.57	10.58	-
373	Ship and boat building and repairing	381.20	385.76	406.42	393.03	-	9.53	9.62	10.06	9.90	-
3731	Shipbuilding and repairing	399.99	406.83	435.23	-	-	9.95	10.07	10.72	-	-
3732	Boat building and repairing	304.20	302.25	305.66	304.07	-	7.80	7.77	7.68	7.64	-
374	Railroad equipment	424.85	432.43	434.72	438.13	-	11.39	11.44	11.44	11.38	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	40.2	39.2	40.4	40.6	-	0.9	1.1	1.8	2.1	-
3532	Mining machinery	39.3	38.8	38.1	38.0	-	1.5	1.0	1.2	1.1	-
3533	Oil field machinery	42.9	41.0	39.6	39.9	-	3.7	2.5	1.8	2.2	-
3535	Conveyers and conveying equipment	39.8	39.5	38.7	38.6	-	2.1	2.2	1.5	1.4	-
3537	Industrial trucks and tractors	37.5	37.4	37.8	39.2	-	1.1	1.3	1.4	1.6	-
354	Metalworking machinery	39.8	39.6	40.2	40.2	-	2.8	2.6	2.8	2.8	-
3541	Machine tools, metal cutting types	39.3	38.9	38.0	38.5	-	2.2	1.7	1.3	1.4	-
3542	Machine tools, metal forming types	37.9	37.3	38.6	38.5	-	1.4	1.3	2.0	2.3	-
3544	Special dies, tools, jigs, and fixtures	40.9	40.9	41.5	41.4	-	4.1	4.0	3.9	3.8	-
3545	Machine tool accessories	38.6	38.5	39.4	39.1	-	1.4	1.2	1.7	1.9	-
3546	Power driven hand tools	39.3	38.0	39.2	38.9	-	1.6	1.3	1.8	1.7	-
355	Special industry machinery	39.6	39.7	40.0	40.1	-	2.2	2.1	2.1	2.3	-
3551	Food products machinery	39.5	40.5	40.0	40.0	-	2.0	2.3	2.0	2.2	-
3552	Textile machinery	38.1	38.4	39.5	39.8	-	.9	.9	1.5	1.6	-
3555	Printing trades machinery	39.7	39.4	39.2	40.9	-	2.8	2.5	2.3	3.3	-
356	General industrial machinery	38.9	39.1	39.5	39.6	-	1.6	1.6	1.8	1.9	-
3561	Pumps and pumping equipment	38.2	38.7	39.0	39.5	-	1.5	1.4	1.3	1.5	-
3562	Ball and roller bearings	39.5	38.7	41.0	41.1	-	1.8	1.6	2.4	2.7	-
3563	Air and gas compressors	38.8	40.5	39.6	39.2	-	2.1	2.6	1.7	1.4	-
3564	Blowers and fans	40.2	40.8	40.2	39.6	-	2.2	2.1	1.4	1.3	-
3566	Speed changers, drives, and gears	38.0	38.4	37.5	37.9	-	1.0	1.1	1.3	1.2	-
3568	Power transmission equipment, nec	38.1	37.7	38.3	39.2	-	1.0	1.0	2.1	2.5	-
357	Office and computing machines	40.8	41.1	41.1	40.9	-	1.9	2.2	2.4	2.3	-
3573	Electronic computing equipment	41.0	41.5	41.4	41.1	-	2.0	2.4	2.7	2.5	-
358	Refrigeration and service machinery	39.3	40.0	39.7	39.8	-	1.6	1.9	1.6	1.8	-
3585	Refrigeration and heating equipment	39.6	40.0	39.9	40.1	-	1.7	1.7	1.5	1.9	-
359	Misc. machinery, except electrical	39.4	39.1	39.5	39.3	-	2.7	2.5	2.4	2.3	-
3592	Carburetors, pistons, rings, valves	40.2	39.0	40.2	40.5	-	2.4	1.7	2.2	3.0	-
3599	Machinery, except electrical, nec	39.3	39.1	39.4	39.1	-	2.7	2.6	2.4	2.1	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	39.1	39.3	40.0	40.1	40.4	1.6	1.7	2.1	2.2	-
361	Electric distributing equipment	38.1	38.2	39.0	39.1	-	1.4	1.4	1.6	1.6	-
3612	Transformers	38.1	38.8	39.4	39.2	-	1.5	1.6	1.8	1.5	-
3613	Switchgear and switchboard apparatus	38.2	37.8	38.7	39.0	-	1.3	1.3	1.5	1.6	-
362	Electrical industrial apparatus	38.2	38.7	39.2	39.6	-	1.3	1.5	1.9	2.0	-
3621	Motors and generators	38.7	39.7	40.2	40.4	-	1.5	1.8	2.2	2.2	-
3622	Industrial controls	37.2	37.5	38.3	39.1	-	.8	1.0	1.6	1.8	-
363	Household appliances	37.9	37.2	39.0	39.5	-	1.0	1.1	1.4	1.9	-
3632	Household refrigerators and freezers	39.0	36.5	40.8	39.6	-	1.1	1.0	1.7	1.7	-
3633	Household laundry equipment	37.7	37.6	39.8	39.6	-	.6	.4	1.3	1.4	-
3634	Electric housewares and fans	37.0	37.5	38.0	39.0	-	1.0	1.0	1.2	1.8	-
364	Electric lighting and wiring equipment	39.1	39.4	40.8	41.1	-	1.5	1.7	2.4	2.8	-
3641	Electric lamps	39.6	40.1	42.5	43.2	-	1.5	1.5	2.6	3.1	-
3643	Current-carrying wiring devices	39.3	39.6	40.6	41.1	-	1.6	1.8	2.6	3.1	-
3644	Noncurrent-carrying wiring devices	37.9	37.7	39.6	39.6	-	1.0	.9	1.4	1.6	-
3645	Residential lighting fixtures	37.9	37.6	41.3	41.1	-	1.1	1.0	1.9	2.1	-
365	Radio and TV receiving equipment	39.0	39.1	39.7	39.2	-	.9	1.2	1.9	1.8	-
3651	Radio and TV receiving sets	38.5	38.7	39.6	39.5	-	.7	1.2	1.8	2.0	-
366	Communication equipment	39.9	40.0	40.6	40.4	-	1.6	1.8	2.2	2.0	-
3661	Telephone and telegraph apparatus	39.4	39.2	40.1	40.1	-	1.4	1.2	2.0	2.0	-
3662	Radio and TV communication equipment	40.1	40.4	40.8	40.5	-	1.7	2.1	2.3	2.0	-
367	Electronic components and accessories	39.2	39.4	40.1	40.1	-	1.9	2.1	2.4	2.4	-
3671-3	Electronic tubes	40.3	40.6	40.5	40.1	-	1.6	1.7	1.9	1.9	-
3674	Semiconductors and related devices	38.7	39.3	40.4	40.1	-	2.0	2.3	2.8	2.9	-
3679	Electronic components, nec	39.7	39.8	40.3	40.4	-	2.0	2.2	2.4	2.5	-
369	Misc. electrical equipment and supplies	39.7	40.4	40.1	40.3	-	1.8	2.1	2.0	2.2	-
3691	Storage batteries	38.5	39.2	39.3	39.9	-	1.2	1.4	1.5	1.5	-
3694	Engine electrical equipment	39.0	39.8	40.1	40.7	-	1.7	2.2	2.1	2.9	-
37	TRANSPORTATION EQUIPMENT	40.5	41.1	41.8	42.0	41.9	2.5	3.0	3.3	3.7	-
371	Motor vehicles and equipment	40.7	41.8	42.5	43.3	-	2.4	3.4	3.7	4.6	-
3711	Motor vehicles and car bodies	41.0	42.4	42.6	43.8	-	2.3	3.6	3.9	5.1	-
3713	Truck and bus bodies	40.2	40.1	40.0	40.9	-	1.8	1.8	2.2	2.7	-
3714	Motor vehicle parts and accessories	40.6	41.6	42.8	43.4	-	2.6	3.5	3.9	4.4	-
3715	Truck trailers	38.2	37.7	39.7	38.6	-	.9	.7	1.5	1.4	-
372	Aircraft and parts	40.7	40.9	41.4	41.1	-	2.7	2.8	3.0	2.8	-
3721	Aircraft	40.5	40.6	41.1	40.9	-	2.2	2.3	2.5	2.4	-
3724	Aircraft engines and engine parts	40.5	40.4	40.8	40.5	-	3.0	3.0	3.2	3.1	-
3728	Aircraft equipment, nec	41.4	42.0	42.7	42.1	-	3.3	3.4	3.6	3.3	-
373	Ship and boat building and repairing	40.0	40.1	40.4	39.7	-	2.5	2.5	3.0	2.8	-
3731	Ship building and repairing	40.2	40.4	40.6	-	-	2.6	2.8	3.2	-	-
3732	Boat building and repairing	39.0	38.9	39.8	39.8	-	1.8	1.5	2.2	2.2	-
374	Railroad equipment	37.3	37.8	38.0	38.5	-	1.2	1.5	1.3	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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	\$428.13	\$439.02	\$470.41	\$475.53	-	\$10.65	\$10.84	\$11.39	\$11.57	-
3761	Guided missiles and space vehicles	434.62	449.96	482.23	487.34	-	10.92	11.11	11.62	11.80	-
379	Miscellaneous transportation equipment	364.83	367.98	403.68	407.12	-	8.77	8.91	9.87	9.81	-
3792	Travel trailers and campers	299.83	300.30	331.30	356.07	-	7.61	7.70	8.16	9.30	-
38	INSTRUMENTS AND RELATED PRODUCTS	314.82	319.60	340.49	339.25	\$342.19	7.97	8.01	8.47	8.46	\$8.47
381	Engineering and scientific instruments	331.67	332.43	366.68	361.56	-	8.23	8.29	8.90	8.84	-
382	Measuring and controlling devices	306.94	315.61	337.11	333.43	-	7.85	7.93	8.47	8.42	-
3822	Environmental controls	281.51	284.52	313.50	305.32	-	7.35	7.39	7.76	7.71	-
3823	Process control instruments	324.00	331.70	333.08	326.09	-	8.00	8.11	8.39	8.34	-
3825	Instruments to measure electricity	320.23	330.37	359.90	357.60	-	8.19	8.28	9.02	8.94	-
383	Optical instruments and lenses	329.11	334.87	379.95	378.71	-	8.29	8.33	8.94	9.06	-
384	Medical instruments and supplies	268.80	272.74	292.07	291.27	-	6.91	6.94	7.32	7.30	-
3841	Surgical and medical instruments	275.58	278.39	298.15	293.72	-	7.03	7.03	7.38	7.38	-
3842	Surgical appliances and supplies	263.64	270.48	288.62	288.40	-	6.83	6.90	7.27	7.21	-
385	Ophthalmic goods	231.04	234.81	250.49	251.62	-	5.97	5.99	6.39	6.37	-
386	Photographic equipment and supplies	434.06	431.39	455.26	457.44	-	10.51	10.42	11.05	11.13	-
387	Watches, clocks, and watchcases	236.29	243.43	243.75	241.54	-	6.09	6.21	6.25	6.29	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	242.95	246.02	263.25	262.96	264.23	6.36	6.39	6.75	6.76	6.81
391	Jewelry, silverware, and plated ware	257.49	257.18	273.56	272.92	-	6.83	6.84	7.18	7.22	-
3911	Jewelry, precious metal	253.48	253.45	264.38	263.38	-	6.88	6.85	7.05	7.08	-
393	Musical instruments	238.26	240.66	262.81	257.36	-	6.27	6.30	6.62	6.65	-
394	Toys and sporting goods	229.42	231.25	249.48	244.35	-	5.99	5.96	6.30	6.31	-
3942, 4	Dolls, games, toys, and children's vehicles	218.66	216.79	236.38	233.58	-	5.80	5.72	6.03	6.02	-
3949	Sporting and athletic goods, nec	239.62	245.74	262.25	259.91	-	6.16	6.19	6.54	6.58	-
395	Pens, pencils, office and art supplies	263.86	261.62	275.77	278.99	-	6.58	6.64	6.86	6.94	-
396	Costume jewelry and notions	205.90	208.67	208.25	211.49	-	5.39	5.42	5.69	5.67	-
3961	Costume jewelry	196.95	197.06	183.38	184.63	-	5.05	5.04	5.30	5.26	-
399	Miscellaneous manufactures	256.96	263.81	286.44	287.17	-	6.78	6.87	7.27	7.27	-
3993	Signs and advertising displays	280.39	281.18	313.20	311.25	-	7.34	7.38	7.83	7.84	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	306.50	311.65	316.61	318.98	319.06	7.97	7.93	8.16	8.20	8.16
201	Meat products	291.08	298.75	289.91	293.31	-	7.66	7.68	7.53	7.54	-
2011	Meat packing plants	367.32	368.34	361.90	367.50	-	9.16	9.14	8.87	8.92	-
2013	Sausages and other prepared meats	343.17	368.12	353.19	355.67	-	8.96	9.18	9.01	9.05	-
2016	Poultry dressing plants	181.41	188.42	187.95	191.30	-	5.11	5.12	5.25	5.27	-
202	Dairy products	327.16	328.80	338.99	340.23	-	7.96	8.00	8.37	8.38	-
2022	Cheese, natural and processed	302.04	301.36	310.34	307.62	-	7.57	7.61	8.04	7.99	-
2026	Fluid milk	340.30	343.62	353.50	356.49	-	8.20	8.30	8.58	8.59	-
203	Preserved fruits and vegetables	261.18	270.27	279.32	281.58	-	7.04	7.07	7.37	7.41	-
2032	Canned specialties	303.77	313.62	338.84	317.81	-	7.71	7.96	8.60	8.43	-
2033	Canned fruits and vegetables	274.08	277.02	292.92	292.61	-	7.27	7.29	7.53	7.62	-
2037	Frozen fruits and vegetables	245.89	254.78	261.75	268.11	-	6.61	6.45	6.87	6.91	-
204	Grain mill products	370.71	366.74	391.70	394.06	-	8.89	8.88	9.26	9.36	-
2041	Flour and other grain mill products	376.16	380.17	436.11	437.05	-	8.83	8.78	9.46	9.46	-
2048	Prepared feeds, nec	297.20	292.70	314.39	321.10	-	7.11	7.07	7.37	7.52	-
205	Bakery products	306.75	315.47	329.24	333.26	-	8.18	8.28	8.71	8.77	-
2051	Bread, cake, and related products	308.55	317.98	330.75	333.27	-	8.25	8.39	8.82	8.84	-
2052	Cookies and crackers	301.27	308.83	324.56	332.43	-	7.57	7.98	8.43	8.59	-
206	Sugar and confectionery products	294.90	306.15	312.39	309.04	-	7.72	7.81	8.01	8.09	-
2061-3	Cane and beet sugar	337.24	361.27	410.86	390.22	-	9.09	9.10	9.69	9.78	-
2065	Confectionery products	257.87	264.96	258.54	259.04	-	6.84	6.90	6.95	7.02	-
207	Fats and oils	343.44	348.04	359.52	373.15	-	8.10	8.17	8.56	8.78	-
208	Beverages	397.55	398.05	403.13	409.54	-	9.72	9.78	10.18	10.29	-
2082	Malt beverages	574.54	566.80	564.44	579.06	-	12.94	13.06	13.70	13.82	-
2086	Bottled and canned soft drinks	280.60	289.35	294.90	296.83	-	7.14	7.27	7.64	7.67	-
209	Misc. foods and kindred products	259.56	262.27	264.25	263.18	-	6.94	6.92	7.22	7.25	-
21	TOBACCO MANUFACTURES	368.20	369.40	378.61	384.08	384.83	10.06	9.93	10.43	10.61	10.66
211	Cigarettes	419.15	422.59	445.32	446.24	-	11.39	11.36	12.37	12.43	-
22	TEXTILE MILL PRODUCTS	214.23	218.86	242.57	246.83	249.69	5.79	5.79	6.11	6.14	6.15
221	Weaving mills, cotton	225.98	224.91	256.00	256.64	-	6.01	5.95	6.40	6.40	-
222	Weaving mills, synthetics	215.49	230.96	259.35	264.87	-	6.07	6.11	6.50	6.54	-
223	Weaving and finishing mills, wool	241.40	239.90	251.86	255.91	-	6.05	6.12	6.36	6.35	-
224	Narrow fabric mills	207.23	210.75	229.25	232.22	-	5.30	5.39	5.76	5.82	-
225	Knitting mills	194.40	198.69	212.62	219.04	-	5.40	5.37	5.61	5.66	-

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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
		TRANSPORTATION EQUIPMENT—Continued									
378	Guided missiles, space vehicles, parts	40.2	40.5	41.3	41.1	-	2.6	2.9	2.9	3.0	-
3761	Guided missiles and space vehicles	39.8	40.5	41.5	41.3	-	2.5	2.9	3.0	3.2	-
379	Miscellaneous transportation equipment	41.6	41.3	40.9	41.5	-	3.2	3.5	3.6	4.6	-
3792	Travel trailers and campers	39.4	39.0	40.6	42.9	-	2.1	1.9	3.1	5.3	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	39.5	39.9	40.2	40.1	40.4	1.6	1.6	1.8	1.7	-
381	Measuring and controlling devices	40.3	40.1	41.2	40.9	-	2.0	2.0	2.5	2.3	-
382	Environmental controls	39.1	39.8	39.8	39.6	-	1.2	1.2	1.5	1.2	-
3822	Process control instruments	38.3	38.5	40.4	39.6	-	1.0	.8	2.2	1.6	-
3823	Instruments to measure electricity	40.5	40.9	39.7	39.1	-	1.4	1.6	1.2	1.1	-
3825	Optical instruments and lenses	39.1	39.9	39.9	40.0	-	1.0	1.1	1.3	1.1	-
383	Medical instruments and supplies	39.7	40.2	42.5	41.8	-	1.7	2.0	2.4	2.4	-
384	Surgical and medical instruments	38.9	39.3	39.9	39.9	-	1.5	1.7	1.9	2.0	-
3841	Surgical appliances and supplies	39.2	39.6	40.4	39.8	-	2.0	2.0	2.1	2.0	-
3842	Ophthalmic goods	38.6	39.2	39.7	40.0	-	1.2	1.5	1.8	2.0	-
385	Photographic equipment and supplies	38.7	39.2	39.2	39.5	-	1.2	1.3	1.6	1.6	-
386	Watches, clocks, and watchcases	41.3	41.4	41.2	41.1	-	2.4	2.2	1.7	1.8	-
387	Watches, clocks, and watchcases	38.8	39.2	39.0	38.4	-	1.3	1.5	2.3	2.2	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	38.2	38.5	39.0	38.9	38.8	1.4	1.6	1.8	1.8	-
391	Jewelry, precious metal	37.7	37.6	38.1	37.8	-	1.2	1.2	1.6	1.5	-
3911	Musical instruments	36.8	37.0	37.5	37.2	-	1.2	1.2	1.5	1.5	-
393	Toys and sporting goods	38.0	38.2	39.7	38.7	-	.5	1.0	1.1	1.1	-
394	Dolls, games, toys, and children's vehicles	38.3	38.8	39.6	39.2	-	1.3	1.4	1.8	1.6	-
3942, 4	Sporting and athletic goods, nec	37.7	37.9	39.2	38.8	-	.9	1.0	1.5	1.4	-
3949	Pens, pencils, office and art supplies	38.9	39.7	40.1	39.5	-	1.8	1.8	2.1	1.9	-
395	Costume jewelry and notions	40.1	39.4	40.2	40.2	-	1.8	1.7	1.9	2.1	-
396	Costume jewelry	38.2	38.5	36.6	37.3	-	2.1	2.2	2.0	2.2	-
3961	Miscellaneous manufactures	39.0	39.1	38.6	35.1	-	3.0	2.9	2.1	2.3	-
399	Signs and advertising displays	37.9	38.4	39.4	39.5	-	1.5	1.6	2.0	2.0	-
3993	Signs and advertising displays	38.2	38.1	40.0	39.7	-	2.1	2.1	2.5	2.4	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	38.7	39.3	38.8	38.9	39.1	3.1	3.3	3.0	3.1	-
201	Meat packing plants	38.0	38.9	38.5	38.9	-	2.8	3.2	3.0	3.1	-
2011	Sausages and other prepared meats	40.1	40.3	40.8	41.2	-	3.5	3.7	4.0	4.2	-
2013	Poultry dressing plants	38.3	40.1	39.2	39.3	-	2.6	3.8	3.1	3.1	-
2016	Dairy products	35.5	36.8	35.8	36.3	-	2.1	2.3	2.1	2.2	-
202	Cheese, natural and processed	41.1	41.1	40.5	40.6	-	3.7	3.9	3.5	3.6	-
2022	Fluid milk	39.9	39.6	38.6	38.5	-	3.2	3.3	3.2	3.3	-
2026	Preserved fruits and vegetables	41.5	41.4	41.2	41.5	-	4.0	4.0	3.8	3.9	-
203	Canned specialties	37.1	38.5	37.9	38.0	-	2.2	2.6	2.3	2.7	-
2032	Canned fruits and vegetables	39.4	39.4	39.4	37.7	-	1.8	1.8	3.1	2.6	-
2033	Frozen fruits and vegetables	37.7	38.0	38.9	38.4	-	2.1	2.5	2.1	2.4	-
2037	Grain mill products	37.2	39.5	38.1	38.8	-	2.8	3.5	1.8	2.7	-
204	Flour and other grain mill products	41.7	41.3	42.3	42.1	-	4.7	4.4	4.7	4.7	-
2041	Prepared feeds, nec	42.6	43.3	46.1	46.2	-	5.5	5.1	6.3	6.2	-
2048	Bakery products	41.8	41.4	42.6	42.7	-	4.7	4.6	5.2	5.3	-
205	Bread, cake, and related products	37.5	38.1	37.8	38.0	-	2.7	2.9	2.8	2.9	-
2051	Cookies and crackers	37.4	37.9	37.5	37.7	-	3.0	3.3	2.9	3.1	-
2052	Sugar and confectionery products	37.8	38.7	38.5	38.7	-	1.8	1.8	2.6	2.5	-
206	Cane and beet sugar	38.2	39.2	39.0	38.2	-	2.0	2.1	2.5	2.1	-
2061-3	Confectionery products	37.1	39.7	42.4	39.9	-	2.9	3.0	4.9	3.6	-
2065	Fats and oils	37.7	38.4	37.2	36.9	-	1.5	1.6	1.5	1.3	-
207	Beverages	42.4	42.6	42.0	42.5	-	4.6	4.7	4.4	4.9	-
208	Malt beverages	40.9	40.7	39.6	39.8	-	4.1	4.3	3.1	3.4	-
2082	Bottled and canned soft drinks	44.4	43.4	41.2	41.9	-	6.4	6.6	4.9	5.7	-
2086	Misc. foods and kindred products	39.3	39.8	38.6	38.7	-	3.2	3.7	2.4	2.4	-
209	Misc. foods and kindred products	37.4	37.9	36.6	36.3	-	2.8	2.9	2.6	2.4	-
TOBACCO MANUFACTURES											
21	Cigarettes	36.6	37.2	36.3	36.2	36.1	.9	1.0	.8	.7	-
211	Cigarettes	36.8	37.2	36.0	35.9	-	1.0	1.0	.6	.7	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	37.0	37.8	39.7	40.2	40.6	2.0	2.1	3.1	3.3	-
221	Weaving mills, synthetics	37.6	37.8	40.0	40.1	-	2.3	2.2	3.4	3.6	-
222	Weaving and finishing mills, wool	35.5	37.8	39.9	40.5	-	1.5	2.0	2.8	3.2	-
223	Narrow fabric mills	39.9	39.2	39.6	40.3	-	2.9	2.9	3.5	3.9	-
224	Knitting mills	39.1	39.1	39.8	39.9	-	1.8	1.8	1.9	2.3	-
225	Knitting mills	36.0	37.0	37.9	38.7	-	1.6	1.7	2.3	2.7	-

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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$178.88	\$181.92	\$207.82	\$214.49	-	\$5.17	\$5.11	\$5.37	\$5.43	-
2252	Hosiery, nec	174.42	184.17	202.88	207.26	-	5.13	5.13	5.41	5.44	-
2253	Knit outerwear mills	194.40	194.93	196.75	199.84	-	5.24	5.24	5.42	5.49	-
2254	Knit underwear mills	165.51	179.39	197.58	197.69	-	5.14	5.14	5.34	5.30	-
2257	Circular knit fabric mills	240.00	233.25	245.00	267.13	-	6.00	5.92	6.25	6.33	-
226	Textile finishing, except wool	241.30	240.24	269.86	271.00	-	6.14	6.16	6.55	6.53	-
2261	Finishing plants, cotton	252.50	243.98	275.39	277.02	-	6.25	6.24	6.62	6.58	-
2262	Finishing plants, synthetics	237.00	240.29	273.36	270.52	-	6.32	6.34	6.90	6.78	-
227	Floor covering mills	219.63	223.56	260.41	266.07	-	5.92	5.93	6.29	6.35	-
228	Yarn and thread mills	198.38	204.92	233.86	237.56	-	5.45	5.45	5.76	5.78	-
2281	Yarn mills, except wool	201.45	204.71	236.16	242.60	-	5.43	5.43	5.76	5.79	-
2282	Throwing and winding mills	188.86	191.30	214.27	216.50	-	5.32	5.27	5.58	5.58	-
229	Miscellaneous textile goods	251.02	257.15	275.78	275.11	-	6.42	6.51	6.71	6.71	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	178.88	180.78	190.28	191.53	\$192.77	5.20	5.18	5.33	5.35	\$5.34
231	Men's and boys' suits and coats	210.10	208.03	212.72	211.70	-	6.02	5.91	6.22	6.19	-
232	Men's and boys' furnishings	168.61	171.24	178.47	179.95	-	4.79	4.77	4.93	4.93	-
2321	Men's and boys' shirts and nightwear	165.32	166.68	171.36	169.10	-	4.67	4.63	4.76	4.75	-
2327	Men's and boys' separate trousers	166.01	167.04	180.36	182.36	-	4.84	4.80	5.01	5.01	-
2328	Men's and boys' work clothing	167.43	171.55	178.72	180.32	-	4.69	4.70	4.91	4.90	-
233	Women's and misses' outerwear	165.89	165.93	180.44	180.08	-	5.12	5.09	5.23	5.25	-
2331	Women's and misses' blouses and waists	161.47	162.32	168.90	166.26	-	4.82	4.76	4.91	4.89	-
2335	Women's and misses' dresses	165.90	162.13	179.28	178.65	-	5.25	5.18	5.40	5.43	-
2337	Women's and misses' suits and coats	178.46	179.60	190.62	193.34	-	5.72	5.63	5.69	5.72	-
2339	Women's and misses' outerwear, nec	164.01	165.00	183.32	181.86	-	4.94	4.94	5.05	5.06	-
234	Women's and children's undergarments	156.98	160.77	172.89	174.35	-	4.70	4.66	4.87	4.87	-
2341	Women's and children's underwear	157.08	159.73	171.24	173.16	-	4.62	4.59	4.81	4.81	-
2342	Brassieres and allied garments	156.47	165.33	181.82	181.30	-	5.13	5.01	5.18	5.18	-
236	Children's outerwear	164.78	169.81	167.43	170.29	-	4.79	4.73	4.77	4.77	-
2361	Children's dresses and blouses	164.43	169.33	165.43	167.55	-	4.78	4.73	4.74	4.76	-
238	Misc. apparel and accessories	184.60	184.25	191.66	189.49	-	5.20	5.19	5.28	5.22	-
239	Misc. fabricated textile products	228.41	237.60	243.32	250.24	-	6.14	6.22	6.32	6.40	-
2391	Curtains and draperies	160.89	166.14	185.76	187.79	-	4.61	4.68	4.85	4.84	-
2392	House furnishing, nec	188.55	192.00	200.63	209.83	-	5.18	5.12	5.35	5.45	-
2396	Automotive and apparel trimmings	421.85	433.49	426.54	435.90	-	10.52	10.73	10.48	10.58	-
26	PAPER AND ALLIED PRODUCTS	380.80	380.22	406.14	409.63	412.72	9.11	9.14	9.67	9.73	9.78
261, 2.6	Paper and pulp mills	472.31	465.96	496.95	500.72	-	10.59	10.59	11.32	11.38	-
262	Paper mills, except building paper	479.88	468.42	501.48	507.10	-	10.57	10.55	11.32	11.37	-
263	Paperboard mills	473.92	474.36	503.22	510.94	-	10.82	10.93	11.73	11.91	-
264	Misc. converted paper products	320.80	322.40	351.46	351.44	-	8.02	8.06	8.51	8.53	-
2641	Paper coating and glazing	384.79	384.47	408.96	409.58	-	9.14	9.22	9.60	9.66	-
2642	Envelopes	293.14	296.56	317.18	319.19	-	7.44	7.47	7.89	7.94	-
2643	Bags, except textile bags	301.20	298.23	321.96	323.58	-	7.53	7.55	7.93	7.97	-
265	Paperboard containers and boxes	322.40	322.81	342.63	348.09	-	8.00	8.05	8.46	8.49	-
2651	Folding paperboard boxes	326.43	330.86	350.21	358.63	-	8.08	8.21	8.69	8.79	-
2653	Corrugated and solid fiber boxes	337.39	336.53	356.65	363.58	-	8.31	8.33	8.72	8.74	-
2654	Sanitary food containers	315.24	320.17	326.02	338.66	-	7.67	7.79	8.03	8.22	-
27	PRINTING AND PUBLISHING	317.34	317.22	338.63	338.10	337.94	8.60	8.62	9.03	9.04	9.06
271	Newspapers	290.18	289.30	303.45	305.03	-	8.82	8.82	9.14	9.16	-
272	Periodicals	321.75	324.25	353.25	348.71	-	8.58	8.74	9.37	9.45	-
273	Books	289.38	295.83	317.52	323.08	-	7.80	7.91	8.10	8.20	-
2731	Book publishing	279.73	286.50	303.03	302.64	-	7.54	7.64	7.81	7.80	-
2732	Book printing	300.95	307.05	335.47	348.13	-	8.09	8.21	8.45	8.66	-
274	Miscellaneous publishing	295.67	287.41	292.99	299.84	-	7.74	7.81	7.94	8.17	-
275	Commercial printing	340.36	339.47	363.72	361.62	-	8.91	8.91	9.35	9.32	-
2751	Commercial printing, letterpress	320.63	318.57	343.04	341.88	-	8.46	8.45	8.91	8.88	-
2752	Commercial printing, lithographic	348.00	347.24	370.72	366.88	-	9.11	9.09	9.53	9.48	-
276	Manifold business forms	333.91	336.10	362.91	360.59	-	8.54	8.64	9.05	9.06	-
278	Blankbooks and bookbinding	252.60	254.31	275.22	274.12	-	6.63	6.64	7.13	7.12	-
279	Printing trade services	392.63	392.17	418.62	418.00	-	10.47	10.43	10.93	11.00	-
28	CHEMICALS AND ALLIED PRODUCTS	398.45	400.25	428.07	432.85	437.63	9.79	9.81	10.39	10.43	10.52
281	Industrial inorganic chemicals	434.96	432.15	471.91	470.68	-	10.82	10.75	11.51	11.48	-
2819	Industrial inorganic chemicals, nec	434.40	435.71	475.94	477.43	-	10.86	10.92	11.58	11.56	-
282	Plastics materials and synthetics	393.26	391.88	427.87	435.97	-	9.71	9.70	10.31	10.43	-
2821	Plastics materials and resins	423.50	434.06	469.69	480.91	-	10.38	10.51	11.13	11.21	-
2824	Organic fibers, noncellulosic	374.66	367.75	406.81	416.42	-	9.39	9.31	9.85	10.01	-
283	Drugs	364.21	366.38	391.00	393.54	-	8.84	8.98	9.56	9.46	-
2834	Pharmaceutical preparations	342.45	347.33	374.95	376.28	-	8.54	8.64	9.19	9.20	-

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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	34.6	35.6	38.7	39.5	-	1.2	1.6	2.3	2.8	-
2252	Hosiery, nec	34.0	35.9	37.5	38.1	-	1.0	1.3	1.9	2.2	-
2253	Knit outerwear mills	37.1	37.2	36.3	36.4	-	1.6	1.6	2.0	2.0	-
2254	Knit underwear mills	32.2	34.9	37.0	37.3	-	.1	.3	1.4	1.2	-
2257	Circular knit fabric mills	40.0	39.4	39.2	42.2	-	2.9	2.6	2.9	4.6	-
226	Textile finishing, except wool	39.3	39.0	41.2	41.5	-	2.6	2.7	4.2	3.8	-
2261	Finishing plants, cotton	40.4	39.1	41.6	42.1	-	3.0	2.4	4.8	3.9	-
2262	Finishing plants, synthetics	37.5	37.9	40.2	39.9	-	2.3	2.8	3.6	3.3	-
227	Floor covering mills	37.1	37.7	41.4	41.9	-	1.6	1.4	4.3	4.4	-
228	Yarn and thread mills	36.4	37.6	40.6	41.1	-	2.1	2.2	3.4	3.8	-
2281	Yarn mills, except wool	37.1	37.7	41.0	41.9	-	2.1	2.4	3.7	4.3	-
2282	Throwing and winding mills	35.5	36.3	38.4	38.8	-	2.0	1.6	2.7	2.7	-
229	Miscellaneous textile goods	39.1	39.5	41.1	41.0	-	2.6	2.6	2.9	3.0	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	34.4	34.9	35.7	35.8	36.1	.8	.9	1.2	1.2	-
231	Men's and boys' suits and coats	34.9	35.2	34.2	34.2	-	.6	.6	.4	.4	-
232	Men's and boys' furnishings	35.2	35.9	36.2	36.5	-	.7	.8	1.1	1.1	-
2321	Men's and boys' shirts and nighwear	35.4	36.0	36.0	35.6	-	.8	.9	1.0	.9	-
2327	Men's and boys' separate trousers	34.3	34.8	36.0	36.4	-	.7	.8	1.2	1.3	-
2328	Men's and boys' work clothing	35.7	36.5	36.4	36.8	-	.7	.9	1.2	1.1	-
233	Women's and misses' outerwear	32.4	32.6	34.5	34.3	-	.8	.7	1.2	1.1	-
2331	Women's and misses' blouses and waists	33.5	34.1	34.4	34.0	-	.8	.8	1.3	1.1	-
2335	Women's and misses' dresses	31.6	31.3	33.2	32.9	-	.8	.6	1.0	.9	-
2337	Women's and misses' suits and coats	31.2	31.9	33.5	33.8	-	.4	.6	.8	.8	-
2339	Women's and misses' outerwear, nec	33.2	33.4	36.3	35.8	-	.9	.8	1.5	1.5	-
234	Women's and children's undergarments	33.4	34.5	35.5	35.8	-	.6	.7	1.0	.9	-
2341	Women's and children's underwear	34.0	34.8	35.6	36.0	-	.6	.7	1.1	1.0	-
2342	Brassieres and allied garments	30.5	33.0	35.1	35.0	-	.6	.6	.6	.5	-
236	Children's outerwear	34.4	35.9	35.1	35.7	-	.5	.9	1.0	.7	-
2361	Children's dresses and blouses	34.4	35.8	34.9	35.2	-	.5	.9	.9	.5	-
236	Misc. apparel and accessories	35.5	35.5	36.3	36.3	-	1.1	1.1	1.6	1.4	-
239	Misc. fabricated textile products	37.2	38.2	38.5	39.1	-	1.6	1.9	1.7	1.9	-
2391	Curtains and draperies	34.9	35.5	38.3	38.8	-	.8	1.5	1.0	1.1	-
2392	House furnishings, nec	36.4	37.5	37.5	38.5	-	1.4	1.5	1.7	1.9	-
2396	Automotive and apparel trimmings	40.1	40.4	40.7	41.2	-	2.8	3.5	2.7	3.4	-
26	PAPER AND ALLIED PRODUCTS	41.8	41.6	42.0	42.1	42.2	4.0	3.7	4.1	4.3	-
261, 2, 6	Paper and pulp mills	44.6	44.0	43.9	44.0	-	6.1	5.6	5.8	5.9	-
262	Paper mills, except building paper	45.4	44.4	44.3	44.6	-	6.3	5.8	5.9	6.0	-
263	Paperboard mills	43.8	43.4	42.9	42.9	-	7.4	6.1	6.7	7.0	-
264	Misc. converted paper products	40.0	40.0	41.3	41.2	-	2.3	2.1	2.7	2.8	-
2641	Paper coating and glazing	42.1	41.7	42.6	42.4	-	2.3	2.2	2.6	2.7	-
2642	Envelopes	39.4	39.7	40.2	40.2	-	1.9	1.9	2.1	2.1	-
2643	Bags, except textile bags	40.0	39.5	40.6	40.6	-	2.4	2.2	2.6	2.8	-
265	Paperboard containers and boxes	40.3	40.1	40.5	41.0	-	2.7	2.6	3.1	3.4	-
2651	Folding paperboard boxes	40.4	40.3	40.3	40.8	-	2.8	2.6	2.9	2.9	-
2653	Corrugated and solid fiber boxes	40.6	40.4	40.9	41.6	-	3.0	3.0	3.5	3.9	-
2654	Sanitary food containers	41.1	41.1	40.6	41.2	-	2.8	2.8	2.7	3.4	-
27	PRINTING AND PUBLISHING	36.9	36.8	37.5	37.4	37.3	2.0	2.0	2.4	2.4	-
271	Newspapers	32.9	32.8	33.2	33.3	-	1.3	1.3	1.2	1.3	-
272	Periodicals	37.5	37.1	37.7	36.9	-	2.1	2.0	2.3	2.0	-
273	Books	37.1	37.4	39.2	39.4	-	1.9	2.1	3.1	3.2	-
2731	Book publishing	37.1	37.5	38.8	38.8	-	1.0	1.5	2.0	1.8	-
2732	Book printing	37.2	37.4	39.7	40.2	-	2.9	2.7	4.4	4.8	-
274	Miscellaneous publishing	38.2	36.8	36.9	36.7	-	1.5	1.5	1.6	2.0	-
275	Commercial printing	38.2	38.1	38.9	38.8	-	2.5	2.4	3.0	2.9	-
2751	Commercial printing, letterpress	37.9	37.7	38.5	38.5	-	2.1	2.1	2.6	2.5	-
2752	Commercial printing, lithographic	38.2	38.2	38.9	38.7	-	2.6	2.5	3.0	2.9	-
276	Manifold business forms	39.1	38.9	40.1	39.8	-	2.1	1.9	2.4	2.4	-
278	Blank books and bookbinding	38.1	38.3	38.6	38.5	-	1.1	1.3	2.0	1.8	-
279	Printing trade service	37.5	37.6	38.3	38.0	-	3.0	2.7	3.7	3.7	-
28	CHEMICALS AND ALLIED PRODUCTS	40.7	40.8	41.2	41.5	41.6	2.7	2.6	2.9	3.0	-
281	Industrial inorganic chemicals	40.2	40.2	41.0	41.0	-	3.0	2.8	2.5	2.5	-
2819	Industrial inorganic chemicals, nec	40.0	39.9	41.1	41.3	-	3.1	2.9	2.4	2.6	-
282	Plastics materials and synthetics	40.5	40.4	41.5	41.8	-	2.5	2.3	2.8	3.1	-
2821	Plastics materials and resins	40.8	41.3	42.2	42.9	-	3.1	3.1	3.5	3.9	-
2824	Organic fibers, noncellulosic	39.9	39.5	41.3	41.6	-	2.0	1.7	2.3	2.7	-
283	Drugs	41.2	40.8	40.9	41.6	-	2.5	2.5	2.9	2.8	-
2834	Pharmaceutical preparations	40.1	40.2	40.8	40.9	-	2.4	2.4	2.9	2.8	-

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. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$356.11	\$366.62	\$387.87	\$387.59	-	\$8.97	\$9.03	\$9.53	\$9.57	-
2841	Soap and other detergents	484.55	499.80	525.16	528.30	-	11.62	11.76	12.27	12.46	-
2844	Toilet preparations	276.05	287.36	305.36	305.73	-	7.17	7.22	7.77	7.74	-
2842, 3	Polishing, sanitation, and finishing preparations	337.98	343.01	367.34	361.20	-	8.60	8.64	9.07	9.03	-
285	Paints and allied products	343.96	355.20	373.82	379.20	-	8.73	8.88	9.23	9.34	-
286	Industrial organic chemicals	494.58	488.31	522.90	538.46	-	11.72	11.71	12.45	12.64	-
2865	Cyclic crudes and intermediates	475.58	457.85	479.40	502.60	-	11.19	11.14	11.75	12.14	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	500.57	498.19	536.78	548.26	-	11.89	11.89	12.66	12.78	-
287	Agricultural chemicals	393.02	398.65	420.16	419.47	-	9.38	9.38	9.98	9.94	-
289	Miscellaneous chemical products	365.42	367.74	387.86	386.38	-	9.09	9.08	9.46	9.47	-
29	PETROLEUM AND COAL PRODUCTS	550.44	549.63	584.32	581.23	\$576.83	12.51	12.52	13.28	13.27	\$13.23
291	Petroleum refining	596.75	596.74	633.59	635.36	-	13.35	13.44	14.27	14.31	-
295	Paving and roofing materials	365.31	391.68	399.60	396.26	-	8.91	9.13	9.25	9.39	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	297.83	300.53	321.55	325.16	323.14	7.54	7.57	7.92	7.95	7.92
301	Tires and inner tubes	466.72	467.48	499.15	511.89	-	11.61	11.60	11.97	12.13	-
302	Rubber and plastics footwear	192.61	201.37	188.49	196.08	-	5.15	5.15	5.15	5.16	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	319.20	321.16	321.58	330.00	-	8.02	8.11	8.08	8.25	-
306	Fabricated rubber products, nec	281.56	280.21	299.30	302.44	-	7.11	7.13	7.52	7.58	-
307	Miscellaneous plastics products	269.10	273.93	295.48	298.07	-	6.83	6.90	7.26	7.27	-
31	LEATHER AND LEATHER PRODUCTS	187.26	191.52	197.06	201.48	204.24	5.32	5.32	5.52	5.52	5.52
311	Leather tanning and finishing	270.40	278.48	299.55	303.69	-	7.06	7.05	7.47	7.48	-
314	Footwear, except rubber	177.66	181.86	182.52	186.90	-	5.12	5.08	5.26	5.25	-
3143	Men's footwear, except athletic	187.97	191.33	196.35	200.57	-	5.31	5.30	5.50	5.48	-
3144	Women's footwear, except athletic	170.52	177.15	171.34	181.09	-	5.03	4.99	5.13	5.13	-
316	Luggage	200.64	202.65	242.06	241.04	-	5.70	5.84	6.37	6.31	-
317	Handbags and personal leather goods	179.71	178.78	188.56	189.15	-	4.91	4.88	5.11	5.14	-
-	TRANSPORTATION AND PUBLIC UTILITIES	394.45	395.61	413.32	414.48	414.86	10.14	10.17	10.68	10.71	10.72
	RAILROAD TRANSPORTATION:										
4011	Class I railroads	460.22	468.54	530.40	-	-	11.22	11.29	12.48	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	241.63	242.82	241.15	247.30	-	7.17	7.10	7.22	7.36	-
411	Local and suburban transportation	296.77	298.31	317.20	315.12	-	7.59	7.61	7.99	8.08	-
413	Intercity highway transportation	403.05	398.56	-	-	-	11.29	11.42	-	-	-
42	TRUCKING AND WAREHOUSING	366.46	397.45	396.72	394.25	-	10.17	10.27	10.44	10.43	-
421, 3	Trucking and trucking terminals	394.06	405.19	405.38	402.88	-	10.37	10.47	10.64	10.63	-
422	Public warehousing	274.08	278.51	282.00	283.50	-	7.27	7.31	7.50	7.56	-
46	PIPE LINES, EXCEPT NATURAL GAS	527.98	526.18	596.94	576.29	-	12.25	12.41	13.85	13.92	-
48	COMMUNICATION	390.45	390.25	413.51	416.13	-	9.91	9.93	10.63	10.67	-
481	Telephone communication	407.25	405.82	442.46	445.17	-	10.31	10.30	11.23	11.27	-
4817	Switchboard operating employees	292.18	293.46	317.52	323.04	-	8.67	8.76	9.71	9.73	-
4818	Line construction employees*	502.74	499.80	546.09	551.20	-	11.97	11.90	12.91	13.00	-
483	Radio and television broadcasting	320.14	327.24	320.02	323.84	-	8.56	8.68	8.72	8.80	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	439.49	436.24	463.30	469.37	-	10.59	10.64	11.30	11.31	-
491	Electric services	448.33	444.64	471.55	479.22	-	10.70	10.74	11.30	11.41	-
492	Gas production and distribution	389.09	392.12	409.24	415.14	-	9.56	9.73	10.18	10.20	-
493	Combination utility services	504.53	501.35	534.97	541.16	-	12.07	12.11	13.08	13.04	-
495	Sanitary services	340.29	343.94	358.18	362.96	-	8.32	8.43	8.91	8.94	-
-	WHOLESALE AND RETAIL TRADE	194.66	197.46	201.90	203.18	205.75	6.16	6.19	6.43	6.45	6.47
50, 51	WHOLESALE TRADE	303.31	306.02	316.74	319.42	323.85	7.94	7.99	8.27	8.34	8.39
50	WHOLESALE TRADE-DURABLE GOODS	304.17	307.67	316.57	320.49	-	7.88	7.95	8.18	8.26	-
501	Motor vehicles and automotive equipment	273.13	275.04	283.08	287.26	-	7.15	7.20	7.43	7.52	-
502	Furniture and home furnishings	269.73	273.43	282.37	284.25	-	7.29	7.37	7.49	7.58	-
503	Lumber and construction materials	301.40	307.67	303.74	308.44	-	7.89	7.95	7.91	7.97	-
504	Sporting goods, toys, and hobby goods	321.00	322.13	334.28	332.11	-	8.55	8.59	8.82	8.88	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	39.7	40.6	40.7	40.5	-	2.1	2.3	2.8	2.6	-
2841	Soap and other detergents	41.7	42.5	42.8	42.4	-	3.4	3.6	4.5	4.2	-
2844	Toilet preparations	38.5	39.8	39.3	39.5	-	1.4	1.7	1.9	1.7	-
2842, 3	Polishing, sanitation, and finishing preparations	39.3	39.7	40.5	40.0	-	1.7	1.6	2.3	2.2	-
285	Paints and allied products	39.4	40.0	40.5	40.6	-	1.9	2.4	2.5	2.8	-
286	Industrial organic chemicals	42.2	41.7	42.0	42.6	-	3.2	2.9	3.1	3.5	-
2865	Cyclic crudes and intermediates	42.5	41.1	40.8	41.4	-	2.7	2.1	2.7	3.2	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	42.1	41.9	42.4	42.9	-	3.3	3.1	3.2	3.6	-
287	Agricultural chemicals	41.9	42.5	42.1	42.2	-	3.8	4.0	3.9	4.0	-
289	Miscellaneous chemical products	40.2	40.5	41.0	40.8	-	2.6	2.3	2.8	2.7	-
	PETROLEUM AND COAL PRODUCTS	44.0	43.9	44.0	43.8	43.6	3.8	4.1	3.9	4.1	-
291	Petroleum refining	44.7	44.4	44.4	44.4	-	3.9	3.9	3.6	4.0	-
295	Paving and roofing materials	41.0	42.9	43.2	42.2	-	4.3	5.5	6.1	5.3	-
	RUBBER AND MISC. PLASTICS PRODUCTS	39.5	39.7	40.6	40.9	40.8	2.4	2.6	3.0	3.3	-
301	Tires and inner tubes	40.2	40.3	41.7	42.2	-	2.5	2.6	2.9	3.2	-
302	Rubber and plastics footwear	37.4	39.1	36.6	38.0	-	.8	1.6	1.0	1.6	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	39.8	39.6	39.8	40.0	-	2.4	2.0	2.1	2.3	-
306	Fabricated rubber products, nec	39.6	39.3	39.8	39.9	-	2.2	2.3	2.3	2.5	-
307	Miscellaneous plastics products	39.4	39.7	40.7	41.0	-	2.6	2.8	3.3	3.5	-
	LEATHER AND LEATHER PRODUCTS	35.2	36.0	35.7	36.5	37.0	1.3	1.4	1.1	1.1	-
311	Leather tanning and finishing	38.3	39.5	40.1	40.6	-	2.6	2.7	3.2	3.4	-
314	Footwear, except rubber	34.7	35.8	34.7	35.6	-	1.2	.8	.8	.8	-
3143	Men's footwear, except athletic	35.4	36.1	35.7	36.6	-	.9	1.0	.6	.6	-
3144	Women's footwear, except athletic	33.9	35.5	33.4	35.3	-	1.4	.9	1.0	1.0	-
316	Luggage	35.2	34.7	38.0	38.2	-	1.7	2.7	2.0	2.1	-
317	Handbags and personal leather goods	36.6	35.9	36.9	36.8	-	1.0	.9	.7	.7	-
	TRANSPORTATION AND PUBLIC UTILITIES	38.9	38.9	38.7	38.7	38.7	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	42.8	41.5	42.5	-	-	-	-	-	-	-
	LOCAL AND INTERURBAN PASSENGER TRANSIT	33.7	34.2	33.4	33.6	-	-	-	-	-	-
411	Local and suburban transportation	39.1	39.2	39.7	39.0	-	-	-	-	-	-
413	Intercity highway transportation	35.7	34.9	-	-	-	-	-	-	-	-
	TRUCKING AND WAREHOUSING	38.0	38.7	38.0	37.8	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.0	38.7	38.1	37.9	-	-	-	-	-	-
422	Public warehousing	37.7	38.1	37.6	37.5	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	43.1	42.4	43.1	41.4	-	-	-	-	-	-
	COMMUNICATION	39.4	39.3	38.9	39.0	-	-	-	-	-	-
481	Telephone communication	39.5	39.4	39.4	39.5	-	-	-	-	-	-
4817	Switchboard operating employees ³	33.7	33.5	32.7	33.2	-	-	-	-	-	-
4818	Line construction employees ³	42.0	42.0	42.3	42.4	-	-	-	-	-	-
483	Radio and television broadcasting	37.4	37.7	36.7	36.8	-	-	-	-	-	-
	ELECTRIC, GAS, AND SANITARY SERVICES	41.5	41.0	41.0	41.5	-	-	-	-	-	-
491	Electric services	41.9	41.4	41.4	42.0	-	-	-	-	-	-
492	Gas production and distribution	40.7	40.3	40.2	40.7	-	-	-	-	-	-
493	Combination utility services	41.8	41.4	40.9	41.5	-	-	-	-	-	-
495	Sanitary services	40.9	40.8	40.2	40.6	-	-	-	-	-	-
	WHOLESALE AND RETAIL TRADE	31.6	31.9	31.4	31.5	31.8	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.2	38.3	38.3	38.3	38.6	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.6	38.7	38.7	38.8	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.2	38.2	38.1	38.2	-	-	-	-	-	-
502	Furniture and home furnishings	37.0	37.1	37.7	37.5	-	-	-	-	-	-
503	Lumber and construction materials	38.2	38.7	38.4	38.7	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.5	37.5	37.9	37.4	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
506	Metals and minerals, except petroleum	\$350.10	\$351.53	\$362.60	\$362.29	-	\$9.00	\$9.06	\$9.02	\$9.08	-
506	Electrical goods	325.20	328.18	343.30	347.49	-	8.36	8.48	8.78	8.91	-
507	Hardware, plumbing, and heating equipment	286.03	287.96	295.29	298.76	-	7.41	7.46	7.65	7.74	-
508	Machinery, equipment, and supplies	315.87	319.84	329.94	333.91	-	8.12	8.18	8.46	8.54	-
509	Miscellaneous durable goods	242.17	247.49	259.08	261.37	-	6.51	6.53	6.80	6.86	-
51	WHOLESALE TRADE-NONDURABLE GOODS	301.18	305.47	316.68	318.94	-	8.01	8.06	8.40	8.46	-
511	Paper and paper products	321.53	328.13	337.13	337.72	-	8.69	8.75	8.99	9.03	-
512	Drugs, proprietaries, and sundries	316.75	327.57	334.68	337.82	-	8.75	8.95	9.07	9.23	-
513	Apparel, piece goods, and notions	262.81	267.55	301.99	304.30	-	7.24	7.33	8.14	8.18	-
514	Groceries and related products	301.55	304.38	320.72	321.86	-	8.02	8.01	8.44	8.47	-
516	Chemicals and allied products	363.56	365.16	375.19	383.52	-	9.37	9.46	9.72	9.91	-
517	Petroleum and petroleum products	376.20	372.56	395.17	393.43	-	9.50	9.48	9.83	9.91	-
518	Beer, wine, and distilled beverages	345.87	352.23	358.92	363.24	-	9.45	9.65	9.97	10.09	-
519	Miscellaneous nondurable goods	249.56	254.65	252.89	255.13	-	6.55	6.58	6.78	6.84	-
52-59	RETAIL TRADE	160.73	162.71	166.42	167.29	\$170.16	5.43	5.46	5.68	5.69	\$5.71
52	BUILDING MATERIALS AND GARDEN SUPPLIES	211.22	215.39	213.06	217.54	-	5.90	5.95	6.14	6.18	-
521	Lumber and other building materials	231.00	235.49	227.41	231.12	-	6.16	6.23	6.37	6.42	-
525	Hardware stores	176.74	178.80	180.61	183.79	-	5.26	5.29	5.44	5.47	-
53	GENERAL MERCHANDISE STORES	151.97	156.06	161.02	162.72	-	5.37	5.40	5.63	5.65	-
531	Department stores	157.07	161.55	165.86	167.60	-	5.57	5.59	5.84	5.86	-
533	Variety stores	123.84	126.15	126.28	127.28	-	4.30	4.35	4.31	4.30	-
539	Misc. general merchandise stores	128.18	129.35	136.20	136.19	-	4.36	4.37	4.54	4.57	-
54	FOOD STORES	216.65	218.79	222.60	223.50	-	7.15	7.15	7.42	7.45	-
541	Grocery stores	225.26	227.49	231.94	233.14	-	7.41	7.41	7.68	7.72	-
546	Retail bakeries	143.71	144.00	138.37	140.16	-	4.99	5.00	5.05	5.06	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	235.62	238.61	242.14	246.42	-	6.30	6.38	6.58	6.66	-
551, 2	New and used car dealers	280.06	284.23	291.02	298.24	-	7.37	7.46	7.74	7.89	-
553	Auto and home supply stores	242.20	243.41	239.40	242.99	-	6.01	6.04	6.00	6.09	-
554	Gasoline service stations	176.79	179.28	177.50	178.37	-	4.98	5.05	5.19	5.17	-
56	APPAREL AND ACCESSORY STORES	133.72	135.80	136.01	138.94	-	4.81	4.85	4.91	4.98	-
561	Men's and boys' clothing and furnishings	168.41	174.51	169.58	173.40	-	5.45	5.54	5.56	5.63	-
562	Women's ready-to-wear stores	116.69	121.05	123.82	124.16	-	4.42	4.50	4.62	4.65	-
565	Family clothing stores	132.63	134.14	136.62	139.03	-	4.72	4.74	4.95	4.93	-
566	Shoe stores	139.93	138.68	137.83	146.92	-	5.07	5.08	4.94	5.21	-
57	FURNITURE AND HOME FURNISHINGS STORES	211.48	210.06	217.70	220.38	-	6.22	6.16	6.46	6.52	-
571	Furniture and home furnishings stores	207.93	208.88	220.59	220.32	-	6.17	6.18	6.45	6.48	-
572	Household appliance stores	222.61	225.50	226.09	230.13	-	6.49	6.48	6.81	6.89	-
573	Radio, television, and music stores	213.21	204.68	208.89	216.69	-	6.18	5.95	6.33	6.43	-
58	EATING AND DRINKING PLACES⁵	105.30	106.90	108.97	110.24	-	4.05	4.08	4.24	4.24	-
59	MISCELLANEOUS RETAIL	165.01	166.70	170.24	171.67	-	5.34	5.36	5.60	5.61	-
591	Drug stores and proprietary stores	146.16	147.10	150.31	150.05	-	5.04	5.09	5.33	5.34	-
594	Miscellaneous shopping goods stores	147.91	150.20	151.04	152.36	-	4.98	4.99	5.12	5.13	-
596	Nonstore retailers	196.38	201.35	208.94	211.53	-	6.08	6.12	6.37	6.41	-
598	Fuel and ice dealers	273.89	266.58	285.01	285.01	-	7.17	7.09	7.56	7.54	-
599	Retail stores, nec	178.95	184.76	183.17	186.05	-	5.39	5.45	5.76	5.76	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁶	240.37	245.39	258.84	260.28	266.45	6.64	6.76	7.19	7.23	7.32
80	BANKING	208.42	211.91	221.91	223.61	-	5.71	5.79	6.13	6.16	-
802	Commercial and stock savings banks	204.77	208.25	216.48	218.16	-	5.61	5.69	5.98	6.01	-
81	CREDIT AGENCIES OTHER THAN BANKS	218.22	221.40	230.84	232.58	-	5.93	6.00	6.29	6.32	-
812	Savings and loan associations	199.63	202.00	204.56	206.78	-	5.53	5.58	5.73	5.76	-
814	Personal credit institutions	221.49	224.69	242.52	242.90	-	5.97	6.04	6.45	6.46	-
83	INSURANCE CARRIERS	279.37	282.72	299.09	301.25	-	7.51	7.60	8.04	8.12	-
831	Life insurance	287.56	289.01	300.74	302.86	-	7.73	7.79	8.15	8.23	-
832	Medical service and health insurance	266.58	272.88	288.80	291.06	-	7.09	7.20	7.62	7.70	-
833	Fire, marine, and casualty insurance	275.28	279.33	300.58	302.37	-	7.44	7.57	8.08	8.15	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry — Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	38.9	38.8	40.2	39.9	-	-	-	-	-	
506	Electrical goods	38.9	38.7	39.1	39.0	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.6	38.6	38.6	38.6	-	-	-	-	-	
508	Machinery, equipment, and supplies	38.9	39.1	39.0	39.1	-	-	-	-	-	
509	Miscellaneous durable goods	37.2	37.9	38.1	38.1	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS	37.6	37.9	37.7	37.7	-	-	-	-	-	
511	Paper and paper products	37.0	37.5	37.5	37.4	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	36.2	36.6	36.9	36.6	-	-	-	-	-	
513	Apparel, piece goods, and notions	36.3	36.5	37.1	37.2	-	-	-	-	-	
514	Groceries and related products	37.6	38.0	38.0	38.0	-	-	-	-	-	
516	Chemicals and allied products	38.8	38.6	38.6	38.7	-	-	-	-	-	
517	Petroleum and petroleum products	39.6	39.3	40.2	39.7	-	-	-	-	-	
518	Beer, wine, and distilled beverages	36.6	36.5	36.0	36.0	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.1	38.7	37.3	37.3	-	-	-	-	-	
52-59	RETAIL TRADE	29.6	29.8	29.3	29.4	29.8	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	35.8	36.2	34.7	35.2	-	-	-	-	-	
521	Lumber and other building materials	37.5	37.8	35.7	36.0	-	-	-	-	-	
525	Hardware stores	33.6	33.8	33.2	33.6	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	28.3	28.9	28.6	28.8	-	-	-	-	-	
531	Department stores	28.2	28.9	28.4	28.6	-	-	-	-	-	
533	Variety stores	28.8	29.0	29.3	29.6	-	-	-	-	-	
539	Misc. general merchandise stores	29.4	29.6	30.0	29.8	-	-	-	-	-	
54	FOOD STORES	30.3	30.6	30.0	30.0	-	-	-	-	-	
541	Grocery stores	30.4	30.7	30.2	30.2	-	-	-	-	-	
546	Retail bakeries	28.8	28.8	27.4	27.7	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.4	37.4	36.8	37.0	-	-	-	-	-	
551.2	New and used car dealers	38.0	38.1	37.6	37.8	-	-	-	-	-	
553	Auto and home supply stores	40.3	40.3	39.9	39.9	-	-	-	-	-	
554	Gasoline service stations	35.5	35.5	34.2	34.5	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	27.8	28.0	27.7	27.9	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	30.9	31.5	30.5	30.8	-	-	-	-	-	
562	Women's ready-to wear stores	26.4	26.9	26.8	26.7	-	-	-	-	-	
565	Family clothing stores	28.1	28.3	27.6	28.2	-	-	-	-	-	
566	Shoe stores	27.6	27.3	27.9	28.2	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.0	34.1	33.7	33.8	-	-	-	-	-	
571	Furniture and home furnishings stores	33.7	33.8	34.2	34.0	-	-	-	-	-	
572	Household appliance stores	34.3	34.8	33.2	33.4	-	-	-	-	-	
573	Radio, television, and music stores	34.5	34.4	33.0	33.7	-	-	-	-	-	
58	EATING AND DRINKING PLACES	26.0	26.2	25.7	26.0	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	30.9	31.1	30.4	30.6	-	-	-	-	-	
591	Drug stores and proprietary stores	29.0	28.9	28.2	28.1	-	-	-	-	-	
594	Miscellaneous shopping goods stores	29.7	30.1	29.5	29.7	-	-	-	-	-	
596	Nonstore retailers	32.3	32.9	32.8	33.0	-	-	-	-	-	
598	Fuel and ice dealers	38.2	37.6	37.7	37.8	-	-	-	-	-	
599	Retail stores, nec	33.2	33.9	31.8	32.3	-	-	-	-	-	
	FINANCE, INSURANCE, AND REAL ESTATE	36.2	36.3	36.0	36.0	36.4	-	-	-	-	
60	BANKING	36.5	36.6	36.2	36.3	-	-	-	-	-	
602	Commercial and stock savings banks	36.5	36.6	36.2	36.3	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.8	36.9	36.7	36.8	-	-	-	-	-	
612	Savings and loan associations	36.1	36.7	35.7	35.9	-	-	-	-	-	
614	Personal credit institutions	37.1	37.2	37.6	37.6	-	-	-	-	-	
63	INSURANCE CARRIERS	37.2	37.2	37.2	37.1	-	-	-	-	-	
631	Life insurance	37.2	37.1	36.9	36.8	-	-	-	-	-	
632	Medical service and health insurance	37.6	37.9	37.9	37.8	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.0	36.9	37.2	37.1	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry—Continued

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
-	SERVICES	\$221.33	\$222.63	\$233.74	\$234.72	\$236.42	\$6.81	\$6.85	\$7.17	\$7.20	\$7.23
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts ²	149.30	152.20	156.22	156.86	-	4.95	4.99	5.19	5.16	-
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	167.82	171.36	179.90	180.83	-	5.07	5.10	5.37	5.35	-
723	Beauty shops ³	149.33	154.92	156.85	156.60	-	4.88	5.03	5.39	5.40	-
73	BUSINESS SERVICES	223.96	227.27	242.42	241.96	-	6.87	6.95	7.28	7.31	-
731	Advertising	321.31	331.87	339.19	336.42	-	8.95	9.27	9.37	9.45	-
734	Services to buildings	148.90	149.76	158.42	161.98	-	5.64	5.63	5.74	5.89	-
737	Computer and data processing services	315.24	319.80	343.88	344.54	-	8.52	8.62	8.84	8.88	-
75	AUTO REPAIR, SERVICES, AND GARAGES	254.48	252.21	256.25	257.37	-	6.75	6.69	6.87	6.90	-
753	Automotive repair shops	283.08	278.97	286.34	287.15	-	7.24	7.19	7.38	7.42	-
76	MISCELLANEOUS REPAIR SERVICES	303.31	303.72	314.77	313.43	-	7.94	7.93	8.24	8.27	-
78	MOTION PICTURES	233.70	222.22	286.83	274.27	-	8.92	8.58	10.43	10.01	-
781	Motion picture production and services	454.86	454.48	548.16	519.55	-	13.30	12.52	14.54	14.08	-
79	AMUSEMENT AND RECREATION SERVICES ..	184.70	186.06	187.62	184.84	-	6.24	6.35	6.36	6.33	-
80	HEALTH SERVICES	223.67	224.98	235.05	236.35	-	6.84	6.88	7.21	7.25	-
801	Offices of physicians	210.81	214.93	225.70	227.37	-	6.65	6.78	7.12	7.15	-
802	Offices of dentists	186.58	187.99	197.25	200.50	-	6.64	6.69	6.97	7.11	-
805	Nursing and personal care facilities	150.72	150.41	156.12	157.44	-	4.80	4.79	5.02	5.03	-
806	Hospitals	251.60	251.88	269.62	271.66	-	7.40	7.43	7.93	7.99	-
81	LEGAL SERVICES	295.14	297.35	315.42	316.12	-	8.53	8.72	9.09	9.11	-
89	MISCELLANEOUS SERVICES	387.87	389.89	411.59	416.45	-	9.92	10.18	10.42	10.49	-
891	Engineering and architectural services	426.27	430.25	453.42	456.19	-	10.93	10.92	11.45	11.52	-
893	Accounting, auditing, and bookkeeping	326.84	317.32	349.92	358.39	-	8.09	8.53	8.64	8.72	-

¹ For coverage of series, see footnote 1, table B-2.

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

³ 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.

⁴ 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.

⁵ Money payments only; tips, not included.

⁶ 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 workers¹ on private nonagricultural payrolls
by industry—Continued**

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
-	SERVICES	32.5	32.5	32.6	32.6	32.7	-	-	-	-	-
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	30.1	30.5	30.1	30.4	-	-	-	-	-	
721	PERSONAL SERVICES: Laundry, cleaning, and garment services	33.1	33.6	33.5	33.8	-	-	-	-	-	
723	Beauty shops	30.6	30.8	29.1	29.0	-	-	-	-	-	
73	BUSINESS SERVICES	32.6	32.7	33.3	33.1	-	-	-	-	-	
731	Advertising	35.9	35.8	36.2	35.6	-	-	-	-	-	
734	Services to buildings	26.4	26.6	27.6	27.5	-	-	-	-	-	
737	Computer and data processing services	37.0	37.1	38.9	38.8	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.7	37.7	37.3	37.3	-	-	-	-	-	
753	Automotive repair shops	39.1	38.8	38.8	38.7	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	38.2	38.3	38.2	37.9	-	-	-	-	-	
78	MOTION PICTURES	26.2	25.9	27.5	27.4	-	-	-	-	-	
781	Motion picture production and services	34.2	36.3	37.7	36.9	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	29.6	29.3	29.5	29.2	-	-	-	-	-	
80	HEALTH SERVICES	32.7	32.7	32.6	32.6	-	-	-	-	-	
801	Offices of physicians	31.7	31.7	31.7	31.8	-	-	-	-	-	
802	Offices of dentists	28.1	28.1	28.3	28.2	-	-	-	-	-	
805	Nursing and personal care facilities	31.4	31.4	31.1	31.3	-	-	-	-	-	
806	Hospitals	34.0	33.9	34.0	34.0	-	-	-	-	-	
81	LEGAL SERVICES	34.6	34.1	34.7	34.7	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	39.1	38.3	39.5	39.7	-	-	-	-	-	
891	Engineering and architectural services	39.0	39.4	39.6	39.6	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	40.4	37.2	40.5	41.1	-	-	-	-	-	

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 ¹				
	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
MANUFACTURING	\$8.20	\$8.22	\$8.47	\$8.48	\$8.49
DURABLE GOODS	8.73	8.78	9.02	9.02	9.04
Lumber and wood products	7.01	7.15	7.43	7.46	-
Furniture and fixtures	6.10	6.11	6.35	6.35	-
Stone, clay, and glass products	8.36	8.43	8.75	8.77	-
Primary metal industries	10.96	10.96	10.90	10.88	-
Fabricated metal products	8.49	8.56	8.80	8.80	-
Machinery, except electrical	9.01	9.04	9.21	9.23	-
Electric and electronic equipment	7.91	7.92	8.38	8.37	-
Transportation equipment	10.57	10.70	11.04	11.04	-
Instruments and related products	7.82	7.85	8.29	8.28	-
Miscellaneous manufacturing industries	6.24	6.26	6.60	6.61	-
NONDURABLE GOODS	7.43	7.43	7.74	7.76	7.75
Food and kindred products	7.62	7.61	7.85	7.89	-
Tobacco manufactures	9.93	9.81	10.32	10.51	-
Textile mill products	5.64	5.63	5.89	5.8 ^o	-
Apparel and other textile products	5.14	5.12	5.24	5.26	-
Paper and allied products	8.69	8.75	9.23	9.26	-
Printing and publishing	8.37	8.40	8.74	8.76	-
Chemicals and allied products	9.48	9.51	10.04	10.07	-
Petroleum and coal products	11.98	11.96	12.72	12.68	-
Rubber and misc. plastics products	7.32	7.33	7.64	7.64	-
Leather and leather products	5.22	5.22	5.44	5.44	-

¹ 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 workers¹ on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
TOTAL PRIVATE:					
Current dollars	\$263.03	\$265.87	\$274.13	\$275.17	\$279.30
Constant (1977) dollars	168.29	168.38	169.85	169.34	-
MINING:					
Current dollars	454.11	453.90	467.74	468.42	\$474.89
Constant (1977) dollars	290.54	287.46	289.80	288.26	-
CONSTRUCTION:					
Current dollars	416.14	431.63	434.98	436.73	\$445.56
Constant (1977) dollars	266.24	273.36	269.50	268.76	-
MANUFACTURING:					
Current dollars	325.85	329.94	346.10	349.05	\$350.32
Constant (1977) dollars	208.48	208.96	214.44	214.80	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	394.45	395.61	413.32	414.48	\$414.86
Constant (1977) dollars	252.37	250.54	256.08	255.06	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	194.66	197.46	201.90	203.18	\$205.75
Constant (1977) dollars	124.54	125.05	125.09	125.03	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	240.37	245.39	258.84	260.28	\$266.45
Constant (1977) dollars	153.79	155.41	160.37	160.17	-
SERVICES:					
Current dollars	221.33	222.63	233.74	234.72	\$236.42
Constant (1977) dollars	141.61	140.99	144.82	144.44	-

¹ 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 workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

Industry division and group	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	Hours				
TOTAL PRIVATE	103.8	105.1	101.2	102.8	105.0
GOODS-PRODUCING	91.4	93.1	85.9	87.9	90.9
MINING	140.6	137.3	108.9	108.0	111.6
CONSTRUCTION	96.1	104.9	84.7	91.5	101.8
MANUFACTURING	88.1	88.7	85.0	86.3	87.9
DURABLE GOODS	87.1	87.3	81.8	83.3	85.1
Lumber and wood products.....	73.6	77.5	82.2	85.7	90.9
Furniture and fixtures.....	85.7	84.9	88.2	90.8	91.8
Stone, clay, and glass products.....	79.5	81.8	75.0	79.0	82.9
Primary metal industries.....	74.5	71.2	63.3	64.7	66.0
Fabricated metal products.....	84.3	84.4	79.6	80.9	82.1
Machinery, except electrical.....	98.7	97.1	80.1	80.2	81.7
Electric and electronic equipment.....	96.9	97.2	95.4	96.9	98.9
Transportation equipment.....	81.5	83.9	81.8	83.4	84.5
Instruments and related products.....	108.1	109.2	101.0	100.9	102.4
Miscellaneous manufacturing industries.....	82.7	83.2	79.9	81.5	81.8
NONDURABLE GOODS	89.7	90.7	89.7	90.8	91.9
Food and kindred products.....	88.5	91.8	88.8	89.2	90.7
Tobacco manufactures.....	82.5	83.2	82.0	80.4	77.6
Textile mill products.....	76.6	76.9	77.5	79.3	80.6
Apparel and other textile products.....	84.9	86.5	85.9	86.6	88.0
Paper and allied products.....	93.3	92.3	91.4	92.2	93.2
Printing and publishing.....	106.2	105.6	107.2	107.5	107.1
Chemicals and allied products.....	96.1	96.3	93.9	94.6	95.9
Petroleum and coal products.....	92.2	93.7	92.9	93.5	95.4
Rubber and misc. plastics products.....	93.4	94.1	94.6	97.8	99.2
Leather and leather products.....	82.5	84.2	78.1	80.4	82.7
SERVICE-PRODUCING	110.7	111.8	109.7	111.0	112.7
TRANSPORTATION AND PUBLIC UTILITIES	102.0	102.7	97.7	98.5	99.5
WHOLESALE AND RETAIL TRADE	103.1	104.9	100.6	102.1	104.2
WHOLESALE TRADE	108.6	109.4	105.2	105.5	106.8
RETAIL TRADE	101.0	103.2	98.8	100.8	103.1
FINANCE, INSURANCE, AND REAL ESTATE	116.1	117.0	115.9	116.9	118.5
SERVICES	121.5	121.9	123.1	124.7	126.2

¹ 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 workers¹ on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

Industry division and group	Apr. 1982	May 1982	Mar. 1983	Apr. 1983P	May 1983P
	Payrolls				
TOTAL PRIVATE	150.0	153.0	152.4	155.5	159.6
GOODS-PRODUCING	135.2	139.0	131.6	135.3	140.5
MINING	214.8	210.2	175.5	175.2	181.3
CONSTRUCTION	134.9	149.0	124.9	134.4	148.9
MANUFACTURING	130.8	132.1	130.9	133.3	135.9
DURABLE GOODS	128.6	129.9	125.4	127.9	131.0
Lumber and wood products	104.1	112.0	123.9	130.0	139.0
Furniture and fixtures	122.4	121.7	132.2	136.4	138.0
Stone, clay, and glass products	119.3	123.7	117.9	124.5	131.7
Primary metal industries	113.0	107.9	96.1	98.3	100.7
Fabricated metal products	123.9	125.5	122.0	124.4	126.2
Machinery, except electrical	145.9	144.0	121.2	121.6	124.8
Electric and electronic equipment	145.1	146.0	152.3	154.6	157.6
Transportation equipment	121.9	127.7	128.9	132.0	133.7
Instruments and related products	162.9	165.2	161.7	161.2	163.9
Miscellaneous manufacturing industries	120.5	121.8	123.7	126.2	127.7
NONDURABLE GOODS	134.5	136.0	140.6	142.6	144.5
Food and kindred products	130.5	135.4	134.7	136.2	137.8
Tobacco manufactures	149.7	149.1	154.3	154.0	149.3
Textile mill products	111.3	111.6	119.0	122.0	124.3
Apparel and other textile products	121.9	123.7	126.3	127.8	129.8
Paper and allied products	142.6	141.6	148.3	150.5	152.9
Printing and publishing	149.2	148.7	158.1	158.7	158.5
Chemicals and allied products	146.3	146.9	151.7	153.4	156.8
Petroleum and coal products	147.3	149.9	157.4	158.4	161.1
Rubber and misc. plastics products	136.2	137.8	144.9	150.2	151.9
Leather and leather products	121.6	124.2	119.7	123.2	126.7
SERVICE-PRODUCING	160.4	162.9	167.1	169.7	173.0
TRANSPORTATION AND PUBLIC UTILITIES	147.9	149.4	149.3	150.8	152.5
WHOLESALE AND RETAIL TRADE	148.5	151.8	151.1	153.9	157.5
WHOLESALE TRADE	159.8	162.2	161.3	163.2	166.3
RETAIL TRADE	142.5	146.2	145.7	148.9	152.8
FINANCE, INSURANCE, AND REAL ESTATE	169.7	174.2	183.6	186.1	191.0
SERVICES	177.8	179.4	189.9	192.9	196.2

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

**C-6. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

Industry	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P
TOTAL PRIVATE	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.8	35.1	34.5	34.8	34.9	35.1
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CONSTRUCTION	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MANUFACTURING	39.1	39.1	39.1	39.0	38.8	38.9	39.0	39.0	39.7	39.2	39.5	40.1	40.0
<i>Overtime hours</i>	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.4	2.4	2.6	2.9	2.7
DURABLE GOODS	39.5	39.6	39.6	39.4	39.1	39.2	39.3	39.3	40.1	39.7	39.9	40.5	40.4
<i>Overtime hours</i>	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.3	2.5	2.8	2.6
Lumber and wood products	38.2	38.4	38.5	38.2	38.4	38.1	38.7	38.8	40.5	39.5	39.5	40.0	40.0
Furniture and fixtures	37.3	37.6	37.4	37.8	37.5	37.5	37.6	37.8	38.6	37.9	38.3	39.3	39.3
Stone, clay, and glass products	40.1	40.3	40.5	40.2	40.2	40.2	40.2	40.1	41.4	40.5	40.6	41.1	41.4
Primary metal industries	38.5	38.8	38.8	38.6	37.8	38.2	38.3	38.8	38.9	39.1	39.4	39.9	40.2
Fabricated metal products	39.4	39.4	39.4	39.2	38.9	39.0	39.2	39.2	39.9	39.6	39.7	40.5	40.4
Machinery, except electrical	39.8	39.7	39.8	39.4	39.2	39.3	39.3	39.3	39.6	39.4	39.7	40.2	40.0
Electric and electronic equipment	39.4	39.4	39.6	39.3	39.0	39.2	39.3	39.4	39.9	39.5	39.8	40.4	40.5
Transportation equipment	40.9	41.3	40.9	40.6	40.1	40.4	40.9	40.1	41.6	41.2	41.7	42.3	41.6
Instruments and related products	40.0	40.1	40.1	40.0	39.9	39.6	39.4	39.7	40.4	39.7	40.0	40.5	40.5
Miscellaneous manufacturing and	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
NONDURABLE GOODS	38.5	38.5	38.5	38.5	38.6	38.5	38.6	38.6	39.1	38.5	39.0	39.4	39.3
<i>Overtime hours</i>	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.5	2.6	2.6	2.7	3.0	2.9
Food and kindred products	39.4	39.4	39.4	39.2	39.4	39.5	39.4	39.1	39.3	39.0	39.2	39.6	39.2
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	37.7	37.7	37.7	38.1	38.1	38.3	38.8	38.9	39.7	39.0	39.6	40.6	40.5
Apparel and other textile products	34.9	35.1	35.1	35.0	35.1	35.1	35.0	35.1	36.6	35.2	35.6	36.1	36.1
Paper and allied products	41.8	41.9	41.9	41.7	41.6	41.7	41.7	41.7	41.8	41.4	42.1	42.3	42.5
Printing and publishing	37.0	37.0	37.0	36.9	37.0	37.1	37.1	37.1	37.5	37.1	37.4	37.7	37.4
Chemicals and allied products	40.9	40.9	40.8	40.9	41.0	40.8	40.7	40.9	41.0	41.0	41.2	41.5	41.7
Petroleum and coal products	43.8	44.0	43.4	44.0	44.2	43.8	44.1	44.4	44.5	44.4	44.9	43.5	43.5
Rubber and misc. plastics products	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Leather and leather products	35.7	35.8	36.0	36.0	35.7	35.4	35.8	35.8	36.3	34.9	36.0	37.0	36.7
TRANSPORTATION AND PUBLIC UTILITIES	39.1	39.1	38.9	39.2	38.8	38.8	38.9	38.9	38.7	38.6	38.8	38.9	38.9
WHOLESALE AND RETAIL TRADE	32.0	31.9	32.0	32.0	31.9	31.9	31.8	32.1	31.9	31.4	31.7	31.7	32.0
WHOLESALE TRADE	38.4	38.4	38.5	38.5	38.4	38.4	38.4	38.4	38.5	38.2	38.4	38.5	38.7
RETAIL TRADE	30.0	29.9	29.9	29.9	29.9	29.9	29.8	30.1	29.9	29.3	29.7	29.6	30.0
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.7	32.6	32.6	32.6	32.8	32.6	32.6	32.6	32.9	32.5	32.7	32.7	32.9

¹ For coverage of series, see footnote 1, table B-2.

² 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.
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 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	1982								1983				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^p	May ^p
TOTAL PRIVATE	105.6	105.0	104.8	104.2	103.9	102.9	102.5	102.6	104.1	102.2	103.1	103.9	105.2
GOODS-PRODUCING	93.5	92.1	91.7	90.2	88.9	87.4	86.8	86.5	90.0	87.2	87.8	89.6	90.8
MINING	138.8	132.8	129.6	125.7	122.8	119.0	117.5	116.5	118.4	111.6	110.7	109.8	111.7
CONSTRUCTION	104.5	101.1	101.9	100.5	98.2	97.0	97.2	96.5	106.2	94.7	94.3	96.3	100.2
MANUFACTURING	89.2	88.5	87.9	86.6	85.6	84.0	83.3	83.1	85.5	84.1	85.4	87.4	87.9
DURABLE GOODS	87.6	86.6	86.0	83.9	82.0	79.9	79.0	78.8	81.4	80.4	81.6	83.8	84.7
Lumber and wood products	77.6	77.9	77.7	76.9	77.4	76.1	78.1	78.6	84.9	83.1	85.1	87.8	89.4
Furniture and fixtures	86.3	86.8	85.3	87.5	85.3	84.3	84.5	85.2	88.0	84.7	87.9	91.8	92.8
Stone, clay, and glass products	81.1	80.6	81.2	79.9	79.3	78.2	76.7	75.8	78.9	76.6	78.1	80.2	82.1
Primary metal industries	71.3	70.5	68.7	67.3	63.6	60.9	59.6	60.0	61.2	61.0	62.2	63.7	65.8
Fabricated metal products	85.1	83.6	83.4	81.5	79.7	77.9	77.0	76.9	79.2	78.9	79.4	81.4	82.2
Machinery, except electrical	97.6	94.0	91.7	88.0	85.8	82.3	80.4	79.6	79.4	78.4	78.7	79.9	81.4
Electric and electronic equipment	98.1	97.4	97.3	95.6	93.5	92.3	91.8	91.2	94.3	93.2	95.2	97.7	98.8
Transportation equipment	83.3	83.6	84.2	80.4	78.3	75.2	74.6	75.0	79.4	80.1	81.0	83.7	82.7
Instruments and related products	109.6	108.8	108.5	107.2	105.9	103.0	101.2	100.9	102.7	99.1	100.6	102.2	102.7
Miscellaneous manufacturing ind	83.8	83.0	83.8	82.1	80.8	80.9	79.4	78.4	81.0	77.7	80.7	82.7	82.4
NONDURABLE GOODS	91.6	91.2	90.7	90.5	90.8	90.1	89.7	89.5	91.7	89.6	91.0	92.7	92.8
Food and kindred products	95.7	95.0	96.0	94.7	95.2	96.4	95.5	94.2	95.1	93.8	94.1	96.0	94.7
Tobacco manufactures	92.1	95.1	91.6	94.3	89.9	87.8	82.3	93.6	94.6	82.4	89.6	89.9	85.5
Textile mill products	76.8	74.7	74.8	75.4	75.3	75.5	75.2	74.6	78.2	75.4	77.6	80.1	80.3
Apparel and other textile products	85.7	86.2	83.6	84.5	85.2	84.4	83.9	83.6	90.0	85.0	85.5	87.3	87.5
Paper and allied products	93.2	92.6	92.6	91.8	92.3	91.2	91.2	90.8	91.2	90.4	92.1	92.9	94.1
Printing and publishing	106.1	106.2	105.6	105.1	105.6	105.6	105.6	105.6	107.0	105.6	106.5	108.1	107.5
Chemicals and allied products	96.3	95.5	94.4	95.0	95.5	93.9	93.5	93.9	93.8	93.6	93.7	94.7	95.5
Petroleum and coal products	94.3	92.8	91.9	93.1	95.7	93.4	93.9	94.2	95.4	96.2	97.6	94.6	94.6
Rubber and misc. plastics products	95.0	95.3	95.2	94.0	92.9	89.8	89.1	90.0	91.1	90.9	94.9	98.0	99.8
Leather and leather products	82.6	82.8	81.5	82.2	81.0	78.4	79.9	78.1	81.0	76.4	79.9	81.7	81.5
SERVICE-PRODUCING	112.3	112.1	112.1	111.9	112.2	111.5	111.3	111.5	111.9	110.5	111.6	111.8	113.2
TRANSPORTATION AND PUBLIC UTILITIES	103.3	103.0	102.2	102.1	101.2	100.6	100.7	100.5	98.7	98.0	99.1	99.7	99.9
WHOLESALE AND RETAIL TRADE	105.6	105.2	105.5	105.2	105.1	104.3	103.5	104.0	104.3	102.1	103.9	103.4	104.8
WHOLESALE TRADE	109.8	109.5	109.4	108.8	108.4	107.7	107.2	106.7	106.8	105.5	106.1	106.4	107.2
RETAIL TRADE	104.0	103.6	104.0	103.8	103.8	103.0	102.1	103.0	103.4	100.8	103.0	102.3	103.9
FINANCE, INSURANCE, AND REAL ESTATE	117.6	117.0	117.0	116.8	117.0	116.7	116.8	117.2	117.8	116.4	116.4	117.4	118.9
SERVICES	122.2	122.3	122.1	122.1	123.3	122.5	122.8	122.9	124.1	122.5	123.9	124.7	126.4

¹ 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 workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1982										1983			
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. ^P	May ^P	
Hourly Earnings Index² (1977=100)														
TOTAL PRIVATE (in current dollars)	147.5	148.0	148.8	149.6	150.0	150.7	151.1	151.9	152.7	153.4	153.4	153.9	154.7	
MINING	156.5	159.2	160.9	161.0	162.8	162.1	162.9	163.0	164.7	165.1	164.0	165.5	166.1	
CONSTRUCTION	140.4	140.5	141.2	141.4	141.6	142.9	141.9	144.0	144.0	145.7	145.5	145.9	146.2	
MANUFACTURING	151.8	152.5	153.3	154.1	154.6	154.7	155.3	155.8	156.5	157.3	157.1	157.0	157.6	
TRANSPORTATION AND PUBLIC UTILITIES	147.6	148.5	148.8	149.9	150.1	151.1	152.2	153.1	154.4	155.2	155.9	155.7	156.3	
WHOLESALE AND RETAIL TRADE	144.6	144.6	145.2	145.8	146.2	147.1	147.5	148.1	148.9	149.3	149.6	150.5	151.4	
FINANCE, INSURANCE, AND REAL ESTATE ³	147.8	146.8	148.2	150.1	150.6	152.0	152.7	153.0	156.7	157.4	156.7	157.4	159.5	
SERVICES	146.4	147.4	148.5	149.4	149.8	150.6	150.7	152.0	152.2	152.4	152.6	153.8	155.2	
TOTAL PRIVATE (in 1977 dollars) ⁴	93.5	92.8	92.8	93.0	93.1	93.1	93.4	94.1	94.7	95.3	95.0	94.8	-	
Average hourly earnings														
TOTAL PRIVATE	\$7.65	\$7.67	\$7.70	\$7.73	\$7.73	\$7.76	\$7.78	\$7.82	\$7.88	\$7.91	\$7.91	\$7.95	\$7.99	
MINING	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
CONSTRUCTION	11.57	11.57	11.63	11.65	11.66	11.77	11.71	11.88	11.86	12.00	12.00	12.02	11.91	
MANUFACTURING	8.47	8.51	8.54	8.56	8.57	8.58	8.61	8.63	8.68	8.76	8.75	8.78	8.79	
TRANSPORTATION AND PUBLIC UTILITIES	10.24	10.29	10.31	10.38	10.39	10.45	10.51	10.58	10.66	10.70	10.77	10.75	10.80 ⁵	
WHOLESALE AND RETAIL TRADE	6.18	6.20	6.23	6.24	6.24	6.29	6.32	6.33	6.35	6.39	6.40	6.43	6.46	
FINANCE, INSURANCE, AND REAL ESTATE	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	
SERVICES	6.85	6.89	6.95	6.98	7.00	7.03	7.04	7.09	7.11	7.14	7.15	7.19	7.24	
Average weekly earnings														
TOTAL PRIVATE:														
Current dollars	267.75	267.66	268.73	269.00	269.00	269.27	269.97	272.14	276.59	272.90	275.27	277.46	280.45	
1977 dollars ⁴	169.78	167.93	167.54	167.18	166.98	166.32	166.96	158.61	171.48	169.61	170.45	170.85	-	

¹ For coverage of series, see footnote 1, table B-2.

² 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.

³ 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.

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

⁵ See footnote 2, table C-6.

^P preliminary.

NOTE: See note on table C-7.

C-9. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	March R1983	April R1983	May P1983	May 1982 to May 1983	Mar. 1983 to Apr. 1983	Apr. 1983 to May 1983
TOTAL	164,398	165,920	167,408	-0.3	0.9	0.9
PRIVATE SECTOR	133,359	134,486	136,367	-0.2	0.7	1.4
MINING	2,199	2,185	2,223	-15.8	-0.6	1.8
CONSTRUCTION	7,122	7,237	7,568	-2.4	1.6	4.6
MANUFACTURING	77,430	37,933	38,340	-1.6	1.3	1.1
DURABLE GOODS	21,905	22,238	22,595	-2.8	1.5	1.6
NONDURABLE GOODS	15,525	15,694	15,746	0.3	1.1	0.3
TRANSPORTATION AND PUBLIC UTILITIES	10,022	10,093	10,127	-2.9	0.7	0.3
WHOLESALE AND RETAIL TRADE	33,656	33,629	34,180	-0.4	-0.1	1.6
FINANCE, INSURANCE, AND REAL ESTATE	10,095	10,148	10,299	1.8	0.5	1.5
SERVICES	33,037	33,261	33,630	3.8	0.7	1.1
GOVERNMENT	30,839	31,434	31,042	-0.6	1.9	-1.2

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1—Chapter 13, Productivity Measures: Business Economy and Major Sectors.

² "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, business sector, seasonally adjusted

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1980		1981				1982				1983
	1981	1982	III	IV	I	II	III	IV	I	II	III	IV	I
BUSINESS SECTOR:													
Output per hour of all persons	100.7	101.0	98.9	99.4	100.7	100.7	101.0	100.3	100.1	100.4	101.3	102.0	102.6
Output	108.9	106.4	105.3	107.0	109.1	109.1	109.6	107.8	106.3	106.4	106.7	105.9	107.1
Hours	108.1	105.4	106.5	107.7	108.3	108.3	108.5	107.4	106.2	106.0	105.3	103.9	104.5
Compensation per hour	144.1	154.5	133.1	136.2	140.0	142.5	145.7	148.3	151.1	153.5	155.9	158.0	159.8
Real compensation per hour	96.0	97.0	96.9	96.3	96.5	96.3	95.7	95.7	96.8	97.1	96.7	97.6	98.8
Unit labor costs	143.1	153.1	134.7	137.0	139.0	141.5	144.2	147.9	150.9	152.9	153.8	154.9	155.8
Unit nonlabor payments	135.2	138.5	120.6	124.6	131.7	133.4	137.4	138.4	136.3	137.0	139.9	140.7	r145.3
Implicit price deflator	140.4	148.1	129.9	132.8	136.5	138.8	141.9	144.6	145.9	147.5	149.1	150.1	r152.2
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	99.9	99.9	98.4	99.2	100.4	100.1	100.0	99.1	r99.3	99.5	100.4	100.4	101.6
Output	108.6	105.8	105.3	107.3	109.2	109.0	109.1	107.1	106.0	106.1	106.3	104.9	106.5
Hours	108.7	105.9	107.0	108.2	108.8	108.9	109.1	108.0	106.7	106.6	105.9	104.5	104.8
Compensation per hour	143.6	154.0	132.6	135.7	139.6	142.0	145.1	147.7	150.6	152.8	155.3	157.4	159.7
Real compensation per hour	95.7	96.7	96.5	96.0	96.2	96.0	95.3	95.3	96.5	96.6	96.4	97.2	r98.7
Unit labor costs	143.8	154.1	134.7	136.8	139.1	141.9	145.1	149.0	151.6	153.5	154.7	156.7	157.2
Unit nonlabor payments	134.8	138.8	120.3	124.4	131.5	132.9	136.7	138.3	136.7	137.2	140.1	141.2	r145.7
Implicit price deflator	140.8	149.0	129.9	132.7	136.5	138.9	142.3	145.5	146.6	148.1	149.8	151.5	r153.3
MANUFACTURING:													
Output per hour of all persons	104.6	103.6	100.3	103.7	105.2	105.1	105.1	103.0	102.4	102.6	104.4	104.7	r106.8
Output	105.9	96.5	99.9	105.0	106.7	107.5	107.4	102.0	98.2	97.0	96.6	94.2	r96.9
Hours	101.2	93.2	99.6	101.3	101.4	102.3	102.2	99.0	95.9	94.5	92.5	90.0	r90.7
Compensation per hour	146.5	158.9	135.3	138.5	142.6	145.0	147.4	151.0	155.1	158.1	160.5	162.2	r164.9
Real compensation per hour	97.6	99.8	98.5	97.9	98.4	98.0	96.8	97.4	99.4	100.0	99.6	100.2	r102.0
Unit labor costs	140.0	153.4	134.9	133.6	135.5	138.0	140.3	146.6	151.5	154.0	153.6	155.0	r154.4
DURABLE GOODS													
Output per hour of all persons	103.6	101.8	98.4	102.3	104.2	104.1	103.8	101.8	100.6	100.8	102.6	103.0	r105.3
Output	106.1	94.2	98.8	104.9	107.0	108.2	107.8	101.6	96.8	95.2	94.2	90.5	r93.7
Hours	102.5	92.5	100.4	102.6	102.6	103.9	103.8	99.8	96.2	94.4	91.8	87.8	r88.9
Compensation per hour	146.7	159.3	135.0	138.6	142.8	144.9	147.3	151.4	155.3	158.2	161.1	162.8	r165.4
Real compensation per hour	97.7	100.0	98.3	98.0	98.5	97.9	96.8	97.7	99.5	100.1	100.0	100.6	r102.3
Unit labor costs	141.6	156.5	137.3	135.6	137.0	139.2	142.0	148.8	154.3	156.9	156.9	158.0	r157.1
NONDURABLE GOODS													
Output per hour of all persons	106.3	106.2	103.2	105.8	106.8	106.6	107.1	104.8	105.1	105.3	107.1	107.0	r108.9
Output	105.6	100.1	101.5	105.1	106.4	106.5	106.9	102.6	100.4	99.6	100.2	99.7	r101.6
Hours	99.3	94.2	98.4	99.3	99.7	99.9	99.7	97.9	95.5	94.6	93.6	93.2	93.3
Compensation per hour	145.8	158.6	135.4	137.6	141.9	144.5	146.9	149.9	154.7	157.9	159.8	162.3	r165.0
Real compensation per hour	97.1	99.6	98.6	97.3	97.8	97.7	96.5	96.7	99.1	99.9	99.2	100.2	r102.0
Unit labor costs	137.1	149.3	131.2	130.1	132.9	135.6	137.1	143.1	147.2	150.0	149.2	151.6	r151.4
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	102.1	102.9	100.6	101.1	102.3	102.2	102.3	101.7	101.8	102.4	103.6	103.7	p104.9
Output	110.7	107.5	107.1	109.0	111.0	111.1	111.5	109.4	107.9	107.8	108.0	106.2	p107.9
Hours	108.5	104.5	106.5	107.8	108.5	108.7	109.1	107.6	106.0	105.2	104.2	102.4	p102.8
Compensation per hour	143.6	154.2	132.6	135.6	139.6	142.0	144.9	147.8	150.9	153.2	155.4	157.4	p159.5
Real compensation per hour	95.7	96.8	96.6	95.9	96.3	95.9	95.2	95.4	96.7	96.9	96.4	97.2	p98.6
Total unit costs	143.4	154.4	132.9	135.8	138.3	141.7	144.7	149.1	151.8	153.8	154.8	157.3	p157.3
Unit labor costs	140.6	149.9	131.9	134.1	136.5	138.9	141.7	145.4	148.3	149.5	150.0	151.8	p152.1
Unit nonlabor costs	151.4	167.2	135.7	140.7	143.4	149.6	153.1	159.6	161.8	166.0	168.3	172.9	p172.1
Unit profits	101.6	85.3	87.8	90.5	104.7	98.8	105.2	97.6	86.1	82.3	89.6	83.1	p98.3
Implicit price deflator	138.6	146.5	127.7	130.6	134.5	136.8	140.2	143.2	144.3	145.6	147.3	148.8	p150.5

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	1981 III	1981 IV	1982 I	1982 II	1982 III	1982 IV	1980 IV	1981 I	1981 II	1981 III	1981 IV	1982 I
	to 1981 IV	to 1982 I	to 1982 II	to 1982 III	to 1982 IV	to 1983 I	to 1981 IV	to 1982 I	to 1982 II	to 1982 III	to 1982 IV	to 1983 I
BUSINESS SECTOR:												
Output per hour of all persons	-2.8	-0.8	1.3	3.7	2.6	2.2	1.0	-0.6	-0.3	0.3	1.7	2.5
Output	-6.4	-5.4	0.6	1.1	-3.0	r4.7	0.7	-2.6	-2.4	-2.6	-1.7	0.8
Hours	-3.7	-4.6	-0.7	-2.5	-5.5	r2.4	-0.3	-1.9	-2.1	-2.9	-3.3	-1.6
Compensation per hour	7.5	7.6	6.7	6.3	5.5	r4.6	8.9	7.9	7.7	7.0	6.5	5.8
Real compensation per hour	0.2	4.5	1.3	-1.4	3.5	r5.0	-0.6	0.2	0.8	1.1	1.9	2.1
Unit labor costs	10.6	8.5	5.3	2.4	2.9	r2.3	7.9	8.6	8.0	6.7	4.7	r3.2
Unit nonlabor payments	2.9	-5.9	2.1	8.9	2.3	r13.6	11.0	3.5	2.7	1.8	1.7	r6.6
Implicit price deflator	8.0	3.7	4.3	4.4	2.7	r5.8	8.9	6.9	6.3	5.1	3.8	4.3
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-3.4	0.7	0.9	3.4	0.4	r4.7	0.0	-1.1	-0.6	0.4	1.3	2.3
Output	-7.1	-4.2	0.6	0.7	-5.0	6.2	-0.2	-3.0	-2.6	-2.5	-2.0	0.5
Hours	3.8	-4.8	-0.2	-2.6	-5.4	1.4	-0.2	-1.9	-2.1	-2.9	-3.3	-1.7
Compensation per hour	7.4	7.9	6.0	6.6	5.5	r6.0	8.9	7.9	7.6	7.0	6.5	r6.0
Real compensation per hour	0.2	4.8	0.7	-1.1	3.5	r6.4	-0.6	0.2	0.7	1.1	1.9	r2.3
Unit labor costs	11.2	7.2	5.1	3.1	5.1	r1.2	8.9	9.0	8.2	6.6	5.1	3.6
Unit nonlabor payments	5.0	-4.8	1.6	8.8	3.0	r13.5	11.2	4.0	3.3	2.5	2.0	r6.6
Implicit price deflator	9.2	3.3	4.0	4.9	4.5	r5.0	9.6	7.4	6.6	5.3	4.1	4.6
MANUFACTURING:												
Output per hour of all persons	-7.9	-2.1	0.9	7.3	1.0	r8.3	-0.7	-2.7	-2.4	-0.6	1.7	r4.3
Output	-18.7	-13.8	-5.1	-1.5	-9.6	r11.8	-2.9	-8.0	-9.8	-10.0	-7.6	r-1.4
Hours	-11.7	-12.0	-5.9	-8.1	-10.5	r3.3	-2.2	-5.4	-7.6	-9.5	-9.2	-5.5
Compensation per hour	9.9	11.5	7.8	6.2	4.5	r6.8	9.0	8.7	9.0	8.9	7.5	r6.3
Real compensation per hour	2.5	8.3	2.4	-1.5	2.4	r7.2	-0.5	1.0	2.1	2.9	2.9	r2.6
Unit labor costs	19.4	13.9	6.9	-1.0	3.5	r-1.4	9.8	11.8	11.6	9.5	5.7	r1.9
DURABLE GOODS												
Output per hour of all persons	-7.6	-4.5	0.9	7.3	1.5	r9.1	-0.5	-3.5	-3.1	-1.1	1.2	r4.7
Output	-21.1	-17.5	-6.4	-4.2	-14.9	r14.8	-3.2	-9.5	-12.0	-12.6	-10.9	r-3.3
Hours	-14.6	-13.6	-7.2	-10.7	-16.2	r5.2	-2.8	-6.3	-9.1	-11.6	-12.0	r-7.6
Compensation per hour	11.4	10.8	7.7	7.5	4.4	r6.4	9.2	8.7	9.2	9.3	7.6	r6.5
Real compensation per hour	3.9	7.6	2.3	-0.3	2.4	r6.8	-0.3	1.0	2.2	3.3	3.0	r2.8
Unit labor costs	20.6	15.9	6.7	0.1	2.9	r-2.4	9.7	12.7	12.7	10.5	6.2	1.8
NONDURABLE GOODS												
Output per hour of all persons	-8.6	1.3	0.7	7.0	-0.2	r7.4	-1.0	-1.6	-1.3	-0.1	2.2	r3.7
Output	-15.1	-8.3	-3.2	2.5	-1.9	r7.9	-2.4	-5.6	-6.5	-6.2	-2.8	r1.3
Hours	-7.1	-9.5	-3.9	-4.2	-1.7	r0.5	-1.4	-4.1	-5.3	-6.2	-4.9	-2.3
Compensation per hour	8.4	13.5	8.5	4.9	6.4	r6.9	8.9	9.0	9.2	8.8	8.3	r6.7
Real compensation per hour	1.1	10.2	3.1	-2.7	4.4	r7.3	-0.6	1.3	2.2	2.8	3.6	r2.9
Unit labor costs	18.6	12.0	7.8	-2.0	6.6	r-0.5	10.0	10.8	10.6	8.8	6.0	r2.9
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-2.3	0.4	2.7	4.6	0.4	p4.6	0.5	-0.5	0.2	1.3	2.0	p3.1
Output	-7.5	-5.2	-0.4	0.6	-6.3	p6.3	0.3	-2.7	-3.0	-3.2	-2.9	p-0.1
Hours	-5.2	-5.6	-3.0	-3.8	-6.7	p1.6	-0.2	-2.2	-3.2	-4.4	-4.8	p-3.0
Compensation per hour	8.3	8.6	6.2	5.9	5.4	p5.4	9.0	8.1	7.9	7.2	6.5	p5.7
Real compensation per hour	1.0	5.4	0.9	-1.8	3.3	p5.8	-0.5	0.4	1.0	1.4	1.9	p2.0
Total unit costs	12.8	7.4	5.4	2.5	6.8	p0.0	9.8	9.7	8.5	7.0	5.5	p3.6
Unit labor costs	10.9	8.1	3.4	1.2	5.0	p0.8	8.4	8.6	7.6	5.8	4.4	p2.6
Unit nonlabor costs	17.8	5.7	10.7	5.9	11.4	p-2.0	13.4	12.8	10.9	9.9	8.4	p6.4
Unit profits	-25.9	-39.4	-16.7	40.8	-25.9	p95.4	7.9	-17.8	-16.7	-14.8	-14.8	p14.1
Implicit price deflator	8.9	3.0	3.8	4.7	4.2	p4.7	9.6	7.3	6.4	5.1	3.9	p4.3

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
ALABAMA	\$288.17	\$300.89	\$303.91	39.1	35.8	40.2	\$7.37	\$7.56	\$7.56
Birmingham	322.14	308.50	305.76	39.0	39.5	39.1	8.26	7.81	7.82
Mobile	395.20	394.11	392.24	41.6	38.3	39.5	9.50	10.29	9.93
ALASKA	448.81	464.54	(*)	34.9	35.6	(*)	12.86	13.06	(*)
ARIZONA	329.84	348.96	351.05	38.0	39.7	39.4	8.68	8.79	8.91
ARKANSAS	254.65	274.53	275.52	38.7	39.5	39.7	6.58	6.95	6.94
Fayetteville—Springdale	236.98	245.75	249.40	39.3	38.7	39.4	6.03	6.35	6.33
Fort Smith	245.80	269.31	275.97	37.7	38.2	39.2	6.52	7.05	7.04
Little Rock—North Little Rock	293.37	324.80	324.00	38.5	40.0	40.0	7.62	8.12	8.10
Pine Bluff	339.49	357.69	360.77	41.1	40.6	40.4	8.26	8.81	8.93
CALIFORNIA	353.47	371.54	375.56	38.8	39.4	39.7	9.11	9.43	9.46
COLORADO	334.23	348.88	350.73	39.0	39.2	39.1	8.57	8.90	8.97
Denver—Boulder	336.87	304.19	365.10	38.9	39.5	39.3	8.66	9.22	9.29
CONNECTICUT	330.08	352.56	356.75	40.6	40.9	41.1	8.13	8.62	8.68
Bridgeport	339.90	368.02	378.56	41.2	40.8	41.6	8.25	9.02	9.10
Hartford	354.14	382.34	382.30	40.8	41.2	40.8	8.68	9.28	9.37
New Britain	329.26	355.29	362.26	40.4	40.1	41.0	8.15	8.86	8.86
New Haven—West Haven	306.50	332.28	333.68	38.7	39.0	38.8	7.92	8.52	8.60
Stamford	298.19	333.04	334.22	39.6	39.6	39.6	7.53	8.41	8.44
Waterbury	270.24	309.12	299.17	39.8	42.0	41.9	6.79	7.36	7.14
DELAWARE	337.15	363.51	377.31	38.4	40.3	41.6	8.78	9.02	9.07
Wilmington	386.45	417.74	422.10	38.3	40.4	42.0	10.09	10.34	10.05
DISTRICT OF COLUMBIA:									
Washington SMSA	361.57	366.27	363.39	38.1	38.8	38.7	9.49	9.44	9.39
FLORIDA	269.10	293.79	293.46	39.0	40.3	40.2	6.90	7.29	7.30
Fort Lauderdale—Hollywood	254.41	280.84	283.18	38.9	41.3	41.1	6.54	6.80	6.89
Jacksonville	309.29	333.31	334.12	39.5	41.2	41.3	7.83	8.09	8.09
Lakeland—Winter Haven	287.68	284.26	288.80	39.9	39.1	39.4	7.21	7.27	7.33
Miami	222.14	230.49	230.44	38.3	39.0	38.6	5.80	5.91	5.97
Orlando	291.67	308.86	304.91	39.9	40.8	40.6	7.31	7.57	7.51
Pensacola	330.34	359.92	351.85	41.5	41.9	41.2	7.96	8.59	8.54
Tampa—St. Petersburg	257.18	300.66	299.43	37.6	41.3	41.3	6.84	7.28	7.25
West Palm Beach—Boca Raton	280.37	350.04	320.74	39.6	43.7	41.6	7.08	8.01	7.71
GEORGIA	258.23	284.92	282.69	38.6	40.3	40.5	6.69	7.07	6.98
Atlanta	311.85	339.95	326.88	38.5	39.9	39.1	8.10	8.52	8.36
Savannah	373.15	414.92	404.02	43.9	46.0	45.6	8.50	9.02	8.86
HAWAII	286.77	324.23	322.82	36.3	39.3	38.8	7.90	8.25	8.32
Honolulu	291.51	319.94	324.37	36.9	38.5	38.8	7.90	8.31	8.36
IDAHO	296.28	311.35	325.63	36.0	36.5	37.3	8.23	8.53	8.73
Boise City	285.60	301.18	302.63	35.7	37.0	36.2	8.00	8.14	8.36
ILLINOIS	361.77	375.96	383.91	38.9	39.7	40.2	9.30	9.47	9.55
Bloomington—Normal	301.82	369.00	366.30	35.3	41.0	40.7	8.55	9.00	9.00
Champaign—Urbana—Rantoul	326.13	343.07	332.63	37.4	37.7	37.0	8.72	9.10	8.99
Chicago SMSA	332.83	370.51	376.75	38.3	39.5	39.7	8.69	9.38	9.49
Davenport—Rock Island—Moline	441.69	473.54	475.75	37.4	39.2	38.9	11.81	12.08	12.23
Decatur	452.76	473.18	470.45	39.2	40.1	39.7	11.55	11.80	11.85
Kankakee	313.21	312.37	323.33	37.6	38.9	38.4	8.33	8.02	8.42
Peoria	482.48	387.76	408.87	37.2	37.0	38.5	12.97	10.48	10.62
Rockford	363.01	378.40	390.93	38.7	40.0	41.5	9.38	9.46	9.42
Springfield	406.53	442.80	454.44	39.7	40.0	42.0	10.24	11.07	10.82
INDIANA	382.00	400.60	407.02	39.3	40.1	40.5	9.72	9.99	10.05
Gary—Hammond—East Chicago	504.53	(*)	(*)	38.9	(*)	(*)	12.97	(*)	(*)
Indianapolis	389.37	(*)	(*)	40.1	(*)	(*)	9.71	(*)	(*)
IOWA	389.78	392.00	398.56	38.9	39.2	39.5	10.02	10.00	10.09
Cedar Rapids	404.21	411.83	409.90	40.3	40.1	39.3	10.03	10.27	10.43
Des Moines	412.54	419.25	434.64	38.7	37.4	38.6	10.66	11.21	11.26

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
IOWA—Continued									
Dubuque	\$439.43	\$394.82	\$431.59	35.2	38.0	41.3	\$11.21	\$10.39	\$10.45
Sioux City	336.94	373.52	382.42	39.5	40.6	40.9	8.53	9.20	9.35
Waterloo—Cedar Falls	500.63	487.15	490.92	38.1	35.8	40.1	13.14	12.24	12.22
KANSAS									
Topeka	330.00	356.57	356.85	39.1	38.8	39.0	8.44	9.19	9.15
Wichita	313.02	318.86	325.60	37.0	36.4	37.0	8.46	8.76	8.80
Wichita	362.86	418.00	403.56	39.7	41.8	40.6	9.14	10.00	9.94
KENTUCKY									
Lexington—Fayette	313.66	334.37	334.37	37.7	38.7	38.7	8.32	8.64	8.64
Lexington—Fayette	328.59	370.26	375.75	37.9	39.6	39.1	8.67	9.35	9.61
Louisville	366.31	392.03	386.45	38.6	39.4	38.8	9.49	9.95	9.96
LOUISIANA									
Baton Rouge	383.64	381.84	387.25	40.9	39.9	39.8	9.38	9.57	9.73
Baton Rouge	473.10	473.62	474.41	41.5	40.9	39.9	11.40	11.58	11.85
New Orleans	362.86	347.91	341.94	35.7	38.7	37.7	9.14	8.99	9.07
Shreveport	320.05	368.54	383.76	38.7	39.5	40.1	8.27	9.33	9.57
MAINE									
Lewiston—Auburn	283.61	298.98	296.91	40.4	39.6	39.8	7.02	7.55	7.46
Lewiston—Auburn	215.28	236.73	242.78	36.8	39.0	39.8	5.85	6.07	6.10
Portland	265.69	283.13	285.01	38.9	37.7	37.8	6.83	7.51	7.54
MARYLAND									
Baltimore	336.59	355.81	358.70	38.6	39.8	39.9	8.72	8.94	8.99
Baltimore	358.66	362.99	383.80	39.5	40.7	40.7	9.08	9.41	9.43
MASSACHUSETTS									
Boston	292.74	314.02	314.01	39.4	39.8	39.9	7.43	7.89	7.87
Boston	312.42	338.84	337.66	39.2	39.4	39.4	7.97	8.60	8.57
Brockton	235.93	246.89	250.75	38.3	38.1	38.4	6.16	6.48	6.53
Fall River	207.68	221.79	227.55	35.5	35.6	37.0	5.85	6.23	6.15
Lawrence—Haverhill	298.90	312.40	308.50	35.8	40.0	39.4	7.51	7.81	7.83
Lowell	259.49	272.08	281.39	38.5	38.0	38.6	6.74	7.16	7.25
New Bedford	255.84	266.58	263.75	38.3	37.6	37.2	6.68	7.09	7.09
Springfield—Chicopee—Holyoke	298.15	324.81	323.60	40.4	40.5	40.5	7.38	8.02	7.95
Worcester	301.86	317.54	318.27	39.0	39.3	39.1	7.74	8.08	8.14
MICHIGAN									
Ann Arbor	449.72	476.36	488.50	40.4	41.8	42.4	11.12	11.41	11.53
Ann Arbor	491.25	486.08	501.59	42.3	42.0	42.3	11.60	11.58	11.86
Battle Creek	436.47	467.91	479.34	39.1	40.4	41.2	11.15	11.58	11.63
Bay City	378.99	415.95	420.90	39.7	41.0	41.4	9.54	10.15	10.16
Detroit	493.73	514.45	510.82	41.6	42.5	42.4	11.85	12.10	12.05
Flint	514.33	563.03	591.96	39.4	42.9	44.6	13.05	13.13	13.27
Grand Rapids	371.61	393.75	408.12	39.6	40.6	41.3	9.38	9.69	9.89
Jackson	398.84	411.65	401.93	40.3	42.7	41.6	9.89	9.65	9.66
Kalamazoo—Portage	397.30	431.51	442.69	39.5	40.3	41.4	10.06	10.72	10.70
Lansing—East Lansing	464.83	530.08	594.52	38.1	41.7	45.2	12.18	12.70	13.17
Muskegon—Norton Shores—Muskegon Heights	365.18	399.36	399.49	38.4	39.3	39.4	9.60	10.16	10.14
Saginaw	487.55	539.67	571.23	39.4	41.2	42.6	12.37	13.08	13.40
MINNESOTA									
Duluth—Superior	352.29	375.25	366.31	39.1	39.5	38.6	9.01	9.50	9.45
Duluth—Superior	314.22	357.19	354.05	36.2	36.9	36.5	8.68	9.68	9.70
Minneapolis—St. Paul	368.87	395.02	382.46	39.2	39.7	38.4	9.41	9.95	9.96
St. Cloud	274.12	306.61	307.35	35.6	37.3	37.3	7.70	8.22	8.24
MISSISSIPPI									
Jackson	246.27	258.33	261.89	38.6	39.2	39.5	6.38	6.59	6.63
Jackson	271.83	300.29	302.65	39.8	40.2	40.3	6.83	7.47	7.51
MISSOURI									
Kansas City	320.26	343.78	348.65	38.4	39.2	39.8	8.34	8.77	8.76
Kansas City	361.52	386.86	394.13	38.5	39.8	40.3	9.39	9.72	9.78
St. Joseph	291.45	307.19	311.76	37.9	37.1	38.3	7.69	8.28	8.14
St. Louis	371.67	396.60	399.99	39.0	39.7	40.2	9.53	9.99	9.95
Springfield	303.55	328.84	327.62	40.8	40.9	40.8	7.44	8.04	8.03
MONTANA									
.....	372.88	404.37	404.71	38.6	39.8	39.6	9.66	10.16	10.22
NEBRASKA									
Lincoln	332.81	344.92	347.38	39.2	39.6	39.7	8.49	8.71	8.75
Lincoln	309.96	332.76	329.36	36.9	37.9	37.3	8.40	8.78	8.83
Omaha	321.96	343.07	348.46	37.7	37.7	38.0	8.54	9.10	9.17
NEVADA									
Las Vegas	322.81	342.62	349.71	36.6	37.9	38.9	8.82	9.04	8.99
Las Vegas	396.98	408.49	(*)	37.7	38.5	(*)	10.53	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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
NEW HAMPSHIRE	\$271.26	\$292.18	\$292.66	39.6	40.3	40.2	\$6.85	\$7.25	\$7.28
Manchester	255.96	269.74	270.97	39.5	38.7	39.5	6.48	6.97	6.86
Nashua	310.82	348.12	348.02	39.9	41.1	40.8	7.79	8.47	8.53
NEW JERSEY	342.57	370.27	371.45	39.9	40.6	40.6	8.60	9.12	9.15
Atlantic City	263.82	303.22	320.54	37.8	40.7	42.4	6.98	7.45	7.56
Camden ¹	362.80	395.60	390.44	40.9	40.7	39.8	8.86	9.72	9.81
Hackensack ²	300.84	324.82	325.20	39.8	40.2	40.0	7.57	8.08	8.13
Jersey City ³	324.14	341.38	335.51	40.1	40.4	39.8	8.09	8.45	8.44
New Brunswick—Perth Amboy—Sayreville ⁴	386.75	414.73	414.50	40.6	40.7	40.4	9.53	10.19	10.26
Newark ⁵	349.20	380.66	381.36	40.1	40.8	40.7	8.71	9.33	9.37
Paterson—Clifton—Passaic ⁶	322.10	359.04	356.06	40.1	40.8	40.6	8.04	8.80	8.77
Trenton	341.40	361.89	370.27	39.5	40.3	40.6	8.65	8.98	9.12
NEW MEXICO	276.83	299.44	309.78	39.1	39.4	40.6	7.08	7.60	7.63
Albuquerque	295.86	294.97	308.38	35.5	35.7	41.9	7.49	7.43	7.36
NEW YORK	319.66	340.86	342.52	38.7	39.0	39.1	8.26	8.74	8.76
Albany—Schenectady—Troy	329.34	363.20	365.22	38.7	40.0	40.4	8.51	9.08	9.04
Binghamton	276.93	330.48	(*)	39.5	40.6	(*)	7.01	8.14	(*)
Buffalo	418.57	439.79	443.55	35.6	40.2	40.4	10.57	10.94	10.98
Elmira	325.80	347.60	342.94	39.3	39.5	39.6	8.29	8.80	8.66
Monroe County ⁴	444.80	474.71	472.73	41.3	41.1	41.0	10.77	11.55	11.53
Nassau—Suffolk ⁵	312.83	346.52	(*)	39.3	40.2	(*)	7.96	8.62	(*)
New York—Northeastern New Jersey	308.48	(*)	(*)	38.9	(*)	(*)	7.93	(*)	(*)
New York and Nassau—Suffolk ⁶	282.00	301.88	(*)	37.5	37.5	(*)	7.52	8.05	(*)
New York SMSA ⁵	272.69	288.46	293.04	36.9	36.7	37.0	7.39	7.86	7.92
New York City ⁶	265.72	284.34	287.73	36.5	36.5	36.7	7.28	7.79	7.84
Poughkeepsie	309.10	377.15	387.63	40.3	43.4	43.8	7.67	8.69	8.85
Rochester	418.82	447.58	446.76	40.9	40.8	40.8	10.24	10.97	10.95
Rockland County ⁶	316.09	339.04	342.00	37.9	39.7	40.0	8.34	8.54	8.55
Syracuse	348.80	377.34	375.47	40.0	40.1	40.2	8.72	9.41	9.34
Utica—Rome	306.14	323.59	325.20	39.4	39.9	40.0	7.77	8.11	8.13
Westchester County ⁶	324.42	314.34	(*)	40.3	37.6	(*)	8.05	8.36	(*)
NORTH CAROLINA	234.24	258.57	265.07	37.3	39.0	39.8	6.28	6.63	6.66
Asheville	232.37	254.02	257.40	38.6	39.2	39.6	6.02	6.48	6.50
Charlotte—Gastonia	238.13	272.02	275.37	38.1	40.6	41.1	6.25	6.70	6.70
Greensboro—Winston-Salem—High Point	255.35	275.12	280.56	36.9	38.0	38.7	6.92	7.24	7.26
Raleigh—Durham	272.54	303.81	316.00	37.8	39.1	40.0	7.21	7.77	7.90
NORTH DAKOTA	277.87	285.24	291.65	37.0	36.9	37.2	7.51	7.73	7.84
Fargo—Moorhead	282.74	279.57	288.75	37.4	34.6	35.3	7.56	8.08	8.18
OHIO	397.80	424.32	430.32	39.9	40.8	41.1	9.97	10.40	10.47
Akron	399.84	447.72	445.55	40.8	43.3	43.3	9.80	10.34	10.30
Canton	391.10	407.03	408.33	38.8	39.1	39.3	10.08	10.41	10.39
Cincinnati	375.49	408.41	411.05	40.2	40.8	40.9	9.44	10.01	10.05
Cleveland	400.60	411.03	415.31	40.1	40.1	40.4	9.99	10.25	10.28
Columbus	361.69	394.30	398.75	39.4	40.4	40.4	9.18	9.76	9.87
Dayton	395.61	420.65	426.42	39.8	40.8	41.2	9.94	10.31	10.35
Toledo	435.24	461.58	471.75	40.3	42.0	42.5	10.80	10.99	11.10
Youngstown—Warren	447.37	501.83	501.02	38.6	41.1	41.0	11.59	12.21	12.22
OKLAHOMA	338.18	356.90	357.24	39.6	39.7	39.3	8.54	8.99	9.09
Oklahoma City	351.14	376.51	376.51	40.5	39.8	39.8	8.67	9.46	9.47
Tulsa	363.24	381.60	380.21	39.1	39.3	38.6	9.29	9.71	9.85
OREGON	368.28	399.90	(*)	37.2	38.6	(*)	9.90	10.36	(*)
Eugene—Springfield	377.48	429.86	(*)	37.3	40.4	(*)	10.12	10.64	(*)
Medford	334.48	367.79	(*)	37.0	37.8	(*)	9.04	9.73	(*)
Portland	374.37	407.40	(*)	37.4	38.8	(*)	10.01	10.50	(*)
Salem	355.75	362.33	(*)	36.6	37.2	(*)	9.72	9.74	(*)
PENNSYLVANIA	325.76	342.71	343.98	38.1	38.9	39.0	8.55	8.81	8.82
Allentown—Bethlehem—Easton	341.62	333.02	333.89	38.0	37.8	37.6	8.99	8.81	8.86
Altoona	282.36	294.91	292.55	35.0	38.3	38.4	7.24	7.70	7.63
Delaware Valley	334.85	360.60	359.29	38.4	38.9	38.8	8.72	9.27	9.26
Erie	346.43	373.86	377.60	39.1	39.9	40.0	8.86	9.37	9.44
Harrisburg	314.83	326.70	326.70	38.3	38.8	38.8	8.22	8.42	8.42
Johnstown	318.80	271.04	272.45	35.7	35.2	35.2	8.93	7.70	7.74

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
PENNSYLVANIA—Continued									
Lancaster	\$293.76	\$318.20	\$322.97	38.2	38.9	39.1	\$7.69	\$8.18	\$8.26
Northeast Pennsylvania	229.43	260.98	269.31	34.5	36.5	37.3	6.65	7.15	7.22
Philadelphia SMSA	335.82	363.63	362.70	38.6	39.1	39.0	8.70	9.30	9.30
Pittsburgh	406.83	418.95	420.12	38.2	38.9	39.3	10.65	10.77	10.65
Reading	313.01	335.47	340.25	38.5	39.7	39.8	8.13	8.45	8.55
Williamsport	304.19	311.95	307.97	38.8	38.8	38.4	7.84	8.04	8.02
York	318.00	319.93	326.79	39.9	40.6	40.9	7.97	7.88	7.99
RHODE ISLAND									
Providence—Warwick—Pawtucket	255.45	271.17	274.03	39.0	39.3	39.6	6.55	6.90	6.92
	252.20	267.34	272.34	39.1	39.2	39.7	6.45	6.82	6.86
SOUTH CAROLINA									
Charleston—North Charleston	247.59	273.53	277.60	37.4	35.7	40.0	6.62	6.89	6.94
Columbia	304.24	348.18	336.13	39.9	42.0	40.4	7.64	8.29	8.32
Greenville—Spartanburg	240.53	256.86	266.27	37.7	38.8	39.1	6.38	6.62	6.81
	251.29	263.86	265.86	38.9	39.5	39.8	6.46	6.68	6.68
SOUTH DAKOTA									
Sioux Falls	292.19	302.19	304.78	35.7	40.4	40.8	7.36	7.48	7.47
	412.23	(*)	(*)	45.4	(*)	(*)	9.08	(*)	(*)
TENNESSEE									
Chattanooga	271.27	293.78	296.06	38.1	39.7	39.9	7.12	7.40	7.42
Knoxville	266.25	295.30	289.76	38.2	40.9	40.3	6.97	7.22	7.19
Memphis	397.37	336.96	(*)	38.9	39.0	(*)	8.21	8.64	(*)
Nashville—Davidson	309.60	315.21	322.70	40.0	39.5	40.9	7.74	7.98	7.89
	301.48	332.10	331.67	38.8	40.5	40.3	7.77	8.20	8.23
TEXAS									
Dallas—Fort Worth	341.60	356.40	354.71	40.0	40.5	40.4	8.54	8.80	8.78
Houston	316.34	350.07	349.67	39.2	40.1	40.1	8.07	8.73	8.72
San Antonio	432.97	432.72	429.55	42.2	40.9	40.6	10.26	10.58	10.58
	240.24	269.69	268.21	39.0	40.8	40.7	6.16	6.61	6.59
UTAH									
Salt Lake City—Ogden	316.30	332.82	336.87	38.2	38.7	38.9	8.28	8.60	8.66
	309.85	334.84	337.95	38.3	38.8	38.8	8.09	8.63	8.71
VERMONT									
Burlington	274.94	298.98	297.47	38.4	39.6	39.4	7.16	7.55	7.55
Springfield	306.40	300.24	354.00	40.0	41.4	41.5	7.66	8.46	8.53
	296.06	313.62	307.30	38.7	39.8	38.8	7.65	7.88	7.92
VIRGINIA									
Bristol	278.21	301.04	301.78	37.8	39.3	39.5	7.36	7.66	7.64
Lynchburg	235.05	247.54	248.97	36.9	38.8	38.6	6.37	6.38	6.45
Norfolk—Virginia Beach—Portsmouth	245.70	267.62	272.54	36.4	37.8	37.8	6.75	7.08	7.21
Northern Virginia ⁵	305.16	330.86	326.75	40.1	41.1	41.1	7.61	8.05	7.95
Petersburg—Colonial Heights—Hopewell	296.44	348.59	336.98	38.7	41.4	40.6	7.66	8.42	8.30
Richmond	367.30	391.20	395.28	39.2	40.0	40.5	9.37	9.78	9.76
Roanoke	361.23	402.34	398.43	38.8	39.6	39.1	9.31	10.16	10.19
	252.56	266.23	264.71	38.5	39.5	39.1	6.56	6.74	6.77
WASHINGTON									
Seattle—Everett	411.42	443.89	(*)	37.3	38.7	(*)	11.03	11.47	(*)
	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
WEST VIRGINIA									
Charleston	360.89	371.06	385.31	39.1	39.1	39.6	9.23	9.49	9.73
Huntington—Ashland	439.07	470.95	463.26	41.5	42.2	42.0	10.58	11.16	11.03
Parkersburg—Marietta	403.00	405.89	414.32	38.9	37.0	37.7	10.36	10.97	10.99
Wheeling	386.89	424.76	428.33	39.6	40.3	40.6	9.77	10.54	10.55
	388.47	405.97	428.22	38.5	39.3	39.0	10.09	10.33	10.98
WISCONSIN									
Appleton—Oshkosh	361.64	388.40	392.52	38.9	40.0	40.3	9.29	9.71	9.74
Eau Claire	358.31	385.31	389.06	40.3	41.7	41.7	8.89	9.24	9.33
Green Bay	347.19	378.32	385.02	40.0	40.9	41.4	8.68	9.25	9.30
Janesville—Beloit	389.48	403.19	415.11	41.4	40.4	41.1	9.42	9.98	10.10
Kenosha	331.96	437.65	469.29	37.2	41.8	43.9	8.93	10.47	10.69
La Crosse	438.81	432.79	472.32	39.9	38.3	41.0	10.99	11.30	11.52
Madison	329.67	338.69	346.82	38.4	39.2	39.1	8.59	8.64	8.87
Milwaukee	374.35	375.80	377.05	40.0	35.6	39.9	9.36	9.49	9.45
Racine	403.06	428.65	429.84	39.0	39.8	39.8	10.34	10.77	10.80
	360.98	403.97	402.80	37.6	39.8	40.0	9.60	10.15	10.07
WYOMING									
	329.09	298.69	286.13	38.4	35.9	35.5	8.57	8.32	8.06

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. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
VIRGIN ISLANDS	\$395.43	\$391.26	\$419.42	41.8	38.7	40.8	\$9.46	\$10.11	\$10.28

¹ Area included in Chicago—Gary Standard Consolidated Statistical Area.
² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
³ Subarea of New York—Northeastern New Jersey.
⁴ Subarea of Rochester Standard Metropolitan Statistical Area.
⁵ Area included in New York and Nassau—Suffolk combined SMSA's.
⁶ Subarea of New York Standard Metropolitan Statistical Area.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁸ 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.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Alaska, Maryland, Washington areas, and Wisconsin.

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
ALABAMA	1,699.1	1,739.9	1,729.9	223.0	261.9	234.1	13.1	15.1	13.5
Birmingham	381.8	391.6	388.8	45.6	57.2	51.8	11.9	14.6	13.3
Huntsville	147.3	153.5	153.5	16.3	17.7	15.6	11.1	11.5	10.1
Mobile	190.7	198.4	197.0	23.5	30.8	28.5	12.3	15.5	14.5
Montgomery	124.9	125.4	124.8	14.0	15.6	14.5	11.2	12.5	11.6
Tuscaloosa	55.7	56.3	55.7	6.6	7.6	6.7	11.8	13.5	12.0
ALASKA	203.1	211.7	215.9	22.5	25.7	24.6	11.1	12.2	11.4
ARIZONA	1,322.4	1,342.0	1,338.0	112.8	147.6	138.4	8.5	11.0	10.3
Phoenix	808.1	816.1	813.5	56.4	71.1	66.1	7.0	8.7	8.1
Tucson	244.6	252.5	251.7	19.6	28.5	26.1	8.0	11.3	10.4
ARKANSAS	1,015.7	1,020.4	1,017.9	92.8	98.2	89.9	9.1	9.6	8.8
Fayetteville-Springdale	82.2	83.0	82.7	5.0	5.4	4.9	6.0	6.5	5.9
Fort Smith ¹	87.0	85.0	85.9	9.2	9.2	8.3	10.6	10.8	9.7
Little Rock—North Little Rock	195.6	197.2	196.4	14.2	14.1	13.9	7.2	7.1	7.1
Pine Bluff	38.6	37.8	37.6	3.6	3.7	3.6	9.3	9.8	9.5
CALIFORNIA ²	12,042.1	12,164.9	12,100.2	1,134.9	1,329.8	1,199.5	9.4	10.9	9.9
Anaheim—Santa Ana—Garden Grove	1,193.6	1,214.7	1,204.0	72.9	89.2	78.3	6.1	7.3	6.5
Bakersfield	205.6	217.5	214.9	25.1	34.9	29.2	12.2	16.1	13.6
Fresno	276.0	285.1	282.3	42.3	52.1	43.8	15.3	18.3	15.5
Los Angeles—Long Beach ²	3,793.0	3,646.0	3,672.0	321.0	369.0	358.0	8.5	10.1	9.7
Modesto	136.1	142.8	139.4	27.3	32.7	28.5	20.1	22.9	20.4
Oxnard—Simi Valley—Ventura	257.2	271.3	268.3	22.8	27.7	24.5	8.9	10.2	9.1
Riverside—San Bernardino—Ontario	628.7	650.4	641.9	66.9	76.5	68.3	10.6	11.8	10.6
Sacramento	509.2	526.5	517.2	59.4	62.8	55.0	11.7	11.9	10.6
Salinas—Seaside—Monterey	141.6	146.3	146.9	17.3	22.7	19.9	12.2	15.5	13.5
San Diego	823.1	849.5	840.1	66.3	81.9	72.4	8.1	9.6	8.6
San Francisco—Oakland	1,724.9	1,785.3	1,768.9	128.3	152.7	136.4	7.4	8.6	7.7
San Jose	806.6	840.5	830.1	57.4	71.4	62.1	7.1	8.5	7.5
Santa Barbara—Santa Maria—Lompoc	160.7	167.5	166.6	11.6	14.6	13.2	7.2	8.7	7.9
Santa Rosa	144.5	151.1	148.5	15.8	17.0	14.6	10.9	11.2	9.8
Stockton	170.8	174.2	172.2	30.6	33.9	29.4	17.9	19.5	17.1
Vallejo—Fairfield—Napa	139.0	143.7	142.9	14.5	18.1	16.1	10.4	12.6	11.3
COLORADO	1,563.1	1,607.3	1,625.0	111.8	144.1	138.7	7.2	9.0	8.5
Denver—Boulder	929.4	954.1	966.1	55.5	71.2	68.6	6.0	7.5	7.1
CONNECTICUT	1,601.2	1,599.6	1,606.7	109.5	125.9	112.1	6.8	7.9	7.0
Bridgeport	193.9	190.4	191.9	15.1	17.0	16.5	7.8	8.9	8.6
Hartford	386.7	387.5	388.2	24.3	27.2	24.1	6.3	7.0	6.2
New Britain	73.9	72.5	71.9	6.2	6.5	5.7	8.4	8.9	7.9
New Haven—West Haven	197.5	198.0	198.3	13.0	16.3	14.5	6.6	8.2	7.3
Stamford	125.8	127.9	129.1	5.6	6.2	5.8	4.5	4.9	4.5
Waterbury	105.2	103.9	104.3	9.6	10.4	8.8	9.1	10.0	8.5
DELAWARE	294.6	293.6	294.9	22.5	22.4	19.3	7.6	7.6	6.5
Wilmington ¹	262.8	259.5	260.4	20.6	20.7	18.0	7.8	8.0	6.9
DISTRICT OF COLUMBIA	312.8	314.6	316.4	31.0	32.7	32.5	9.9	10.4	10.3
Washington SMSA ¹	1,692.7	1,712.0	1,724.4	95.0	91.9	84.5	5.6	5.4	4.9
FLORIDA ²	4,607.3	4,610.1	4,727.2	363.3	408.5	394.8	7.9	8.9	8.4
Daytona Beach	114.4	113.2	114.7	7.9	8.5	8.0	6.9	7.5	7.0
Fort Lauderdale—Hollywood	488.5	481.3	489.9	31.4	36.6	35.7	6.4	7.6	7.3
Fort Myers—Cape Coral	101.0	104.7	107.3	7.3	9.8	9.3	7.2	9.3	8.6
Gainesville	77.5	76.5	78.1	3.1	4.0	3.6	4.1	5.2	4.6
Jacksonville	340.4	343.9	353.0	23.2	27.8	26.9	6.8	8.1	7.6
Lakeland—Winter Haven	149.4	143.4	146.6	18.6	21.1	20.0	12.4	14.7	13.7
Melbourne—Titusville—Cocoa	122.4	124.2	127.4	9.0	10.5	10.3	7.4	8.5	8.1
Miami	831.8	811.1	828.9	87.1	78.6	77.0	10.5	9.7	9.3
Orlando	381.6	397.4	407.6	25.5	29.7	27.4	6.7	7.5	6.7
Pensacola	122.0	125.5	127.7	7.5	10.0	9.8	6.1	7.9	7.7
Sarasota	83.7	82.1	85.0	5.6	6.5	6.0	6.7	7.9	7.1
Tallahassee	83.4	82.8	85.9	3.6	4.5	4.4	4.3	5.4	5.1
Tampa—St. Petersburg	724.0	731.9	755.7	50.9	60.9	57.7	7.0	8.3	7.6
West Palm Beach—Boca Raton	278.8	280.9	286.1	19.9	22.5	23.8	7.1	8.0	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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
GEORGIA	2,641.1	2,677.4	2,689.3	194.5	217.2	194.4	7.4	8.1	7.2
Albany	53.5	53.0	53.2	4.8	5.3	4.9	9.0	9.9	9.2
Athens	65.5	66.6	66.6	4.1	4.8	4.4	6.3	7.2	6.6
Atlanta	1,090.8	1,114.9	1,115.7	65.8	76.5	67.7	6.0	6.9	6.1
Augusta	135.1	137.9	137.4	11.0	13.3	12.4	8.2	9.6	9.0
Columbus ¹	87.9	87.2	86.4	7.8	8.4	7.5	8.9	9.6	8.7
Macon	108.2	108.6	108.8	7.2	8.6	7.9	6.7	7.9	7.2
Savannah	98.4	98.9	98.9	7.3	9.0	7.9	7.4	9.1	8.0
HAWAII	459.6	465.5	464.1	31.1	26.8	28.3	6.8	5.8	6.1
Honolulu	353.0	356.9	355.5	22.2	18.3	19.1	6.3	5.1	5.4
IDAHO	435.6	444.8	451.2	43.9	56.8	52.2	10.1	12.8	11.6
Boise City	92.3	94.9	94.9	6.6	8.9	8.4	7.1	9.4	8.8
ILLINOIS²	5,556.9	5,626.4	5,536.8	561.0	703.9	658.9	10.1	12.5	11.9
Bloomington—Normal	63.4	64.8	63.4	5.1	5.6	5.2	8.0	8.7	8.3
Champaign—Urbana—Rantoul	86.3	87.2	86.5	4.2	5.8	5.7	4.9	6.6	6.6
Chicago	3,470.6	3,505.4	3,442.3	333.6	397.6	372.0	9.6	11.3	10.8
Davenport—Rock Island—Moline ¹	193.9	194.0	194.8	23.8	30.6	29.0	12.3	15.8	14.9
Decatur	63.2	64.1	62.8	7.4	10.6	10.4	11.8	16.5	16.5
Kankakee	41.7	41.9	41.1	6.1	7.8	7.4	14.6	18.7	17.9
Peoria	174.7	177.1	172.2	19.2	30.9	28.3	11.0	17.4	16.5
Rockford	135.5	135.2	131.7	19.4	22.6	20.7	14.3	16.7	15.7
Springfield	99.1	101.9	100.2	6.4	10.2	9.2	6.5	10.0	9.2
INDIANA	2,598.5	2,562.5	2,552.4	304.6	308.4	285.0	11.7	12.0	11.2
Anderson	56.5	54.4	54.0	10.4	7.7	6.8	18.3	14.1	12.6
Elkhart	68.4	69.7	70.8	6.5	5.3	4.4	9.5	7.7	6.3
Evansville ¹	147.2	N.A.	N.A.	13.0	N.A.	N.A.	8.8	N.A.	N.A.
Fort Wayne	188.6	182.8	182.1	23.1	21.2	20.4	12.3	11.6	11.2
Gary—Hammond—East Chicago	286.0	284.0	280.4	41.0	46.7	44.3	14.3	16.4	15.8
Indianapolis	595.4	597.7	595.9	52.7	60.5	56.4	8.9	10.1	9.5
Lafayette—West Lafayette	63.9	63.3	63.1	4.5	5.2	4.7	7.0	8.2	7.4
Muncie	57.4	54.7	54.8	8.3	7.2	6.8	14.5	13.2	12.5
South Bend	140.1	137.5	136.3	13.7	12.9	11.4	9.7	9.4	8.4
Terre Haute	82.0	79.8	79.4	10.1	10.9	10.4	12.3	13.6	13.1
IOWA	1,426.6	1,427.8	1,439.6	118.7	140.4	128.0	8.3	9.8	8.9
Cedar Rapids	86.1	84.7	83.9	7.9	8.6	8.1	9.2	10.1	9.7
Des Moines	183.5	185.5	183.3	13.7	15.5	14.6	7.4	8.3	8.0
Dubuque	44.1	43.4	42.7	5.8	6.7	5.5	13.1	15.4	12.8
Sioux City ¹	53.8	54.9	54.5	4.4	4.7	4.4	8.2	8.6	8.1
Waterloo—Cedar Falls	69.3	67.0	66.3	8.2	9.5	9.0	11.8	14.3	13.6
KANSAS	1,189.1	1,205.1	1,202.9	68.8	82.7	77.2	5.8	6.9	6.4
Lawrence	34.5	35.1	34.9	1.4	1.7	1.6	4.1	4.8	4.6
Topeka	95.2	97.9	97.2	5.9	6.8	6.4	6.2	6.9	6.6
Wichita	226.8	225.6	224.6	17.7	20.0	18.4	7.8	8.9	8.2
KENTUCKY	1,675.6	1,654.7	1,651.7	175.8	194.2	181.5	10.5	11.7	11.0
Lexington—Fayette	181.1	N.A.	N.A.	10.4	N.A.	N.A.	5.7	N.A.	N.A.
Louisville ¹	436.0	N.A.	N.A.	52.7	N.A.	N.A.	12.1	N.A.	N.A.
Owensboro	43.7	N.A.	N.A.	4.2	N.A.	N.A.	9.6	N.A.	N.A.
LOUISIANA	1,836.4	1,843.7	1,843.3	166.9	228.1	219.3	9.1	12.4	11.9
Alexandria	72.0	73.5	74.0	7.8	9.2	8.8	10.8	12.5	11.8
Baton Rouge	225.2	229.3	229.6	17.4	22.5	22.0	7.7	9.8	9.6
Lafayette	96.7	101.6	100.4	3.7	7.6	7.4	3.8	7.5	7.3
Lake Charles	77.5	73.5	73.9	9.8	10.7	9.7	12.7	14.6	13.1
Monroe	57.0	58.0	57.5	6.2	7.1	6.5	10.8	12.2	11.3
New Orleans	509.6	509.8	507.5	43.3	55.9	53.9	8.5	11.0	10.6
Shreveport	161.0	159.6	159.9	12.9	19.5	18.9	8.0	12.2	11.8
MAINE	504.2	514.0	521.4	46.5	55.0	51.7	9.2	10.7	9.9
Lewiston—Auburn	38.2	38.6	38.6	3.8	4.1	3.7	10.0	10.6	9.7
Portland	93.3	97.9	98.8	6.0	7.5	6.6	6.4	7.7	6.7
MARYLAND	2,154.5	2,104.1	2,118.5	175.9	171.8	152.3	8.2	8.2	7.2
Baltimore	1,074.1	1,036.3	1,043.1	101.4	96.1	85.2	9.4	9.3	8.2

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
MASSACHUSETTS	2,940.3	2,956.0	2,944.8	234.2	236.9	197.3	8.0	8.0	6.7
Boston	1,421.8	1,446.0	1,441.3	96.0	94.7	80.2	6.8	6.6	5.6
Brockton	80.6	81.9	80.9	7.4	7.6	6.2	9.1	9.3	7.7
Fall River ¹	75.3	71.9	71.9	8.5	9.7	7.8	11.3	13.5	10.8
Lawrence—Haverhill ¹	146.9	146.3	145.9	12.3	12.9	10.7	8.4	8.8	7.3
Lowell	132.5	133.0	133.2	10.0	8.5	7.4	7.6	6.4	5.5
New Bedford	85.3	86.7	86.7	11.3	10.7	8.4	13.2	12.3	9.6
Springfield—Chicopee—Holyoke	285.5	284.2	281.2	22.7	22.4	18.5	8.0	7.9	6.6
Worcester	199.5	197.1	196.3	16.9	17.8	16.8	8.5	9.0	8.6
MICHIGAN	4,201.7	4,227.0	4,288.3	651.8	719.6	666.4	15.5	17.0	15.5
Ann Arbor	140.6	N.A.	N.A.	12.4	N.A.	N.A.	8.8	N.A.	N.A.
Battle Creek	80.1	N.A.	N.A.	12.5	N.A.	N.A.	15.6	N.A.	N.A.
Bay City	52.0	N.A.	N.A.	8.6	N.A.	N.A.	16.6	N.A.	N.A.
Benton Harbor	69.4	N.A.	N.A.	10.6	N.A.	N.A.	15.3	N.A.	N.A.
Detroit	1,942.3	N.A.	N.A.	298.7	N.A.	N.A.	15.4	N.A.	N.A.
Flint	220.0	N.A.	N.A.	51.7	N.A.	N.A.	23.5	N.A.	N.A.
Grand Rapids	321.8	N.A.	N.A.	39.0	N.A.	N.A.	12.1	N.A.	N.A.
Jackson	65.1	N.A.	N.A.	10.2	N.A.	N.A.	15.6	N.A.	N.A.
Kalamazoo—Portage	135.6	N.A.	N.A.	14.6	N.A.	N.A.	10.8	N.A.	N.A.
Lansing—East Lansing	239.2	N.A.	N.A.	34.8	N.A.	N.A.	14.5	N.A.	N.A.
Muskegon—Norton Shores—Muskegon Heights	77.2	N.A.	N.A.	13.3	N.A.	N.A.	17.2	N.A.	N.A.
Saginaw	97.6	N.A.	N.A.	17.8	N.A.	N.A.	18.3	N.A.	N.A.
MINNESOTA	2,168.5	2,090.5	2,117.2	168.8	213.0	191.2	7.8	10.2	9.0
Duluth—Superior ¹	115.3	112.6	111.6	16.6	25.3	22.7	14.4	22.5	20.4
Minneapolis—St. Paul	1,163.5	1,136.8	1,139.4	71.3	90.0	82.7	6.1	7.9	7.3
Rochester	57.6	56.6	57.7	3.3	3.8	3.4	5.7	6.7	5.9
St. Cloud	76.4	75.2	76.8	7.3	9.3	8.2	9.6	12.4	10.6
MISSISSIPPI	1,056.5	1,051.9	1,052.6	111.7	121.6	119.5	10.6	11.6	11.4
Jackson	159.5	158.0	158.5	11.1	11.7	11.4	7.0	7.4	7.2
MISSOURI	2,299.3	2,288.7	2,311.4	201.5	244.4	231.0	8.8	10.7	10.0
Kansas City ¹	672.5	670.7	671.1	55.2	62.6	58.5	8.2	9.3	8.7
St. Joseph	45.5	46.0	46.1	4.3	5.6	-5.2	9.4	12.1	11.3
St. Louis ¹	1,107.9	1,117.1	1,118.3	100.7	121.9	118.4	9.1	10.9	10.6
Springfield	109.2	110.2	112.1	7.6	9.4	8.9	6.9	8.5	7.9
MONTANA	391.4	387.0	387.5	34.6	38.3	34.4	8.9	9.9	8.9
NEBRASKA	785.8	793.4	807.1	45.4	56.2	51.3	5.8	7.1	6.4
Lincoln	109.5	110.3	111.7	5.4	5.5	5.5	5.0	5.0	5.0
Omaha ¹	281.9	289.4	289.5	19.4	21.2	19.2	6.9	7.3	6.6
NEVADA	480.7	494.2	496.5	47.9	55.7	49.6	10.0	11.3	10.0
Las Vegas	268.6	277.4	278.3	28.7	31.5	28.3	10.7	11.4	10.2
Reno	131.8	135.1	135.4	10.6	13.7	11.9	8.1	10.1	8.8
NEW HAMPSHIRE	481.6	492.2	495.0	38.7	35.9	33.0	8.0	7.3	6.7
Manchester	83.7	87.2	87.7	6.5	6.1	5.2	7.7	7.0	6.0
Nashua	82.9	86.7	87.6	5.2	5.0	4.4	6.3	5.8	5.0
NEW JERSEY	3,594.8	3,574.4	3,604.1	319.2	324.7	268.1	8.9	9.1	7.4
Atlantic City	117.7	118.0	119.7	12.6	12.5	10.3	10.7	10.6	8.6
Jersey City	246.8	240.6	239.0	35.2	34.0	29.3	14.2	14.1	12.2
Long Branch—Asbury Park	244.9	245.9	247.9	19.9	21.3	16.3	8.1	8.7	6.6
New Brunswick—Perth Amboy—Sayreville	330.8	332.3	335.4	24.7	26.4	22.7	7.5	7.9	6.8
Newark	967.7	962.2	969.5	81.3	82.3	68.8	8.4	8.6	7.1
Paterson—Clifton—Passaic	211.9	216.2	216.7	23.7	25.0	20.7	11.2	11.5	9.5
Trenton	158.3	156.4	157.8	12.6	11.8	10.0	8.0	7.6	6.3
Vineland—Millville—Bridgeton	58.6	57.8	57.4	10.3	9.2	7.5	17.6	15.9	13.0
NEW MEXICO	583.7	593.7	593.6	48.3	62.7	59.2	8.3	10.6	10.0
Albuquerque	215.6	223.1	223.2	16.1	19.7	18.5	7.5	8.8	8.3
Las Cruces	37.4	38.8	38.0	3.3	3.8	3.5	8.8	9.7	9.2

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
NEW YORK¹	7,970.8	8,043.7	7,968.7	619.6	792.0	714.1	7.8	9.8	9.0
Albany—Schenectady—Troy	375.1	379.4	382.0	22.9	31.3	30.6	6.1	8.3	8.0
Binghamton ¹	139.4	141.4	141.0	9.7	13.0	12.1	6.9	9.2	8.6
Buffalo	549.8	546.8	547.0	62.7	73.9	75.3	11.4	13.5	13.8
Elmira	38.3	37.6	37.9	3.8	5.0	4.9	9.9	13.3	13.0
Nassau-Suffolk	1,326.8	1,358.0	1,372.4	71.1	94.3	91.7	5.4	6.9	6.7
New York	3,653.1	3,656.1	3,554.2	305.1	370.9	303.4	8.4	10.1	8.5
New York City ²	3,041.0	3,032.0	2,934.0	278.0	334.0	269.0	9.1	11.0	9.2
Poughkeepsie	113.2	115.4	115.9	5.8	7.9	7.6	5.2	6.8	6.5
Rochester	472.1	483.0	483.8	28.2	48.9	46.7	6.0	10.1	9.6
Syracuse	298.2	305.8	308.7	19.9	28.9	27.5	6.7	9.5	8.9
Utica—Rome	133.9	135.2	136.3	10.5	14.4	13.7	7.9	10.7	10.1
NORTH CAROLINA	2,920.8	2,892.0	2,895.8	241.3	281.9	252.3	8.3	9.7	8.7
Asheville	89.1	90.2	90.7	7.4	7.9	6.8	8.3	8.8	7.5
Charlotte—Gastonia	376.4	380.6	381.4	23.8	26.6	24.5	6.3	7.0	6.4
Greensboro—Winston-Salem—High Point	448.7	455.3	453.1	31.6	39.3	34.3	7.0	8.6	7.6
Raleigh—Durham	317.6	323.9	325.1	13.2	15.1	13.7	4.2	4.7	4.2
NORTH DAKOTA	311.2	318.1	323.3	19.8	25.0	21.4	6.4	7.9	6.6
Fargo—Moorehead ¹	71.4	72.7	72.9	4.5	4.9	4.3	6.2	6.7	5.9
OHIO³	5,060.9	5,026.6	5,087.8	607.1	688.0	652.5	12.0	13.7	12.8
Akron	301.8	301.8	306.8	34.1	40.4	39.2	11.3	13.4	12.8
Canton	189.5	189.0	191.7	24.8	31.1	29.9	13.1	16.5	15.6
Cincinnati ¹	676.0	N.A.	N.A.	68.7	N.A.	N.A.	10.2	N.A.	N.A.
Cleveland	919.4	913.3	922.7	90.0	115.5	110.1	9.8	12.6	11.9
Columbus	562.8	561.1	570.2	50.3	53.8	52.8	8.9	9.6	9.3
Dayton	388.7	381.7	385.8	43.8	44.2	42.3	11.3	11.6	11.0
Toledo ¹	364.1	N.A.	N.A.	43.8	N.A.	N.A.	12.0	N.A.	N.A.
Youngstown—Warren	236.0	227.9	230.1	46.5	41.7	39.5	19.7	18.3	17.1
OKLAHOMA	1,460.8	1,455.5	1,468.2	66.8	128.8	119.4	4.6	8.9	8.1
Enid	31.4	30.4	30.6	1.2	2.4	2.2	3.7	7.9	7.2
Lawton	35.0	34.7	34.8	1.4	2.3	2.1	3.9	6.7	6.1
Oklahoma City	450.3	454.6	459.6	17.4	30.3	28.4	3.9	6.7	6.2
Tulsa	351.1	344.5	345.6	17.0	33.5	30.7	4.8	9.7	8.9
OREGON	1,318.2	1,326.0	1,333.0	161.7	161.6	148.7	12.3	12.2	11.2
Eugene—Springfield	131.5	130.9	131.3	17.3	17.0	16.0	13.2	13.0	12.1
Medford	63.5	63.8	64.2	10.0	8.4	7.5	15.7	13.1	11.7
Portland ¹	662.3	665.9	667.4	67.8	72.5	67.3	10.2	10.9	10.1
Salem	121.1	122.7	123.4	14.1	14.0	13.2	11.6	11.4	10.7
PENNSYLVANIA⁴	5,418.1	5,307.2	5,326.7	556.2	736.4	690.8	10.3	13.9	13.0
Allentown—Bethlehem—Easton ¹	307.6	297.9	297.1	31.1	42.4	38.2	10.1	14.2	12.9
Altoona	56.1	54.0	55.5	6.5	9.4	9.7	11.6	17.4	17.4
Erie	123.8	122.9	123.5	13.6	21.1	19.7	10.9	17.2	15.9
Harrisburg	231.8	225.0	226.2	14.5	18.3	16.4	6.3	8.1	7.2
Johnstown	105.0	104.3	105.7	15.6	25.5	25.8	14.9	24.4	24.4
Lancaster	183.0	175.0	176.0	13.3	14.6	12.2	7.2	8.3	6.9
Northeast Pennsylvania	286.5	278.3	278.0	33.1	36.7	34.3	11.5	13.2	12.3
Philadelphia ¹	2,163.2	2,129.5	2,143.4	184.4	207.0	191.3	8.5	9.7	8.9
Pittsburgh	1,028.7	1,000.3	1,005.2	109.4	168.0	160.6	10.6	16.8	16.0
Reading	157.1	154.7	153.4	16.4	19.4	16.6	10.4	12.5	10.8
Sharon	55.3	52.1	52.7	8.9	10.8	10.6	16.1	20.8	20.1
State College	50.5	48.8	50.3	4.4	6.1	5.8	8.7	12.5	11.5
Williamsport	51.9	51.4	51.2	6.0	8.8	8.2	11.6	17.2	16.0
York	179.3	173.4	174.1	18.0	21.5	20.0	10.0	12.4	11.5
RHODE ISLAND	479.1	474.3	471.7	50.3	52.5	45.5	10.5	11.1	9.6
Providence—Warwick—Pawtucket ¹	474.4	469.8	465.2	51.2	53.1	45.7	10.8	11.3	9.8
SOUTH CAROLINA	1,491.3	1,481.1	1,479.3	149.0	161.1	150.8	10.0	10.9	10.2
Charleston—North Charleston	179.5	180.5	180.6	13.0	15.5	15.1	7.2	8.6	8.4
Columbia	197.7	199.3	199.6	12.2	14.0	13.7	6.2	7.0	6.9
Greenville—Spartanburg	297.9	291.2	290.1	28.8	29.4	27.4	9.7	10.1	9.5
SOUTH DAKOTA	327.2	326.8	335.0	18.1	22.6	20.7	5.5	6.9	6.2
Sioux Falls	62.3	65.7	66.0	3.1	3.6	3.5	5.0	5.4	5.3
TENNESSEE	2,127.3	2,117.5	2,126.4	235.7	266.3	249.6	11.1	12.6	11.7
Chattanooga ¹	196.4	197.0	N.A.	18.0	20.7	N.A.	9.2	10.5	N.A.
Knoxville	234.2	231.1	N.A.	17.8	25.3	N.A.	7.6	11.0	N.A.
Memphis ¹	402.3	397.7	N.A.	35.2	39.7	N.A.	8.7	10.0	N.A.
Nashville—Davidson	444.5	435.8	N.A.	37.9	38.8	N.A.	8.5	8.9	N.A.

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	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P	APR. 1982	MAR. 1983	APR. 1983P
TEXAS²	7,274.3	7,529.9	7,529.3	430.2	655.0	607.3	5.9	8.7	8.1
Ablene	76.6	78.7	78.8	3.4	4.4	4.1	4.4	5.6	5.2
Amarillo	88.4	97.0	96.7	3.9	5.7	5.1	4.4	5.9	5.3
Austin	293.1	303.8	302.7	12.7	13.8	11.5	4.3	4.5	3.8
Beaumont—Port Arthur—Orange	180.6	184.6	182.8	16.4	27.2	25.2	9.1	14.7	13.8
Corpus Christi	163.6	169.8	170.2	10.5	17.8	17.3	6.4	10.5	10.2
Dallas—Fort Worth	1,666.6	1,732.1	1,741.5	86.8	101.3	92.1	5.2	5.9	5.3
El Paso	188.1	195.4	194.1	19.4	26.6	24.2	10.3	13.6	12.5
Galveston—Texas City	87.9	91.8	90.7	7.8	12.5	11.4	8.9	13.7	12.6
Houston	1,743.1	1,784.2	1,778.7	86.4	175.9	168.4	5.0	9.9	9.5
Longview—Marshall	78.3	80.1	79.8	5.8	9.8	9.0	7.4	12.2	11.3
Lubbock	105.5	107.4	107.4	5.4	6.2	5.8	5.1	5.8	5.4
Midland	66.8	64.9	64.8	4.8	3.8	3.6	7.1	5.9	5.6
Odessa	77.7	72.1	72.1	4.2	7.0	6.8	5.4	9.7	9.4
San Angelo	47.5	47.8	47.0	3.0	3.0	2.4	6.2	6.3	5.2
San Antonio	460.7	480.6	482.3	27.9	32.4	28.1	6.1	6.7	5.8
Sherman—Denison	39.4	39.4	39.1	2.9	4.2	3.5	7.4	10.7	8.8
Waco	82.4	84.3	84.8	4.0	5.4	4.9	4.8	6.4	5.8
Wichita Falls	69.5	66.2	66.2	5.8	5.0	4.5	8.3	7.6	6.7
UTAH	661.1	664.7	663.6	48.0	64.1	61.7	7.3	9.6	9.3
Salt Lake City—Ogden	433.2	434.2	433.2	30.6	38.5	37.2	7.1	8.9	8.6
VERMONT	262.3	259.9	258.2	20.3	20.2	20.7	7.7	7.8	8.0
Burlington	68.6	67.6	67.6	3.5	3.5	3.5	5.2	5.2	5.2
VIRGINIA	2,631.7	2,691.0	2,707.6	194.2	206.3	178.5	7.4	7.7	6.6
Lynchburg	76.7	76.3	76.4	6.5	6.8	5.6	8.5	8.9	7.3
Newport News—Hampton	166.0	171.1	174.5	10.8	10.3	8.8	6.5	6.0	5.1
Norfolk—Virginia Beach—Portsmouth ¹	338.0	347.0	351.7	24.8	23.3	21.3	7.3	6.7	6.1
Petersburg—Colonial Heights—Hopewell	58.3	59.3	59.5	5.2	6.5	6.2	9.0	11.0	10.3
Richmond	337.0	345.0	346.6	20.1	21.6	18.0	6.0	6.2	5.2
Roanoke	111.8	114.0	114.7	8.6	8.7	7.5	7.7	7.6	6.6
WASHINGTON	2,010.2	2,045.8	2,041.9	239.6	249.8	234.2	11.9	12.2	11.5
Seattle—Everett	877.8	899.9	895.7	86.0	92.5	90.1	9.8	10.3	10.1
Spokane	152.4	152.9	153.2	18.2	18.2	16.5	12.0	11.9	10.8
Tacoma	184.1	191.8	191.6	21.3	24.6	23.6	11.5	12.8	12.3
WEST VIRGINIA	761.2	746.5	743.0	95.2	150.1	141.2	12.5	20.1	19.0
Charleston	121.1	116.3	115.4	11.5	16.7	15.8	9.5	14.4	13.7
Huntington—Ashland ¹	123.1	N.A.	N.A.	14.8	N.A.	N.A.	12.0	N.A.	N.A.
Parkersburg—Marletta ¹	73.4	72.0	71.6	8.7	11.3	10.7	11.9	15.6	15.0
Wheeling ¹	82.3	79.7	80.2	10.7	14.0	13.5	13.1	17.6	16.9
WISCONSIN	2,453.3	2,417.7	2,410.1	273.0	293.2	260.7	11.1	12.1	10.8
Appleton—Oshkosh	153.3	151.4	151.8	17.4	17.4	16.0	11.3	11.5	10.5
Eau Claire	61.7	60.8	60.6	6.4	6.7	6.0	10.4	11.1	10.0
Green Bay	92.7	94.3	93.0	8.4	10.0	8.6	9.1	10.6	9.2
Janesville—Beloit	74.1	71.4	71.4	12.8	9.4	8.8	17.3	13.2	12.3
Kenosha	58.9	59.8	58.9	7.9	7.8	6.9	13.4	13.0	11.8
La Crosse	50.9	51.8	51.8	4.5	5.1	4.5	8.9	9.7	8.7
Madison	190.4	190.3	190.3	13.5	14.5	13.3	7.1	7.6	7.0
Milwaukee	734.4	720.9	715.3	74.2	85.7	77.9	10.1	11.9	10.9
Racine	87.7	84.6	83.0	15.5	13.4	11.9	17.7	15.9	14.4
WYOMING	249.4	256.7	263.0	13.8	28.0	28.8	5.5	10.9	11.0

¹ Includes interstate portion of area located in adjacent State.

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

NOTE: Estimates for 1982 have been benchmarked to 1982 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1983 are provisional and will be revised when new benchmark information

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

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.

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 60,000 households, representing 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, unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises, and members of the Armed Forces stationed in the United States. Civilian employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of 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 civilians who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor management disputes, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

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

Hours of work

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

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the workers' 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 Economics and Statistics Service series and the treatment of dual jobholders, who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of 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. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in this BLS establishment statistics.

Household Data (A tables)

COLLECTION AND COVERAGE

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

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 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 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 the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,500 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.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or

who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

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

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new 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.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Reentrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or

longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

Jobseekers are all unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week. Jobseekers do not include those persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some other method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community organization, or waiting at a designated labor pickup point.

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

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

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

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

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

Not in the labor force includes all persons who are not classified as employed or unemployed. These persons are further classified as engaged in own home housework, in school, unable to work because of long-

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

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

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

The class-of-worker breakdown specifies wage and salary workers, subdivided into private and government workers; self-employed workers; and unpaid family workers. Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were paid for the holiday. For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job.

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. 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 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 that: (1) Unemployed persons looking for full-time work lost an average of 37.5 hours, (2) those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

White, black, and other are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-4 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

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. These statistics are published in table A-6 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. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

The *poverty areas* classification consists of all census geographic divisions in which 20 percent or more of the residents were poor according to the 1970 decennial census. Persons were classified as poor or not poor by using income thresholds adopted by a Federal interagency 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...USUALY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers and the incorporated self-employed, who usually work full time on their sole or primary job.

Single, never married; married, spouse present; and other marital status are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even

though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

A *household* consists of all persons-related family members and all unrelated persons-who occupy a housing unit. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters.

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in families maintained by either men or women without a spouse.

Family refers to a group of two or more persons residing together who are related by 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 count of families used in this publication includes primary families only, that is, all persons in the household who are related to the householder. Excluded are secondary families which include lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

HISTORICAL COMPARABILITY

Change in lower age limit

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

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

In addition, beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an inflation-deflation approach. This change in the derivation of the estimates had its greatest impact on estimates of 20- to 24-year-old men—particularly those of the black-and-other population—but had little effect on estimates of the total population 16 years and over. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation", in the February 1974 issue of *Employment and Earnings*.

Effective in July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000–30,000 men and 46,000 women. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the other population.

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978" in the February 1978 issue of *Employment and Earnings*.

Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and seven-eighths of the sample households had race determined by interviewer observation. It was not until January 1980 that the entire sample had race determined by the household respondent. The new procedure had no significant effect on the estimates.

Beginning in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures exist only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in "Change in the Estimation Procedure for the Current Population Survey Beginning in January 1979" in the February 1979 issue of *Employment and Earnings*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The 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 Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for

results obtained from the 1980 census. The 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 Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

Changes in the occupational and industrial classification system.

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

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

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers". Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

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

system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation", and some interchange between "professional and related services" and "public administration."

Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*.

Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included

in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction 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. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The estimation procedure involves weighting the data from each sample person. 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

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500—1,000	3,000—3,500
Feb. 1954 to Apr. 1956	230	21,000	500—1,000	3,000—3,500
May 1956 to Dec. 1959	¹ 330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	² 333	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

¹ Beginning in May 1958, these areas were chosen to provide coverage in each State and the District of Columbia.

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

respondents 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 residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, 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. Effective with January 1983 data, 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 race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current

estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in 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 is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the 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. A description 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 tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of

Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

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. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

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

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

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to repre-

sent 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 "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for men than for women, 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 "An Error Profile: Employment as Measured by the Current Population Survey," by Camilla Brooks and Barbara Bailar, Statistical Policy Working Paper 3, U.S. Department of Commerce, Office of Federal Statistical Policy and Standards; in "The Current Population Survey: An Overview," by Marvin Thompson and Gary Shapiro, *Annals of Economic and Social Measurement*, Vol. 2, April 1973; and in *The Current Population Survey, Design and Methodology*, Technical Paper No. 40, Bureau of the Census, U.S. Department of Commerce. This last document includes a comprehensive 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 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 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates

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	255	195
Employed	277	209
Unemployed	155	146
Men, 20 years and over:		
Civilian labor force	151	130
Employed	170	150
Unemployed	112	105
Women, 20 years and over:		
Civilian labor force	177	128
Employed	179	135
Unemployed	93	92
Both sexes, 16 to 19 years:		
Civilian labor force	81	86
Employed	86	97
Unemployed	67	71
Black, 16 years and over:		
Civilian labor force	61	49
Employed	87	66
Unemployed	75	75
Men, 20 years and over:		
Civilian labor force	23	17
Employed	49	43
Unemployed	53	56
Women, 20 years and over:		
Civilian labor force	60	38
Employed	63	46
Unemployed	48	51
Both sexes, 16 to 19 years:		
Civilian labor force	33	36
Employed	30	35
Unemployed	34	34

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.14	0.13	OCCUPATION—Continued		
Men, 20 years and over .....	.19	.18	Machine operators, assemblers and inspectors	0.61	0.60
Women, 20 years and over .....	.21	.21	Transportation and material moving .....	.74	.72
Both sexes, 16 to 19 years .....	.75	.80	Handlers, equipment cleaners helpers, and laborers .....	.80	.78
White workers .....	.15	.14	Farming, forestry, and fishing .....	.72	.67
Black workers .....	.57	.52	INDUSTRY		
Married men, spouse present .....	.19	.17	Nonagricultural private wage and salary workers .....	.16	.16
Married women, spouse present .....	.22	.21	Mining	1.67	1.69
Full-time workers .....	.15	.15	Construction .....	.81	.81
Part-time workers .....	.37	.46	Manufacturing .....	.35	.34
Unemployed 15 weeks and over .....	.09	.08	Durable goods .....	.48	.47
OCCUPATION			Nondurable goods .....	.49	.49
Executive, administrative, and managerial ..	.28	.27	Transportation, communications, and public utilities .....	.52	.51
Professional specialty .....	.23	.22	Wholesale and retail trade .....	.31	.31
Technicians and related support .....	.56	.58	Finance and services .....	.24	.24
Sales .....	.33	.33	Government workers .....	.25	.25
Administrative support, including clerical .....	.29	.29	Agricultural wage and salary workers	1.32	1.22
Private household	1.10	1.02			
Protective service .....	.89	.93			
Service, except private household and protective .....	.44	.43			
Precision production, craft, and repair .....	.41	.40			

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 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. 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 118,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or

percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in 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 by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are indifferent categories, use the factor indicated by the numerator of the percentage.

Illustration. Assume that in a given month 3.6 percent of a total of 90,771,000 employed persons are employed in agriculture. The standard error on an estimate of 3.6 percent with a base of 90,771,000 is obtained from table H (0.09 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 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. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 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 tables F (0.12 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 $0.12 \times 1.40 = 0.17$ 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 D. Standard errors for estimates of monthly level

(In thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	84	80	-	87	66	93	88
6,000	146	116	94	86	-	105	58	113	99
8,000	-	133	97	83	-	120	23	129	-
10,000	-	147	94	70	-	132	-	143	-
15,000	-	177	50	-	-	155	-	172	-
20,000	-	201	-	-	-	170	-	195	-
30,000	-	236	-	-	-	188	-	-	-
40,000	-	261	-	-	-	189	-	-	-
50,000	-	278	-	-	-	175	-	-	-
60,000	-	288	-	-	-	141	-	-	-
70,000	-	293	-	-	-	61	-	-	-
80,000	-	293	-	-	-	-	-	-	-
100,000	-	273	-	-	-	-	-	-	-
120,000	-	231	-	-	-	-	-	-	-

¹ 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 ¹							
	Labor force data other than unemployment and agricultural employment data				Unemployment			
	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years
50	8	8	13	13	12	13	12	12
100	11	11	16	18	16	18	17	16
500	25	25	39	34	37	40	38	35
1,000	36	35	54	36	51	54	52	37
2,000	50	47	72	-	72	70	69	-
4,000	70	82	88	-	99	78	85	-
6,000	86	70	88	-	118	60	87	-
8,000	98	73	71	-	132	-	-	-
10,000	109	71	-	-	143	-	-	-
15,000	131	42	-	-	160	-	-	-
20,000	148	-	-	-	165	-	-	-
30,000	174	-	-	-	-	-	-	-
40,000	191	-	-	-	-	-	-	-
50,000	203	-	-	-	-	-	-	-
60,000	210	-	-	-	-	-	-	-
70,000	212	-	-	-	-	-	-	-
80,000	211	-	-	-	-	-	-	-
100,000	193	-	-	-	-	-	-	-
120,000	153	-	-	-	-	-	-	-

¹ See footnote 1, table D.

² 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	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.38	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.68	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.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	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.84	2.32	3.84	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.83	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.60	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.38	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

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	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.06	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.06	.11	.17	.23	.27	.30	.33	.35	.36	.36
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
60,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

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

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

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

Characteristic	Factor				
	Year-to-year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
Agricultural employment:					
Total or men	1.30	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years)	1.30	.83	.60	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment data:					
Total or white	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.86	.50	.65
Part time	1.40	.69	.88	.39	.54

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

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men				Women	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	48	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	88	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 the pay period which includes the 12th of the month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. Since January 1980, this information is collected on a supplement to the quarterly unemployment insurance tax reports filed by employers. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the principal product or activity.

All data on employment, hours, and earnings for the Nation 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), recordkeeping, 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 are 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 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 (CPI-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 adjustments 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 level 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 employ-

ment 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 various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1982 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

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)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime hours divided by number of production workers. ²	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
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.

¹ 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.

² 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.

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 1982 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,

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1982

Industry division	Benchmark, March 1982	Estimate, March 1982	Percent difference
Total	89,566,000	89,679,000	0.1
Mining	1,205,000	1,178,000	2.2
Construction	3,638,000	3,631,000	.2
Manufacturing	19,213,000	19,207,000	(¹)
Transportation and public utilities	5,070,000	5,049,000	.4
Wholesale and retail trade	20,062,000	20,306,000	-1.2
Finance, insurance, and real estate	5,294,000	5,304,000	-.2
Services	18,888,000	18,828,000	.3
Government	16,196,000	16,176,000	.1

¹ Less than 0.05 percent.

the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS 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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1982¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	189,000	36,371,200	41
Mining	2,600	434,500	36
Construction	18,600	721,800	20
Manufacturing	47,700	10,612,300	55
Transportation and public utilities:			
Railroad transportation (ICC)	37	401,800	92
Other transportation and public utilities	8,500	2,840,800	61
Wholesale and retail trade	45,900	3,511,300	18
Finance, insurance, and real estate	13,100	1,967,100	37
Services	31,600	4,150,600	22
Government:			
Federal ²	5,000	2,725,000	100
State and local	16,000	9,006,000	67

¹ 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.

² 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 5,000 reports covering about 63 percent of employment in Federal establishments.

response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

One measure of the reliability of the employment estimates for individual industries is the root-mean-

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 ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.4	-	-
Total private .....	.4	0.1	0.2
Mining	1.4	1.0	1.3
Construction	1.9	.2	.5
Manufacturing .....	.3	.1	.2
Durable goods .....	.3	.1	.3
Nondurable goods .....	.4	.1	.2
Transportation and public utilities .....	.4	.7	.6
Trade .....	.8	.1	.3
Wholesale .....	.4	.2	.4
Retail	1.0	.2	.4
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.6
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1978, 1979, 1980, 1981, and 1982.

² Relative errors relate to 1982 data.

³ 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.

square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

$$RMSE = \sqrt{(\text{Standard Deviation})^2 + (\text{Bias})^2}$$

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

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

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 ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	2.2	4.0
100,000	3,900	1.3	2.3
200,000	5,600	1.1	2.0
500,000	14,000	.9	1.6
1,000,000	15,000	.8	1.2
2,000,000	26,000	.5	.9

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 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. 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

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	101,000	88,000
Goods producing	42,000	36,000
Mining	5,000	5,000
Construction	22,000	18,000
Manufacturing	33,000	29,000
Durable two-digit industries	6,300	5,900
Nondurable two-digit industries	4,500	4,500
Service-producing	77,000	72,000
Transportation and public utilities	14,000	15,000
Wholesale and retail trade	31,000	28,000
Finance, insurance, and real estate	8,000	7,000
Services	30,000	24,000
Government	61,000	53,000

NOTE: Division level data are based on differences from January 1977 through December 1982. Two-digit industry data are based on differences from January 1982 through December 1982.

each cooperating State agency are presented in a summary volume published annual 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 all persons measure changes in the volume of goods and services produced per paid hour of labor input.

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

Real compensation per hour is compensation per hour adjusted 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* includes 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 business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied hous-

ing, and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the gross domestic product of nonfinancial corporate business.

Manufacturing output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly

measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

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 area for benefits under Federal programs such as the Job Training and Partnership Act and the Public Works 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 area 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 labor force and unemployment estimates in the remaining 40 States, District of Columbia, and 239 labor market areas are prepared in several stages. Labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment:* The total employment estimate is based 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 several categories of employment 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, to which are added estimates for employment not covered by UI

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 person 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 noncovered 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 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 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 and the District of Columbia 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 the 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 the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published regularly in *Employment and Earnings*.

The seasonal adjustment program used for these series is an adaptation of the standard ratio-to-moving average method. It provides for "moving" adjustment

factors to take account of changing seasonal patterns. A detailed description of the method is given in *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, 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. 12-564E, February 1980. The X-11 procedure was originally developed at the Bureau of the Census and had been used by the BLS to seasonally adjusted labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places 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 calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, BLS calculates and publishes in *Employment and Earnings* a

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 are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December 1982, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1983, and a description of the current seasonal adjustment methodology are published in the January 1983 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1978-82 revision period for a broad range of labor force series appear in the February 1983 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from 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 1983. 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 nonsupervisory 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. These failed or unsatisfactory seasonally adjusted series are used in the aggregation to broader level seasonally adjusted series.

Prior to June 1983, seasonal factors for Federal Government employment were derived from unadjusted data which excluded Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers were substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal factors were based. In the past several years, the number of these workers have decreased to the point where their presence has no impact on seasonal adjustment. Beginning with the release of revised seasonal factors in June 1983, Christmas temporary Postal workers are not excluded from the calculation of seasonal factors for Federal Government employees. This change affects the seasonally adjusted Federal Government series from January 1978 forward. Temporary census takers for the 1980 decennial census will continue to be removed prior to the calculation of seasonal factors for Federal Government employment. The revised seasonally adjusted series for the establishment data reflect experience through March 1983. Seasonal factors to be used for current adjustment appear in the June 1983 issue of *Employment and Earnings*.

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