

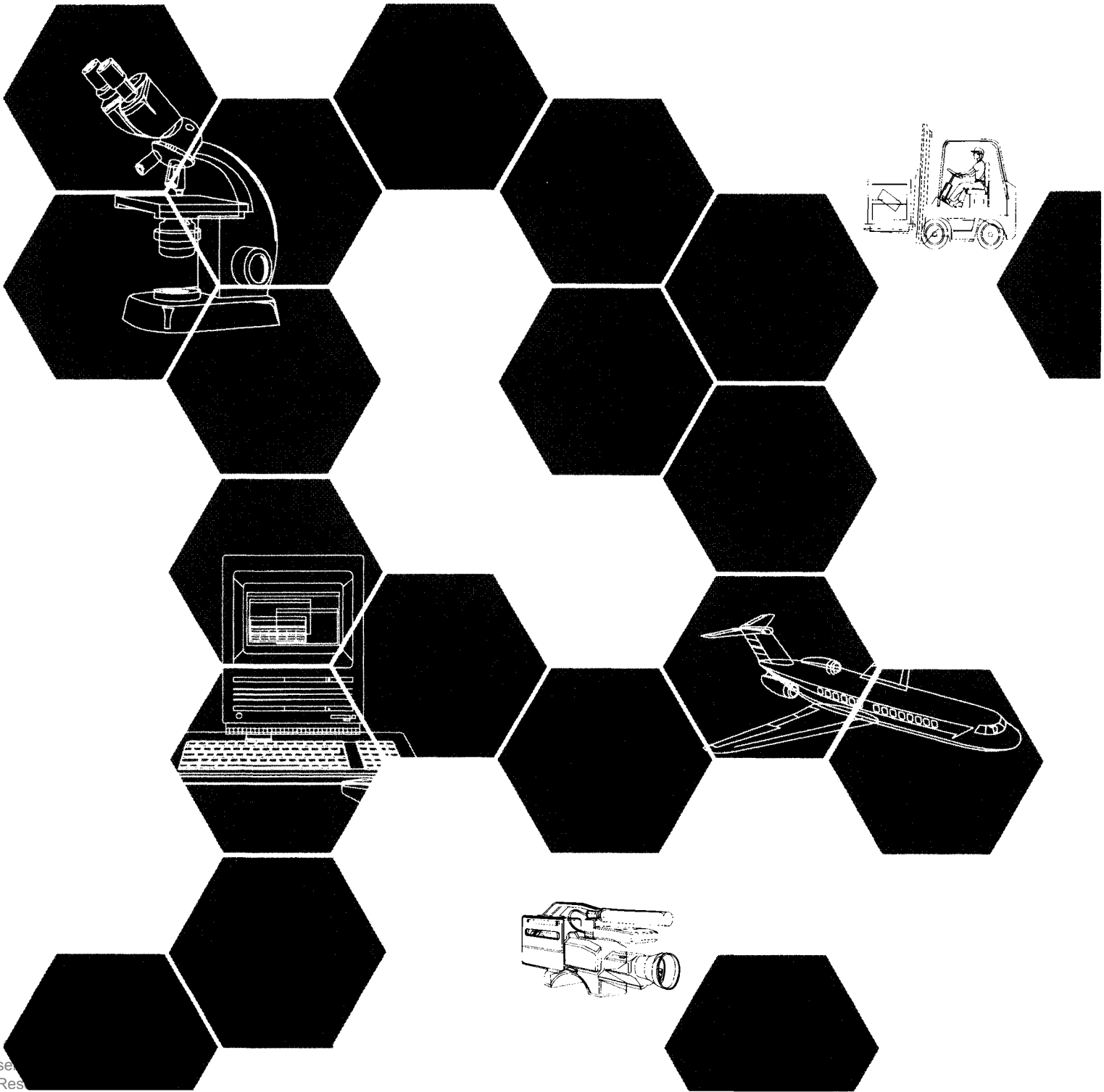
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# EMPLOYMENT AND EARNINGS

U.S. Department of Labor  
Bureau of Labor Statistics  
June 1996

In this issue: Establishment data adjusted to reflect new benchmarks and new seasonal adjustment procedures  
Revised 1995 annual averages for national establishment data





## U.S. DEPARTMENT OF LABOR

Robert B. Reich, *Secretary*

### BUREAU OF LABOR STATISTICS

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June 1996  
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## Calendar of Features

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

### Household data

Annual averages	Jan.
Union affiliation	Jan
Earnings by detailed occupation	Jan.
Employee absences	Jan.
Revised seasonally adjusted series	Jan.
Quarterly averages: Seasonally adjusted data, persons of Hispanic origin, Vietnam-era veterans and nonveterans, and weekly earnings data	Jan., Apr., July, Oct.

### Establishment data

National annual averages:	
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Women employees	March, June
National data revised to reflect new benchmarks and new seasonal adjustment factors	June
Revised historical national data	Bulletin <sup>1</sup>
State and area annual revisions	March
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual revisions	March
Annual averages	May

<sup>1</sup> A new bulletin is forthcoming

# Employment and Earnings

Editors: Gloria Peterson Green, Eugene H. Becker

## Editors' Note

Beginning with this issue, national estimates of employment, hours, and earnings from the monthly survey of business establishments have been revised to reflect March 1995 benchmarks (comprehensive counts of employment), new seasonal adjustment procedures, and updated seasonal adjustment factors. Unadjusted data from April 1994 forward and seasonally adjusted data from January 1988 forward have been revised.

The article beginning on page 3 discusses the effects of the revisions and provides new seasonal adjustment factors to be used to calculate establishment-based estimates for March-October 1996. Revised current data appear in the "B" tables. Historical data for all national establishment data series will be published in a forthcoming BLS bulletin.

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# Employment and Unemployment Developments, May 1996

Employment increased in May, and the unemployment rate returned to its March level of 5.6 percent. The jobless rate was 5.4 percent in April. Nonfarm payroll employment, as measured by the survey of employers, rose by 348,000, with increases spread across a broad range of industries. Total employment, as measured by the household survey, also rose in May.

## Unemployment

The unemployment rate, at 5.6 percent in May, has remained within a narrow range (5.4 to 5.8 percent) since late 1994. Among the major worker groups, the jobless rate for adult women increased by 0.3 percentage point to 5.0 percent, while the rates for adult men (4.8 percent), teenagers (16.4 percent), whites (4.9 percent), blacks (10.2 percent), and Hispanics (9.2 percent) showed little or no change in May. The number of unemployed persons was 7.4 million. (See tables A-3 and A-4.)

## Total employment and the labor force

Total employment rose by 367,000 to 126.5 million in May. Employment has increased by 1.5 million since December, after showing little growth through most of 1995. The employment-population ratio—the proportion of the population age 16 years and older with jobs—edged up to 63.1 percent in May. At 4.3 million, about a quarter of a million fewer persons worked part time for economic reasons in May than in April. These are persons who would have preferred to work full time. (See tables A-3 and A-6.)

The number of persons who held more than one job totaled 7.8 million (not seasonally adjusted) in May. These multiple jobholders made up 6.2 percent of all employed persons. (See table A-35.)

The civilian labor force rose by 550,000 in May to a seasonally adjusted level of 133.9 million. As a result, the labor force participation rate rose 0.3 percentage point to 66.9 percent. After having been little changed for most of 1995, the civilian labor force has increased by about 1.6 million since December. (See table A-3.)

## Persons not in the labor force

About 1.5 million persons (not seasonally adjusted) were marginally attached to the labor force in May—that is, they wanted and were available for work but had stopped look-

ing for jobs sometime in the prior 12 months. The number of discouraged workers—persons who had stopped looking for work specifically because they believed there were no jobs available for them—totaled 352,000 in May. (See table A-34.)

## Industry payroll employment

Nonfarm payroll employment rose by 348,000 in May to 119.2 million, after seasonal adjustment. Employment growth had averaged 191,000 per month from December through April. (See table B-3.)

Employment in the services industry expanded by 181,000 in May, after a smaller-than-usual gain in April. Increases occurred in nearly all components of the industry. Growth was particularly strong in business services (67,000), where help supply services alone added 48,000 workers. In addition, computer and data processing services continued its upward trend, with an increase of 15,000 jobs. Engineering and management services, an industry closely related to business services, also added 22,000 jobs. Health services employment rose by 39,000, as gains were spread among medical offices, hospitals, and nursing and personal care facilities.

Following a strong gain in April, retail trade employment was up by 46,000 in May. Most of the increase was in department stores, where little growth had occurred during the prior year. Employment in food stores had been flat through April of this year, but rose by 10,000 in May. By contrast, after showing strength in April, seasonal hiring in eating and drinking places was slightly less than usual for the month, resulting in a small decline, after seasonal adjustment.

Finance, insurance, and real estate employment was up by 20,000 in May, as job growth occurred in each component. Continued strength in mortgage brokerages and real estate reflected improvements in the housing market.

Transportation employment, which had been flat in April, rose by 18,000 in May. Increases were concentrated in local transit and in trucking and warehousing. Employment in communications continued its upward trend in May, adding 3,000 jobs, while employment in public utilities continued its slow and steady decline.

Government employment increased by 43,000 in May. Most of the growth was in the noneducation component of local government and partly reflected hiring of temporary workers for primary elections. State government employment

In the goods-producing sector, construction employment rose by 28,000 in May—about the average monthly increase since October of last year. All of the May growth in construction occurred among special trade contractors. Manufacturing employment held steady over the month, after having declined by 282,000 from its most recent peak in March 1995. Within manufacturing, motor vehicles and equipment added 10,000 jobs in May; there were small gains in a number of other industries as well. Employment continued to decline, however, in several other manufacturing industries, including apparel, printing and publishing, and food processing.

### Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls held at 34.3 hours in May, after seasonal adjustment. The factory workweek, at

41.7 hours, was up by 0.2 hour in May and was the longest since March 1995. Factory overtime was unchanged at 4.6 hours. (See table B-8.)

The index of aggregate weekly hours of private production or nonsupervisory workers on nonfarm payrolls rose 0.1 percent in May to 135.4 (1982=100), after seasonal adjustment. The manufacturing index increased by 0.5 percent to 106.2. (See table B-9.)

### Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers on nonfarm payrolls rose 3 cents in May, after seasonal adjustment, to \$11.75. Average weekly earnings were up \$1.03 to \$403.03. Over the year, average hourly earnings increased by 3.4 percent and average weekly earnings by 3.7 percent. (See table B-11.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
June	July 5	September	October 4
July	August 2	October	November 1
August	September 6	November	December 6



# BLS Establishment Estimates Revised to Incorporate March 1995 Benchmarks

Patricia M. Getz

With the release of data for May 1996, the Bureau of Labor Statistics introduced its annual revision of national estimates of employment, hours, and earnings from the Current Employment Statistics (CES) monthly survey of nonfarm establishments. Each year, the CES survey realigns its sample-based estimates to reflect more currently available universe counts of employment, a process known as benchmarking. Comprehensive counts of employment, or benchmarks, are derived primarily from employment data reported on unemployment insurance (UI) tax reports that nearly all employers are required to file with State employment security agencies.

The incorporation of the March 1995 benchmarks has revised all unadjusted data for the entire period subsequent to the March 1994 benchmark, that is, April 1994 forward. Although usual practice is to revise 5 years of historical seasonally adjusted data with benchmark updates, additional years have been included in this release to allow fuller incorporation of an improved seasonal adjustment methodology. The new seasonal adjustment procedures control for the effect of varying survey intervals (also known as the 4-versus 5-week effect), thereby providing improved measurement of over-the-month changes and underlying economic trends.

---

Patricia M. Getz is Chief, Branch of National Benchmarks, Division of Monthly Industry Employment Statistics, Bureau of Labor Statistics.

## Summary of the revisions

The March 1995 benchmark level for total nonfarm employment is 115,849,000; this figure is 542,000 or 0.5 percent above the previously published sample-based estimate, marking the second year of substantial upward revision; the March 1994 revision was 0.7 percent. (table 1). As was the case with the 1994 benchmark, a disproportionately large part of the 1995 revision is attributable to the small portion of the nonfarm employment population not covered by the UI universe counts. Although this segment of the population accounts for only about 2.5 percent of the employment total, it contributed over one-fourth of the total benchmark revision, a result of sizable increases in the source data for many of the industry components.

Table 2 summarizes the March 1995 revisions (not seasonally adjusted) by industry. An upward revision of 561,000 (0.6 percent) in the service-producing sector was slightly offset by a downward revision of 19,000 (-0.1 percent) in the goods-producing sector. The downward adjustment within the goods-producing sector came from construction which was revised downward by 75,000 (-1.6 percent). There was an upward revision to manufacturing of 55,000 (0.3 percent), while mining required an adjustment of 1,000 (0.2 percent).

Within manufacturing, durable goods had an upward revision of 53,000 (0.5 percent), attributable mainly to transportation equipment, which was adjusted upward by 39,000 and industrial machinery and equipment, which was revised upward by 15,000. Owing to offsetting revisions in several

**Table 1. Percent differences between nonfarm employment benchmarks and estimates by industry division, March 1988-95<sup>1</sup>**

Industry	1988	1989	1990	1991	1992	1993	1994	1995
Total .....	-0.3	( <sup>2</sup> )	-0.2	-0.6	-0.1	0.2	0.7	0.5
Mining .....	-1.7	-3.7	-3.3	-6	-8	2.2	-7	.2
Construction .....	-2.2	-1.5	-8	-2	-2.6	1.6	1.9	-1.6
Manufacturing .....	-7	-1.0	.3	.1	-8	1.1	1.3	.3
Transportation and public utilities .....	-7	-1.7	-3	-1.0	-6	1.0	2.2	-7
Wholesale trade .....	-1.5	.8	-2.6	-2	.7	-2.6	1.2	1.2
Retail trade .....	-3	.5	-3	-3	.9	-2	1.3	1.6
Finance, insurance, and real estate .....	-1	-1.1	-1.4	-4	-1.5	1.5	2.1	-1.8
Services .....	.5	.8	.3	-1.6	.2	.1	-8	.9
Government .....	-1	.3	.2	-3	.4	-1	.4	.2

<sup>1</sup> Differences are based on comparisons of final, published March estimates and benchmark levels, as originally published.

<sup>2</sup> Less than 0.05 percent.

**Table 2. Differences between nonfarm employment benchmarks and estimates by industry, March 1995**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Amount	Percent
Total .....	115,849	115,307	542	0.5
Total private .....	96,175	95,664	511	.5
Goods-producing .....	23,784	23,803	-19	-.1
Mining .....	576	575	1	.2
Metal mining .....	50	50	0	0
Coal mining .....	107	109	-2	-1.9
Oil and gas extraction .....	318	315	3	.9
Nonmetallic minerals, except fuels .....	102	101	1	1.0
Construction .....	4,748	4,823	-75	-1.6
General building contractors .....	1,138	1,178	-40	-3.5
Heavy construction, except building .....	661	651	10	1.5
Special trade contractors .....	2,948	2,994	-46	-1.6
Manufacturing .....	18,460	18,405	55	.3
Durable goods .....	10,644	10,591	53	.5
Lumber and wood products .....	758	752	6	.8
Furniture and fixtures .....	516	507	9	1.7
Stone, clay, and glass products .....	529	532	-3	-.6
Primary metal industries .....	712	716	-4	-.6
Blast furnaces and basic steel products .....	240	239	1	.4
Fabricated metal products .....	1,436	1,433	3	.2
Industrial machinery and equipment .....	2,049	2,034	15	.7
Computer and office equipment .....	347	336	11	3.2
Electronic and other electrical equipment .....	1,610	1,611	-1	-.1
Electronic components and accessories .....	567	567	0	0
Transportation equipment .....	1,806	1,767	39	2.2
Motor vehicles and equipment .....	970	936	34	3.5
Aircraft and parts .....	461	455	6	1.3
Instruments and related products .....	840	847	-7	-.8
Miscellaneous manufacturing .....	389	393	-4	-1.0
Nondurable goods .....	7,816	7,814	2	( <sup>1</sup> )
Food and kindred products .....	1,634	1,639	-5	-.3
Tobacco products .....	40	38	2	5.0
Textile mill products .....	677	667	10	1.5
Apparel and other textile products .....	956	941	15	1.6
Paper and allied products .....	691	687	4	.6
Printing and publishing .....	1,546	1,560	-14	-.9
Chemicals and allied products .....	1,037	1,048	-11	-1.1
Petroleum and coal products .....	145	144	1	.7
Rubber and miscellaneous plastics products .....	982	979	3	.3
Leather and leather products .....	108	111	-3	-2.8
Service-producing industries .....	92,065	91,504	561	.6
Transportation and public utilities .....	6,066	6,109	-43	-.7
Transportation .....	3,844	3,862	-18	-.5
Railroad transportation .....	238	238	0	0
Local and interurban passenger transit .....	427	447	-20	-4.7
Trucking and warehousing .....	1,814	1,826	-12	-.7
Water transportation .....	170	159	11	6.5
Transportation by air .....	772	755	17	2.2
Pipelines, except natural gas .....	15	17	-2	-13.3
Transportation services .....	408	420	-12	-2.9
Communications and public utilities .....	2,222	2,247	-25	-1.1
Communications .....	1,311	1,343	-32	-2.4
Electric, gas, and sanitary services .....	910	905	5	.5
Wholesale trade .....	6,316	6,243	73	1.2
Durable goods .....	3,683	3,628	55	1.5
Nondurable goods .....	2,633	2,615	18	.7

See footnotes at end of table.

**Table 2. Differences between nonfarm employment benchmarks and estimates by industry, March 1995—Continued**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Amount	Percent
Retail trade .....	20,627	20,300	327	1.6
Building materials and garden supplies .....	836	819	17	2.0
General merchandise stores .....	2,543	2,423	120	4.7
Department stores .....	2,224	2,114	110	4.9
Food stores .....	3,296	3,289	7	.2
Automotive dealers and service stations .....	2,158	2,178	-20	-.9
New and used car dealers .....	987	993	-6	-.6
Apparel and accessory stores .....	1,107	1,075	32	2.9
Furniture and home furnishings stores .....	932	935	-3	-.3
Eating and drinking places .....	7,166	7,033	133	1.9
Miscellaneous retail establishments .....	2,590	2,549	41	1.6
Finance, insurance, and real estate .....	6,770	6,890	-120	-1.8
Finance .....	3,225	3,304	-79	-2.4
Depository institutions .....	2,027	2,058	-31	-1.5
Commercial banks .....	1,466	1,491	-25	-1.7
Savings institutions .....	280	289	-9	-3.2
Nondepository institutions .....	453	478	-25	-5.5
Mortgage bankers and brokers .....	199	224	-25	-12.6
Security and commodity brokers .....	521	529	-8	-1.5
Holding and other investment offices .....	224	240	-16	-7.1
Insurance .....	2,232	2,237	-5	-.2
Insurance carriers .....	1,540	1,536	4	.3
Insurance agents, brokers, and service .....	692	701	-9	-1.3
Real estate .....	1,313	1,349	-36	-2.7
Services <sup>1</sup> .....	32,612	32,319	293	.9
Agricultural services .....	518	522	-4	-.8
Hotels and other lodging places .....	1,595	1,553	42	2.6
Personal services .....	1,223	1,219	4	.3
Business services .....	6,579	6,445	134	2.0
Services to buildings .....	872	863	9	1.0
Personnel supply services .....	2,361	2,303	58	2.5
Help supply services .....	2,087	2,038	49	2.3
Computer and data processing services .....	1,049	1,021	28	2.7
Auto repair, services, and parking .....	1,005	1,012	-7	-.7
Miscellaneous repair services .....	354	340	14	4.0
Motion pictures .....	480	576	-96	-20.0
Amusement and recreation services .....	1,299	1,331	-32	-2.5
Health services .....	9,151	9,179	-28	-.3
Offices and clinics of medical doctors .....	1,585	1,571	14	.9
Nursing and personal care facilities .....	1,675	1,676	-1	-.1
Hospitals .....	3,761	3,798	-37	-1.0
Home health care services .....	609	596	13	2.1
Legal services .....	919	928	-9	-1.0
Educational services .....	2,070	1,980	90	4.3
Social services .....	2,329	2,268	61	2.6
Child day care services .....	576	534	42	7.3
Residential care .....	633	628	5	.8
Museums and botanical and zoological gardens .....	74	76	-2	-2.7
Membership organizations .....	2,119	2,047	72	3.4
Engineering and management services .....	2,708	2,671	37	1.4
Engineering and architectural services .....	798	787	11	1.4
Management and public relations .....	779	770	9	1.2
Services, nec .....	43	41	2	4.7
Government .....	19,674	19,643	31	.2
Federal .....	2,822	2,822	0	0
Federal, except Postal Service .....	1,988	1,988	0	0
State .....	4,777	4,736	41	.9
Education .....	2,067	2,045	22	1.1
Other State government .....	2,710	2,690	20	.7
Local .....	12,075	12,085	-10	-.1
Education .....	6,941	6,975	-34	-.5
Other local government .....	5,133	5,109	24	.5

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

<sup>2</sup> Includes other industries, not shown separately.

2-digit SIC level industries, the net benchmark revision for nondurable goods was only 2,000. Textile mill products and apparel and other textiles were revised upward by 10,000 and 15,000, respectively, while printing and publishing was revised downward by 14,000 and chemicals and allied products was revised downward by 11,000.

Within the service-producing sector, there were substantial upward corrections in the two largest divisions; retail trade was revised upward by 327,000 or 1.6 percent, and services by 293,000 or 0.9 percent. Within retail trade, benchmark revisions were the largest in general merchandise stores, up by 120,000, and eating and drinking places, up by 133,000. Within the services division, there was a substantial upward adjustment of 134,000 in business services, as well as large revisions of 90,000 in education services and 72,000 in membership organizations. These upward adjustments were offset in part by a large downward adjustment of 96,000 in motion pictures. The revisions to educational services and membership organizations are in large part attributable to difficulties in estimating the non-UI covered part of the payroll employment. Among the other service-producing industries, government had a small upward correction of 31,000 (0.2 percent) while transportation and public utilities was revised down 43,000 (0.7 percent) and finance, insurance and real estate required a substantial downward adjustment of 120,000 (1.8 percent).

New estimates have been computed for each month since March 1995, based on the new benchmark levels. On a seasonally adjusted basis, the revision in total nonfarm employment stands at 737,000 in February 1996, reflecting the adjustment to new benchmark levels and the recomputation of bias and seasonal adjustment factors. Table 3 illustrates the extent of the revisions in both level and change, through a comparison of seasonally adjusted monthly data as previously published and as revised. Average monthly bias adjustment levels for the April 1995 to March 1996 time period were revised, from an average of 110,000 per month to an average of 130,000 per month. This upward revision to the bias adjustment factors reflects evidence that the original estimates were understating employment growth when compared to the most recent UI universe counts. Incorporation of a new, more refined seasonal adjustment method has also resulted in slightly larger revisions to over-the-month changes than usually result from the annual seasonal adjustment recomputation associated with each benchmark revision. Revisions to over-the-month change range from -122,000 in February 1996 to 152,000 in April 1995.

### **Why benchmarks differ from estimates**

A benchmark revision is the difference between the benchmark level for a given March and its corresponding sample-based estimate. The overall accuracy of the establishment survey is generally gauged by the size of this difference. The benchmark revision is often regarded as a proxy for total survey error, but this does not take into account error in the universe data. The employment counts obtained from

quarterly unemployment insurance tax forms are administrative data that reflect employer recordkeeping practices and differing State laws and procedures. The benchmark revision can be more precisely interpreted as the difference between two independently derived employment counts, each subject to its own error sources.

Like any sample survey, the establishment survey is susceptible to two sources of error: sampling error and nonsampling error. Sampling error is present anytime a sample is used to make inferences about a population. The magnitude of the sampling error, or variance, relates directly to sample size and the percentage of the universe covered by that sample. The CES monthly survey captures slightly over one-third of the universe—exceptionally high by usual sampling standards. This coverage implies a very small sampling error at the total nonfarm employment level.

Both the universe counts and the establishment survey estimates are subject to nonsampling errors common to all surveys—coverage, response, and processing errors. The error structures for both the CES monthly survey and the UI universe are complex. Still, the two programs generally produce fairly consistent total employment figures, each validating the other. Over the prior decade, up to the present benchmark, annual benchmark revisions at the total nonfarm level have averaged 335,000 (0.3 percent), with an absolute range from 47,000 to 747,000.

*Improvements in controlling benchmark revision sources.* BLS is currently engaged in research and development work designed to control major sources of benchmark revisions. In June 1995 the Bureau announced completion of initial research into current sample design limitations and plans for an additional 2-year research phase, to be followed by implementation of a probability-based sample design for the payroll survey.

Currently, the payroll survey relies on a quota sample; its inception over 50 years ago predates the introduction of probability sampling as the internationally recognized standard for sample surveys. Quota samples are known to be at risk for potentially significant biases, and research completed at BLS on the 1993 and 1994 benchmark revision sources suggests that the payroll estimates diverged substantially from what a more representative sample would have been expected to produce. Introducing a probability-based sample design will more effectively insure a proper representation of the universe of nonfarm business establishments, through randomized selection techniques and the regular rotation of sample members. The sample redesign will also address the current limitations in the payroll survey with regard to lack of a sample-based measurement for new business births. Historically, this was seen as a major benchmark revision source, as well as an almost intractable problem. Earlier studies indicated that there were often substantial and unpredictable lags between a firm opening for business and its inclusion in the State UI files which serve as the payroll survey's sampling frame as well as its benchmark source.

More recent reviews indicate that improvements in information sources will make it possible to gain early access to new UI account information, thereby forming the basis for a current birth unit sample frame, and resulting in better measurement of employment change stemming from new businesses.

*Non-UI covered employment.* The Bureau also has conducted analysis of error sources for the large benchmark revisions in the non-UI covered portion of the employment series over the past 2 years. It is researching methods to resolve this issue within the framework of the overall CES sample redesign.

There have been problems with large benchmark revisions in many of the series with large non-UI covered components. They arise from the fact that the alternate benchmark source data used for these series are 1 to 2 years out of date when compared with the benchmark reference point of the Covered Employment and Wages (ES-202) program. These non-UI benchmark counts are extrapolated forward using trends computed from the UI-covered portion of the industry. This extrapolation process, however, has not worked well in recent years, leading to larger benchmark revisions. BLS recently completed research into performing the extrapolation with various time series modeling techniques, including ARIMA and regression models, as a substitute for the ES-202 based extrapolators, and found some improvements in results. However, other issues with using alternative benchmark source data remain. Estimates from time series models are potentially subject to large errors at economic turning points. In addition, issues of data validation and general comparability with UI data trends can often be difficult to resolve.

Because of these issues, BLS is also evaluating the option of eliminating non-UI benchmark source data altogether, and relying on a redesigned CES sample to produce reliable estimates for the non-UI covered portion of the population. The UI-covered portion of the population for the affected series would continue to be benchmarked to the ES-202 universe counts. This option may become feasible when the CES sample redesign takes effect and non-UI covered estimates with a measurable reliability are available.

#### **Effect of benchmark revisions on other series**

The routine benchmarking process also results in revisions in the series on women workers and production or nonsupervisory workers. Although there are no benchmark employment levels for these series, they are revised by preserving ratios of employment for the particular series to all employees prior to benchmarking, and then applying these ratios to the revised all-employee figures. These figures are calculated at the basic cell level and then aggregated to produce the summary estimates.

Average weekly hours and average hourly earnings are not benchmarked; they are estimated directly from reported

figures at the estimating cell level. However, the broader industry groups of the 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 for broader industry groupings. Adjustments of the all-employee estimates to new benchmarks may alter the weights, which, in turn, may change the estimates for hours and earnings of production or nonsupervisory workers at higher levels of aggregation.

Generally, new employment benchmarks have little effect on hours and earnings estimates for major groupings. To influence the hours and earnings estimates of a broader group, employment revisions have to be relatively large and must affect industries which have substantially different hours or earnings averages than other industries in their group. Occasionally, corrections of errors in the reported payroll data for individual establishments may also change the averages of selected industries. Table 4 gives detailed information on revisions to specific hours and earnings series resulting from the March 1995 benchmark. At the total private level, average weekly hours were revised downward by 0.1 hour and average hourly earnings were revised downward by 2 cents.

#### **Methods**

*Benchmark adjustment procedure.* Establishment survey benchmarking is done on an annual basis to a population derived primarily from the administrative file of employees covered by unemployment insurance (UI). The time required to complete the revision process—from the full collection of the UI population data to publication of the revised industry estimates—is about 15 months. The benchmark adjustment procedure replaces the March sample-based employment estimates with UI-based population counts for March. The benchmark therefore determines the final employment levels, while sample movements capture month-to-month trends.

Benchmarks are established for each of the 1,703 industry-size-class basic estimation cells and are aggregated to develop published levels. On a not seasonally adjusted basis, the sample-based estimates for the year preceding and the year following the benchmark also are then subject to revision.

Employment estimates for the months between the most recent March benchmark and the previous year's benchmark are adjusted using a "wedge back" procedure. In this process, the difference between the benchmark level and the previously published March estimate for each estimating cell is computed. This difference, or error, is linearly distributed across the 11 months of estimates subsequent to the previous benchmark; eleven-twelfths of the March difference is added to February estimates, ten-twelfths to January estimates, and so on, ending with the previous April estimates,

**Table 3. Differences in seasonally adjusted levels and over-the-month changes, total nonfarm employment, January 1995-February 1996**  
(In thousands)

Year and date	Levels			Over-the-month changes		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>1995:</b>						
January .....	115,810	116,250	440	186	337	151
February .....	116,123	116,502	379	313	252	-61
March .....	116,302	116,701	399	179	199	20
April .....	116,310	116,861	551	8	160	152
May .....	116,248	116,907	659	-62	46	108
June .....	116,547	117,100	553	299	193	-106
July .....	116,575	117,201	626	28	101	73
August .....	116,838	117,499	661	263	298	35
September .....	116,932	117,623	691	94	124	30
October .....	117,000	117,749	749	68	126	58
November .....	117,212	117,899	687	212	150	-62
December .....	117,357	118,136	779	145	237	92
<b>1996:</b>						
January .....	117,211	118,070	859	-146	-66	80
February .....	117,842	118,579	737	631	509	-122

**Table 4. Effect of March 1995 benchmark revisions on hours and earnings estimates, selected industries**

Industry	Average weekly hours			Average hourly earnings		
	Previous estimate	Revised estimate	Difference	Previous estimate	Revised estimate	Difference
Total private .....	34.4	34.2	-0.1	\$11.36	\$11.34	-\$0.02
Good-producing .....	41.0	41.0	0	12.86	12.87	.01
Mining .....	44.0	43.9	-.1	15.24	15.22	-.02
Construction .....	38.1	38.2	.1	14.84	14.88	.04
Manufacturing .....	41.7	41.7	0	12.25	12.27	.02
Durable goods .....	42.6	42.6	0	12.83	12.86	.03
Lumber and wood products .....	40.4	40.4	0	9.95	9.94	-.01
Furniture and fixtures .....	39.4	39.4	0	9.67	9.68	.01
Stone, clay, and glass products .....	42.5	42.6	.1	12.25	12.26	.01
Primary metal industries .....	44.4	44.5	.1	14.41	14.45	.04
Fabricated metal products .....	42.5	42.5	0	12.05	12.05	0
Industrial machinery and equipment .....	43.9	43.9	0	13.15	13.17	.02
Electronic and other electrical equipment .....	41.5	41.6	.1	11.54	11.54	0
Transportation equipment .....	44.5	44.6	.1	16.66	16.75	.09
Instruments and related products .....	41.7	41.7	0	12.63	12.62	-.01
Miscellaneous manufacturing .....	39.9	40.0	.1	9.90	9.94	.04
Nondurable goods .....	40.5	40.5	0	11.45	11.44	-.01
Food and kindred products .....	40.6	40.6	0	10.87	10.87	0
Tobacco products .....	38.1	38.1	0	20.44	20.30	-.14
Textile mill products .....	41.2	41.2	0	9.30	9.29	-.01
Apparel and other textile products .....	37.3	37.3	0	7.51	7.53	.02
Paper and allied products .....	43.1	43.1	0	14.03	14.02	-.01
Printing and publishing .....	38.4	38.4	0	12.26	12.27	.01
Chemicals and allied products .....	43.3	43.3	0	15.43	15.39	-.04
Petroleum and coal products .....	43.4	43.3	-.1	19.38	19.37	-.01
Rubber and miscellaneous plastics products .....	41.8	41.8	0	10.80	10.79	-.01
Leather and leather products .....	38.1	38.1	0	8.13	8.10	-.03
Service-producing .....	32.4	32.4	0	10.84	10.82	-.02
Transportation and public utilities .....	39.1	39.1	0	14.06	14.06	0
Wholesale trade .....	38.0	38.1	.1	12.25	12.27	.02
Retail trade .....	28.3	28.3	0	7.63	7.63	0
Finance, insurance, and real estate .....	35.5	35.5	0	12.21	12.21	0
Services .....	32.2	32.2	0	11.36	11.32	-.04

which receive one-twelfth of the March difference. The wedge procedure assumes that the total estimation error accumulated at a steady rate since the last benchmark.

Estimates for the months following the March benchmark are recalculated by applying previously derived over-the-month sample changes to the revised March level. New bias adjustment factors, which incorporate the most recent benchmark experience, also are calculated and applied during post-benchmark estimation.

*Benchmark source material.* The principal source of benchmark data for private industries is the "ES-202 report," which contains employment data reported to State employment security agencies by employers covered by State UI laws. The ES-202 is supplemented by universe counts for Federal employees derived from official summaries prepared by the U.S. Office of Personnel Management (OPM) for the executive, legislative, and judicial branches. These summaries are complete counts of Federal workers and are usually not subject to revision.<sup>1</sup> The official OPM summaries do not provide industry detail for Federal employment, such as hospitals, on a current monthly basis. BLS estimates these from a sample of Federal establishments.

BLS uses several other sources to establish benchmarks for the remaining industries partially covered or exempt from mandatory UI coverage, accounting for nearly 2.5 percent of the nonfarm employment total. Data on employees covered under Social Security laws, published by the Bureau of the Census in *County Business Patterns*, are used to augment UI data for nonoffice insurance sales workers, child daycare workers, religious organizations, and private schools and hospitals. Benchmarks for State and local government hospitals and educational institutions are based on the Annual Census of Governments conducted by the Bureau of the Census. Benchmark data from these sources are available only on a 1- or 2-year lagged basis; extrapolation to a current level is accomplished by assuming and applying the employment trends from the UI-covered part of the population in these industries to the non-covered part. Universe data for interstate railroads are obtained from the Interstate Commerce Commission.

*Bias adjustment.* Bias adjustment factors are computed for each 3-digit SIC level, but are applied at the basic cell level, as part of the standard monthly estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey—the inability to capture, on a timely basis, employment generated by new business formations. There is a lag between an establishment opening for business and its appearance on the UI universe frame to be available for sampling. Because new firms gen-

erate a substantial amount of employment growth during any given year, nonsampling methods are presently used to estimate this growth; otherwise substantial underestimation of total employment levels would occur. Formal bias adjustment procedures have been used in the CES program since the late 1960s. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming post-benchmark year.

This procedure eventually proved inadequate during periods of rapidly changing employment trends, and the bias adjustment methods were revised. Research done in the early 1980s indicated that bias requirements were strongly correlated with current employment growth or decline. Based on this finding, a revised method was developed. It incorporated data on employment growth over the most recent two quarters, and a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This methodological enhancement made the model more sensitive to cyclical changes. BLS has used the regression-adjusted mean error model since 1983 for the production of national estimates.

Although an important function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other types of nonsampling error in the survey. Because the primary input to the modeling procedure is the total estimation error, the monthly bias adjustment levels have no specific economic meaning in and of themselves but represent a correction process for a complex joint error structure of sample and universe data.

Text table A summarizes the above discussion. It shows the March benchmarks and revisions for total private employment from 1985 through 1995. The table also shows the average monthly "bias added" and "bias required." Bias added is the average amount of bias which is added each month over the course of an interbenchmark period. For example, the bias added for 1995 was 144,000; this represents the average bias adjustment made each month over the period April 1994 through March 1995. Bias required is computed retrospectively, after the March benchmark for a given year is determined. Total bias required is the difference between a March estimate derived purely from the CES sample (i.e., a series calculated without any bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required thus equals the amount of monthly bias adjustment needed to achieve a zero benchmark error. For a given year, the difference between the total bias required and total bias added is approximately the benchmark revision amount. Also included in the table, for comparison, is the March-to-March change. The over-the-year change shows some correlation with the bias added and bias required figures.

The current bias estimation model still has limitations in its ability to react to changing economic conditions or changing error structure relationships between the sample-based

<sup>1</sup> Employees of the Central Intelligence Agency, the National Security Agency, and those of the Department of Defense paid from nonappropriated funds are not included in the OPM summaries of these series and are therefore not counted.

**Text table A. March employment benchmarks and bias adjustments for total private industries, March 1985-95**

(In thousands)

Year	Benchmark		Average monthly bias		Over-the-year employment change <sup>5</sup>
	Employment <sup>1</sup>	Revision <sup>2</sup>	Added <sup>3</sup>	Required <sup>4</sup>	
1985 .....	79,446	-131	152	141	3,075
1986 .....	81,204	-400	149	116	1,758
1987 .....	83,173	21	98	99	1,969
1988 .....	86,180	-310	114	88	3,007
1989 .....	89,015	-93	131	123	2,835
1990 .....	90,546	-261	85	63	1,531
1991 .....	88,790	-583	61	12	1,756
1992 .....	88,347	-130	33	22	-443
1993 .....	89,790	288	83	107	1,443
1994 .....	92,730	688	115	171	2,940
1995 .....	96,175	511	144	187	3,445

<sup>1</sup> Universe counts for March of each year are used to make annual benchmark adjustments to the employment estimates. About 98 percent of the benchmark employment is from unemployment insurance administrative records, and the remaining 2 percent is from alternate sources. Data represent benchmark levels as originally computed.

<sup>2</sup> Difference between the final March sample-based estimate and the benchmark level for total private employment.

<sup>3</sup> The average amount of bias adjustment each month over the course of an inter-benchmark period, i.e., from April of the prior year through March of the given year.

<sup>4</sup> The difference between the March benchmark and the March estimate derived solely from the sample without bias adjustment, converted to a monthly amount by dividing by 12.

<sup>5</sup> March-to-March changes in the benchmark employment level.

NOTE: Data in this table exclude government employment because there is no bias adjustment for this sector.

estimates and the UI universe tabulations. A principal disadvantage is the model's inability to incorporate UI counts as they become available on an ongoing basis, with their 6- to 9-month lags from the reference period. The quarterly bias factors currently produced by the model are therefore subject to intervention analysis, and adjustments can be made to its results prior to the establishment of final factors for a quarter. The bias factors are reviewed primarily through detection of outliers (i.e., abnormally high or low values) and by comparison of CES sample and bias trends with the most recent quarterly observations of UI universe counts. The Bureau is currently studying alternative bias models using Kalman filter and exponential smoothing techniques, which would allow more formal, structured incorporation of each quarter's universe counts in the modeling process.

*Noneconomic code changes.* Noneconomic code changes are a major source of benchmark revision at the major industry division levels and below. These code changes are introduced into the universe data the first quarter of each calendar year.

Each year, coding for approximately one-third of all establishments is reviewed and corrected as necessary through the SIC refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this pro-

cess. The volume of these corrections is normally quite large and can have a major effect on universe employment distributions at the industry levels, but effects on total nonfarm employment are minimal. Under the current refiling procedures, each division is subject to refiling every third year. When a division is refiled, a substantial amount of its employment may be reclassified into other major divisions, thus lowering its benchmark level and potentially causing a significant downward revision in previously published employment levels. Correspondingly, the reclassification raises benchmark levels in other industries which receive the reclassified establishments. Noneconomic code changes can affect the measurement of benchmark error at all industry levels. Reclassifications have minimal effect at the total nonfarm level because they occur only when establishments come into or out of the scope of the CES survey.

*Effects for the 1995 benchmark.* All major divisions except services and trade were refiled over the past year. The results of this refiling affected the measurement of benchmark revisions for 1995 most significantly in construction, manufacturing, and finance, insurance, and real estate. Approximately half of the substantial downward revisions in construction and finance, insurance, and real estate are attributable to refiling effects. Refiling had the opposite effect on the manufacturing revision; without refiling the upward revisions would have been almost twice as large as the actual published revision. Text table B shows the net effect on all major divisions from the most recent refiling, and displays the actual benchmark revision alongside an "adjusted benchmark revision," the amount of revision excluding the noneconomic code change component. Absent the code changes, revisions would have been more evenly spread among the major divisions.

### Seasonal adjustment procedures

Beginning with the release of the 1995 benchmark revision, BLS is using X-12 ARIMA (Auto-Regressive Integrated Moving Average) software developed by the Bureau of the Census to seasonally adjust the CES employment, hours, and earnings series. The X-12 ARIMA replaces the Statistics Canada X-11 ARIMA procedure that was previously used for these series. The conversion to X-12 has allowed BLS to refine its seasonal adjustment procedures to control for survey interval variations, sometimes referred to as the 4- versus 5-week effect. Although the CES survey is referenced to a consistent concept—the pay period including the 12th of each month—inconsistencies arise because there are sometimes 4 and sometimes 5 weeks between the week including the 12th in a given pair of months. In highly seasonal industries, this variation can be an important determinant of the magnitude of seasonal hires or layoffs that have occurred at the time the survey is taken, thereby complicating seasonal adjustment.

Standard seasonal adjustment methodology relies heavily on the experience of the most recent 3 years to determine



Text table B. Effect of noneconomic code changes on benchmark employment levels by industry, March 1995

(Numbers in thousands)

Industry	Overall benchmark revision	Net employment shift due to code changes <sup>1</sup>	Benchmark revision, less effect of code changes	Percent benchmark revision	
				Total	Less effect of code change
Total nonfarm .....	542	5	537	0.5	0.5
Mining .....	1	-4	5	.2	.9
Construction .....	-75	-35	-40	-1.6	-.8
Manufacturing .....	55	-47	102	.3	.6
Transportation and public utilities .....	-43	-19	-24	-.7	-.4
Wholesale trade .....	73	27	46	1.2	.7
Retail trade .....	327	42	285	1.6	1.4
Finance, insurance, and real estate .....	-120	-53	-67	-1.8	-1.0
Services .....	293	86	207	.9	.6
Government .....	31	8	23	.2	.1

<sup>1</sup> Shift is measured and based on the December 1993 employment levels.

the expected seasonal change in employment for each month of the current year. Because the previous X-11 ARIMA based procedures did not distinguish between 4- and 5-week survey intervals, the accuracy of the seasonal expectation depended in large measure on how well the current year's survey interval corresponded with those from the previous 3 years. All else the same, the greatest potential for distortion occurred when the current month being estimated had a 5-week interval but the 3 years preceding it were all 4-week intervals, or conversely, when the current month had a 4-week interval but the 3 years preceding it were all 5-week intervals.

*Research into controlling for the survey interval effect.* Initial research on this topic was conducted at the Federal Reserve Board. Researchers there used time series modeling techniques to identify and remove the varying interval effect before seasonally adjusting CES series. BLS has adopted the basic method used by the Federal Reserve Board researchers, using a technique known in the X-12 software as REGARIMA (Regression with auto-correlated errors) modeling to identify the estimated size and significance of the calendar effect for each published series. REGARIMA modeling combines standard regression analysis, which measures correlations among two or more variables, with ARIMA modeling which describes and predicts the behavior of a data series based on its own past history. For many economic time series, including nonfarm payroll employment, observations are auto-correlated over time, that is, each month's value is significantly dependent on the observations that precede it; these series, thus, usually can be successfully fit using ARIMA models. If auto-correlated time series are modeled through regression analysis alone, the measured relationships among other variables of interest may be distorted due to the influence of the auto-correlation. Thus, the REGARIMA technique is appropriate to measuring relationships among variables of interest in series that exhibit auto-correlation, such as nonfarm payroll employment.

In this application, the correlations of interest are those between employment levels in individual calendar months and the lengths of the survey intervals for those months. The REGARIMA models evaluate the variation in employment levels attributable to 11 separate survey interval variables, one specified for each month, except March. March is excluded because there are always 4 weeks between the February and March surveys. Models for individual basic series were fitted with the most recent 10 years of data available, the standard time span used for CES seasonal adjustment.

The REGARIMA procedure yielded a regression coefficient for each of the 11 months specified in the model. These coefficients provide estimates of the strength of the relationship between employment levels and the number of weeks between surveys for the 11 modeled months. The X-12 ARIMA software also produces diagnostic statistics that permit the assessment of the statistical significance of the regression coefficients. Results obtained from a joint test that examines statistical significance across all 11 monthly variables show that about two-thirds of the published all-employee series for individual industries had significant calendar effects. Individual months also were reviewed for significant effects; about three-fourths of the series tested significant for at least 1 month.

*Implementation of combined interval effect and seasonal adjustment.* Because the 11 coefficients derived from the REGARIMA models provide an estimate of the magnitude of variation in employment levels associated with the length of the survey interval, these coefficients were used to adjust the raw CES data to remove the calendar effect. These "filtered" series then were seasonally adjusted using the standard X-12 ARIMA method. The seasonal adjustment portion of the X-12 ARIMA procedure is very similar to that of the X-11 ARIMA software previously used. The major difference that affects the CES series is the enhancement of the ARIMA modeling portion of the software.

For a few series, REGARIMA models did not fit well; these series were seasonally adjusted with the X-12 software but without the interval effect adjustment. The most significant of these series were the sub-components of the construction division (general building contractors, heavy construction, except building, and special trade contractors). While construction is a very seasonal industry that is likely to be influenced by the calendar effect, the REGARIMA modeling process had difficulty in accurately separating out and measuring this effect, most likely because of the strong influence of variable weather patterns on the employment movements in construction. Four other 2-digit level SIC series also are not adjusted for the interval effect because of difficulty in fitting models: Local and interurban passenger transit, private educational services, membership organizations, and miscellaneous services, not elsewhere classified.

*Other data series.* The establishment-based series for women workers, production and nonsupervisory workers, average weekly hours, average weekly overtime hours, and average hourly earnings also were adjusted with X-12 ARIMA including interval effect modeling. As with the all employee data, there were a few series which could not successfully be fitted to ARIMA/REGARIMA models and these do not include the interval effect adjustment. They are noted on tables 6-10 which provide seasonal factors for the coming months.

*Special adjustments.* BLS is continuing the practice of making special adjustments for average weekly hours and average weekly overtime series to account for the presence or absence of religious holidays in the April survey reference period and Labor Day in the September reference period. From 1988 forward, those adjustments are now made as a part of the X-12 ARIMA/REGARIMA modeling process rather than through the moving-holiday extension of X-11 ARIMA previously used. The special adjustment made in November each year for poll workers in the local government, except education series is also now incorporated into the X-12 process, replacing the X-11 based procedure previously used to account for this effect.

Most other aspects of the procedure for seasonally adjusting nonfarm payroll employment series have not changed. All series were seasonally adjusted using multiplicative mod-

els; additive models were not considered. For employment, seasonal adjustment factors are directly applied to the component levels. Individual 2-digit SIC levels are seasonally adjusted and higher level aggregates formed by summation of these components. Seasonally adjusted totals for hours and earnings are obtained by taking weighted averages of the seasonally adjusted data for the component series.

For a small number of series seasonally adjusted data are not published. These series are characterized by small seasonal components relative to their trend-cycle and irregular components. They are identified in tables 6-10. These series are used, however, in aggregations of broader seasonally adjusted levels.

The Bureau also is continuing the practice of computing and publishing projected seasonal factors twice a year for use in seasonally adjusting establishment-based employment, hours, and earnings series. Factors for the 6-month period May through October 1996 are published in tables 6 through 11. Additionally these tables include revised seasonal factors for March and April 1996, based on the most current seasonal adjustment computations; these factors are in use for the March final and April second preliminary and final estimates.

When BLS next introduces updated seasonal factors for production of November 1996 first preliminary estimates, revised factors from this update will be used to seasonally adjust September final and October second preliminary and final estimates. This is a change to the past practice of retaining the original factors for these months and will eliminate the influence of revised seasonal adjustment factors on the published over-the-month change for November 1996.

#### **Publication of revised data**

A forthcoming bulletin will contain all historical data revised as a result of this benchmark and updated seasonal adjustment factors, that is, unadjusted data for April 1994 forward and seasonally adjusted data for January 1988 forward. Employment estimates are published monthly in *Employment and Earnings* for most of the significant nonfarm industries. Those industries for which monthly data are not published are either quite small or are not represented by a sufficient sample. Table 5 contains the March 1995 benchmark figures for these industries.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Total</b> .....		103,535	106,624	108,606	107,507	107,300	108,935	112,141	115,849
<b>Total private</b> .....		85,881	88,613	90,038	88,790	88,347	89,790	92,730	96,175
<b>Goods-producing</b> .....		24,522	24,753	24,636	23,390	22,724	22,754	23,181	23,784
<b>Mining</b> .....		710	677	691	695	634	603	592	576
Lead and zinc ores .....	103	2.0	2.3	2.6	2.5	2.5	2.5	2.4	2.4
Gold and silver ores .....	104	16.2	19.5	21.0	19.7	19.6	18.7	17.1	17.7
Other metal ores and mining services .....	106,8,9	8.5	10.1	10.0	9.0	7.3	5.8	5.9	6.2
Bituminous coal and lignite-surface .....	1221	59.7	57.3	56.7	53.3	50.7	47.1	45.8	43.4
Bituminous coal-underground .....	1222	81.2	78.4	79.8	75.9	68.3	63.3	59.4	56.2
Anthracite mining and coal mining services .....	123,4	10.9	9.5	9.4	9.1	8.5	7.4	7.2	7.4
Natural gas liquids .....	132	5.0	4.7	4.5	4.7	6.0	5.0	5.0	5.2
Clay, ceramic, and refractory minerals .....	145	8.3	8.3	8.5	7.4	7.5	7.5	7.4	7.7
Dimension stone and other nonmetallic minerals .....	141,8,9	11.1	9.9	10.6	10.2	9.1	9.3	9.3	10.0
<b>Construction</b> .....		4,675	4,726	4,846	4,356	4,117	4,177	4,497	4,748
Bridge, tunnel, and elevated highway .....	1622	43.9	43.7	45.4	41.4	42.5	42.4	39.6	43.6
Water, sewer, and utility lines .....	1623	198.9	203.4	206.9	186.9	180.0	181.6	190.8	196.8
Heavy construction, nec .....	1629	235.0	245.8	249.8	248.1	243.4	228.3	239.0	246.8
Masonry and other stonework .....	1741	155.2	151.2	154.6	127.3	120.3	118.1	127.6	137.5
Plastering, drywall, and insulation .....	1742	249.1	256.0	261.7	218.9	194.1	194.4	210.9	222.1
Terrazzo, tile, marble, and mosaic work .....	1743	34.7	36.0	39.0	33.8	29.8	30.1	31.3	33.4
Carpentry work .....	1751	131.4	147.9	151.7	118.7	119.4	127.3	144.9	156.2
Floor laying and floor work, nec .....	1752	45.6	47.4	48.8	46.2	43.8	46.6	49.9	53.1
Concrete work .....	177	176.9	190.0	195.9	161.6	161.2	166.0	185.9	208.1
Water well drilling .....	178	17.6	18.8	19.0	18.8	18.8	18.5	19.6	20.6
Miscellaneous special trade contractors .....	179	461.1	470.2	500.0	469.6	436.9	442.3	482.2	511.9
Structural steel erection .....	1791	73.2	74.9	74.0	67.8	58.6	56.4	59.7	62.7
Glass and glazing work .....	1793	39.9	39.3	39.9	36.1	32.0	32.0	33.1	35.4
Excavation work .....	1794	109.6	104.7	108.4	94.1	90.2	93.0	101.5	111.0
Wrecking, demolition, and other special trade contractors .....	1795,6,9	238.4	251.3	277.7	271.6	256.1	260.9	287.9	302.8
<b>Manufacturing</b> .....		19,137	19,350	19,099	18,339	17,973	17,974	18,092	18,460
<b>Durable goods</b> .....		11,254	11,424	11,185	10,580	10,247	10,192	10,307	10,644
Lumber and wood products:									
Special product sawmills, nec .....	2429	3.4	3.5	3.1	2.7	2.1	2.1	1.9	1.6
Structural wood members, nec .....	2439	26.4	27.6	27.3	20.6	22.3	25.2	29.8	32.6
Nailed wood boxes and shooks .....	2441	5.5	4.9	4.4	4.2	3.8	3.9	3.8	3.8
Wood pallets and skids .....	2448	29.9	31.7	32.3	32.0	31.7	33.6	37.3	40.2
Wood containers, nec .....	2449	7.5	7.9	8.2	7.8	7.4	7.2	7.4	7.1
Prefabricated wood buildings .....	2452	22.4	21.6	18.4	16.0	14.7	15.5	16.1	18.1
Wood preserving .....	2491	12.7	12.8	12.6	11.9	11.1	11.1	11.5	11.5
Reconstituted wood products .....	2493	15.8	17.1	18.0	16.5	17.4	17.6	18.9	19.9
Wood products, nec .....	2499	61.9	58.5	55.7	52.3	51.8	54.4	56.6	55.8
Furniture and fixtures:									
Wood television and radio cabinets, and household furniture, nec .....	2517,9	12.7	14.3	13.6	12.0	13.5	13.0	12.5	11.6
Wood office furniture .....	2521	35.2	35.3	34.8	30.3	27.2	26.5	28.0	28.3
Office furniture, except wood .....	2522	35.4	36.2	34.3	32.1	33.6	32.9	33.1	34.3
Wood partitions and fixtures .....	2541	43.2	43.0	42.4	40.3	39.7	39.7	42.3	47.8
Partitions and fixtures, except wood .....	2542	34.0	35.3	35.4	33.0	32.3	33.6	34.0	37.6
Drapery hardware and blinds and shades .....	2591	22.0	21.9	22.3	19.7	19.9	18.7	20.0	20.8
Furniture and fixtures, nec .....	2599	12.6	13.9	15.0	14.0	14.6	15.5	16.0	16.3
Stone, clay, and glass products:									
Brick and structural clay tile .....	3251	17.3	16.7	15.8	13.9	13.3	14.0	13.7	14.3
Clay refractories .....	3255	7.5	7.7	7.0	6.4	5.8	5.8	5.8	7.2
Ceramic tile and structural clay products, nec .....	3253,9	13.4	13.5	13.3	11.7	10.8	11.9	12.1	13.0
Vitreous plumbing fixtures .....	3261	9.6	9.5	9.1	8.6	8.9	9.4	10.0	10.6
Vitreous and semivitreous table and kitchenware .....	3262,3	5.8	5.8	5.5	4.9	5.4	5.0	5.1	5.4
Porcelain electrical supplies .....	3264	11.2	11.5	11.1	10.7	10.1	9.8	10.0	10.7
Pottery products, nec .....	3269	12.1	13.2	13.5	12.5	13.2	14.5	14.9	14.8
Lime .....	3274	5.4	5.2	5.3	5.0	5.0	4.9	4.8	5.1
Gypsum products .....	3275	14.4	14.2	13.5	12.0	11.6	11.8	11.9	12.2
Cut stone and stone products .....	328	13.2	13.8	15.0	14.0	13.6	13.1	13.6	13.1
Minerals, ground or treated .....	3295	12.2	12.8	13.0	13.4	12.7	12.2	12.3	12.3
Nonclay refractories .....	3297	7.8	8.4	8.1	8.1	8.9	8.7	8.6	8.3
Nonmetallic mineral products, nec .....	3299	7.7	8.0	8.9	8.6	7.4	8.3	9.3	9.9

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Durable goods-Continued</b>									
Primary metal industries:									
Electrometallurgical products .....	3313	7.9	6.1	6.1	6.0	6.3	6.0	5.7	5.2
Steel wire and related products .....	3315	19.2	19.5	18.4	16.9	16.4	17.1	18.2	19.3
Cold finishing of steel shapes .....	3316	16.6	19.0	17.6	16.9	15.6	15.7	16.1	17.0
Steel investment foundries .....	3324	14.6	15.1	15.8	16.2	15.6	14.4	14.3	15.7
Primary copper .....	3331	5.3	5.5	5.5	5.3	5.7	5.4	5.8	5.9
Primary nonferrous metals, nec .....	3339	12.5	14.3	14.5	14.5	12.9	12.4	11.9	11.8
Secondary nonferrous metals .....	3334	17.8	18.4	18.8	18.5	15.5	14.5	15.4	15.8
Aluminum extruded products .....	3354	33.4	31.6	30.0	28.0	26.8	27.6	27.6	31.4
Aluminum and nonferrous rolling and drawing, nec .....	3355,6	18.0	18.5	18.2	18.1	19.0	18.5	18.1	18.4
Aluminum die-castings .....	3363	23.8	29.2	27.6	26.2	28.9	30.4	31.7	36.6
Nonferrous die-castings, except aluminum .....	3364	13.6	13.0	13.0	11.5	10.5	10.9	11.1	11.1
Copper foundries .....	3366	11.0	11.3	10.7	10.0	9.3	9.0	9.2	9.5
Nonferrous foundries, nec .....	3369	8.7	9.2	9.0	8.2	7.0	6.1	6.2	6.5
Miscellaneous primary metal products .....	339	26.7	27.7	27.2	26.2	25.9	26.5	27.5	28.5
Metal heat treating .....	3398	14.8	15.7	15.3	15.2	14.9	15.3	16.0	17.5
Primary metal products, nec .....	3399	11.9	12.0	11.9	11.0	11.0	11.2	11.5	11.0
Fabricated metal products:									
Metal barrels, drums, and pails .....	3412	10.3	10.2	9.5	9.4	8.8	8.2	7.9	7.7
Cutlery .....	3421	11.0	11.4	12.1	11.8	11.6	11.4	11.9	11.8
Metal sanitary ware .....	3431	13.2	13.6	13.5	12.6	13.0	13.2	13.9	14.6
Prefabricated metal buildings .....	3448	24.9	25.8	25.5	22.4	20.9	21.6	23.5	25.7
Miscellaneous metal work .....	3449	17.4	15.4	14.7	13.2	12.3	12.5	12.4	12.4
Nonferrous forgings, crowns, and closures .....	3463,6	12.7	12.7	12.1	11.1	11.9	11.2	11.1	11.6
Small arms, small arms ammunition, and other ordnance and accessories, nec .....	3482,4,9	33.6	31.6	30.3	26.6	25.0	24.1	23.2	25.0
Industrial valves .....	3491	25.4	26.9	27.8	26.8	26.6	25.2	25.2	26.9
Fluid power valves and hose fittings .....	3492	26.5	29.3	28.5	27.6	27.5	27.2	27.7	31.8
Steel springs, except wire .....	3493	6.3	6.2	6.0	5.6	4.8	4.8	5.1	5.6
Wire springs .....	3495	13.5	13.7	13.1	12.1	13.0	13.5	14.1	15.3
Fabricated pipe and fittings .....	3498	23.5	24.2	24.1	24.5	25.2	26.7	26.8	27.4
Metal foil and leaf, and fabricated metal products, nec .....	3497,9	48.8	54.8	55.5	54.5	50.2	55.5	58.0	62.6
Industrial machinery and equipment:									
Lawn and garden equipment .....	3524	30.9	28.7	30.6	26.7	27.1	27.2	28.4	30.4
Elevators and moving stairways .....	3534	12.8	11.8	11.5	10.3	9.3	9.6	9.6	9.8
Hoists, cranes, and monorails .....	3536	8.5	8.2	8.4	9.0	7.7	7.3	7.2	7.8
Industrial patterns .....	3543	9.8	9.0	9.0	8.7	8.2	8.1	8.4	8.8
Welding apparatus .....	3548	16.9	19.0	18.7	18.4	18.5	18.0	18.9	20.7
Rolling mill and metalworking machinery, nec .....	3547,9	9.9	12.5	12.7	12.4	12.7	13.1	13.3	15.2
Woodworking machinery .....	3553	11.1	10.6	9.8	8.4	8.0	8.7	9.9	11.3
Paper industries machinery .....	3554	17.6	18.5	19.7	18.9	19.6	19.3	19.5	21.2
Special industry machinery, nec .....	3559	60.3	64.0	62.3	60.8	60.0	60.4	62.4	71.8
Packaging machinery .....	3565	19.7	21.3	21.8	21.5	19.0	19.8	20.1	22.1
Industrial furnaces and ovens .....	3567	17.0	18.3	18.5	17.2	15.9	15.6	16.5	17.7
General industrial machinery, nec .....	3569	36.7	39.9	39.8	39.6	40.0	40.8	42.8	44.3
Computer storage devices .....	3572	29.2	36.2	35.0	38.2	35.6	38.0	37.6	40.3
Computer peripheral equipment, nec .....	3577	59.3	61.6	58.0	58.7	55.3	53.0	57.9	60.0
Automatic vending machines .....	3581	8.8	8.0	7.5	7.3	6.8	7.1	7.5	8.1
Commercial laundry equipment .....	3582	6.2	5.7	5.8	5.7	5.3	5.5	5.8	6.2
Measuring and dispensing pumps, and service industry machinery, nec .....	3586,9	40.8	43.2	43.2	41.6	41.9	42.9	45.8	48.6
Fluid power cylinders and actuators .....	3593	19.4	19.3	19.4	18.4	16.4	16.3	17.1	18.5
Fluid power pumps and motors .....	3594	30.1	31.2	29.3	28.7	27.4	26.3	25.4	26.2
Electronic and other electrical equipment:									
Carbon and graphite products .....	3624	10.1	11.2	10.9	10.2	9.4	9.3	9.5	10.0
Electrical industrial apparatus, nec .....	3629	9.9	9.1	9.1	9.3	9.6	9.5	9.2	9.7
Household cooking equipment .....	3631	21.6	21.6	20.6	18.0	17.6	21.1	21.8	23.3
Household vacuum cleaners and appliances, nec .....	3635,9	25.5	25.7	25.0	21.6	25.6	25.6	25.5	23.8
Commercial lighting fixtures .....	3646	20.5	21.6	22.9	22.2	22.0	22.8	23.6	25.8
Vehicular lighting equipment .....	3647	17.9	19.8	18.5	17.5	17.5	17.6	16.8	18.0
Lighting equipment, nec .....	3648	10.4	11.3	10.6	10.0	9.4	10.0	10.6	12.6
Prerecorded records and tapes .....	3652	21.6	21.6	21.0	23.2	21.6	23.4	25.1	26.9
Radio and television communications equipment .....	3663	114.7	107.3	112.9	111.0	106.0	102.9	107.8	122.2

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Durable goods-Continued</b>									
<b>Electronic and other electrical equipment-Continued</b>									
Communications equipment, nec .....	3669	22.5	22.9	24.1	24.4	23.2	24.8	25.0	28.0
Printed circuit boards .....	3672	79.7	102.8	101.7	99.2	92.2	99.8	100.6	114.8
Electronic capacitors .....	3675	24.2	26.3	22.0	20.2	18.4	19.6	19.4	20.9
Electronic resistors .....	3676	13.3	12.6	12.6	11.5	11.0	10.1	10.4	10.6
Electronic coils and transformers .....	3677	23.2	21.6	19.1	17.9	17.1	17.4	16.8	18.9
Electronic connectors .....	3678	14.5	14.9	15.5	15.9	16.2	15.6	15.9	16.9
Primary batteries, dry and wet .....	3692	13.4	11.2	10.7	10.8	12.1	11.3	11.5	11.9
Magnetic and optical recording media, and electrical equipment and supplies, nec .....	3695,9	58.8	58.4	56.3	55.9	49.7	49.2	49.9	47.0
<b>Transportation equipment:</b>									
Motor homes .....	3716	19.2	22.5	17.8	14.2	17.2	18.5	19.6	20.6
Motorcycles, bicycles, and parts .....	375	12.5	13.8	13.2	14.7	15.8	17.1	18.0	20.9
Space propulsion units and parts, and space vehicle equipment, nec .....	3764,9	57.1	58.2	54.0	49.5	42.4	36.4	32.5	29.7
Tanks and tank components .....	3795	15.6	16.2	15.1	14.3	12.8	11.1	9.7	8.7
Transportation equipment, nec .....	3799	14.2	14.6	14.0	12.6	14.9	16.3	19.3	22.2
<b>Instruments and related products:</b>									
Laboratory apparatus and furniture .....	3821	9.2	8.0	8.8	8.8	9.6	10.2	9.9	9.6
Fluid meters and counting devices .....	3824	11.6	11.3	12.1	12.0	12.4	12.4	12.5	11.9
Analytical instruments .....	3826	25.9	29.6	30.5	28.6	28.5	28.0	27.3	27.7
Optical instruments and lenses .....	3827	17.9	19.4	20.2	19.4	18.8	17.4	18.4	18.1
Measuring and controlling devices, nec .....	3829	45.7	46.0	45.3	45.7	42.6	40.4	38.3	40.6
Dental equipment and supplies .....	3843	14.0	12.9	13.0	13.0	12.8	13.8	14.2	13.8
X-ray apparatus and tubes .....	3844	10.3	10.9	10.4	11.4	10.7	10.8	10.8	12.7
Electromedical equipment .....	3845	21.3	27.0	28.4	31.8	37.6	38.4	41.7	41.9
<b>Miscellaneous manufacturing industries:</b>									
Silverware and plated ware .....	3914	7.7	7.4	6.7	6.5	6.3	6.2	6.1	6.5
Jewelers' materials and lapidary work .....	3915	7.8	7.3	7.1	6.6	6.8	7.0	7.0	6.3
Pens and mechanical pencils .....	3951	8.8	9.7	9.2	8.7	8.0	8.7	8.3	9.0
Lead pencils and art goods .....	3952	7.2	7.5	7.3	7.2	7.7	7.8	7.5	7.5
Marking devices, carbon paper, and inked ribbons .....	3953,5	18.1	18.5	17.7	17.3	17.2	16.8	17.1	15.0
Fasteners, buttons, needles, and pins .....	3965	12.9	12.5	12.1	11.8	11.9	11.4	11.3	11.0
Brooms and brushes .....	3991	13.5	13.2	13.5	13.2	13.3	14.1	14.1	14.6
Burial caskets .....	3995	9.3	9.3	9.0	9.0	8.9	8.9	9.2	9.1
Hard surface floor coverings and manufacturing industries, nec .....	3996,9	60.8	60.9	58.9	57.7	54.6	57.7	61.1	62.6
<b>Nondurable goods</b> .....		<b>7,883</b>	<b>7,926</b>	<b>7,914</b>	<b>7,759</b>	<b>7,726</b>	<b>7,782</b>	<b>7,785</b>	<b>7,816</b>
<b>Food and kindred products:</b>									
Creamery butter .....	2021	2.3	2.0	2.1	2.0	1.9	2.1	2.1	2.0
Dry, condensed, and evaporated products .....	2023	15.4	15.8	15.7	17.1	17.3	17.6	17.7	16.6
Ice cream and frozen desserts .....	2024	21.3	21.4	21.1	21.5	21.4	23.0	22.9	23.3
Dehydrated fruits, vegetables, and soups .....	2034	15.3	15.1	17.9	17.1	15.0	16.0	16.4	15.8
Pickles, sauces, and salad dressings .....	2035	20.7	20.7	19.3	20.1	21.1	20.9	21.3	21.4
Frozen specialties, nec .....	2038	41.0	41.6	42.5	44.5	48.8	49.7	50.0	52.6
Cereal breakfast foods .....	2043	19.2	20.2	19.9	18.9	18.4	19.8	19.8	19.5
Rice milling .....	2044	5.4	5.4	5.6	5.5	4.8	4.6	4.9	5.0
Prepared flour mixes and doughs .....	2045	9.5	8.9	9.4	11.0	11.5	13.0	13.9	13.3
Wet corn milling .....	2046	9.1	9.2	9.1	9.6	10.0	9.7	9.5	9.8
Dog and cat food .....	2047	12.6	15.2	16.0	16.3	16.9	18.0	18.3	18.1
Chocolate and cocoa products and chewing gum .....	2066,7	21.2	21.7	20.2	21.4	19.3	19.3	19.0	18.4
Salted and roasted nuts and seeds .....	2068	7.2	6.2	6.9	7.7	9.5	9.0	8.1	8.4
Cottonseed, soybean, and vegetable oil mills .....	2074,5,6	13.0	12.7	13.0	13.2	13.3	12.9	13.1	13.2
Animal and marine fats and oils .....	2077	8.0	8.1	8.2	7.6	7.5	7.6	7.7	7.7
Edible fats and oils, nec .....	2079	11.3	10.3	10.1	9.9	10.2	11.2	10.7	9.7
Wines, brandy, and brandy spirits .....	2084	15.2	15.5	15.1	16.0	16.1	17.0	16.8	17.4
Distilled and blended liquors .....	2085	11.0	9.8	8.5	9.2	8.5	8.7	8.3	8.2
Malt and flavoring extracts and syrups, nec .....	2083,7	17.1	17.6	18.0	17.5	17.5	17.9	19.0	20.2
Canned and cured fish and seafoods .....	2091	11.4	9.9	9.4	9.4	8.5	8.1	8.6	7.5
Fresh or frozen packaged fish .....	2092	38.5	41.3	42.2	43.3	45.4	47.3	45.0	43.9
Roasted coffee .....	2095	12.4	11.7	11.9	11.6	11.6	10.4	10.7	9.7
Potato chips and similar snacks .....	2096	32.1	33.4	34.5	35.3	35.5	35.2	35.0	35.0
Manufactured ice .....	2097	5.1	5.1	5.2	5.5	5.4	5.6	5.7	5.7
Macaroni and spaghetti .....	2098	8.8	7.9	8.6	8.5	8.2	8.9	8.8	8.5
Food preparations, nec .....	2099	53.1	56.5	61.6	62.7	62.1	65.7	68.7	66.1
<b>Tobacco products:</b>									
Cigars .....	212	3.6	3.2	2.8	2.7	2.4	2.4	2.2	2.2
Other tobacco products .....	213,4	10.0	9.9	10.1	9.7	10.5	10.1	9.6	9.2

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Nondurable goods-Continued</b>									
Textile mill products:									
Lace and warp knit fabric mills, and knitting mills, nec .....	2258,9	21.9	19.8	20.4	21.0	21.3	21.1	21.7	21.1
Finishing plants, nec .....	2269	13.9	12.9	13.0	12.4	13.8	14.1	14.6	14.1
Thread mills .....	2284	7.5	6.9	7.3	6.9	6.7	6.7	6.9	7.4
Coated fabrics, not rubberized .....	2295	10.4	9.4	9.7	8.8	8.9	8.9	9.0	9.0
Tire cord and fabrics .....	2296	5.4	6.3	6.3	6.0	6.4	6.7	6.5	6.5
Cordage and twine .....	2298	8.4	7.8	7.3	7.5	7.0	7.0	6.7	7.6
Nonwoven fabrics and other textile goods, nec .....	2297,9	28.5	28.8	28.4	28.1	28.6	28.0	29.7	30.1
Apparel and other textile products:									
Men's and boys' underwear and nightwear .....	2322	26.5	21.9	25.0	24.8	24.4	27.0	25.2	25.5
Men's and boys' neckwear .....	2323	8.1	7.7	6.9	6.3	7.3	6.9	6.9	6.6
Men's and boys' clothing, nec .....	2329	53.4	54.0	54.8	49.4	52.9	52.3	50.4	50.5
Hats, caps, and millinery .....	235	14.6	15.0	16.2	15.6	18.2	19.9	20.6	20.3
Girls' and children's outerwear, nec .....	2369	36.1	35.5	34.0	29.1	29.4	28.9	25.2	25.8
Fur goods .....	237	2.4	2.3	1.7	1.2	.9	.9	.8	.8
Fabric dress and work gloves .....	2381	7.3	6.7	6.9	6.0	5.5	5.3	5.4	5.0
Robes and dressing gowns .....	2384	7.2	7.5	6.0	4.9	4.8	3.9	3.5	3.0
Waterproof outerwear .....	2385	6.2	6.5	5.7	6.6	6.2	6.3	5.1	4.1
Leather and sheep-lined clothing .....	2386	3.4	3.6	3.8	2.7	2.5	2.8	2.9	2.5
Apparel belts .....	2387	10.3	10.5	9.8	8.4	8.1	8.2	7.0	6.3
Apparel and accessories, nec .....	2389	7.5	9.4	12.1	14.3	14.4	16.7	17.1	16.2
Textile bags .....	2393	9.0	8.9	9.2	9.6	10.0	10.1	10.9	11.9
Canvas and related products .....	2394	18.2	17.7	17.7	16.5	16.7	17.6	19.4	19.9
Pleating and stitching .....	2395	14.9	15.1	14.5	14.9	15.8	16.4	16.1	16.8
Other fabricated textile products .....	2397,9	34.7	35.6	36.6	32.4	31.7	32.7	34.7	35.7
Paper and allied products:									
Pulp mills .....	261	14.5	16.4	13.8	14.3	13.9	13.5	12.6	12.5
Setup paperboard boxes .....	2652	9.1	8.7	8.2	8.1	7.3	7.2	7.4	7.5
Fiber cans, drums, and similar products .....	2655	16.3	16.7	16.6	15.9	15.0	15.1	15.4	15.0
Paper, coated and laminated, packaging .....	2671	17.5	19.9	21.4	21.2	21.4	21.4	21.3	22.7
Bags: uncoated paper and multiwall .....	2674	19.2	21.3	21.0	19.1	19.6	18.9	18.8	18.5
Die-cut paper and board .....	2675	17.6	18.1	17.6	16.8	18.0	18.8	19.4	20.1
Sanitary paper products .....	2676	30.6	31.4	31.9	30.8	32.4	33.0	32.9	30.0
Stationery and converted paper products, nec .....	2678,9	48.7	44.8	43.5	42.2	41.1	41.8	41.4	42.1
Printing and publishing:									
Commercial printing, gravure .....	2754	13.9	15.5	17.4	18.1	18.9	19.5	20.7	20.4
Greeting cards .....	277	23.4	23.4	24.0	27.0	26.0	26.0	27.2	26.4
Blankbooks and looseleaf binders .....	2782	46.8	46.9	44.4	43.0	41.3	41.3	40.3	39.3
Bookbinding and related work .....	2789	28.0	27.7	27.5	26.9	27.0	27.2	28.3	29.9
Typesetting .....	2791	35.5	34.4	32.6	29.8	25.2	23.7	23.3	21.2
Platemaking services .....	2796	25.7	29.7	31.2	32.0	33.4	33.2	33.1	34.0
Chemicals and allied products:									
Alkalies and chlorine .....	2812	10.4	10.7	12.3	12.6	12.9	12.8	12.6	10.0
Industrial gases .....	2813	21.2	22.0	23.7	23.6	24.6	24.2	23.4	23.0
Inorganic pigments .....	2816	10.6	10.3	10.4	10.1	10.6	10.9	11.2	11.8
Synthetic rubber .....	2822	15.3	15.3	15.4	15.3	16.0	16.5	16.1	16.0
Cellulosic synthetic fibers .....	2823	13.0	13.8	14.4	13.1	11.4	11.7	17.6	17.8
Medicinals and botanicals .....	2833	18.4	17.7	17.9	18.3	18.7	19.7	19.8	20.6
Diagnostic and other biological products .....	2835,6	20.6	21.1	21.1	22.3	26.5	28.4	29.5	28.8
Gum and wood chemicals .....	2861	5.0	4.9	4.3	4.8	3.5	2.9	2.8	2.7
Nitrogenous fertilizers .....	2873	9.7	10.1	10.1	10.6	10.6	9.2	8.9	8.7
Phosphatic fertilizers .....	2874	10.9	11.5	10.8	10.3	12.1	10.4	9.4	9.9
Fertilizers, mixing only .....	2875	11.0	10.2	10.3	10.4	9.9	9.8	9.9	10.1
Agricultural chemicals, nec .....	2879	22.0	21.3	25.4	25.3	27.0	27.4	26.8	25.6
Adhesives and sealants .....	2891	24.1	23.7	24.5	23.6	23.0	23.5	22.8	24.5
Explosives .....	2892	15.9	15.2	15.0	14.4	12.9	10.1	9.0	8.2
Printing ink .....	2893	13.7	14.7	15.2	16.2	15.7	16.3	16.3	15.9
Other chemical preparations .....	2895,9	46.2	45.5	44.2	44.5	41.9	42.5	44.8	43.5
Petroleum and coal products:									
Asphalt paving mixtures and blocks .....	2951	10.7	10.3	11.0	10.9	11.1	10.9	11.3	11.7
Asphalt felts and coatings .....	2952	14.0	13.7	13.4	12.7	12.6	13.0	13.1	12.9
Miscellaneous petroleum and coal products .....	299	12.2	11.7	12.5	12.3	12.3	12.5	12.6	14.0

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Nondurable goods-Continued</b>									
Rubber and miscellaneous plastics products:									
Gaskets, packing and sealing devices .....	3053	31.5	33.8	34.7	33.9	35.1	36.0	37.6	40.5
Mechanical rubber goods .....	3061	50.1	50.5	46.9	44.2	44.6	45.9	47.9	50.5
Fabricated rubber products, nec .....	3069	54.1	61.1	57.7	55.6	56.6	57.0	58.7	61.2
Unsupported plastics film and sheet .....	3081	52.3	53.2	54.4	55.2	55.9	56.3	57.5	61.6
Unsupported plastics profile shapes .....	3082	28.4	29.4	27.9	25.4	23.7	23.9	25.4	23.6
Laminated plastics plate and sheet .....	3083	19.9	21.4	20.0	20.2	20.2	21.6	21.9	22.6
Plastics pipe .....	3084	14.6	15.4	16.1	14.7	13.9	14.3	15.4	16.7
Plastics bottles .....	3085	28.4	29.8	30.4	29.7	30.2	31.1	31.6	33.1
Plastics foam products .....	3086	50.2	51.3	52.0	48.4	49.5	50.7	53.4	55.1
Custom compound purchased resins .....	3087	27.1	25.0	25.3	23.3	22.3	23.4	24.6	26.1
Plastics plumbing fixtures and plastic products, nec .....	3088,9	375.4	397.2	399.3	385.4	397.6	422.9	445.6	475.0
Leather and leather products:									
Footwear cut stock .....	313	6.6	6.4	6.3	5.4	4.8	4.2	3.4	2.9
House slippers .....	3142	4.6	4.8	4.2	3.7	3.2	2.8	3.1	3.4
Footwear, except rubber, nec .....	3149	12.7	10.9	10.1	9.6	8.1	7.6	7.2	6.8
Leather gloves and mittens .....	315	2.9	2.7	2.5	2.5	2.5	2.6	2.6	2.8
Women's handbags and purses .....	3171	8.4	6.9	6.0	4.9	4.7	5.1	5.1	4.7
Personal leather goods, nec .....	3172	9.0	8.8	9.1	8.4	7.4	7.2	7.0	6.9
Leather goods, nec .....	319	8.9	9.0	10.2	9.6	9.7	9.9	10.7	12.0
<b>Service-producing</b> .....		79,013	81,871	83,970	84,117	84,576	86,181	88,960	92,065
<b>Transportation and public utilities</b> .....									
Transportation:									
Other railroads and switching and terminal services .....	4013	38.4	38.7	38.8	32.2	32.1	31.9	26.9	26.2
Bus charter service, and bus terminal and service facilities .....	414,7	24.8	26.5	27.2	27.4	27.7	28.6	29.3	30.1
Local trucking, without storage .....	4212	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	424.8	450.6	463.4
Trucking, except local .....	4213	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	741.9	777.3	818.3
Local trucking, with storage .....	4214	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	64.3	67.4	70.1
Courier services, except by air .....	4215	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	263.5	288.0	318.7
General warehousing and storage .....	4225	61.5	63.2	64.5	66.5	70.2	72.3	79.5	84.0
Warehousing and storage, nec .....	4221,2,6	47.4	48.4	49.3	49.5	49.2	50.9	53.2	55.5
Trucking terminal facilities .....	423	4.5	3.7	4.0	3.9	3.5	4.1	4.2	4.1
Deep sea and Great Lakes freight transportation .....	441,2,3	32.0	30.8	31.6	32.4	34.2	30.3	29.3	28.2
Water transportation of passengers .....	448	12.1	12.1	14.3	15.0	15.5	15.0	16.5	16.3
Marine cargo handling .....	4491	55.5	58.2	53.8	57.6	56.8	53.3	55.2	59.3
Marinas .....	4493	15.9	16.4	17.2	17.2	16.8	17.1	17.8	18.2
Towing, tugboat, and water transportation services, nec .....	4492,9	35.5	33.2	35.9	36.8	33.5	33.0	35.2	35.5
Air courier services .....	4513	68.4	82.8	91.9	92.8	96.0	104.8	115.8	142.2
Air transportation, nonscheduled .....	452	18.2	23.1	26.0	27.5	28.5	30.2	34.0	40.1
Tour operators .....	4725	20.6	22.1	22.8	21.6	23.6	24.9	27.4	29.5
Passenger transport arrangement, nec .....	4729	16.8	15.5	14.9	13.9	12.1	12.0	11.5	11.7
Rental of railroad cars .....	474	6.1	6.0	5.7	5.6	4.7	4.4	4.7	4.9
Miscellaneous transportation services .....	478	16.5	18.3	20.2	23.3	24.3	27.8	32.1	35.9
Communications and public utilities:									
Radiotelephone communications .....	4812	21.1	27.3	36.5	44.2	50.7	59.6	74.3	95.6
Telegraph and other communications .....	482	17.5	14.1	12.0	10.4	8.7	7.0	7.2	8.5
Communications services, nec .....	489	25.5	23.8	25.3	23.3	17.2	17.7	17.2	17.8
Water supply .....	494	23.9	24.7	25.1	25.8	25.7	26.3	26.6	27.6
Steam and air-conditioning supply, and irrigation systems .....	496,7	3.9	3.8	4.6	4.6	4.2	3.6	3.7	3.7
<b>Wholesale trade</b> .....		5,925	6,164	6,126	6,050	5,993	5,903	6,047	6,316
Tires and tubes .....	5014	29.3	30.0	30.3	28.4	28.4	28.6	29.0	29.7
Motor vehicle parts, used .....	5015	36.2	37.7	39.5	39.8	39.5	40.0	42.0	43.6
Brick, stone, and related materials .....	5032	32.9	36.1	38.9	37.0	37.4	37.6	39.7	44.8
Roofing, siding, and insulation .....	5033	24.7	26.3	27.0	25.8	25.9	27.0	28.2	31.1
Photographic equipment and supplies .....	5043	26.3	31.2	30.8	30.7	28.9	27.5	27.6	26.7
Commercial equipment, nec .....	5046	48.8	50.2	51.5	50.8	49.7	50.4	51.1	54.1
Ophthalmic goods .....	5048	20.8	21.6	20.3	20.1	20.7	19.9	20.3	21.2
Professional equipment, nec .....	5049	39.0	39.7	35.6	34.3	35.8	35.0	34.8	35.8
Warm air heating and air-conditioning .....	5075	50.7	52.5	52.5	51.7	51.6	52.0	54.5	57.2
Refrigeration equipment and supplies .....	5078	14.6	14.9	13.4	13.3	12.9	12.7	13.5	13.3
Service establishment equipment .....	5087	81.8	85.5	81.6	82.0	80.5	76.4	78.5	81.9
Transportation equipment and supplies .....	5088	38.0	38.6	38.6	39.2	38.9	35.3	34.6	36.1
Sporting and recreational goods .....	5091	40.0	43.2	42.5	41.7	43.1	40.7	43.6	46.4

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Wholesale trade-Continued</b>									
Toys and hobby goods and supplies .....	5092	21.7	22.7	23.9	23.1	24.1	25.0	26.2	27.8
Jewelry and precious stones .....	5094	45.7	47.6	48.3	47.9	48.0	48.5	49.1	48.0
Wholesale trade durable goods,nec .....	5099	71.0	76.8	67.7	69.2	69.4	64.2	69.1	76.7
Printing and writing paper .....	5111	24.5	24.8	25.6	25.0	23.9	23.1	22.4	23.2
Industry and personal service paper .....	5113	83.6	86.7	86.8	86.4	84.4	86.0	86.7	85.5
Piece goods and notions .....	5131	52.4	54.4	51.8	51.2	52.5	52.6	51.8	53.9
Men's and boys' clothing .....	5136	39.6	43.3	43.4	42.4	44.4	47.1	48.2	51.2
Women's and children's clothing .....	5137	77.6	83.1	84.9	80.9	85.8	81.8	84.2	90.1
Footwear .....	5139	19.1	19.6	21.2	21.5	22.0	22.7	23.8	25.9
Packaged frozen foods .....	5142	30.0	31.8	33.3	34.5	35.3	35.2	35.5	36.4
Dairy products, except dried or canned .....	5143	47.0	47.6	49.6	46.8	46.3	45.0	45.5	44.9
Poultry and poultry products .....	5144	22.4	21.3	20.4	19.8	18.7	17.5	17.1	17.4
Confectionery .....	5145	45.6	46.5	48.1	48.5	49.8	50.6	52.1	54.4
Fish and seafoods .....	5146	30.6	31.4	31.0	29.3	28.7	27.3	27.9	29.0
Groceries and related products, nec .....	5149	205.9	220.8	225.1	231.3	236.5	231.8	242.6	258.4
Grain and field beans .....	5153	66.8	67.2	65.4	63.2	63.3	59.9	59.8	60.0
Livestock .....	5154	36.5	36.2	35.3	35.4	35.1	34.7	34.8	33.6
Farm-product raw materials, nec .....	5159	21.6	21.0	17.3	16.7	16.2	15.6	15.6	15.5
Plastics materials and basic shapes .....	5162	22.2	23.2	24.9	24.5	25.6	26.5	27.2	29.2
Chemicals and allied products, nec .....	5169	102.0	104.1	110.8	113.0	113.2	114.9	113.9	117.6
Books, periodicals, and newspapers .....	5192	61.7	64.5	69.1	70.7	72.0	73.8	77.8	84.0
Flowers and florists' supplies .....	5193	41.4	44.9	49.4	50.2	51.1	49.7	51.6	56.1
Tobacco and tobacco products .....	5194	42.1	45.4	45.8	45.5	48.3	48.6	45.9	45.2
Paints, varnishes, and supplies .....	5198	30.3	30.3	29.8	29.2	28.0	28.2	28.5	30.0
Wholesale trade nondurable goods, nec .....	5199	116.7	127.1	125.5	127.3	136.6	125.3	134.6	147.9
<b>Retail trade</b>									
Mobile home dealers .....	527	27.6	27.8	25.9	23.7	23.6	25.1	28.6	33.4
Fruit and vegetable markets .....	543	22.4	22.6	21.3	22.0	23.2	22.3	24.0	25.3
Candy, nut, and confectionery stores .....	544	30.5	32.3	30.1	30.9	28.2	29.2	29.0	28.5
Miscellaneous food stores .....	549	40.0	42.8	41.1	43.1	44.9	49.1	56.2	64.8
Used car dealers .....	552	59.8	62.4	61.2	61.3	62.2	63.1	70.4	77.1
Boat dealers .....	555	38.0	40.3	36.7	30.7	29.0	28.1	29.8	32.6
Recreational vehicle dealers .....	556	19.5	21.1	21.2	19.1	19.7	20.5	22.7	24.4
Motorcycle dealers .....	557	25.8	24.9	24.1	23.4	23.4	23.4	25.9	28.7
Women's accessory and specialty stores .....	563	44.8	45.1	50.5	49.8	50.0	51.5	53.6	53.6
Children's and infants' wear stores .....	564	36.7	35.1	33.3	32.9	32.5	33.0	34.6	38.2
Miscellaneous apparel and accessory stores .....	569	62.6	67.2	71.5	77.6	78.0	78.6	82.6	85.6
Floor covering stores .....	5713	77.3	79.6	78.8	75.0	74.5	76.3	78.8	83.1
Drapery, upholstery, and miscellaneous home furnishings .....	5714,9	95.1	99.5	98.9	95.0	95.1	96.7	101.3	110.7
Computer and software stores .....	5734	59.4	68.4	72.8	75.3	78.9	80.3	86.8	97.1
Musical instrument stores .....	5736	25.5	26.2	26.7	26.2	26.3	26.8	27.9	29.4
Hobby, toy, and game shops .....	5945	82.3	87.6	90.9	89.9	93.4	90.3	96.7	102.6
Camera, luggage, and leather goods stores .....	5946,8	42.7	43.6	40.5	38.9	37.8	36.7	36.1	36.7
Direct selling establishments .....	5963	60.3	57.3	53.2	55.2	52.4	51.7	51.7	54.2
<b>Finance, insurance, and real estate</b>									
Central reserve depositories .....	601	6,576	6,615	6,650	6,656	6,534	6,633	6,883	6,770
Foreign banks and branches and agencies .....	608	27.9	29.0	26.7	27.3	27.0	26.0	26.3	25.8
Functions closely related to banking .....	609	25.7	27.1	28.0	29.3	34.2	34.4	32.9	32.8
Federal and federally sponsored credit agencies .....	611	46.9	51.0	57.4	60.3	60.4	62.5	66.6	68.4
Short-term business credit .....	6153	11.0	10.3	11.1	12.1	16.2	17.8	19.9	21.5
Miscellaneous business credit institutions .....	6159	34.2	40.1	43.9	50.7	49.1	49.6	53.4	56.5
Investment advice .....	6282	30.7	33.3	35.0	35.0	32.4	31.5	33.6	34.0
Security and commodity services, nec .....	6289	43.8	45.0	48.3	54.0	55.2	62.7	72.5	74.9
Bank holding companies .....	6712	24.8	24.9	26.6	27.2	25.8	24.0	24.6	24.3
Holding companies, nec .....	6719	26.9	26.5	28.0	28.6	25.2	27.8	27.7	28.8
Trusts .....	673	76.7	78.4	82.2	82.0	74.9	75.8	76.1	73.4
Investment offices and miscellaneous investing .....	672,9	57.2	76.2	63.6	76.1	76.5	68.2	71.0	65.9
Accident and health insurance .....	6321	42.1	39.3	41.1	42.1	42.1	48.1	54.6	56.2
Pension, health, and welfare funds .....	637	52.4	53.7	54.9	55.9	61.5	61.0	61.7	61.1
Surety insurance and insurance carriers, nec .....	635,9	35.9	36.2	37.4	38.9	39.4	39.4	41.8	42.4
Title abstract offices .....	654	13.0	14.6	15.4	16.7	17.8	18.8	19.9	20.5
		30.9	30.2	30.4	28.3	30.4	32.1	37.5	29.7

See footnotes at end of table.



**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Services</b> .....		24,953	26,503	27,697	28,053	28,586	29,647	30,872	32,612
Agricultural services:									
Animal services, except veterinary .....	075	44.3	41.5	41.8	43.5	40.9	42.8	45.2	45.4
Hotels and other lodging places:									
Camps and recreational vehicle parks .....	703	20.0	21.6	23.3	22.0	22.8	23.4	23.7	25.3
Rooming and boarding houses, and membership-basis organization hotels .....	702,4	16.6	17.8	17.8	17.9	17.1	17.3	16.9	17.2
Personal services:									
Power laundries and garment pressing and cleaners agents .....	7211,2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	58.4	52.9	53.2
Linen supply .....	7213	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	63.5	63.2	64.5
Drycleaning plants and carpet and upholstery cleaning, except rugs .....	7216,7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	191.5	197.4	203.3
Industrial launderers .....	7218	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	43.8	48.4	52.4
Coin-operated laundries and laundry and garment services, nec	7215,9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	58.6	54.1	53.4
Barber shops .....	724	18.5	17.9	17.7	14.1	13.9	13.8	12.3	12.1
Shoe repair shops and shoeshine parlors .....	725	7.0	7.0	6.9	6.6	6.7	6.4	5.7	5.5
Tax return preparation services .....	7291	82.8	86.7	89.9	105.7	114.4	118.1	122.9	127.8
Miscellaneous personal services, nec .....	7299	78.8	90.4	100.5	98.2	97.0	100.4	96.4	100.0
Business services:									
Outdoor, radio, television, and other advertising, nec .....	7312,3,9	62.8	62.5	67.9	68.7	69.6	72.1	70.6	74.7
Adjustment and collection services .....	7322	55.0	61.7	66.3	70.5	74.6	77.6	78.5	83.2
Credit reporting services .....	7323	35.4	37.0	39.4	35.8	37.9	37.7	38.0	34.0
Direct mail advertising services .....	7331	87.9	86.2	88.9	88.1	84.7	88.3	90.7	96.4
Commercial photography .....	7335	16.2	17.5	17.8	16.1	15.7	16.1	15.2	15.7
Commercial art and graphic design .....	7336	40.5	45.1	48.3	45.6	45.1	47.3	48.2	54.8
Secretarial and court reporting .....	7338	22.7	26.1	29.3	29.7	30.7	33.0	33.9	36.7
Computer facilities management .....	7376	26.0	25.8	25.6	24.2	25.2	25.8	23.9	25.0
Computer rental and leasing .....	7377	10.3	11.7	10.7	10.8	10.2	9.8	9.3	8.7
Computer related services, nec .....	7379	69.8	78.1	88.5	94.0	101.9	116.1	130.8	159.9
News syndicates .....	7383	10.1	10.5	10.3	10.0	10.2	9.9	10.0	11.0
Business services, nec .....	7389	545.4	602.5	661.7	635.5	647.7	702.3	713.2	816.6
Auto repair, services, and parking:									
Passenger car leasing .....	7515	11.7	11.7	11.3	10.0	9.5	9.3	8.7	8.7
Truck and utility trailer rental .....	7513,9	57.7	62.2	64.4	55.3	52.1	53.5	53.4	57.5
Auto exhaust system repair shops .....	7533	20.3	20.1	22.1	22.4	23.3	23.9	25.0	26.2
Automotive glass replacement shops .....	7536	14.7	17.6	19.7	20.5	20.0	20.6	22.3	25.7
Automotive transmission repair shops .....	7537	22.8	23.5	23.6	23.5	23.1	23.9	25.2	26.2
Automotive repair shops, nec .....	7539	49.5	52.4	54.5	50.8	50.0	50.2	50.2	52.1
Automotive services, nec .....	7549	45.4	53.0	58.2	62.9	66.1	71.0	79.7	88.7
Reupholstery and furniture repair .....	764	23.4	23.8	24.4	20.8	20.5	20.9	20.5	21.6
Watch and miscellaneous repair shops .....	763,9	210.9	229.7	247.3	208.0	212.6	224.7	204.0	225.0
Motion pictures:									
Motion picture distribution and services .....	782	17.7	12.0	13.7	14.7	14.9	15.0	18.8	20.8
Amusement and recreational services:									
Dance studios, schools, and halls .....	791	19.7	21.3	22.1	22.7	24.6	24.9	25.4	26.4
Producers, orchestras, and entertainers .....	792	114.3	123.0	134.8	137.0	135.9	138.5	138.6	144.3
Commercial sports .....	794	74.3	85.0	91.0	91.9	91.8	91.7	94.7	96.2
Public golf courses .....	7992	26.9	29.5	33.8	35.5	39.7	39.4	46.4	54.4
Coin-operated amusement devices .....	7993	24.7	25.7	27.0	25.7	28.7	35.8	41.1	70.3
Amusement parks .....	7996	67.5	74.2	80.2	87.7	89.3	91.2	93.4	94.9
Amusement and recreation, nec .....	7999	157.4	174.6	183.0	186.3	208.4	255.4	306.3	320.5
Health services:									
Offices and clinics of osteopathic physicians .....	803	33.2	34.1	35.2	43.1	45.1	45.4	50.1	49.9
Offices and clinics of podiatrists .....	8043	19.9	21.1	22.4	24.3	25.2	25.8	26.7	27.7
Offices and clinics of health practitioners, nec .....	8049	77.9	93.6	109.6	129.1	148.6	167.4	189.7	211.1
Health and allied services, nec .....	809	196.9	216.1	224.9	234.0	248.7	270.1	280.7	298.0

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Services-Continued</b>									
Specialty outpatient clinics, nec. ....	8093	135.9	147.6	154.3	159.6	167.1	179.5	184.3	194.4
Kidney dialysis centers and health and allied services, nec. ....	8092,9	61.0	68.5	70.6	74.4	81.6	90.6	96.4	103.6
<b>Educational services:</b>									
Libraries .....	823	14.4	13.9	14.2	18.4	19.9	14.3	16.2	21.9
Schools and educational services, nec. ....	829	80.4	88.6	97.6	104.6	108.2	113.8	120.1	130.1
<b>Membership organizations:</b>									
Religious organizations .....	866	964.9	1,011.9	1,118.6	1,211.6	1,149.9	1,195.3	1,238.7	1,296.5
Political and membership organizations, nec. ....	865,9	98.3	101.6	93.6	81.1	80.5	96.8	105.5	101.8
<b>Engineering and management services:</b>									
Testing laboratories .....	8734	56.2	64.4	72.2	74.5	79.6	80.5	82.8	88.7
Facilities support services .....	8744	45.6	54.0	56.6	58.8	66.3	66.3	71.7	73.1
Business consulting, nec. ....	8748	49.6	61.8	71.5	80.0	90.5	101.2	116.7	134.6
<b>Government</b> .....		17,654	18,011	18,568	18,717	18,953	19,145	19,411	19,674
<b>Federal:</b>									
Small arms ammunition and ordnance .....		17.0	16.9	19.4	18.1	18.8	16.9	14.1	12.9
Other manufacturing .....		31.5	24.6	29.4	27.1	25.6	22.3	21.1	20.3
Trade .....		81.0	74.5	79.7	79.5	75.3	70.1	66.1	58.7
Finance .....		25.4	23.8	26.6	31.2	33.6	32.8	33.6	27.9
Other services .....		172.8	162.7	164.5	155.7	158.9	152.8	149.1	144.1
All other Federal Government, except Postal Service .....		1,402.0	1,502.2	1,602.2	1,489.3	1,533.1	1,471.4	1,485.4	1,437.2
<b>State:</b>									
Construction .....		169.3	145.5	116.0	85.7	82.5	84.7	88.8	90.4
Transportation and public utilities .....		47.7	46.4	48.6	49.4	48.4	48.7	49.3	49.4
Services .....		2,477.0	2,545.0	2,595.7	2,662.4	2,680.0	2,717.6	2,764.9	2,830.1
Social services .....		184.8	198.9	203.4	212.2	203.7	212.0	217.2	218.5
Services, except hospitals, education, and social services .....		116.1	119.6	121.5	140.5	135.6	138.7	139.3	141.5
<b>Local:</b>									
Services .....		6,969.2	7,128.6	7,328.3	7,467.7	7,569.6	7,718.1	7,864.5	8,032.2
Social services .....		112.7	109.4	104.7	113.5	121.3	123.2	131.3	138.0
Services, except hospitals, education, and social services .....		203.0	214.4	223.3	230.6	239.5	244.5	261.8	278.7
<b>Nonclassifiable establishments</b> .....		178.7	213.6	162.8	127.3	142.5	133.9	130.6	147.1

<sup>1</sup> Not available.

NOTE: N.e.c. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more specifically

identified. This table includes data for totals and some industry divisions which are published regularly.

**Table 6. Seasonal adjustment factors for employees on nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total<sup>1</sup></b>								
<b>Mining<sup>1</sup></b>								
Metal mining .....	.9883	.9965	.9980	1.0137	1.0229	1.0154	1.0089	.9998
Coal mining .....	.9959	.9955	.9921	.9977	1.0055	1.0045	1.0057	.9992
Oil and gas extraction .....	.9810	.9812	.9822	.9963	1.0124	1.0128	1.0062	1.0139
Nonmetallic minerals, except fuels .....	.9544	1.0004	1.0247	1.0367	1.0416	1.0466	1.0382	1.0290
<b>Construction<sup>1 2</sup></b>								
General building contractors .....	.9432	.9680	.9969	1.0297	1.0466	1.0511	1.0359	1.0315
Heavy construction, except building .....	.8793	.9703	1.0401	1.0729	1.0875	1.0946	1.1067	1.1035
Special trade contractors .....	.9303	.9725	1.0075	1.0384	1.0561	1.0609	1.0489	1.0451
<b>Manufacturing<sup>1</sup></b>								
<b>Durable goods<sup>1</sup></b>								
Lumber and wood products .....	.9825	.9844	.9943	1.0098	1.0134	1.0169	1.0168	1.0098
Furniture and fixtures .....	.9986	.9992	.9995	1.0047	.9831	1.0023	1.0023	1.0053
Stone, clay, and glass products .....	.9758	.9982	1.0107	1.0221	1.0172	1.0220	1.0216	1.0155
Primary metal industries .....	.9991	.9992	1.0004	1.0022	.9926	1.0008	1.0031	1.0001
Blast furnaces and basic steel products .....	.9958	.9961	.9977	1.0007	1.0048	1.0077	1.0035	.9971
Fabricated metal products .....	.9988	.9984	1.0006	1.0051	.9909	.9991	1.0023	1.0028
Industrial machinery and equipment .....	1.0022	1.0011	1.0022	1.0052	.9978	.9962	.9989	.9964
Computer and office equipment .....	.9964	.9963	.9971	1.0044	1.0071	1.0005	1.0001	.9989
Electronic and other electrical equipment .....	.9981	.9976	.9979	1.0028	.9943	.9989	1.0007	1.0015
Electronic components and accessories .....	.9983	.9968	.9973	1.0032	1.0007	1.0000	1.0003	1.0003
Transportation equipment .....	1.0019	1.0030	.9999	1.0018	.9860	.9899	1.0014	1.0028
Motor vehicles and equipment .....	1.0004	1.0033	1.0009	1.0057	.9789	.9808	1.0078	1.0044
Aircraft and parts .....	1.0015	1.0022	1.0009	.9988	.9932	.9935	.9977	1.0020
Instruments and related products .....	.9997	.9986	.9996	1.0014	1.0002	1.0012	1.0015	.9996
Miscellaneous manufacturing .....	.9957	.9957	.9982	1.0050	.9831	1.0040	1.0114	1.0189
<b>Nondurable goods<sup>1</sup></b>								
Food and kindred products .....	.9705	.9683	.9780	1.0001	1.0222	1.0497	1.0461	1.0265
Tobacco products .....	.9645	.9435	.9207	.9224	.9179	1.0328	1.0636	1.0589
Textile mill products .....	.9975	1.0018	1.0041	1.0069	.9911	1.0064	1.0036	1.0014
Apparel and other textile products .....	.9965	.9986	1.0052	1.0109	.9763	1.0060	1.0110	1.0088
Paper and allied products .....	.9933	.9942	.9959	1.0080	1.0067	1.0090	1.0050	1.0000
Printing and publishing .....	.9995	.9990	.9993	.9998	.9992	.9993	.9979	.9987
Chemicals and allied products .....	.9971	.9968	.9958	1.0066	1.0055	1.0056	1.0017	.9990
Petroleum and coal products .....	.9776	.9924	1.0050	1.0185	1.0220	1.0252	1.0153	1.0152
Rubber and misc. plastics products .....	1.0006	.9999	1.0037	1.0060	.9922	.9981	1.0012	1.0022
Leather and leather products .....	.9937	.9930	.9968	1.0076	.9506	1.0187	1.0188	1.0144
<b>Transportation and public utilities<sup>1</sup></b>								
<b>Transportation<sup>1</sup></b>								
Railroad transportation .....	.9894	1.0001	1.0089	1.0031	1.0127	1.0103	1.0076	1.0036
Local and interurban passenger transit .....	1.0316	1.0297	1.0351	.9993	.8586	.8488	1.0308	1.0428
Trucking and warehousing .....	.9748	.9815	.9913	1.0078	1.0105	1.0147	1.0127	1.0153
Water transportation .....	.9669	.9844	1.0396	1.0368	1.0573	1.0382	1.0353	.9995
Transportation by air .....	.9954	.9954	1.0030	1.0036	1.0071	1.0064	.9991	.9979
Pipelines, except natural gas .....	.9821	.9925	.9914	1.0124	1.0165	1.0176	1.0090	1.0022
Transportation services .....	1.0018	1.0013	1.0035	1.0043	1.0027	1.0020	.9983	.9985
<b>Communications and public utilities<sup>1</sup></b>								
Communications .....	.9956	.9966	.9956	1.0023	1.0043	1.0038	1.0025	1.0037
Electric, gas, and sanitary services .....	.9931	.9942	.9984	1.0081	1.0109	1.0108	1.0021	.9995
<b>Wholesale trade<sup>1</sup></b>								
Durable goods .....	.9962	.9984	1.0016	1.0066	1.0063	1.0040	.9991	.9991
Nondurable goods .....	.9893	.9947	1.0016	1.0078	1.0073	1.0075	1.0073	1.0077
<b>Retail trade<sup>1</sup></b>								
Building materials and garden supplies .....	.9652	1.0069	1.0379	1.0464	1.0351	1.0247	1.0058	1.0011
General merchandise stores .....	.9620	.9609	.9627	.9759	.9794	.9843	.9926	1.0145
Department stores .....	.9619	.9601	.9611	.9758	.9796	.9838	.9920	1.0150
Food stores .....	.9866	.9894	.9974	1.0070	1.0062	1.0046	1.0012	1.0003
Automotive dealers and service stations .....	.9912	.9961	1.0034	1.0100	1.0118	1.0112	1.0067	1.0023
New and used car dealers .....	.9967	.9975	1.0000	1.0029	1.0048	1.0048	1.0057	1.0034
Apparel and accessory stores .....	.9717	.9746	.9802	.9912	.9920	1.0008	.9849	.9926
Furniture and home furnishings stores .....	.9928	.9916	.9912	.9904	.9892	.9902	.9906	.9998
Eating and drinking places .....	.9811	.9974	1.0205	1.0313	1.0219	1.0281	1.0195	.9958
Miscellaneous retail establishments .....	.9793	.9802	.9908	.9852	.9827	.9862	.9928	1.0048

See footnotes at end of table.

**Table 6. Seasonal adjustment factors for employees on nonfarm payrolls by industry—Continued**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Finance, insurance, and real estate<sup>1</sup></b>								
Finance <sup>1</sup>								
Depository institutions .....	.9968	.9960	.9979	1.0059	1.0080	1.0087	1.0004	.9961
Commercial banks .....	.9961	.9947	.9969	1.0064	1.0094	1.0090	.9998	.9961
Savings institutions .....	.9984	.9991	.9996	1.0048	1.0064	1.0057	.9979	.9957
Nondepository institutions .....	1.0033	1.0005	1.0005	1.0041	1.0032	1.0004	.9969	.9941
Security and commodity brokers .....	.9976	.9963	.9954	1.0043	1.0096	1.0052	.9995	.9967
Holding and other investment offices .....	1.0039	1.0007	.9998	1.0055	1.0064	1.0015	.9972	.9967
Insurance <sup>1</sup>								
Insurance carriers .....	1.0001	.9989	.9987	1.0031	1.0049	1.0039	.9987	.9977
Insurance agents, brokers, and service .....	.9990	.9987	.9992	1.0035	1.0047	1.0031	.9982	.9979
Real estate .....	.9765	.9871	1.0026	1.0286	1.0361	1.0358	1.0113	.9987
<b>Services<sup>1</sup></b>								
Agricultural services .....	.8953	1.0110	1.0883	1.1155	1.1090	1.0923	1.0565	1.0382
Hotels and other lodging places .....	.9617	.9714	1.0077	1.0558	1.0821	1.0863	1.0306	1.0013
Personal services .....	1.0544	1.0498	.9856	.9766	.9655	.9638	.9735	.9752
Business services .....	.9839	.9878	.9927	1.0014	1.0026	1.0109	1.0149	1.0220
Services to buildings .....	.9927	.9956	1.0000	1.0095	1.0064	1.0102	1.0042	1.0009
Personnel supply services .....	.9674	.9773	.9847	.9955	1.0015	1.0224	1.0362	1.0512
Help supply services .....	.9661	.9758	.9835	.9934	1.0019	1.0232	1.0385	1.0539
Computer and data processing services .....	1.0031	1.0006	.9968	.9999	.9997	1.0008	.9987	.9973
Auto repair, services, and parking .....	.9989	1.0004	1.0027	1.0099	1.0084	1.0061	1.0046	.9990
Miscellaneous repair services .....	.9925	.9970	1.0038	1.0077	1.0124	1.0091	1.0035	1.0061
Motion pictures .....	1.0094	1.0088	1.0027	1.0091	1.0119	1.0313	.9793	.9764
Amusement and recreation services .....	.9189	.9874	1.0467	1.1550	1.1725	1.1651	1.0555	.9663
Health services .....	.9985	.9979	.9976	1.0022	1.0034	1.0030	.9992	1.0002
Offices and clinics of medical doctors .....	.9978	.9970	.9968	1.0023	1.0036	1.0057	1.0000	1.0004
Nursing and personal care facilities .....	.9979	.9965	.9959	1.0009	1.0031	1.0043	1.0014	1.0013
Hospitals .....	.9989	.9982	.9980	1.0025	1.0042	1.0023	.9987	.9994
Home health care services .....	.9949	.9936	1.0009	1.0037	1.0019	.9993	1.0048	1.0043
Legal services .....	.9964	.9953	.9941	1.0161	1.0148	1.0058	.9928	.9951
Educational services .....	1.0630	1.0625	1.0190	.9105	.8704	.8578	.9801	1.0656
Social services .....	1.0053	1.0052	1.0088	.9975	.9908	.9841	.9924	1.0029
Child day care services .....	1.0255	1.0288	1.0332	.9748	.9065	.9067	1.0111	1.0232
Residential care .....	.9975	.9958	1.0001	1.0088	1.0092	1.0085	.9951	.9959
Museums and botanical and zoological gardens .....	.9345	.9778	1.0251	1.0814	1.0914	1.0788	1.0311	1.0134
Membership organizations .....	.9935	.9943	.9984	1.0158	1.0302	1.0163	.9921	.9958
Engineering and management services .....	1.0037	1.0048	.9973	1.0047	1.0084	1.0050	.9955	.9967
Engineering and architectural services .....	.9885	.9923	1.0004	1.0108	1.0167	1.0170	1.0045	1.0029
Management and public relations .....	.9963	.9997	1.0006	1.0090	1.0109	1.0080	1.0041	1.0019
Services, nec .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Government<sup>1</sup></b>								
Federal <sup>1</sup>								
Postal Service .....	.9963	.9950	.9938	1.0014	.9946	.9949	.9909	.9966
Federal, except Postal Service .....	.9965	.9972	1.0013	1.0131	1.0151	1.0119	1.0038	.9944
State <sup>1</sup>								
Education .....	1.0754	1.0714	1.0299	.9078	.8457	.8488	.9618	1.0680
Other State government .....	.9950	.9957	.9991	1.0134	1.0200	1.0104	1.0008	.9955
Local <sup>1</sup>								
Education .....	1.0575	1.0527	1.0587	1.0042	.8285	.8153	.9740	1.0373
Other local government .....	.9827	.9845	.9918	1.0282	1.0561	1.0375	.9981	.9866

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

<sup>2</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

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

precision.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 7. Seasonal adjustment factors for women employees on nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total<sup>1</sup></b>								
<b>Mining</b> .....	.9877	.9882	.9839	1.0113	1.0196	1.0139	1.0084	1.0058
<b>Construction<sup>2</sup></b> .....	.9774	.9880	.9980	1.0146	1.0216	1.0211	1.0181	1.0148
<b>Manufacturing<sup>1</sup></b>								
<b>Durable goods<sup>1</sup></b>								
Lumber and wood products .....	.9833	.9902	1.0004	1.0085	1.0052	1.0108	1.0104	1.0086
Furniture and fixtures .....	.9998	1.0021	1.0031	1.0056	.9721	.9938	.9976	1.0034
Stone, clay, and glass products .....	.9871	.9895	1.0014	1.0140	.9989	1.0107	1.0189	1.0118
Primary metal industries .....	.9958	.9981	1.0053	1.0023	.9988	1.0033	1.0022	.9984
Fabricated metal products .....	.9989	.9990	1.0000	1.0065	.9874	.9982	1.0035	1.0021
Industrial machinery and equipment .....	1.0013	1.0018	1.0025	1.0058	.9965	.9965	.9960	.9969
Electronic and other electrical equipment .....	.9978	.9972	1.0002	1.0010	.9916	.9988	1.0001	1.0023
Transportation equipment .....	.9967	.9995	1.0028	1.0020	.9914	.9926	1.0023	1.0009
Instruments and related products .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Miscellaneous manufacturing .....	.9930	.9954	.9980	1.0052	.9766	1.0054	1.0168	1.0265
<b>Nondurable goods<sup>1</sup></b>								
Food and kindred products .....	.9553	.9542	.9608	.9913	1.0279	1.0763	1.0732	1.0413
Tobacco products .....	.9623	.9194	.8575	.8712	.8723	1.0841	1.1103	1.0931
Textile mill products .....	.9957	1.0005	1.0051	1.0064	.9919	1.0095	1.0072	1.0046
Apparel and other textile products .....	.9947	.9983	1.0057	1.0109	.9713	1.0089	1.0123	1.0098
Paper and allied products .....	.9883	.9922	.9929	1.0104	1.0133	1.0169	1.0080	1.0027
Printing and publishing .....	1.0011	1.0006	.9998	1.0004	.9986	.9965	.9954	.9968
Chemicals and allied products .....	.9945	.9933	.9957	1.0091	1.0058	1.0068	1.0033	1.0001
Petroleum and coal products .....	.9787	.9844	.9826	1.0146	1.0240	1.0299	1.0093	1.0095
Rubber and misc. plastics products .....	1.0006	1.0001	1.0003	1.0102	.9832	.9979	.9990	1.0050
Leather and leather products <sup>4</sup> .....	.9905	.9917	.9990	1.0052	.9696	1.0159	1.0205	1.0183
<b>Transportation and public utilities</b> .....	.9982	.9977	1.0024	1.0033	.9888	.9878	1.0052	1.0065
<b>Wholesale trade</b> .....	.9941	.9950	1.0009	1.0025	1.0009	.9999	1.0026	1.0060
<b>Retail trade</b> .....	.9738	.9830	.9975	1.0061	1.0010	1.0057	1.0040	1.0034
<b>Finance, insurance, and real estate</b> .....	.9972	.9974	.9986	1.0065	1.0087	1.0083	.9993	.9966
<b>Services</b> .....	.9989	1.0019	1.0019	1.0034	1.0010	1.0004	1.0018	1.0060
<b>Government<sup>1</sup></b>								
Federal .....	.9953	.9957	.9985	1.0098	1.0094	1.0082	1.0032	.9950
State .....	1.0295	1.0291	1.0160	.9693	.9428	.9378	.9823	1.0241
Local .....	1.0343	1.0320	1.0381	1.0125	.8929	.8784	.9800	1.0219

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

<sup>2</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

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

<sup>4</sup> No ARIMA models were identified to extend the unadjusted

series for one year. Factors shown are projected using X-12 without the ARIMA option and without an adjustment to control for the effects of a 4- vs. 5-week interval between surveys.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 8. Seasonal adjustment factors for production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total private<sup>2</sup></b>								
<b>Mining</b> .....	.9747	.9849	.9907	1.0065	1.0205	1.0209	1.0182	1.0181
<b>Construction<sup>3</sup></b> .....	.9069	.9633	1.0133	1.0509	1.0722	1.0793	1.0697	1.0661
<b>Manufacturing<sup>2</sup></b>								
<b>Durable goods<sup>2</sup></b>								
Lumber and wood products .....	.9789	.9822	.9924	1.0123	1.0139	1.0201	1.0209	1.0119
Furniture and fixtures .....	1.0009	.9990	.9951	1.0046	.9771	1.0011	1.0041	1.0052
Stone, clay, and glass products .....	.9709	.9967	1.0146	1.0262	1.0206	1.0261	1.0263	1.0194
Primary metal industries .....	1.0004	1.0008	1.0013	1.0020	.9885	.9977	1.0021	.9997
Blast furnaces and basic steel products .....	.9954	.9952	.9948	1.0016	1.0046	1.0052	1.0040	.9968
Fabricated metal products .....	.9989	.9994	1.0024	1.0049	.9862	.9963	1.0038	1.0036
Industrial machinery and equipment .....	1.0054	1.0030	1.0031	1.0056	.9936	.9904	.9999	.9957
Electronic and other electrical equipment .....	.9999	.9983	.9980	1.0036	.9888	.9954	.9994	1.0023
Transportation equipment .....	1.0040	1.0073	1.0120	1.0037	.9797	.9866	1.0003	1.0003
Motor vehicles and equipment .....	1.0055	1.0096	1.0014	1.0035	.9734	.9812	.9949	1.0021
Instruments and related products .....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Miscellaneous manufacturing .....	.9948	.9970	.9975	1.0037	.9800	1.0065	1.0170	1.0239
<b>Nondurable goods<sup>2</sup></b>								
Food and kindred products .....	.9645	.9607	.9701	.9969	1.0248	1.0643	1.0598	1.0334
Tobacco products .....	.9574	.9290	.8889	.8937	.8882	1.0474	1.0876	1.0798
Textile mill products .....	.9972	1.0019	1.0039	1.0083	.9889	1.0060	1.0052	1.0014
Apparel and other textile products .....	.9987	1.0001	1.0061	1.0113	.9688	1.0065	1.0110	1.0109
Paper and allied products .....	.9919	.9932	.9971	1.0105	1.0076	1.0110	1.0067	1.0002
Printing and publishing .....	1.0011	1.0012	.9994	.9989	.9967	.9993	.9973	.9970
Chemicals and allied products .....	.9974	.9972	.9950	1.0066	1.0031	1.0067	1.0025	.9996
Petroleum and coal products .....	.9685	.9922	1.0106	1.0269	1.0299	1.0344	1.0215	1.0216
Rubber and misc. plastics products .....	1.0012	1.0004	1.0017	1.0083	.9872	.9987	1.0001	1.0036
Leather and leather products .....	.9940	.9948	1.0000	1.0090	.9481	1.0187	1.0169	1.0156
<b>Transportation and public utilities</b> .....	.9897	.9925	1.0017	1.0072	.9989	.9991	1.0088	1.0102
<b>Wholesale trade</b> .....	.9918	.9959	1.0009	1.0080	1.0087	1.0073	1.0035	1.0037
<b>Retail trade</b> .....	.9766	.9861	1.0012	1.0098	1.0060	1.0089	1.0048	1.0010
<b>Finance, insurance, and real estate</b> .....	.9922	.9944	.9991	1.0120	1.0164	1.0151	1.0016	.9964
<b>Services</b> .....	.9942	1.0008	1.0035	1.0091	1.0097	1.0076	1.0037	1.0062

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

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

<sup>3</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

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

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 9. Seasonal adjustment factors for average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total private<sup>2</sup></b>								
<b>Goods-producing<sup>2</sup></b>								
<b>Mining</b> .....	0.9856	.9987	1.0006	1.0033	.9973	1.0104	1.0169	1.0116
<b>Construction<sup>3</sup></b> .....	.9836	.9927	1.0195	1.0228	1.0286	1.0274	1.0324	1.0252
<b>Manufacturing<sup>2</sup></b>								
<b>Durable goods<sup>2</sup></b>								
Lumber and wood products .....	.9940	.9992	1.0041	1.0085	.9910	1.0111	1.0138	1.0140
Furniture and fixtures .....	.9894	.9868	.9839	.9995	.9873	1.0118	1.0215	1.0165
Stone, clay, and glass products .....	.9879	.9960	1.0086	1.0133	1.0063	1.0184	1.0234	1.0166
Primary metal industries .....	.9988	.9927	.9956	1.0034	.9904	.9917	1.0057	.9984
Blast furnaces and basic steel products <sup>4</sup> .....	.9960	.9981	.9970	1.0005	1.0019	.9953	1.0085	.9947
Fabricated metal products .....	.9977	.9872	.9939	1.0015	.9802	1.0032	1.0149	1.0094
Industrial machinery and equipment .....	1.0072	.9912	.9959	1.0004	.9879	.9927	1.0064	1.0007
Electronic and other electrical equipment .....	.9989	.9909	.9947	.9994	.9827	.9965	1.0106	1.0063
Transportation equipment .....	1.0025	.9878	.9991	1.0014	.9715	.9918	1.0092	1.0093
Motor vehicles and equipment .....	1.0053	.9858	.9868	1.0005	.9538	.9797	1.0092	1.0104
Instruments and related products .....	1.0046	.9968	.9982	1.0019	.9899	.9963	1.0036	.9995
Miscellaneous manufacturing .....	1.0021	.9942	.9920	.9982	.9800	1.0032	1.0116	1.0136
<b>Nondurable goods<sup>2</sup></b>								
Food and kindred products .....	.9840	.9810	.9897	.9962	1.0041	1.0211	1.0313	1.0119
Tobacco products .....	.9755	.9762	1.0140	1.0440	.9837	1.0077	1.0316	1.0407
Textile mill products .....	.9980	.9952	.9988	1.0105	.9847	1.0102	1.0123	1.0056
Apparel and other textile products .....	1.0022	.9961	1.0034	1.0075	.9922	1.0067	1.0040	1.0055
Paper and allied products <sup>5</sup> .....	.9925	.9881	.9907	.9983	.9962	1.0012	1.0097	1.0064
Printing and publishing .....	1.0011	.9938	.9931	.9938	.9934	1.0059	1.0113	1.0079
Chemicals and allied products <sup>4</sup> .....	1.0003	.9974	.9951	.9990	.9925	.9907	1.0055	1.0003
Petroleum and coal products .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Rubber and misc. plastics products .....	.9990	.9903	1.0050	1.0060	.9818	1.0035	1.0106	1.0043
Leather and leather products .....	.9974	.9977	.9982	1.0145	.9851	1.0031	1.0067	1.0118
<b>Service-producing<sup>2</sup></b>								
<b>Transportation and public utilities<sup>7</sup></b> .....	.9901	.9944	1.0027	1.0030	1.0107	1.0106	1.0037	1.0045
<b>Wholesale trade<sup>3</sup></b> .....	.9950	.9988	1.0038	1.0029	1.0029	1.0019	1.0014	1.0049
<b>Retail trade<sup>4</sup></b> .....	.9851	.9915	.9975	1.0125	1.0294	1.0245	1.0046	.9993
<b>Finance, insurance, and real estate</b> .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
<b>Services</b> .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )

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

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

<sup>3</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

<sup>4</sup> No moving-holiday adjustment was done for April or September because there was no evidence of significant effects associated with the relative timing of Easter or Labor Day, respectively, and the reference period of the payroll survey.

<sup>5</sup> No moving-holiday adjustment was done for September because there was no evidence of significant effects associated

with the relative timing of Labor Day and the reference period of the payroll survey.

<sup>6</sup> Seasonal adjustment factors are not computed because the seasonal component, which is small relative to the trend-cycle and irregular components, cannot be separated with sufficient precision.

<sup>7</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-12 without the ARIMA option and without an adjustment to control for the effects of a 4- vs. 5-week interval between surveys.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 10. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Manufacturing<sup>1</sup></b>								
<b>Durable goods</b> .....	.9810	.9114	.9249	.9891	.9377	1.0333	1.0971	1.0517
<b>Nondurable goods</b> .....	.9469	.9140	.9441	.9862	1.0070	1.0872	1.1380	1.0685

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

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this

publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 11. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total private<sup>2</sup></b>								
<b>Goods-producing<sup>2</sup></b>								
<b>Mining</b> .....	1.0031	1.0071	.9985	.9989	.9969	.9917	1.0032	.9927
<b>Construction<sup>3</sup></b> .....	.9928	.9942	.9977	.9945	1.0013	1.0036	1.0112	1.0109
<b>Manufacturing</b> .....	.9991	.9993	.9995	.9981	.9997	.9933	.9998	.9972
<b>Excluding overtime</b> .....	1.0022	1.0019	1.0021	.9984	1.0012	.9914	.9965	.9957
<b>Service-producing<sup>2</sup></b>								
<b>Transportation and public utilities</b> .....	.9973	1.0000	.9951	.9941	.9992	.9962	1.0036	1.0044
<b>Wholesale trade<sup>4</sup></b> .....	.9977	1.0041	1.0007	.9951	.9992	.9953	.9999	1.0002
<b>Retail trade</b> .....	1.0021	1.0029	.9993	.9963	.9944	.9929	1.0032	1.0017
<b>Finance, insurance, and real estate</b> .....	1.0046	1.0091	.9992	.9925	.9940	.9901	.9958	1.0010
<b>Services</b> .....	1.0047	1.0058	.9991	.9900	.9865	.9845	1.0002	1.0020

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

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

<sup>3</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

<sup>4</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-12 without the ARIMA option and without an adjustment to control for the effects of a 4- vs. 5-week interval between surveys.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.



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

(Numbers in thousands)

Category	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Labor force status</b>													
Civilian noninstitutional population .....	198,286	198,453	198,615	198,801	199,005	199,192	199,355	199,508	199,634	199,773	199,921	200,101	200,278
Civilian labor force .....	132,058	131,962	132,342	132,298	132,501	132,473	132,471	132,352	132,903	133,018	133,655	133,361	133,910
Percent of population .....	66.6	66.5	66.6	66.5	66.6	66.5	66.4	66.3	66.6	66.6	66.9	66.6	66.9
Employed .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
Percent of population .....	62.8	62.8	62.9	62.8	62.8	62.9	62.7	62.6	62.7	62.9	63.1	63.0	63.1
Unemployed .....	7,460	7,396	7,510	7,439	7,465	7,229	7,409	7,371	7,677	7,355	7,504	7,266	7,448
Not in labor force .....	66,228	66,491	66,273	66,503	66,504	66,719	66,884	67,156	66,730	66,754	66,266	66,741	66,368
<b>Unemployment rates</b>													
All workers .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6
Men, 20 years and over .....	5.0	4.8	4.8	4.8	4.8	4.5	4.9	4.8	4.9	4.9	5.0	4.8	4.8
Women, 20 years and over .....	4.9	5.0	5.0	4.9	4.9	5.0	4.8	4.7	5.1	4.8	4.8	4.7	5.0
Both sexes, 16 to 19 years .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4
White .....	5.0	4.9	4.9	4.8	4.9	4.8	5.0	4.9	5.0	4.9	4.8	4.7	4.9
Black .....	10.0	10.5	10.8	11.0	11.1	10.0	9.6	10.2	10.6	10.3	11.1	10.5	10.2
Hispanic origin .....	9.5	9.1	9.0	9.6	9.1	9.3	9.3	9.3	9.2	9.7	10.0	9.7	9.2

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

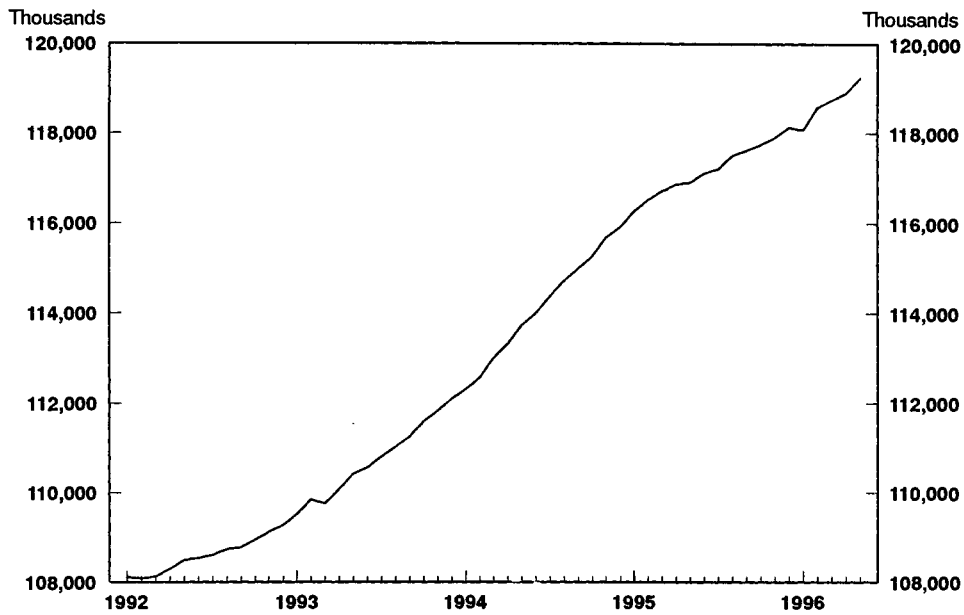
(Numbers in thousands)

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Employment</b>													
Total .....	116,907	117,100	117,201	117,499	117,623	117,749	117,899	118,136	118,070	118,579	118,737	118,900	119,248
Total private .....	97,618	97,799	97,881	98,130	98,298	98,410	98,561	98,789	98,734	99,214	99,343	99,501	99,806
Goods-producing industries .....	24,217	24,212	24,171	24,179	24,176	24,151	24,133	24,160	24,112	24,254	24,196	24,203	24,238
Mining .....	582	580	578	576	574	573	569	570	569	573	574	574	575
Construction .....	5,116	5,139	5,148	5,164	5,187	5,200	5,211	5,223	5,234	5,349	5,340	5,351	5,379
Manufacturing .....	18,519	18,493	18,447	18,439	18,415	18,378	18,353	18,367	18,309	18,332	18,282	18,278	18,284
Service-producing industries .....	92,690	92,888	93,030	93,320	93,447	93,598	93,766	93,976	93,958	94,325	94,541	94,697	95,010
Transportation and public utilities .....	6,139	6,152	6,160	6,167	6,194	6,212	6,233	6,249	6,254	6,270	6,289	6,288	6,305
Wholesale trade .....	6,389	6,408	6,427	6,437	6,451	6,465	6,478	6,498	6,512	6,529	6,548	6,552	6,558
Retail trade .....	21,119	21,179	21,196	21,225	21,258	21,263	21,300	21,334	21,268	21,340	21,343	21,418	21,464
Finance, insurance, and real estate .....	6,807	6,810	6,821	6,833	6,842	6,859	6,871	6,887	6,894	6,919	6,932	6,940	6,960
Services .....	32,947	33,038	33,106	33,269	33,377	33,460	33,546	33,661	33,694	33,902	34,035	34,100	34,281
Government .....	19,289	19,301	19,320	19,369	19,325	19,339	19,338	19,347	19,336	19,365	19,394	19,399	19,442
<b>Over-the-month change</b>													
Total .....	46	193	101	298	124	126	150	237	-66	509	158	163	348
Total private .....	46	181	82	249	168	112	151	228	-55	480	129	158	305
Goods-producing industries .....	-59	-5	-41	8	-3	-25	-18	27	-48	142	-58	7	35
Mining .....	-3	-2	-2	-2	-2	-1	-4	1	-1	4	1	0	1
Construction .....	-20	23	7	18	23	13	11	12	11	115	-9	11	28
Manufacturing .....	-36	-26	-46	-8	-24	-37	-25	14	-58	23	-50	-4	6
Service-producing industries .....	105	198	142	290	127	151	168	210	-18	367	216	156	313
Transportation and public utilities .....	5	13	8	27	7	18	21	16	5	16	19	-1	17
Wholesale trade .....	15	19	19	10	14	14	13	20	14	17	19	4	6
Retail trade .....	4	60	17	29	33	5	37	34	-66	72	3	75	46
Finance, insurance, and real estate .....	1	3	11	12	9	17	12	16	7	25	13	8	20
Services .....	80	91	68	163	108	83	86	115	33	208	133	65	181
Government .....	0	12	19	49	-44	14	-1	9	-11	29	29	5	43
<b>Hours of work<sup>1</sup></b>													
Total private .....	34.2	34.4	34.5	34.4	34.4	34.5	34.4	34.3	33.8	34.5	34.5	34.3	34.3
Manufacturing .....	41.5	41.5	41.3	41.5	41.5	41.4	41.5	41.2	40.0	41.4	41.4	41.5	41.7
Overtime .....	4.3	4.2	4.2	4.3	4.4	4.3	4.3	4.2	4.1	4.3	4.3	4.6	4.6
<b>Indexes of aggregate weekly hours (1982 = 100)<sup>1</sup></b>													
Total private .....	131.9	133.2	133.5	133.4	134.0	134.3	134.3	134.3	131.7	135.5	135.5	135.2	135.4
Manufacturing .....	107.3	107.1	106.2	106.9	106.6	106.2	106.1	105.6	102.0	105.9	105.2	105.7	106.2
<b>Earnings<sup>1</sup></b>													
Average hourly earnings, total private:													
Current dollars .....	\$11.36	\$11.43	\$11.47	\$11.46	\$11.52	\$11.55	\$11.59	\$11.61	\$11.62	\$11.65	\$11.68	\$11.72	\$11.75
Constant (1982) dollars <sup>2</sup> .....	7.36	7.39	7.41	7.39	7.42	7.42	7.44	7.44	7.41	7.42	7.40	7.40	N.A.
Average weekly earnings, total private .....	388.51	393.19	395.72	394.22	396.29	398.48	398.70	398.22	392.76	401.93	402.96	402.00	\$403.03

<sup>1</sup> Data relate to private production or nonsupervisory workers.  
<sup>2</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.  
 N.A. = not available.

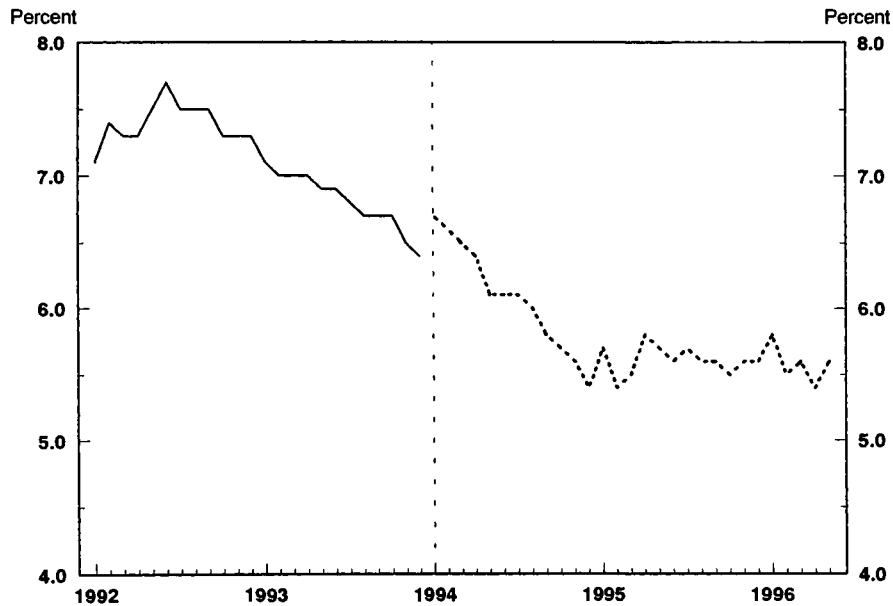
<sup>P</sup> = preliminary.  
 NOTE: Data have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors.

**Chart 1. Nonfarm payroll employment, seasonally adjusted, 1992-96**



NOTE: Data have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors.

**Chart 2. Unemployment rate, seasonally adjusted, 1992-96**



NOTE: Beginning in 1994, household data reflect the introduction of a major redesign of the Current Population Survey questionnaire and collection methodology and are not directly comparable with data for prior years. Moreover, beginning in 1990, these data reflect 1990 census-based population controls, adjusted for the estimated undercount.

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the civilian noninstitutional population 16 years and over, 1962 to date**

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Number	Percent of population	Employed				Unemployed		
				Number	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>Annual averages</b>										
1962 <sup>1</sup> .....	120,153	70,614	58.8	66,702	55.5	4,944	61,759	3,911	5.5	49,539
1963 .....	122,416	71,833	58.7	67,762	55.4	4,687	63,076	4,070	5.7	50,583
1964 .....	124,485	73,091	58.7	69,305	55.7	4,523	64,782	3,786	5.2	51,394
1965 .....	126,513	74,455	58.9	71,088	56.2	4,361	66,726	3,366	4.5	52,058
1966 .....	128,058	75,770	59.2	72,895	56.9	3,979	68,915	2,875	3.8	52,288
1967 .....	129,874	77,347	59.6	74,372	57.3	3,844	70,527	2,975	3.8	52,527
1968 .....	132,028	78,737	59.6	75,920	57.5	3,817	72,103	2,817	3.6	53,291
1969 .....	134,335	80,734	60.1	77,902	58.0	3,606	74,296	2,832	3.5	53,602
1970 .....	137,085	82,771	60.4	78,678	57.4	3,463	75,215	4,093	4.9	54,315
1971 .....	140,216	84,382	60.2	79,367	56.6	3,394	75,972	5,016	5.9	55,834
1972 <sup>1</sup> .....	144,126	87,034	60.4	82,153	57.0	3,484	78,669	4,882	5.6	57,091
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	57.8	3,470	81,594	4,365	4.9	57,667
1974 .....	150,120	91,949	61.3	86,794	57.8	3,515	83,279	5,156	5.6	58,171
1975 .....	153,153	93,775	61.2	85,846	56.1	3,408	82,438	7,929	8.5	59,377
1976 .....	156,150	96,158	61.6	88,752	56.8	3,331	85,421	7,406	7.7	59,991
1977 .....	159,033	99,009	62.3	92,017	57.9	3,283	88,734	6,991	7.1	60,025
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	59.3	3,387	92,661	6,202	6.1	59,659
1979 .....	164,863	104,962	63.7	98,824	59.9	3,347	95,477	6,137	5.8	59,900
1980 .....	167,745	106,940	63.8	99,303	59.2	3,364	95,938	7,637	7.1	60,806
1981 .....	170,130	108,670	63.9	100,397	59.0	3,368	97,030	8,273	7.6	61,460
1982 .....	172,271	110,204	64.0	99,526	57.8	3,401	96,125	10,678	9.7	62,067
1983 .....	174,215	111,550	64.0	100,834	57.9	3,383	97,450	10,717	9.6	62,665
1984 .....	176,383	113,544	64.4	105,005	59.5	3,321	101,685	8,539	7.5	62,839
1985 .....	178,206	115,461	64.8	107,150	60.1	3,179	103,971	8,312	7.2	62,744
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	60.7	3,163	106,434	8,237	7.0	62,752
1987 .....	182,753	119,865	65.6	112,440	61.5	3,208	109,232	7,425	6.2	62,888
1988 .....	184,613	121,669	65.9	114,968	62.3	3,169	111,800	6,701	5.5	62,944
1989 .....	186,393	123,869	66.5	117,342	63.0	3,199	114,142	6,528	5.3	62,523
1990 <sup>2</sup> .....	189,164	125,840	66.5	118,793	62.8	3,223	115,570	7,047	5.6	63,324
1991 .....	190,925	126,346	66.2	117,718	61.7	3,269	114,449	8,628	6.8	64,578
1992 .....	192,805	128,105	66.4	118,492	61.5	3,247	115,245	9,613	7.5	64,700
1993 .....	194,838	129,200	66.3	120,259	61.7	3,115	117,144	8,940	6.9	65,638
1994 <sup>2</sup> .....	196,814	131,056	66.6	123,060	62.5	3,409	119,651	7,996	6.1	65,758
1995 .....	198,584	132,304	66.6	124,900	62.9	3,440	121,460	7,404	5.6	66,280
<b>Monthly data, seasonally adjusted<sup>3</sup></b>										
<b>1995:</b>										
May .....	198,286	132,058	66.6	124,598	62.8	3,360	121,238	7,460	5.6	66,228
June .....	198,453	131,962	66.5	124,566	62.8	3,435	121,131	7,396	5.6	66,491
July .....	198,615	132,342	66.6	124,832	62.9	3,409	121,423	7,510	5.7	66,273
August .....	198,801	132,298	66.5	124,859	62.8	3,376	121,483	7,439	5.6	66,503
September .....	199,005	132,501	66.6	125,036	62.8	3,335	121,701	7,465	5.6	66,504
October .....	199,192	132,473	66.5	125,244	62.9	3,434	121,810	7,229	5.5	66,719
November .....	199,355	132,471	66.4	125,062	62.7	3,323	121,739	7,409	5.6	66,884
December .....	199,508	132,352	66.3	124,981	62.6	3,325	121,656	7,371	5.6	67,156
<b>1996:</b>										
January .....	199,634	132,903	66.6	125,226	62.7	3,529	121,698	7,677	5.8	66,730
February .....	199,773	133,018	66.6	125,663	62.9	3,519	122,143	7,355	5.5	66,754
March .....	199,921	133,655	66.9	126,151	63.1	3,487	122,664	7,504	5.6	66,266
April .....	200,101	133,361	66.6	126,095	63.0	3,368	122,726	7,266	5.4	66,741
May .....	200,278	133,910	66.9	126,462	63.1	3,491	122,971	7,448	5.6	66,368

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

<sup>2</sup> Data, beginning in 1994, are not strictly comparable with data for 1993 and prior years because of the introduction of a major redesign of the Current Population Survey (household survey) questionnaire and collection methodology. For additional information, see "Revisions in the Current

Population Survey Effective January 1994" in the February 1994 issue of this publication. Beginning in 1990, data incorporate 1990 census-based population controls, adjusted for the estimated undercount. For additional information, see "Revisions in Household Survey Data Effective February 1996" in the March 1996 issue of this publication.

<sup>3</sup> The population figures are not adjusted for seasonal variation.

**A-2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1985 to date**

(Numbers in thousands)

Sex, year, and month	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Number	Percent of population	Employed				Unemployed		
				Number	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>Annual averages</b>										
<b>MEN</b>										
1985 .....	84,469	64,411	76.3	59,891	70.9	2,535	57,356	4,521	7.0	20,058
1986 <sup>1</sup> .....	85,798	65,422	76.3	60,892	71.0	2,511	58,381	4,530	6.9	20,376
1987 .....	86,899	66,207	76.2	62,107	71.5	2,543	59,564	4,101	6.2	20,692
1988 .....	87,857	66,927	76.2	63,273	72.0	2,493	60,780	3,655	5.5	20,930
1989 .....	88,762	67,840	76.4	64,315	72.5	2,513	61,802	3,525	5.2	20,923
1990 <sup>2</sup> .....	90,377	69,011	76.4	65,104	72.0	2,546	62,559	3,906	5.7	21,367
1991 .....	91,278	69,168	75.8	64,223	70.4	2,589	61,634	4,946	7.2	22,110
1992 .....	92,270	69,964	75.8	64,440	69.8	2,575	61,866	5,523	7.9	22,306
1993 .....	93,332	70,404	75.4	65,349	70.0	2,478	62,871	5,055	7.2	22,927
1994 <sup>2</sup> .....	94,355	70,817	75.1	66,450	70.4	2,554	63,896	4,367	6.2	23,538
1995 .....	95,178	71,360	75.0	67,377	70.8	2,559	64,818	3,983	5.6	23,818
<b>Monthly data, seasonally adjusted<sup>3</sup></b>										
<b>1995:</b>										
May .....	95,024	71,307	75.0	67,241	70.8	2,477	64,764	4,066	5.7	23,717
June .....	95,110	71,341	75.0	67,366	70.8	2,567	64,799	3,975	5.6	23,769
July .....	95,191	71,329	74.9	67,342	70.7	2,554	64,788	3,987	5.6	23,862
August .....	95,287	71,259	74.8	67,248	70.6	2,516	64,732	4,011	5.6	24,028
September .....	95,397	71,348	74.8	67,328	70.6	2,506	64,822	4,020	5.6	24,049
October .....	95,492	71,238	74.6	67,416	70.6	2,562	64,854	3,822	5.4	24,254
November .....	95,580	71,208	74.5	67,177	70.3	2,462	64,715	4,031	5.7	24,372
December .....	95,661	71,182	74.4	67,162	70.2	2,445	64,717	4,020	5.6	24,479
<b>1996:</b>										
January .....	95,713	71,593	74.8	67,501	70.5	2,619	64,881	4,092	5.7	24,120
February .....	95,786	71,743	74.9	67,764	70.7	2,617	65,147	3,979	5.5	24,043
March .....	95,864	72,030	75.1	67,856	70.8	2,590	65,266	4,174	5.8	23,834
April .....	95,955	71,935	75.0	67,933	70.8	2,519	65,414	4,002	5.6	24,020
May .....	96,048	72,241	75.2	68,278	71.1	2,599	65,678	3,964	5.5	23,807
<b>Annual averages</b>										
<b>WOMEN</b>										
1985 .....	93,736	51,050	54.5	47,259	50.4	644	46,615	3,791	7.4	42,686
1986 <sup>1</sup> .....	94,789	52,413	55.3	48,706	51.4	652	48,054	3,707	7.1	42,376
1987 .....	95,853	53,658	56.0	50,334	52.5	666	49,668	3,324	6.2	42,195
1988 .....	96,756	54,742	56.6	51,696	53.4	676	51,020	3,046	5.6	42,014
1989 .....	97,830	56,030	57.4	53,027	54.3	687	52,341	3,003	5.4	41,601
1990 <sup>2</sup> .....	98,787	56,829	57.5	53,689	54.3	678	53,011	3,140	5.5	41,957
1991 .....	99,646	57,178	57.4	53,496	53.7	680	52,815	3,683	6.4	42,468
1992 .....	100,535	58,141	57.8	54,052	53.8	672	53,380	4,090	7.0	42,394
1993 .....	101,506	58,795	57.9	54,910	54.1	637	54,273	3,885	6.6	42,711
1994 <sup>2</sup> .....	102,460	60,239	58.8	56,610	55.3	855	55,755	3,629	6.0	42,221
1995 .....	103,406	60,944	58.9	57,523	55.6	881	56,642	3,421	5.6	42,462
<b>Monthly data, seasonally adjusted<sup>3</sup></b>										
<b>1995:</b>										
May .....	103,263	60,751	58.8	57,357	55.5	883	56,474	3,394	5.6	42,512
June .....	103,342	60,621	58.7	57,200	55.3	868	56,332	3,421	5.6	42,721
July .....	103,424	61,013	59.0	57,490	55.6	855	56,635	3,523	5.8	42,411
August .....	103,514	61,039	59.0	57,611	55.7	860	56,751	3,428	5.6	42,475
September .....	103,608	61,153	59.0	57,708	55.7	829	56,879	3,445	5.6	42,455
October .....	103,700	61,235	59.1	57,828	55.8	872	56,956	3,407	5.6	42,465
November .....	103,775	61,263	59.0	57,885	55.8	861	57,024	3,378	5.5	42,512
December .....	103,847	61,170	58.9	57,819	55.7	880	56,939	3,351	5.5	42,677
<b>1996:</b>										
January .....	103,921	61,310	59.0	57,725	55.5	909	56,816	3,585	5.8	42,610
February .....	103,986	61,275	58.9	57,899	55.7	902	56,997	3,376	5.5	42,711
March .....	104,058	61,625	59.2	58,294	56.0	897	57,397	3,331	5.4	42,433
April .....	104,146	61,426	59.0	58,161	55.8	849	57,312	3,264	5.3	42,721
May .....	104,230	61,669	59.2	58,184	55.8	891	57,293	3,485	5.7	42,561

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

<sup>2</sup> Data, beginning in 1994, are not strictly comparable with data for 1993 and prior years because of the introduction of a major redesign of the Current Population Survey (household survey) questionnaire and collection methodology. For additional

information, see "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of this publication. Beginning in 1990, data incorporate 1990 census-based population controls, adjusted for the estimated undercount. For additional information, see "Revisions in Household Survey Data Effective February 1996" in the March 1996 issue of this publication.

<sup>3</sup> The population figures are not adjusted for seasonal variation.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	198,286	198,453	198,615	198,801	199,005	199,192	199,355	199,508	199,634	199,773	199,921	200,101	200,278
Civilian labor force .....	132,058	131,962	132,342	132,298	132,501	132,473	132,471	132,352	132,903	133,018	133,655	133,361	133,910
Percent of population .....	66.6	66.5	66.6	66.5	66.6	66.5	66.4	66.3	66.6	66.6	66.9	66.6	66.9
Employed .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
Employment-population ratio .....	62.8	62.8	62.9	62.8	62.8	62.9	62.7	62.6	62.7	62.9	63.1	63.0	63.1
Unemployed .....	7,460	7,396	7,510	7,439	7,465	7,229	7,409	7,371	7,677	7,355	7,504	7,266	7,448
Unemployment rate .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6
<b>Men, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	95,024	95,110	95,191	95,287	95,397	95,492	95,580	95,661	95,713	95,786	95,864	95,955	96,048
Civilian labor force .....	71,307	71,341	71,329	71,259	71,348	71,238	71,208	71,182	71,593	71,743	72,030	71,935	72,241
Percent of population .....	75.0	75.0	74.9	74.8	74.8	74.6	74.5	74.4	74.8	74.9	75.1	75.0	75.2
Employed .....	67,241	67,366	67,342	67,248	67,328	67,416	67,177	67,162	67,501	67,764	67,856	67,933	68,278
Employment-population ratio .....	70.8	70.8	70.7	70.6	70.6	70.6	70.3	70.2	70.5	70.7	70.8	70.8	71.1
Agriculture .....	2,477	2,567	2,554	2,516	2,506	2,562	2,462	2,445	2,619	2,617	2,590	2,519	2,599
Nonagricultural industries .....	64,764	64,799	64,788	64,732	64,822	64,854	64,715	64,717	64,881	65,147	65,266	65,414	65,678
Unemployed .....	4,066	3,975	3,987	4,011	4,020	3,822	4,031	4,020	4,092	3,979	4,174	4,002	3,964
Unemployment rate .....	5.7	5.6	5.6	5.6	5.6	5.4	5.7	5.6	5.7	5.5	5.8	5.6	5.5
Not in labor force .....	23,717	23,769	23,862	24,028	24,049	24,254	24,372	24,479	24,120	24,043	23,834	24,020	23,807
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	87,691	87,750	87,818	87,905	87,940	88,027	88,046	88,172	88,223	88,296	88,366	88,440	88,530
Civilian labor force .....	67,283	67,281	67,264	67,218	67,286	67,193	67,171	67,133	67,563	67,719	67,980	67,821	68,064
Percent of population .....	76.7	76.7	76.6	76.5	76.5	76.3	76.3	76.1	76.6	76.7	76.9	76.7	76.9
Employed .....	63,951	64,039	64,031	63,982	64,023	64,146	63,901	63,879	64,246	64,425	64,594	64,555	64,818
Employment-population ratio .....	72.9	73.0	72.9	72.8	72.8	72.9	72.6	72.4	72.8	73.0	73.1	73.1	73.2
Agriculture .....	2,241	2,331	2,321	2,297	2,296	2,351	2,259	2,252	2,399	2,382	2,403	2,292	2,337
Nonagricultural industries .....	61,710	61,708	61,710	61,685	61,727	61,795	61,642	61,627	61,848	62,044	62,191	62,263	62,480
Unemployed .....	3,332	3,242	3,233	3,263	3,263	3,047	3,270	3,254	3,317	3,294	3,386	3,266	3,246
Unemployment rate .....	5.0	4.8	4.8	4.8	4.8	4.5	4.9	4.8	4.9	4.9	5.0	4.8	4.8
Not in labor force .....	20,408	20,469	20,554	20,687	20,654	20,834	20,875	21,039	20,659	20,577	20,386	20,619	20,466
<b>Women, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	103,263	103,342	103,424	103,514	103,608	103,700	103,775	103,847	103,921	103,986	104,058	104,146	104,230
Civilian labor force .....	60,751	60,621	61,013	61,039	61,153	61,235	61,263	61,170	61,310	61,275	61,625	61,426	61,669
Percent of population .....	58.8	58.7	59.0	59.0	59.0	59.1	59.0	58.9	59.0	58.9	59.2	59.0	59.2
Employed .....	57,357	57,200	57,490	57,611	57,708	57,828	57,885	57,819	57,725	57,899	58,294	58,161	58,184
Employment-population ratio .....	55.5	55.3	55.6	55.7	55.7	55.8	55.8	55.7	55.5	55.7	56.0	55.8	55.8
Agriculture .....	883	868	855	860	829	872	861	880	909	902	897	849	891
Nonagricultural industries .....	56,474	56,332	56,635	56,751	56,879	56,956	57,024	56,939	56,816	56,997	57,397	57,312	57,293
Unemployed .....	3,394	3,421	3,523	3,428	3,445	3,407	3,378	3,351	3,585	3,376	3,331	3,264	3,485
Unemployment rate .....	5.6	5.6	5.8	5.6	5.6	5.6	5.5	5.5	5.8	5.5	5.4	5.3	5.7
Not in labor force .....	42,512	42,721	42,411	42,475	42,455	42,465	42,512	42,677	42,610	42,711	42,433	42,721	42,561
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	96,141	96,204	96,265	96,327	96,409	96,487	96,555	96,633	96,717	96,757	96,798	96,857	96,925
Civilian labor force .....	57,027	56,896	57,315	57,291	57,387	57,516	57,502	57,426	57,591	57,570	57,903	57,763	57,915
Percent of population .....	59.3	59.1	59.5	59.5	59.5	59.6	59.6	59.4	59.5	59.5	59.8	59.6	59.8
Employed .....	54,243	54,059	54,422	54,458	54,568	54,661	54,752	54,715	54,642	54,790	55,146	55,060	55,014
Employment-population ratio .....	56.4	56.2	56.5	56.5	56.6	56.7	56.7	56.6	56.5	56.6	57.0	56.8	56.8
Agriculture .....	835	813	801	811	778	816	806	816	857	851	844	813	831
Nonagricultural industries .....	53,408	53,246	53,621	53,647	53,790	53,845	53,946	53,899	53,785	53,938	54,303	54,247	54,183
Unemployed .....	2,784	2,837	2,893	2,833	2,819	2,855	2,750	2,711	2,949	2,780	2,757	2,704	2,901
Unemployment rate .....	4.9	5.0	5.0	4.9	4.9	5.0	4.8	4.7	5.1	4.8	4.8	4.7	5.0
Not in labor force .....	39,114	39,308	38,950	39,036	39,022	38,971	39,053	39,207	39,126	39,188	38,895	39,093	39,010
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,454	14,498	14,531	14,569	14,657	14,678	14,754	14,703	14,694	14,719	14,757	14,805	14,823
Civilian labor force .....	7,748	7,785	7,763	7,789	7,828	7,764	7,798	7,793	7,749	7,729	7,772	7,776	7,932
Percent of population .....	53.6	53.7	53.4	53.5	53.4	52.9	52.9	53.0	52.7	52.5	52.7	52.5	53.5
Employed .....	6,404	6,468	6,379	6,419	6,445	6,437	6,409	6,387	6,338	6,448	6,411	6,480	6,630
Employment-population ratio .....	44.3	44.6	43.9	44.1	44.0	43.9	43.4	43.4	43.1	43.8	43.4	43.8	44.7
Agriculture .....	284	291	287	268	261	267	258	257	273	286	240	263	323
Nonagricultural industries .....	6,120	6,177	6,092	6,151	6,184	6,170	6,151	6,130	6,065	6,161	6,171	6,217	6,308
Unemployed .....	1,344	1,317	1,384	1,370	1,383	1,327	1,389	1,406	1,412	1,282	1,362	1,296	1,301
Unemployment rate .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4
Not in labor force .....	6,706	6,713	6,768	6,780	6,829	6,914	6,956	6,910	6,945	6,990	6,984	7,028	6,891

<sup>1</sup> The population figures are not adjusted for seasonal variation.  
NOTE: Detail for the seasonally adjusted data shown in tables A-3

through A-12 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	166,708	166,822	166,931	167,058	167,200	167,327	167,441	167,545	167,669	167,757	167,853	167,973	168,098
Civilian labor force .....	111,707	111,738	112,054	111,939	112,113	112,147	112,023	111,987	112,198	112,747	112,970	112,613	113,109
Percent of population .....	67.0	67.0	67.1	67.0	67.1	67.0	66.9	66.8	66.9	67.2	67.3	67.0	67.3
Employed .....	106,141	106,311	106,575	106,512	106,666	106,761	106,451	106,445	106,576	107,244	107,497	107,319	107,612
Employment-population ratio .....	63.7	63.7	63.8	63.8	63.8	63.8	63.6	63.5	63.6	63.9	64.0	63.9	64.0
Unemployed .....	5,566	5,427	5,479	5,427	5,447	5,386	5,572	5,542	5,623	5,502	5,473	5,294	5,497
Unemployment rate .....	5.0	4.9	4.9	4.8	4.9	4.8	5.0	4.9	5.0	4.9	4.8	4.7	4.9
<b>Men, 20 years and over</b>													
Civilian labor force .....	57,608	57,682	57,682	57,614	57,715	57,717	57,679	57,693	57,894	58,162	58,309	58,202	58,340
Percent of population .....	77.0	77.1	77.0	76.9	76.9	76.9	76.8	76.8	77.0	77.3	77.5	77.3	77.4
Employed .....	55,033	55,215	55,248	55,171	55,250	55,383	55,150	55,206	55,438	55,688	55,795	55,778	55,914
Employment-population ratio .....	73.6	73.8	73.8	73.6	73.7	73.8	73.4	73.5	73.7	74.0	74.1	74.1	74.2
Unemployed .....	2,575	2,467	2,434	2,443	2,465	2,334	2,529	2,487	2,456	2,475	2,514	2,424	2,426
Unemployment rate .....	4.5	4.3	4.2	4.2	4.3	4.0	4.4	4.3	4.2	4.3	4.3	4.2	4.2
<b>Women, 20 years and over</b>													
Civilian labor force .....	47,566	47,434	47,794	47,790	47,876	47,909	47,832	47,772	47,727	47,968	48,136	47,884	48,103
Percent of population .....	59.1	58.9	59.3	59.3	59.3	59.4	59.2	59.1	59.0	59.3	59.5	59.2	59.4
Employed .....	45,523	45,386	45,725	45,741	45,851	45,820	45,796	45,722	45,604	45,892	46,141	45,937	45,976
Employment-population ratio .....	56.6	56.4	56.7	56.7	56.8	56.8	56.7	56.6	56.4	56.8	57.0	56.8	56.8
Unemployed .....	2,043	2,048	2,069	2,049	2,025	2,089	2,036	2,050	2,123	2,076	1,995	1,947	2,128
Unemployment rate .....	4.3	4.3	4.3	4.3	4.2	4.4	4.3	4.3	4.4	4.3	4.1	4.1	4.4
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,533	6,622	6,578	6,535	6,522	6,521	6,512	6,522	6,577	6,616	6,525	6,527	6,666
Percent of population .....	57.1	57.8	57.3	56.8	56.6	56.5	56.3	56.2	56.6	56.8	55.8	55.7	56.6
Employed .....	5,585	5,710	5,602	5,600	5,565	5,558	5,505	5,517	5,533	5,665	5,561	5,604	5,723
Employment-population ratio .....	48.9	49.8	48.8	48.7	48.3	48.1	47.6	47.5	47.6	48.6	47.6	47.8	48.6
Unemployed .....	948	912	976	935	957	963	1,007	1,005	1,044	951	964	923	943
Unemployment rate .....	14.5	13.8	14.8	14.3	14.7	14.8	15.5	15.4	15.9	14.4	14.8	14.1	14.1
Men .....	15.3	15.0	15.1	15.7	15.8	16.8	16.4	16.0	16.6	15.2	16.0	15.2	15.2
Women .....	13.7	12.4	14.6	12.8	13.4	12.5	14.5	14.7	15.1	13.4	13.4	12.9	12.9
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	23,192	23,221	23,249	23,284	23,323	23,357	23,389	23,419	23,424	23,455	23,485	23,519	23,549
Civilian labor force .....	14,794	14,717	14,710	14,781	14,820	14,856	15,006	14,959	14,993	14,827	15,030	14,971	15,149
Percent of population .....	63.8	63.4	63.3	63.5	63.5	63.6	64.2	63.9	64.0	63.2	64.0	63.7	64.3
Employed .....	13,312	13,168	13,124	13,159	13,181	13,370	13,558	13,436	13,409	13,302	13,358	13,399	13,599
Employment-population ratio .....	57.4	56.7	56.5	56.5	56.5	57.2	58.0	57.4	57.2	56.7	56.9	57.0	57.7
Unemployed .....	1,482	1,549	1,586	1,622	1,639	1,486	1,448	1,523	1,584	1,525	1,673	1,573	1,551
Unemployment rate .....	10.0	10.5	10.8	11.0	11.1	10.0	9.6	10.2	10.6	10.3	11.1	10.5	10.2
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,743	6,709	6,687	6,696	6,727	6,676	6,664	6,683	6,748	6,775	6,790	6,696	6,786
Percent of population .....	72.9	72.3	72.0	71.9	72.3	71.7	71.8	71.5	72.2	72.3	72.4	71.3	72.2
Employed .....	6,152	6,109	6,077	6,080	6,096	6,125	6,108	6,062	6,141	6,089	6,049	6,055	6,136
Employment-population ratio .....	66.5	65.9	65.4	65.3	65.5	65.7	65.8	64.9	65.7	65.0	64.5	64.5	65.3
Unemployed .....	591	600	610	616	631	551	556	621	607	686	741	641	650
Unemployment rate .....	8.8	8.9	9.1	9.2	9.4	8.3	8.3	9.3	9.0	10.1	10.9	9.6	9.6
<b>Women, 20 years and over</b>													
Civilian labor force .....	7,153	7,106	7,120	7,138	7,122	7,259	7,366	7,317	7,343	7,193	7,287	7,300	7,373
Percent of population .....	61.4	60.9	60.9	61.0	60.8	61.9	62.7	62.2	62.4	61.1	61.8	61.9	62.4
Employed .....	6,578	6,485	6,480	6,511	6,478	6,637	6,789	6,751	6,678	6,630	6,674	6,687	6,758
Employment-population ratio .....	56.4	55.6	55.5	55.7	55.3	56.6	57.8	57.4	56.8	56.3	56.6	56.7	57.2
Unemployed .....	575	621	640	627	644	622	577	566	665	563	613	613	615
Unemployment rate .....	8.0	8.7	9.0	8.8	9.0	8.6	7.8	7.7	9.1	7.8	8.4	8.4	8.3

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	898	902	903	947	971	921	976	959	902	860	954	976	990
Percent of population .....	39.3	39.6	39.7	41.6	42.1	39.9	41.2	41.4	39.1	37.2	41.1	41.9	42.3
Employed .....	582	574	567	568	607	608	661	623	590	583	635	657	705
Employment-population ratio .....	25.4	25.2	24.9	24.9	26.3	26.3	27.9	26.9	25.6	25.2	27.4	28.2	30.1
Unemployed .....	316	328	336	379	364	313	315	336	312	276	319	319	286
Unemployment rate .....	35.2	36.4	37.2	40.0	37.5	34.0	32.3	35.0	34.6	32.1	33.5	32.7	28.9
Men .....	37.9	37.7	39.4	43.0	36.0	35.3	33.7	39.0	39.1	30.6	38.2	34.1	27.4
Women .....	32.5	35.0	35.0	37.0	38.9	32.7	30.8	31.4	30.4	33.6	28.4	31.3	30.2
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	18,554	18,604	18,653	18,702	18,752	18,800	18,845	18,889	18,929	18,977	19,025	19,080	19,131
Civilian labor force .....	12,165	12,259	12,301	12,355	12,369	12,410	12,374	12,391	12,655	12,666	12,571	12,511	12,514
Percent of population .....	65.6	65.9	65.9	66.1	66.0	66.0	65.7	65.6	66.9	66.7	66.1	65.6	65.4
Employed .....	11,008	11,146	11,197	11,173	11,247	11,251	11,227	11,237	11,493	11,432	11,308	11,294	11,365
Employment-population ratio .....	59.3	59.9	60.0	59.7	60.0	59.8	59.6	59.5	60.7	60.2	59.4	59.2	59.4
Unemployed .....	1,157	1,113	1,104	1,182	1,122	1,159	1,147	1,154	1,162	1,234	1,262	1,217	1,149
Unemployment rate .....	9.5	9.1	9.0	9.6	9.1	9.3	9.3	9.3	9.2	9.7	10.0	9.7	9.2

<sup>1</sup> 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.

**A-5. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted**

(Numbers in thousands)

Full- and part-time status, sex, and age	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>EMPLOYED</b>													
Full-time workers .....	101,341	101,524	101,670	101,559	101,817	102,128	102,285	102,233	101,957	102,594	102,618	102,711	103,390
Men, 16 years and over .....	59,742	59,981	59,942	59,902	59,891	60,070	59,916	60,012	59,844	60,144	60,193	60,345	60,900
Men, 20 years and over .....	58,545	58,702	58,665	58,650	58,652	58,880	58,678	58,827	58,702	58,928	58,946	59,169	59,586
Women, 16 years and over .....	41,580	41,644	41,809	41,732	41,929	42,013	42,315	42,161	42,058	42,359	42,427	42,367	42,488
Women, 20 years and over .....	40,760	40,773	40,999	40,903	41,126	41,170	41,520	41,352	41,265	41,560	41,646	41,623	41,607
Both sexes, 16 to 19 years .....	2,036	2,049	2,006	2,006	2,039	2,078	2,087	2,054	1,989	2,106	2,025	1,919	2,196
Part-time workers .....	23,216	22,989	23,177	23,197	23,322	23,176	23,001	22,950	23,188	23,013	23,326	23,239	23,035
Men, 16 years and over .....	7,432	7,422	7,451	7,361	7,557	7,343	7,302	7,254	7,591	7,490	7,540	7,519	7,345
Men, 20 years and over .....	5,351	5,307	5,353	5,326	5,437	5,329	5,319	5,227	5,521	5,375	5,498	5,276	5,185
Women, 16 years and over .....	15,796	15,587	15,696	15,902	15,774	15,801	15,667	15,648	15,609	15,561	15,756	15,741	15,702
Women, 20 years and over .....	13,485	13,264	13,439	13,498	13,456	13,485	13,346	13,376	13,321	13,261	13,437	13,416	13,377
Both sexes, 16 to 19 years .....	4,380	4,418	4,385	4,373	4,429	4,362	4,336	4,347	4,346	4,378	4,390	4,547	4,474
<b>UNEMPLOYED</b>													
Looking for full-time work .....	5,934	5,887	5,948	5,962	5,955	5,846	5,977	5,938	6,116	5,853	6,014	5,843	5,969
Men, 16 years and over .....	3,432	3,402	3,391	3,441	3,448	3,352	3,457	3,443	3,345	3,238	3,465	3,368	3,322
Men, 20 years and over .....	3,056	2,994	2,990	3,002	3,020	2,856	3,045	3,037	2,989	3,009	3,111	3,021	2,953
Women, 16 years and over .....	2,507	2,493	2,566	2,536	2,547	2,596	2,552	2,535	2,714	2,525	2,513	2,473	2,637
Women, 20 years and over .....	2,235	2,258	2,289	2,258	2,258	2,328	2,240	2,219	2,412	2,251	2,216	2,190	2,364
Both sexes, 16 to 19 years .....	643	635	669	702	677	662	692	682	715	593	688	632	652
Looking for part-time work .....	1,500	1,515	1,592	1,487	1,473	1,457	1,452	1,450	1,472	1,516	1,499	1,427	1,455
Men, 16 years and over .....	608	604	604	591	608	624	624	636	590	685	668	625	616
Men, 20 years and over .....	259	253	242	236	251	238	242	249	233	307	288	240	278
Women, 16 years and over .....	885	923	979	898	864	847	845	828	864	836	800	811	837
Women, 20 years and over .....	548	584	641	575	530	535	515	481	539	511	537	525	530
Both sexes, 16 to 19 years .....	693	678	709	676	692	684	695	720	699	697	675	662	648
<b>UNEMPLOYMENT RATES<sup>1</sup></b>													
Full-time workers .....	5.5	5.5	5.5	5.5	5.5	5.4	5.5	5.5	5.7	5.4	5.5	5.4	5.5
Men, 16 years and over .....	5.4	5.4	5.4	5.4	5.4	5.3	5.5	5.4	5.3	5.1	5.4	5.3	5.2
Men, 20 years and over .....	5.0	4.9	4.8	4.9	4.9	4.6	4.9	4.9	4.8	4.9	5.0	4.9	4.7
Women, 16 years and over .....	5.7	5.6	5.8	5.7	5.7	5.8	5.7	5.7	6.1	5.6	5.6	5.5	5.8
Women, 20 years and over .....	5.2	5.2	5.3	5.2	5.2	5.4	5.1	5.1	5.5	5.1	5.1	5.0	5.4
Both sexes, 16 to 19 years .....	24.0	23.7	25.0	25.9	24.9	24.2	24.9	24.9	26.4	22.0	25.3	24.8	22.9
Part-time workers .....	6.1	6.2	6.4	6.0	5.9	5.9	5.9	5.9	6.0	6.2	6.0	5.8	5.9
Men, 16 years and over .....	7.6	7.5	7.5	7.4	7.4	7.8	7.9	8.1	7.2	8.4	8.1	7.7	7.7
Men, 20 years and over .....	4.6	4.6	4.3	4.2	4.4	4.3	4.4	4.5	4.1	5.4	5.0	4.3	5.1
Women, 16 years and over .....	5.3	5.6	5.9	5.3	5.2	5.1	5.1	5.0	5.2	5.1	4.8	4.9	5.1
Women, 20 years and over .....	3.9	4.2	4.6	4.1	3.8	3.8	3.7	3.5	3.9	3.7	3.8	3.8	3.8
Both sexes, 16 to 19 years .....	13.7	13.3	13.9	13.4	13.5	13.6	13.8	14.2	13.9	13.7	13.3	12.7	12.6

<sup>1</sup> These rates reflect a refined definition of the full- and part-time labor force and differ from the rates published elsewhere in this publication prior to 1994.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-6. Employed persons by marital status, occupation, class of worker, and part-time status, seasonally adjusted**

(In thousands)

Category	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>MARITAL STATUS</b>													
Total .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
Married men, spouse present .....	41,900	41,988	42,099	42,086	42,178	42,281	42,081	42,058	42,171	42,339	42,178	42,067	42,406
Married women, spouse present .....	32,029	32,050	32,188	32,153	32,180	32,185	32,153	32,072	32,078	32,101	32,053	31,868	32,330
Women who maintain families .....	7,161	7,184	7,127	7,205	7,155	7,089	7,274	7,304	7,294	7,295	7,397	7,389	7,314
<b>OCCUPATION</b>													
Managerial and professional specialty .....	35,205	35,300	35,542	35,614	35,607	35,758	35,730	35,712	35,682	35,866	36,149	36,115	36,257
Technical, sales, and administrative support .....	37,402	37,455	37,771	37,431	37,504	37,337	37,291	36,999	37,057	37,328	37,782	37,638	37,681
Service occupations .....	16,943	16,862	16,786	16,959	16,932	16,994	16,947	16,964	16,755	16,727	16,714	16,939	17,312
Precision production, craft, and repair .....	13,512	13,489	13,458	13,387	13,486	13,459	13,344	13,445	13,615	13,786	13,618	13,595	13,439
Operators, fabricators, and laborers .....	18,008	17,980	17,833	17,879	18,002	18,034	18,213	18,264	18,257	18,147	18,058	18,124	18,282
Farming, forestry, and fishing .....	3,571	3,589	3,583	3,577	3,588	3,692	3,590	3,599	3,760	3,744	3,622	3,545	3,560
<b>CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,763	1,830	1,820	1,779	1,754	1,806	1,750	1,755	1,964	1,954	1,859	1,862	2,026
Self-employed workers .....	1,577	1,587	1,562	1,550	1,525	1,543	1,514	1,521	1,547	1,531	1,572	1,484	1,456
Unpaid family workers .....	51	46	46	45	43	49	34	46	48	34	41	52	46
Nonagricultural industries:													
Wage and salary workers .....	112,324	112,274	112,417	112,448	112,586	112,777	112,722	112,618	112,568	113,165	113,461	113,527	114,032
Private industries .....	93,882	93,898	94,073	94,134	94,337	94,533	94,434	94,381	94,524	94,906	95,456	95,237	95,776
Private households .....	932	901	908	933	959	973	980	975	931	873	901	844	918
Other industries .....	92,950	92,997	93,165	93,201	93,378	93,560	93,454	93,406	93,593	94,032	94,555	94,393	94,858
Government .....	18,442	18,376	18,344	18,314	18,249	18,244	18,288	18,237	18,044	18,259	18,005	18,290	18,256
Self-employed workers .....	8,824	8,823	9,062	8,883	8,954	8,913	8,853	8,877	8,913	8,953	9,092	9,081	8,878
Unpaid family workers .....	122	111	105	106	112	102	105	106	85	116	102	101	124
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	4,463	4,463	4,440	4,467	4,502	4,433	4,435	4,447	4,091	4,502	4,479	4,525	4,277
Slack work or business conditions .....	2,482	2,342	2,493	2,546	2,526	2,520	2,526	2,537	2,250	2,533	2,548	2,594	2,216
Could only find part-time work .....	1,707	1,732	1,687	1,634	1,706	1,652	1,648	1,615	1,509	1,621	1,596	1,571	1,719
Part time for noneconomic reasons .....	17,806	17,864	17,966	17,894	17,842	17,678	17,452	17,405	17,198	17,493	17,915	17,487	17,620
Nonagricultural industries:													
Part time for economic reasons .....	4,273	4,263	4,256	4,291	4,355	4,274	4,283	4,306	3,842	4,274	4,223	4,287	4,068
Slack work or business conditions .....	2,345	2,200	2,372	2,414	2,413	2,426	2,419	2,440	2,114	2,382	2,386	2,476	2,092
Could only find part-time work .....	1,671	1,691	1,656	1,610	1,675	1,610	1,622	1,583	1,472	1,607	1,561	1,534	1,663
Part time for noneconomic reasons .....	17,158	17,189	17,334	17,251	17,218	17,054	16,852	16,804	16,520	16,884	17,266	16,994	17,038

<sup>1</sup>Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who

usually work full time but worked only 1 to 34 hours during the reference week for reasons such as holidays, illness, and bad weather.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-7. Employed persons by age and sex, seasonally adjusted**

(In thousands)

Age and sex	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Total, 16 years and over</b> .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
16 to 24 years .....	18,917	18,952	18,793	18,731	18,634	18,640	18,608	18,542	18,422	18,552	18,701	18,758	18,809
16 to 19 years .....	6,404	6,468	6,379	6,419	6,445	6,437	6,409	6,387	6,338	6,448	6,411	6,480	6,630
16 to 17 years .....	2,528	2,707	2,563	2,537	2,594	2,570	2,560	2,544	2,513	2,574	2,645	2,661	2,647
18 to 19 years .....	3,852	3,836	3,845	3,882	3,860	3,862	3,845	3,852	3,786	3,864	3,754	3,816	3,960
20 to 24 years .....	12,513	12,484	12,414	12,312	12,189	12,203	12,199	12,155	12,084	12,105	12,290	12,278	12,179
<b>25 years and over</b> .....	105,614	105,661	106,108	106,129	106,337	106,651	106,443	106,754	107,065	107,363	107,300	107,599	107,599
25 to 54 years .....	90,680	90,763	90,954	91,016	91,186	91,263	91,306	91,360	91,531	91,740	91,915	92,088	92,261
55 years and over .....	14,954	14,927	15,117	15,072	15,218	15,316	15,204	15,119	15,153	15,326	15,416	15,231	15,356
<b>Men, 16 years and over</b> .....	67,241	67,366	67,342	67,248	67,328	67,416	67,177	67,162	67,501	67,764	67,856	67,933	68,278
16 to 24 years .....	10,002	10,045	9,973	9,857	9,859	9,775	9,763	9,766	9,789	9,721	9,755	9,798	9,909
16 to 19 years .....	3,290	3,327	3,311	3,266	3,305	3,270	3,276	3,283	3,254	3,339	3,263	3,379	3,460
16 to 17 years .....	1,274	1,424	1,342	1,284	1,325	1,307	1,282	1,301	1,257	1,311	1,330	1,334	1,353
18 to 19 years .....	1,991	1,967	1,981	1,982	1,983	1,970	1,991	1,992	1,966	2,026	1,937	2,033	2,084
20 to 24 years .....	6,712	6,718	6,662	6,591	6,554	6,505	6,487	6,483	6,535	6,383	6,493	6,420	6,449
<b>25 years and over</b> .....	57,160	57,303	57,395	57,393	57,462	57,696	57,404	57,378	57,697	58,023	58,065	58,121	58,290
25 to 54 years .....	48,952	49,037	48,997	49,036	49,076	49,101	48,980	49,010	49,247	49,503	49,419	49,580	49,668
55 years and over .....	8,263	8,278	8,356	8,302	8,412	8,530	8,463	8,423	8,419	8,510	8,634	8,581	8,685
<b>Women, 16 years and over</b> .....	57,357	57,200	57,490	57,611	57,708	57,828	57,885	57,819	57,725	57,899	58,294	58,161	58,184
16 to 24 years .....	8,915	8,907	8,820	8,874	8,775	8,865	8,845	8,776	8,633	8,831	8,946	8,960	8,900
16 to 19 years .....	3,114	3,141	3,068	3,153	3,140	3,167	3,133	3,104	3,084	3,109	3,148	3,102	3,170
16 to 17 years .....	1,254	1,283	1,221	1,253	1,269	1,263	1,278	1,243	1,256	1,264	1,314	1,327	1,294
18 to 19 years .....	1,861	1,869	1,864	1,900	1,877	1,892	1,854	1,860	1,820	1,838	1,817	1,783	1,876
20 to 24 years .....	5,801	5,766	5,752	5,721	5,635	5,698	5,712	5,672	5,549	5,722	5,798	5,858	5,730
<b>25 years and over</b> .....	48,454	48,358	48,713	48,736	48,875	48,955	49,036	49,065	49,056	49,042	49,297	49,180	49,309
25 to 54 years .....	41,728	41,726	41,957	41,980	42,110	42,162	42,326	42,350	42,284	42,237	42,496	42,508	42,593
55 years and over .....	6,691	6,649	6,761	6,770	6,806	6,786	6,741	6,696	6,734	6,816	6,782	6,650	6,670

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

(In thousands)

Age and sex	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Total, 16 years and over</b> .....	7,460	7,396	7,510	7,439	7,465	7,229	7,409	7,371	7,677	7,355	7,504	7,266	7,448
16 to 24 years .....	2,540	2,565	2,657	2,658	2,687	2,594	2,572	2,640	2,750	2,616	2,659	2,517	2,608
16 to 19 years .....	1,344	1,317	1,384	1,370	1,383	1,327	1,389	1,406	1,412	1,282	1,362	1,296	1,301
16 to 17 years .....	665	637	672	663	654	657	646	673	649	642	637	613	639
18 to 19 years .....	672	684	698	701	719	687	739	737	767	645	722	689	658
20 to 24 years .....	1,196	1,248	1,273	1,288	1,304	1,267	1,183	1,234	1,339	1,298	1,298	1,221	1,306
<b>25 years and over</b> .....	4,913	4,837	4,849	4,784	4,778	4,660	4,848	4,796	4,825	4,762	4,865	4,735	4,822
25 to 54 years .....	4,333	4,243	4,230	4,181	4,201	4,164	4,243	4,223	4,311	4,212	4,233	4,174	4,266
55 years and over .....	591	592	607	582	557	558	590	561	550	573	611	518	570
<b>Men, 16 years and over</b> .....	4,066	3,975	3,987	4,011	4,020	3,822	4,031	4,020	4,092	3,979	4,174	4,002	3,964
16 to 24 years .....	1,401	1,406	1,426	1,489	1,451	1,444	1,432	1,454	1,446	1,464	1,508	1,441	1,468
16 to 19 years .....	734	733	754	775	757	775	761	766	776	685	787	736	717
16 to 17 years .....	359	341	364	366	346	357	355	360	361	363	362	358	339
18 to 19 years .....	373	398	385	404	401	414	409	405	415	328	426	389	379
20 to 24 years .....	667	673	672	714	694	669	671	688	670	779	720	706	750
<b>25 years and over</b> .....	2,674	2,572	2,556	2,526	2,571	2,399	2,622	2,605	2,548	2,544	2,661	2,562	2,496
25 to 54 years .....	2,334	2,230	2,205	2,196	2,235	2,122	2,281	2,281	2,279	2,259	2,330	2,299	2,201
55 years and over .....	338	336	330	315	331	296	321	304	310	305	315	267	298
<b>Women, 16 years and over</b> .....	3,394	3,421	3,523	3,428	3,445	3,407	3,378	3,351	3,585	3,376	3,331	3,264	3,485
16 to 24 years .....	1,139	1,159	1,231	1,169	1,236	1,150	1,140	1,186	1,304	1,152	1,152	1,076	1,140
16 to 19 years .....	610	584	630	595	626	552	628	640	636	597	574	561	584
16 to 17 years .....	306	296	308	297	308	300	291	313	288	279	275	255	300
18 to 19 years .....	299	286	313	297	318	273	330	332	352	317	296	300	279
20 to 24 years .....	529	575	601	574	610	598	512	546	668	555	577	515	556
<b>25 years and over</b> .....	2,239	2,265	2,293	2,258	2,207	2,261	2,226	2,191	2,277	2,219	2,205	2,172	2,326
25 to 54 years .....	1,999	2,013	2,025	1,985	1,966	2,042	1,962	1,942	2,033	1,953	1,903	1,875	2,065
55 years and over .....	253	256	277	267	226	262	269	257	240	268	296	251	272

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-9. Unemployment rates by age and sex, seasonally adjusted**

Age and sex	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6
16 to 24 years .....	11.8	11.9	12.4	12.4	12.6	12.2	12.1	12.5	13.0	12.4	12.4	11.8	12.2
16 to 19 years .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4
16 to 17 years .....	20.8	19.0	20.8	20.7	20.1	20.4	20.1	20.9	20.5	20.0	19.4	18.7	19.4
18 to 19 years .....	14.9	15.1	15.4	15.3	15.7	15.1	16.1	16.1	16.9	14.3	16.1	15.3	14.2
20 to 24 years .....	8.7	9.1	9.3	9.5	9.7	9.4	8.8	9.2	10.0	9.9	9.5	9.0	9.7
25 years and over .....	4.4	4.4	4.4	4.3	4.3	4.2	4.4	4.3	4.3	4.3	4.3	4.2	4.3
25 to 54 years .....	4.6	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.3	4.4
55 years and over .....	3.8	3.8	3.9	3.7	3.5	3.5	3.7	3.6	3.5	3.6	3.8	3.3	3.6
Men, 16 years and over .....	5.7	5.6	5.6	5.6	5.6	5.4	5.7	5.6	5.7	5.5	5.8	5.6	5.5
16 to 24 years .....	12.3	12.3	12.5	13.1	12.8	12.9	12.8	13.0	12.9	13.1	13.4	12.8	12.9
16 to 19 years .....	18.2	18.1	18.5	19.2	18.6	19.2	18.9	18.9	19.2	17.0	19.4	17.9	17.2
16 to 17 years .....	22.0	19.3	21.3	22.2	20.7	21.5	21.7	21.7	22.3	21.7	21.4	21.2	20.0
18 to 19 years .....	15.8	16.8	16.3	16.9	16.8	17.4	17.0	16.9	17.4	13.9	18.0	16.1	15.4
20 to 24 years .....	9.0	9.1	9.2	9.8	9.6	9.3	9.4	9.6	9.3	10.9	10.0	9.9	10.4
25 years and over .....	4.5	4.3	4.3	4.2	4.3	4.0	4.4	4.3	4.2	4.2	4.4	4.2	4.1
25 to 54 years .....	4.6	4.3	4.3	4.3	4.4	4.1	4.4	4.4	4.4	4.4	4.5	4.4	4.2
55 years and over .....	3.9	3.9	3.8	3.7	3.8	3.4	3.7	3.5	3.5	3.5	3.5	3.0	3.3
Women, 16 years and over .....	5.6	5.6	5.8	5.6	5.6	5.6	5.5	5.5	5.8	5.5	5.4	5.3	5.7
16 to 24 years .....	11.3	11.5	12.2	11.6	12.3	11.5	11.4	11.9	13.1	11.5	11.4	10.7	11.4
16 to 19 years .....	16.4	15.7	17.0	15.9	16.6	14.8	16.7	17.1	17.1	16.1	15.4	15.3	15.6
16 to 17 years .....	19.6	18.7	20.1	19.2	19.5	19.2	18.5	20.1	18.7	18.1	17.3	16.1	18.8
18 to 19 years .....	13.8	13.3	14.4	13.5	14.5	12.6	15.1	15.1	16.2	14.7	14.0	14.4	12.9
20 to 24 years .....	8.4	9.1	9.5	9.1	9.8	9.5	8.2	8.8	10.8	8.8	9.1	8.1	8.8
25 years and over .....	4.4	4.5	4.5	4.4	4.3	4.4	4.3	4.3	4.4	4.3	4.3	4.2	4.5
25 to 54 years .....	4.6	4.6	4.6	4.5	4.5	4.6	4.4	4.4	4.6	4.4	4.3	4.2	4.6
55 years and over .....	3.6	3.7	3.9	3.8	3.2	3.7	3.8	3.7	3.4	3.8	4.2	3.6	3.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-10. Unemployment rates by occupation, industry, and selected demographic characteristics, seasonally adjusted**

Category	1995									1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
<b>CHARACTERISTIC</b>														
Total .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6	
Men, 20 years and over .....	5.0	4.8	4.8	4.8	4.8	4.5	4.9	4.8	4.9	4.9	5.0	4.8	4.8	
Women, 20 years and over .....	4.9	5.0	5.0	4.9	4.9	5.0	4.8	4.7	5.1	4.8	4.8	4.7	5.0	
Both sexes, 16 to 19 years .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4	
White .....	5.0	4.9	4.9	4.8	4.9	4.8	5.0	4.9	5.0	4.9	4.8	4.7	4.9	
Black and other .....	9.2	9.7	9.9	10.0	10.1	9.4	9.0	9.3	9.5	9.1	9.8	9.4	9.2	
Black .....	10.0	10.5	10.8	11.0	11.1	10.0	9.6	10.2	10.6	10.3	11.1	10.5	10.2	
Hispanic origin .....	9.5	9.1	9.0	9.6	9.1	9.3	9.3	9.3	9.2	9.7	10.0	9.7	9.2	
Married men, spouse present .....	3.4	3.4	3.4	3.3	3.4	3.2	3.3	3.2	3.3	3.0	3.1	3.0	2.9	
Married women, spouse present .....	3.9	3.9	4.0	4.0	3.9	3.9	3.8	3.8	4.0	3.8	3.5	3.7	3.8	
Women who maintain families .....	8.2	8.3	8.2	7.2	8.0	7.9	7.7	6.8	8.2	7.5	7.7	6.8	8.7	
<b>OCCUPATION<sup>1</sup></b>														
Managerial and professional specialty .....	2.2	2.5	2.6	2.5	2.4	2.4	2.5	2.5	2.4	2.3	2.3	2.3	2.3	
Technical, sales, and administrative support .....	4.6	4.4	4.4	4.4	4.4	4.5	4.2	4.4	4.6	4.5	4.4	4.4	4.7	
Precision production, craft, and repair .....	6.1	5.9	6.3	6.4	6.2	6.1	6.5	5.8	5.3	5.9	5.8	5.5	5.3	
Operators, fabricators, and laborers .....	8.6	8.4	8.3	8.4	8.4	8.1	8.3	8.4	8.3	8.2	8.6	8.0	8.3	
Farming, forestry, and fishing .....	8.6	8.3	7.7	6.8	7.4	8.3	7.8	7.7	8.4	7.7	7.9	8.0	9.1	
<b>INDUSTRY</b>														
Nonagricultural private wage and salary workers .....	5.9	5.7	5.9	5.8	5.8	5.7	5.8	5.8	5.8	5.7	5.8	5.7	5.7	
Goods-producing industries .....	6.9	6.5	6.5	6.5	6.6	6.5	6.7	6.5	6.3	6.4	6.5	6.1	6.2	
Mining .....	4.7	4.3	3.8	4.4	3.3	8.7	7.0	8.1	5.2	6.5	6.8	4.4	2.1	
Construction .....	12.2	11.0	11.3	12.0	12.4	11.7	12.0	11.5	10.7	11.2	10.0	10.2	10.0	
Manufacturing .....	5.3	5.1	5.1	4.9	4.9	4.8	5.0	5.0	5.0	4.9	5.3	4.8	5.1	
Durable goods .....	4.9	4.3	4.7	4.2	4.2	4.3	4.5	4.4	4.4	5.3	5.1	4.8	4.8	
Nondurable goods .....	5.8	6.3	5.8	5.9	5.9	5.6	5.8	5.8	5.7	4.4	5.7	4.8	5.5	
Service-producing industries .....	5.6	5.4	5.7	5.6	5.5	5.5	5.4	5.5	5.6	5.4	5.5	5.5	5.6	
Transportation and public utilities .....	4.2	4.5	4.6	4.4	4.5	4.3	4.2	4.6	3.7	3.8	4.2	4.2	4.2	
Wholesale and retail trade .....	6.6	6.3	6.5	6.5	6.9	6.3	6.3	6.4	6.8	6.3	6.9	6.6	6.6	
Finance, insurance, and real estate .....	3.5	3.3	3.4	3.3	3.1	3.3	3.0	3.2	2.9	2.2	2.5	2.3	2.5	
Services .....	5.6	5.5	5.7	5.6	5.2	5.5	5.5	5.5	5.7	5.7	5.4	5.6	5.7	
Government workers .....	2.9	3.0	2.9	2.9	2.8	2.9	2.9	2.8	2.8	3.0	2.8	2.9	3.3	
Agricultural wage and salary workers .....	11.8	11.5	10.4	8.7	11.6	12.2	12.0	12.6	10.5	10.7	10.7	10.9	10.0	

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-11. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reason	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>NUMBER OF UNEMPLOYED</b>													
Job losers and persons who completed temporary jobs .....	3,517	3,463	3,505	3,455	3,422	3,457	3,485	3,484	3,606	3,595	3,564	3,625	3,388
On temporary layoff .....	1,021	1,053	1,070	1,032	967	1,018	1,049	1,012	1,132	1,032	1,027	1,116	1,154
Not on temporary layoff .....	2,496	2,410	2,435	2,423	2,455	2,439	2,436	2,472	2,474	2,564	2,537	2,509	2,234
Job leavers .....	851	831	835	865	875	762	857	881	869	747	782	702	661
Reentrants .....	2,500	2,527	2,557	2,525	2,551	2,506	2,504	2,466	2,458	2,517	2,588	2,379	2,784
New entrants .....	547	546	565	581	601	559	585	603	641	613	591	550	532
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers and persons who completed temporary jobs .....	47.4	47.0	47.0	46.5	45.9	47.5	46.9	46.9	47.6	48.1	47.4	50.0	46.0
On temporary layoff .....	13.8	14.3	14.3	13.9	13.0	14.0	14.1	13.6	14.9	13.8	13.6	15.4	15.7
Not on temporary layoff .....	33.7	32.7	32.6	32.6	33.0	33.5	32.8	33.3	32.7	34.3	33.7	34.6	30.3
Job leavers .....	11.5	11.3	11.2	11.6	11.7	10.5	11.5	11.9	11.5	10.0	10.4	9.7	9.0
Reentrants .....	33.7	34.3	34.3	34.0	34.2	34.4	33.7	33.2	32.5	33.7	34.4	32.8	37.8
New entrants .....	7.4	7.4	7.6	7.8	8.1	7.7	7.9	8.1	8.5	8.2	7.9	7.6	7.2
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers and persons who completed temporary jobs .....	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.5
Job leavers .....	.6	.6	.6	.7	.7	.6	.6	.7	.7	.6	.6	.5	.5
Reentrants .....	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.8	2.1
New entrants .....	.4	.4	.4	.4	.5	.4	.4	.5	.5	.5	.4	.4	.4

**A-12. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

Duration	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>NUMBER OF UNEMPLOYED</b>													
Less than 5 weeks .....	2,639	2,694	2,661	2,715	2,786	2,744	2,767	2,717	2,784	2,793	2,623	2,412	2,815
5 to 14 weeks .....	2,321	2,341	2,554	2,373	2,317	2,348	2,383	2,431	2,413	2,280	2,298	2,337	2,334
15 weeks and over .....	2,526	2,353	2,332	2,371	2,323	2,281	2,305	2,322	2,370	2,307	2,479	2,388	2,336
15 to 26 weeks .....	1,231	1,152	1,051	1,129	1,054	1,010	1,057	1,085	1,118	1,126	1,164	1,106	1,020
27 weeks and over .....	1,295	1,201	1,281	1,242	1,269	1,271	1,248	1,237	1,252	1,181	1,316	1,282	1,317
Average (mean) duration, in weeks .....	16.8	16.0	16.5	16.3	16.3	16.2	16.3	16.2	16.0	16.6	17.3	17.4	16.8
Median duration, in weeks .....	8.9	7.7	8.7	8.4	8.1	8.1	8.0	8.1	8.3	8.0	8.3	8.8	8.3
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	35.3	36.5	35.3	36.4	37.5	37.2	37.1	36.4	36.8	37.8	35.4	33.8	37.6
5 to 14 weeks .....	31.0	31.7	33.8	31.8	31.2	31.8	32.0	32.5	31.9	30.9	31.1	32.7	31.2
15 weeks and over .....	33.7	31.8	30.9	31.8	31.3	30.9	30.9	31.1	31.3	31.3	33.5	33.5	31.2
15 to 26 weeks .....	16.4	15.6	13.9	15.1	14.2	13.7	14.2	14.5	14.8	15.3	15.7	15.5	13.6
27 weeks and over .....	17.3	16.3	17.0	16.7	17.1	17.2	16.7	16.6	16.5	16.0	17.8	18.0	17.6

**A-13. Employment status of the civilian noninstitutional population by age, sex, and race**

(Numbers in thousands)

Age, sex, and race	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
<b>TOTAL</b>										
16 years and over .....	200,278	133,558	66.7	126,391	63.1	3,698	122,693	7,166	5.4	66,721
16 to 19 years .....	14,823	7,727	52.1	6,371	43.0	341	6,030	1,356	17.6	7,096
16 to 17 years .....	7,642	3,184	41.7	2,523	33.0	157	2,366	661	20.8	4,458
18 to 19 years .....	7,181	4,543	63.3	3,848	53.6	184	3,664	696	15.3	2,638
20 to 24 years .....	17,401	13,377	76.9	12,068	69.4	323	11,745	1,309	9.8	4,024
25 to 54 years .....	115,403	96,514	83.6	92,568	80.2	2,246	90,322	3,946	4.1	18,889
25 to 34 years .....	40,321	33,716	83.6	32,012	79.4	807	31,205	1,704	5.1	6,605
25 to 29 years .....	19,026	15,995	84.1	15,122	79.5	391	14,730	874	5.5	3,030
30 to 34 years .....	21,296	17,721	83.2	16,891	79.3	416	16,475	830	4.7	3,575
35 to 44 years .....	43,110	36,491	84.6	35,135	81.5	836	34,299	1,356	3.7	6,619
35 to 39 years .....	22,387	18,883	84.3	18,136	81.0	407	17,729	747	4.0	3,504
40 to 44 years .....	20,723	17,609	85.0	17,000	82.0	430	16,570	609	3.5	3,115
45 to 54 years .....	31,971	26,306	82.3	25,420	79.5	602	24,818	886	3.4	5,665
45 to 49 years .....	18,297	15,412	84.2	14,883	81.3	369	14,514	529	3.4	2,884
50 to 54 years .....	13,675	10,894	79.7	10,537	77.1	233	10,304	357	3.3	2,781
55 to 64 years .....	20,978	12,062	57.5	11,659	55.6	408	11,252	403	3.3	8,916
55 to 59 years .....	11,181	7,555	67.6	7,312	65.4	232	7,080	243	3.2	3,625
60 to 64 years .....	9,797	4,507	46.0	4,347	44.4	176	4,171	159	3.5	5,291
65 years and over .....	31,674	3,877	12.2	3,725	11.8	381	3,345	152	3.9	27,796
65 to 69 years .....	9,690	2,122	21.9	2,044	21.1	168	1,876	78	3.7	7,568
70 to 74 years .....	8,558	1,120	13.1	1,075	12.6	132	943	45	4.1	7,438
75 years and over .....	13,425	635	4.7	606	4.5	80	526	29	4.5	12,791
<b>Men</b>										
16 years and over .....	96,048	72,125	75.1	68,258	71.1	2,766	65,492	3,867	5.4	23,923
16 to 19 years .....	7,518	4,030	53.6	3,295	43.8	283	3,012	734	18.2	3,488
16 to 17 years .....	3,937	1,644	41.8	1,289	32.7	133	1,156	355	21.6	2,293
18 to 19 years .....	3,581	2,386	66.6	2,006	56.0	150	1,856	380	15.9	1,195
20 to 24 years .....	8,601	7,152	83.2	6,406	74.5	253	6,153	746	10.4	1,449
25 to 54 years .....	56,666	51,943	91.7	49,855	88.0	1,640	48,215	2,088	4.0	4,723
25 to 34 years .....	19,826	18,445	93.0	17,580	88.7	623	16,956	865	4.7	1,381
25 to 29 years .....	9,323	8,707	93.4	8,242	88.4	307	7,935	465	5.3	616
30 to 34 years .....	10,503	9,738	92.7	9,338	88.9	316	9,022	400	4.1	765
35 to 44 years .....	21,253	19,561	92.0	18,822	88.6	596	18,226	739	3.8	1,691
35 to 39 years .....	11,032	10,188	92.4	9,812	88.9	305	9,507	376	3.7	844
40 to 44 years .....	10,221	9,374	91.7	9,011	88.2	292	8,719	363	3.9	847
45 to 54 years .....	15,587	13,936	89.4	13,452	86.3	420	13,032	484	3.5	1,651
45 to 49 years .....	8,929	8,112	90.8	7,796	87.3	266	7,530	317	3.9	817
50 to 54 years .....	6,658	5,824	87.5	5,657	85.0	154	5,502	167	2.9	834
55 to 64 years .....	9,975	6,736	67.5	6,518	65.3	293	6,225	218	3.2	3,238
55 to 59 years .....	5,364	4,184	78.0	4,058	75.6	177	3,880	126	3.0	1,180
60 to 64 years .....	4,611	2,553	55.4	2,461	53.4	116	2,345	92	3.6	2,058
65 years and over .....	13,288	2,264	17.0	2,183	16.4	296	1,887	80	3.5	11,024
65 to 69 years .....	4,493	1,221	27.2	1,183	26.3	135	1,048	38	3.1	3,272
70 to 74 years .....	3,712	687	18.5	659	17.8	105	554	28	4.1	3,024
75 years and over .....	5,083	355	7.0	341	6.7	56	285	14	3.9	4,728
<b>Women</b>										
16 years and over .....	104,230	61,433	58.9	58,133	55.8	933	57,201	3,300	5.4	42,797
16 to 19 years .....	7,305	3,698	50.6	3,076	42.1	58	3,018	622	16.8	3,607
16 to 17 years .....	3,705	1,540	41.6	1,234	33.3	24	1,210	306	19.9	2,165
18 to 19 years .....	3,600	2,157	59.9	1,842	51.2	34	1,807	316	14.6	1,443
20 to 24 years .....	8,799	6,225	70.7	5,662	64.3	70	5,592	563	9.0	2,574
25 to 54 years .....	58,737	44,571	75.9	42,713	72.7	606	42,107	1,858	4.2	14,166
25 to 34 years .....	20,495	15,271	74.5	14,432	70.4	184	14,249	839	5.5	5,224
25 to 29 years .....	9,702	7,288	75.1	6,880	70.9	84	6,796	408	5.6	2,414
30 to 34 years .....	10,793	7,983	74.0	7,553	70.0	100	7,453	431	5.4	2,810
35 to 44 years .....	21,857	16,930	77.5	16,313	74.6	240	16,073	617	3.6	4,928
35 to 39 years .....	11,355	8,695	76.6	8,324	73.3	102	8,222	370	4.3	2,660
40 to 44 years .....	10,502	8,235	78.4	7,989	76.1	138	7,851	246	3.0	2,267
45 to 54 years .....	16,384	12,370	75.5	11,968	73.0	182	11,786	402	3.2	4,014
45 to 49 years .....	9,367	7,300	77.9	7,087	75.7	103	6,984	213	2.9	2,067
50 to 54 years .....	7,017	5,070	72.3	4,881	69.6	79	4,802	189	3.7	1,947
55 to 64 years .....	11,003	5,326	48.4	5,141	46.7	114	5,027	185	3.5	5,678
55 to 59 years .....	5,817	3,372	58.0	3,254	55.9	54	3,200	117	3.5	2,445
60 to 64 years .....	5,186	1,954	37.7	1,887	36.4	60	1,827	67	3.4	3,232
65 years and over .....	18,386	1,614	8.8	1,542	8.4	85	1,457	72	4.5	16,772
65 to 69 years .....	5,197	901	17.3	861	16.6	33	828	40	4.4	4,296
70 to 74 years .....	4,847	433	8.9	416	8.6	27	388	17	4.0	4,414
75 years and over .....	8,343	280	3.4	265	3.2	24	241	15	5.3	8,063

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-13. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

Age, sex, and race	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>WHITE</b>										
16 years and over .....	168,098	112,854	67.1	107,536	64.0	3,537	103,999	5,317	4.7	55,244
16 to 19 years .....	11,769	6,547	55.6	5,535	47.0	341	5,194	1,012	15.5	5,222
16 to 17 years .....	5,988	2,733	45.6	2,221	37.1	157	2,064	512	18.7	3,255
18 to 19 years .....	5,781	3,814	66.0	3,313	57.3	184	3,130	500	13.1	1,967
20 to 24 years .....	13,926	11,010	79.1	10,059	72.2	313	9,746	950	8.6	2,916
25 to 54 years .....	95,950	81,167	84.6	78,254	81.6	2,132	76,122	2,913	3.6	14,783
25 to 34 years .....	32,947	27,812	84.4	26,643	80.9	762	25,881	1,169	4.2	5,134
25 to 29 years .....	15,488	13,153	84.9	12,553	81.1	371	12,182	600	4.6	2,335
30 to 34 years .....	17,459	14,659	84.0	14,090	80.7	391	13,699	569	3.9	2,800
35 to 44 years .....	35,755	30,642	85.7	29,627	82.9	803	28,824	1,015	3.3	5,113
35 to 39 years .....	18,505	15,797	85.4	15,264	82.5	395	14,869	533	3.4	2,707
40 to 44 years .....	17,250	14,845	86.1	14,363	83.3	408	13,955	482	3.2	2,406
45 to 54 years .....	27,249	22,713	83.4	21,984	80.7	567	21,417	729	3.2	4,536
45 to 49 years .....	15,489	13,225	85.4	12,799	82.6	346	12,453	426	3.2	2,265
50 to 54 years .....	11,759	9,488	80.7	9,186	78.1	221	8,965	302	3.2	2,271
55 to 64 years .....	18,098	10,599	58.6	10,290	56.9	385	9,905	309	2.9	7,499
55 to 59 years .....	9,582	6,592	68.8	6,410	66.9	221	6,189	182	2.8	2,990
60 to 64 years .....	8,516	4,007	47.1	3,880	45.6	164	3,716	127	3.2	4,509
65 years and over .....	28,355	3,531	12.5	3,398	12.0	365	3,032	133	3.8	24,824
85 to 69 years .....	8,513	1,927	22.6	1,853	21.8	161	1,693	73	3.8	6,586
70 to 74 years .....	7,653	1,015	13.3	978	12.8	129	849	37	3.7	6,638
75 years and over .....	12,189	589	4.8	567	4.6	76	491	23	3.8	11,600
<b>Men</b>										
16 years and over .....	81,374	61,812	76.0	58,917	72.4	2,632	56,285	2,895	4.7	19,562
16 to 19 years .....	6,010	3,445	57.3	2,891	48.1	283	2,608	553	16.1	2,565
16 to 17 years .....	3,080	1,422	46.2	1,145	37.2	134	1,011	277	19.5	1,658
18 to 19 years .....	2,930	2,023	69.0	1,746	59.6	150	1,597	277	13.7	907
20 to 24 years .....	6,979	5,939	85.1	5,389	77.2	247	5,142	550	9.3	1,039
25 to 54 years .....	47,724	44,378	93.0	42,821	89.7	1,540	41,281	1,556	3.5	3,346
25 to 34 years .....	16,443	15,485	94.2	14,874	90.5	586	14,289	611	3.9	958
25 to 29 years .....	7,718	7,290	94.4	6,954	90.1	290	6,664	335	4.6	428
30 to 34 years .....	8,725	8,196	93.9	7,920	90.8	295	7,625	276	3.4	529
35 to 44 years .....	17,839	16,708	93.7	16,159	90.6	565	15,594	549	3.3	1,132
35 to 39 years .....	9,247	8,696	94.0	8,424	91.1	294	8,131	272	3.1	551
40 to 44 years .....	8,592	8,011	93.2	7,734	90.0	271	7,463	277	3.5	581
45 to 54 years .....	13,441	12,184	90.7	11,788	87.7	390	11,398	396	3.3	1,256
45 to 49 years .....	7,675	7,072	92.1	6,818	88.8	244	6,573	254	3.6	603
50 to 54 years .....	5,766	5,113	88.7	4,971	86.2	146	4,825	142	2.8	654
55 to 64 years .....	8,715	5,993	68.8	5,825	66.8	278	5,547	168	2.8	2,722
55 to 59 years .....	4,650	3,700	79.6	3,611	77.7	170	3,441	88	2.4	950
60 to 64 years .....	4,065	2,293	56.4	2,214	54.5	107	2,106	79	3.5	1,772
65 years and over .....	11,947	2,057	17.2	1,990	16.7	284	1,707	67	3.3	9,890
65 to 69 years .....	3,918	1,101	28.1	1,065	27.2	127	938	36	3.3	2,817
70 to 74 years .....	3,365	625	18.6	604	17.9	102	502	20	3.3	2,741
75 years and over .....	4,664	331	7.1	321	6.9	54	267	10	3.1	4,332
<b>Women</b>										
16 years and over .....	86,724	51,042	58.9	48,619	56.1	905	47,714	2,423	4.7	35,682
16 to 19 years .....	5,760	3,102	53.9	2,643	45.9	58	2,585	459	14.8	2,657
16 to 17 years .....	2,909	1,311	45.1	1,076	37.0	24	1,053	235	17.9	1,597
18 to 19 years .....	2,851	1,791	62.8	1,567	55.0	34	1,533	224	12.5	1,060
20 to 24 years .....	6,947	5,070	73.0	4,670	67.2	66	4,604	400	7.9	1,877
25 to 54 years .....	48,227	36,790	76.3	35,433	73.5	591	34,842	1,357	3.7	11,437
25 to 34 years .....	16,503	12,327	74.7	11,769	71.3	177	11,592	558	4.5	4,176
25 to 29 years .....	7,770	5,863	75.5	5,599	72.1	81	5,518	264	4.5	1,906
30 to 34 years .....	8,734	6,463	74.0	6,170	70.6	96	6,074	293	4.5	2,270
35 to 44 years .....	17,916	13,934	77.8	13,468	75.2	238	13,230	466	3.3	3,981
35 to 39 years .....	9,257	7,101	76.7	6,839	73.9	101	6,739	261	3.7	2,157
40 to 44 years .....	8,658	6,834	78.9	6,629	76.6	137	6,492	205	3.0	1,825
45 to 54 years .....	13,806	10,528	76.2	10,196	73.8	177	10,019	333	3.2	3,280
45 to 49 years .....	7,815	6,153	78.7	5,981	76.5	102	5,879	172	2.8	1,662
50 to 54 years .....	5,993	4,375	73.0	4,215	70.3	75	4,140	160	3.7	1,618
55 to 64 years .....	9,383	4,606	49.1	4,465	47.6	107	4,358	141	3.1	4,777
55 to 59 years .....	4,932	2,892	58.6	2,798	56.7	50	2,748	94	3.2	2,040
60 to 64 years .....	4,451	1,714	38.5	1,667	37.4	57	1,610	48	2.8	2,737
65 years and over .....	16,407	1,473	9.0	1,407	8.6	82	1,325	66	4.5	14,934
65 to 69 years .....	4,595	825	18.0	788	17.2	34	755	37	4.5	3,769
70 to 74 years .....	4,287	390	9.1	374	8.7	26	347	17	4.3	3,897
75 years and over .....	7,525	258	3.4	246	3.3	22	224	13	4.8	7,267

**A-13. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

Age, sex, and race	May 1996									
	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Percent of population	Employed				Unemployed		
			Total	Percent of population	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force		
<b>BLACK</b>										
16 years and over .....	23,549	15,080	64.0	13,571	57.6	99	13,472	1,510	10.0	8,469
16 to 19 years .....	2,339	941	40.2	647	27.6	-	647	295	31.3	1,398
16 to 17 years .....	1,221	344	28.2	223	18.2	-	223	121	35.3	877
18 to 19 years .....	1,118	597	53.4	424	37.9	-	424	173	29.0	521
20 to 24 years .....	2,516	1,754	69.7	1,460	58.0	6	1,453	294	16.8	763
25 to 54 years .....	13,985	11,107	79.4	10,268	73.4	76	10,192	839	7.6	2,878
25 to 34 years .....	5,325	4,331	81.3	3,873	72.7	34	3,839	457	10.6	995
25 to 29 years .....	2,552	2,091	81.9	1,858	72.8	14	1,845	232	11.1	461
30 to 34 years .....	2,773	2,240	80.8	2,015	72.7	21	1,994	225	10.1	533
35 to 44 years .....	5,283	4,234	80.1	3,958	74.9	20	3,938	276	6.5	1,049
35 to 39 years .....	2,798	2,247	80.3	2,079	74.3	8	2,072	168	7.5	550
40 to 44 years .....	2,486	1,987	79.9	1,879	75.6	12	1,867	108	5.4	499
45 to 54 years .....	3,377	2,542	75.3	2,436	72.1	21	2,415	106	4.2	835
45 to 49 years .....	1,996	1,551	77.7	1,482	74.3	17	1,465	69	4.5	444
50 to 54 years .....	1,381	991	71.7	954	69.1	4	949	37	3.7	390
55 to 64 years .....	2,105	1,015	48.2	953	45.3	11	941	63	6.2	1,089
55 to 59 years .....	1,135	670	59.1	624	55.0	7	617	46	6.9	465
60 to 64 years .....	970	345	35.6	329	33.9	4	325	16	4.8	625
65 years and over .....	2,603	263	10.1	244	9.4	5	239	19	7.3	2,340
65 to 69 years .....	930	156	16.7	151	16.2	3	148	5	3.2	774
70 to 74 years .....	665	76	11.5	68	10.2	-	68	8	10.8	589
75 years and over .....	1,008	31	3.1	25	2.5	2	23	6	( <sup>1</sup> )	977
<b>Men</b>										
16 years and over .....	10,549	7,273	68.9	6,483	61.5	86	6,398	789	10.8	3,277
16 to 19 years .....	1,150	465	40.4	311	27.0	-	311	154	33.1	685
16 to 17 years .....	612	159	26.0	92	15.0	-	92	67	42.2	453
18 to 19 years .....	538	306	56.8	219	40.7	-	219	87	28.4	232
20 to 24 years .....	1,150	876	76.1	714	62.1	4	710	161	18.4	275
25 to 54 years .....	6,315	5,284	83.7	4,861	77.0	67	4,793	424	8.0	1,031
25 to 34 years .....	2,384	2,095	87.9	1,881	78.9	30	1,851	214	10.2	289
25 to 29 years .....	1,129	1,018	90.2	911	80.7	12	899	107	10.5	111
30 to 34 years .....	1,256	1,077	85.8	970	77.2	18	952	107	10.0	179
35 to 44 years .....	2,415	1,997	82.7	1,843	76.3	19	1,823	154	7.7	418
35 to 39 years .....	1,274	1,054	82.7	972	76.3	8	964	83	7.8	220
40 to 44 years .....	1,140	942	82.7	871	76.4	12	859	72	7.6	198
45 to 54 years .....	1,516	1,192	78.6	1,137	75.0	18	1,119	55	4.6	324
45 to 49 years .....	901	729	80.9	689	76.4	16	673	40	5.5	172
50 to 54 years .....	615	463	75.3	448	72.9	19	446	15	3.2	152
55 to 64 years .....	912	504	55.3	468	51.3	12	456	36	7.2	408
55 to 59 years .....	496	321	64.7	293	59.1	7	286	28	8.6	175
60 to 64 years .....	416	184	44.1	175	42.0	5	170	9	4.7	233
65 years and over .....	1,022	144	14.1	130	12.7	3	127	14	9.7	879
65 to 69 years .....	450	87	19.4	84	18.7	3	81	3	3.2	363
70 to 74 years .....	247	44	17.9	37	14.9	-	37	7	( <sup>1</sup> )	203
75 years and over .....	325	12	3.8	9	2.6	-	9	4	( <sup>1</sup> )	312
<b>Women</b>										
16 years and over .....	13,000	7,808	60.1	7,087	54.5	13	7,075	721	9.2	5,192
16 to 19 years .....	1,190	477	40.1	336	28.2	-	336	141	29.5	713
16 to 17 years .....	609	185	30.4	131	21.5	-	131	54	29.4	424
18 to 19 years .....	580	291	50.2	205	35.3	-	205	86	29.6	289
20 to 24 years .....	1,366	878	64.3	746	54.6	2	743	132	15.1	488
25 to 54 years .....	7,670	5,823	75.9	5,407	70.5	8	5,399	416	7.1	1,848
25 to 34 years .....	2,941	2,236	76.0	1,992	67.7	4	1,988	243	10.9	705
25 to 29 years .....	1,423	1,073	75.4	948	66.6	2	945	125	11.7	351
30 to 34 years .....	1,517	1,163	76.6	1,045	68.9	2	1,043	118	10.1	355
35 to 44 years .....	2,869	2,237	78.0	2,116	73.8	1	2,115	121	5.4	631
35 to 39 years .....	1,523	1,193	78.3	1,108	72.7	-	1,108	85	7.1	330
40 to 44 years .....	1,346	1,044	77.6	1,008	74.9	1	1,008	36	3.5	301
45 to 54 years .....	1,861	1,350	72.5	1,299	69.8	3	1,295	51	3.8	511
45 to 49 years .....	1,095	822	75.1	793	72.5	1	792	29	3.5	272
50 to 54 years .....	766	527	68.9	505	66.0	2	504	22	4.2	239
55 to 64 years .....	1,193	511	42.9	485	40.6	-	485	27	5.2	682
55 to 59 years .....	639	349	54.7	331	51.8	-	331	19	5.4	289
60 to 64 years .....	554	162	29.2	154	27.8	-	154	8	4.8	392
65 years and over .....	1,581	119	7.5	114	7.2	2	112	5	4.3	1,462
65 to 69 years .....	479	68	14.3	66	13.8	-	66	2	( <sup>1</sup> )	411
70 to 74 years .....	418	32	7.6	31	7.4	-	31	1	( <sup>1</sup> )	386
75 years and over .....	684	19	2.8	17	2.4	2	14	2	( <sup>1</sup> )	665

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-14. 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 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
<b>TOTAL</b>								
Civilian noninstitutional population .....	198,286	200,278	87,691	88,530	96,141	96,925	14,454	14,823
Civilian labor force .....	131,739	133,558	67,312	68,095	56,885	57,735	7,542	7,727
Percent of population .....	66.4	66.7	76.8	76.9	59.2	59.6	52.2	52.1
Employed .....	124,554	126,391	64,101	64,963	54,307	55,058	6,147	6,371
Agriculture .....	3,558	3,698	2,379	2,482	879	875	300	341
Nonagricultural industries .....	120,996	122,693	61,722	62,480	53,428	54,183	5,846	6,030
Unemployed .....	7,185	7,166	3,212	3,133	2,578	2,677	1,395	1,356
Unemployment rate .....	5.5	5.4	4.8	4.6	4.5	4.6	18.5	17.6
Not in labor force .....	66,547	66,721	20,379	20,435	39,256	39,190	6,912	7,096
<b>White</b>								
Civilian noninstitutional population .....	166,708	168,098	74,786	75,365	80,491	80,964	11,432	11,769
Civilian labor force .....	111,494	112,854	57,653	58,367	47,426	47,939	6,415	6,547
Percent of population .....	66.9	67.1	77.1	77.4	58.9	59.2	56.1	55.6
Employed .....	106,116	107,536	55,176	56,026	45,539	45,976	5,400	5,535
Agriculture .....	3,285	3,537	2,166	2,349	835	847	284	341
Nonagricultural industries .....	102,831	103,999	53,011	53,677	44,704	45,129	5,116	5,194
Unemployed .....	5,378	5,317	2,477	2,341	1,886	1,964	1,015	1,012
Unemployment rate .....	4.8	4.7	4.3	4.0	4.0	4.1	15.8	15.5
Not in labor force .....	55,214	55,244	17,133	16,997	33,065	33,025	5,017	5,222
<b>Black</b>								
Civilian noninstitutional population .....	23,192	23,549	9,246	9,400	11,658	11,810	2,288	2,339
Civilian labor force .....	14,723	15,080	6,760	6,808	7,111	7,331	851	941
Percent of population .....	63.5	64.0	73.1	72.4	61.0	62.1	37.2	40.2
Employed .....	13,274	13,571	6,183	6,173	6,567	6,751	525	647
Agriculture .....	97	99	80	86	8	13	10	-
Nonagricultural industries .....	13,178	13,472	6,103	6,087	6,559	6,739	515	647
Unemployed .....	1,449	1,510	578	635	544	580	327	295
Unemployment rate .....	9.8	10.0	8.5	9.3	7.7	7.9	38.4	31.3
Not in labor force .....	8,469	8,469	2,486	2,592	4,547	4,479	1,436	1,398

**A-15. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin**

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time	Part time	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	16,096	7,900	49.1	6,831	1,356	5,476	1,069	425	643	13.5
16 to 19 years .....	11,421	5,206	45.6	4,382	478	3,904	824	266	558	15.8
20 to 24 years .....	4,675	2,694	57.6	2,450	878	1,571	245	160	85	9.1
High school .....	9,796	4,248	43.4	3,544	257	3,287	704	200	504	16.6
College .....	6,300	3,652	58.0	3,288	1,099	2,189	365	226	139	10.0
Full-time students .....	5,278	2,765	52.4	2,479	611	1,868	286	171	115	10.3
Part-time students .....	1,022	888	86.8	809	488	320	79	54	25	8.9
Men, 16 to 24 years .....	8,025	3,912	48.8	3,343	725	2,619	569	257	312	14.5
16 to 19 years .....	5,839	2,668	45.7	2,220	279	1,941	448	165	283	16.8
20 to 24 years .....	2,186	1,244	56.9	1,124	445	678	121	92	29	9.7
High school .....	5,111	2,227	43.6	1,844	146	1,697	383	131	252	17.2
College .....	2,914	1,685	57.8	1,500	578	921	186	126	59	11.0
Full-time students .....	2,447	1,263	51.6	1,125	323	801	138	96	43	11.0
Part-time students .....	468	422	90.3	375	255	120	47	31	17	11.2
Women, 16 to 24 years .....	8,071	3,988	49.4	3,488	631	2,857	500	168	332	12.5
18 to 19 years .....	5,582	2,538	45.5	2,162	198	1,963	376	101	275	14.8
20 to 24 years .....	2,489	1,450	58.2	1,326	433	893	124	67	56	8.5
High school .....	4,685	2,020	43.1	1,700	110	1,590	321	69	252	15.9
College .....	3,386	1,967	58.1	1,788	521	1,267	179	99	80	9.1
Full-time students .....	2,831	1,502	53.1	1,354	287	1,067	147	76	72	9.8
Part-time students .....	555	466	83.9	434	233	200	32	24	8	6.8
<b>White</b>										
Total, 16 to 24 years .....	12,635	6,664	52.7	5,816	1,110	4,707	847	332	515	12.7
16 to 19 years .....	9,065	4,495	49.6	3,835	416	3,419	660	207	453	14.7
20 to 24 years .....	3,569	2,169	60.8	1,981	694	1,287	187	125	62	8.6
Men .....	6,373	3,344	52.5	2,882	606	2,276	462	198	264	13.8
Women .....	6,262	3,320	53.0	2,935	504	2,431	385	134	251	11.6
High school .....	7,703	3,672	47.7	3,102	205	2,898	570	154	416	15.5
College .....	4,932	2,992	60.7	2,714	905	1,809	278	178	99	9.3
Full-time students .....	4,111	2,267	55.2	2,049	511	1,538	218	141	77	9.6
Part-time students .....	821	725	88.2	665	394	271	59	37	22	8.2
<b>Black</b>										
Total, 16 to 24 years .....	2,416	867	35.9	694	186	508	173	68	104	19.9
16 to 19 years .....	1,744	543	31.1	404	54	350	139	53	86	25.6
20 to 24 years .....	673	324	48.1	290	132	158	34	16	18	10.5
Men .....	1,130	386	34.2	304	84	220	82	43	39	21.3
Women .....	1,286	481	37.4	390	102	288	91	25	65	18.9
High school .....	1,582	444	28.0	332	40	292	112	41	71	25.2
College .....	834	423	50.7	362	146	216	61	28	33	14.5
Full-time students .....	676	297	44.0	253	64	189	44	13	31	14.7
Part-time students .....	158	126	79.5	109	81	27	17	15	2	13.8
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,815	686	37.8	544	158	386	142	54	88	20.7
16 to 19 years .....	1,352	410	30.3	307	60	247	103	29	74	25.1
20 to 24 years .....	463	276	59.6	237	98	139	39	25	14	14.2
Men .....	929	371	39.9	291	104	187	80	41	39	21.5
Women .....	886	315	35.6	253	54	199	62	13	49	19.7
High school .....	1,240	340	27.4	243	40	203	97	33	64	28.6
College .....	574	346	60.2	301	118	183	45	21	24	13.0
Full-time students .....	442	233	52.7	198	59	138	35	14	21	15.0
Part-time students .....	133	113	85.4	103	59	45	10	6	4	8.9

See footnotes at end of table.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-15. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
Total	Full time			Part time	Total	Looking for full-time work	Looking for part-time work			
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	16,128	13,204	81.9	11,608	9,339	2,269	1,597	1,416	181	12.1
16 to 19 years .....	3,402	2,522	74.1	1,989	1,339	650	532	451	81	21.1
20 to 24 years .....	12,725	10,683	83.9	9,618	8,000	1,619	1,064	965	100	10.0
Less than a high school diploma .....	4,017	2,538	63.2	1,972	1,479	493	566	491	75	22.3
High school graduates, no college .....	6,275	5,360	85.4	4,742	3,871	871	618	566	51	11.5
Less than a bachelor's degree .....	4,454	3,987	89.5	3,645	2,872	774	341	294	47	8.6
College graduates .....	1,382	1,320	95.5	1,248	1,116	131	72	64	8	5.4
Men, 16 to 24 years .....	8,095	7,269	89.8	6,358	5,473	886	911	840	71	12.5
16 to 19 years .....	1,679	1,362	81.1	1,076	804	271	286	245	42	21.0
20 to 24 years .....	6,415	5,908	92.1	5,283	4,668	615	625	595	30	10.6
Less than a high school diploma .....	2,101	1,677	79.8	1,341	1,104	237	336	306	30	20.0
High school graduates, no college .....	3,252	3,027	93.1	2,666	2,339	327	361	349	12	11.9
Less than a bachelor's degree .....	2,155	1,990	92.3	1,814	1,521	294	176	147	29	8.8
College graduates .....	587	576	98.1	537	509	28	39	38	1	6.7
Women, 16 to 24 years .....	8,033	5,935	73.9	5,249	3,866	1,383	686	576	110	11.6
16 to 19 years .....	1,723	1,160	67.3	914	534	379	246	207	40	21.2
20 to 24 years .....	6,310	4,775	75.7	4,336	3,332	1,004	439	369	70	9.2
Less than a high school diploma .....	1,916	861	45.0	631	375	256	230	185	45	26.7
High school graduates, no college .....	3,024	2,333	77.2	2,076	1,533	544	257	217	39	11.0
Less than a bachelor's degree .....	2,299	1,996	86.8	1,831	1,351	480	165	147	18	8.3
College graduates .....	795	744	93.6	711	607	103	33	26	7	4.5
<b>White</b>										
Total, 16 to 24 years .....	13,060	10,893	83.4	9,778	7,890	1,888	1,115	981	134	10.2
16 to 19 years .....	2,704	2,052	75.9	1,699	1,154	545	352	298	54	17.2
20 to 24 years .....	10,356	8,841	85.4	8,078	6,735	1,343	763	683	80	8.6
Men .....	6,615	6,040	91.3	5,398	4,680	718	642	594	48	10.6
Women .....	6,445	4,853	75.3	4,379	3,209	1,170	473	388	86	9.8
Less than a high school diploma .....	3,148	2,065	65.6	1,678	1,269	408	387	336	51	18.8
High school graduates, no college .....	5,027	4,338	86.3	3,928	3,220	709	409	371	39	9.4
Less than a bachelor's degree .....	3,671	3,333	90.8	3,080	2,426	654	253	215	38	7.6
College graduates .....	1,214	1,157	95.4	1,092	975	117	66	60	6	5.7
<b>Black</b>										
Total, 16 to 24 years .....	2,439	1,828	74.9	1,412	1,099	313	416	384	32	22.7
16 to 19 years .....	595	398	66.9	242	145	98	156	137	19	39.1
20 to 24 years .....	1,844	1,430	77.6	1,170	954	216	260	247	13	18.2
Men .....	1,170	954	81.5	721	586	135	233	217	16	24.5
Women .....	1,269	874	68.9	691	513	178	182	167	15	20.9
Less than a high school diploma .....	703	388	55.3	231	159	73	157	141	16	40.4
High school graduates, no college .....	1,034	836	80.9	649	510	140	186	174	13	22.3
Less than a bachelor's degree .....	613	516	84.1	443	351	92	73	70	3	14.1
College graduates .....	90	88	98.3	89	80	9	-	-	-	-
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,653	1,937	73.0	1,712	1,350	362	225	193	32	11.6
16 to 19 years .....	588	368	62.9	299	217	82	69	54	16	18.8
20 to 24 years .....	2,067	1,569	75.9	1,413	1,133	280	156	139	17	9.9
Men .....	1,376	1,249	90.8	1,102	903	199	146	133	13	11.7
Women .....	1,277	688	53.9	610	447	163	79	60	19	11.4
Less than a high school diploma .....	1,309	790	60.3	686	552	134	104	91	13	13.1
High school graduates, no college .....	892	737	82.6	646	509	136	91	77	14	12.3
Less than a bachelor's degree .....	406	369	91.0	341	255	86	28	23	5	7.6
College graduates .....	46	42	( <sup>1</sup> )	39	33	6	3	3	-	( <sup>1</sup> )

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and college students into that group. Detail for the above race and Hispanic-origin

groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-16. Employed and unemployed full- and part-time workers by age, sex, and race**

(In thousands)

Age, sex, and race	May 1996									
	Employed <sup>1</sup>							Unemployed		
	Full-time workers				Part-time workers				Looking for full-time work	Looking for part-time work
	Total	At work		Not at work	Total	At work <sup>2</sup>		Not at work		
35 hours or more		1 to 34 hours for economic or noneconomic reasons	Part time for economic reasons			Part time for noneconomic reasons				
<b>TOTAL</b>										
Total, 16 years and over .....	103,290	91,670	8,596	3,023	23,101	3,077	18,622	1,403	5,829	1,337
16 to 19 years .....	1,816	1,513	261	43	4,554	338	4,046	171	717	640
16 to 17 years .....	217	168	40	9	2,306	41	2,167	99	202	459
18 to 19 years .....	1,599	1,345	221	34	2,249	297	1,879	72	515	180
20 years and over .....	101,474	90,158	8,336	2,980	18,547	2,739	14,576	1,232	5,112	698
20 to 24 years .....	8,878	7,786	838	254	3,190	608	2,423	159	1,124	185
25 years and over .....	92,596	82,372	7,498	2,726	15,357	2,131	12,153	1,073	3,988	513
25 to 54 years .....	81,311	72,588	6,465	2,278	11,257	1,899	8,631	727	3,578	368
55 years and over .....	11,285	9,804	1,032	448	4,100	231	3,522	346	410	145
<b>Men, 16 years and over .....</b>	<b>60,908</b>	<b>55,002</b>	<b>4,318</b>	<b>1,589</b>	<b>7,350</b>	<b>1,305</b>	<b>5,692</b>	<b>353</b>	<b>3,309</b>	<b>558</b>
16 to 19 years .....	1,084	909	139	36	2,212	164	1,983	65	410	325
16 to 17 years .....	59,825	54,093	4,179	1,553	5,138	1,141	3,709	288	2,899	233
20 to 24 years .....	5,113	4,569	420	125	1,293	282	960	51	688	58
25 years and over .....	54,711	49,524	3,759	1,428	3,845	859	2,749	237	2,212	175
25 to 54 years .....	47,709	43,321	3,225	1,163	2,145	759	1,259	127	1,985	103
55 years and over .....	7,002	6,203	534	265	1,700	99	1,490	111	227	71
<b>Women, 16 years and over .....</b>	<b>42,382</b>	<b>36,669</b>	<b>4,279</b>	<b>1,434</b>	<b>15,752</b>	<b>1,772</b>	<b>12,930</b>	<b>1,050</b>	<b>2,520</b>	<b>779</b>
16 to 19 years .....	733	604	122	7	2,343	174	2,063	106	307	315
20 years and over .....	41,649	36,065	4,157	1,427	13,409	1,598	10,867	944	2,213	465
20 to 24 years .....	3,764	3,217	418	129	1,897	327	1,463	108	437	127
25 years and over .....	37,884	32,848	3,739	1,298	11,512	1,272	9,404	836	1,776	338
25 to 54 years .....	33,601	29,246	3,241	1,114	9,112	1,140	7,372	600	1,593	264
55 years and over .....	4,283	3,601	498	184	2,400	132	2,033	235	183	74
<b>White</b>										
<b>Men, 16 years and over .....</b>	<b>52,696</b>	<b>47,842</b>	<b>3,671</b>	<b>1,384</b>	<b>6,221</b>	<b>1,008</b>	<b>4,914</b>	<b>299</b>	<b>2,445</b>	<b>450</b>
16 to 19 years .....	949	827	85	27	1,942	120	1,772	50	285	268
20 years and over .....	51,747	46,815	3,575	1,357	4,279	888	3,142	248	2,159	182
20 to 24 years .....	4,337	3,861	366	109	1,052	243	766	43	506	44
25 years and over .....	47,410	42,953	3,209	1,248	3,227	645	2,376	205	1,654	138
25 to 54 years .....	41,127	37,406	2,716	1,005	1,694	567	1,025	102	1,480	76
55 years and over .....	6,283	5,548	492	243	1,533	78	1,352	103	173	61
<b>Women, 16 years and over .....</b>	<b>34,760</b>	<b>29,970</b>	<b>3,597</b>	<b>1,193</b>	<b>13,859</b>	<b>1,433</b>	<b>11,477</b>	<b>948</b>	<b>1,798</b>	<b>624</b>
16 to 19 years .....	621	519	96	6	2,023	134	1,798	90	220	239
20 years and over .....	34,140	29,452	3,500	1,187	11,836	1,299	9,680	858	1,578	386
20 to 24 years .....	3,092	2,634	340	118	1,578	254	1,229	95	302	98
25 years and over .....	31,047	26,818	3,160	1,069	10,258	1,044	8,451	763	1,276	288
25 to 54 years .....	27,352	23,746	2,705	901	8,082	934	6,606	541	1,125	231
55 years and over .....	3,696	3,073	456	168	2,176	110	1,845	222	151	56
<b>Black</b>										
<b>Men, 16 years and over .....</b>	<b>5,742</b>	<b>5,111</b>	<b>487</b>	<b>144</b>	<b>741</b>	<b>201</b>	<b>507</b>	<b>33</b>	<b>704</b>	<b>85</b>
16 to 19 years .....	108	61	38	9	203	33	162	8	107	47
20 years and over .....	5,635	5,050	449	135	538	168	345	26	597	38
20 to 24 years .....	562	519	38	5	152	30	120	2	153	9
25 years and over .....	5,073	4,531	412	130	386	138	224	23	444	30
25 to 54 years .....	4,581	4,073	384	125	279	124	139	16	404	20
55 years and over .....	491	458	28	5	107	14	85	8	40	10
<b>Women, 16 years and over .....</b>	<b>5,757</b>	<b>5,066</b>	<b>525</b>	<b>165</b>	<b>1,331</b>	<b>271</b>	<b>992</b>	<b>67</b>	<b>602</b>	<b>118</b>
16 to 19 years .....	91	65	25	1	245	36	202	8	82	58
20 years and over .....	5,666	5,001	501	164	1,086	236	791	59	520	60
20 to 24 years .....	524	459	58	8	221	65	154	3	110	22
25 years and over .....	5,141	4,542	443	156	864	171	637	57	410	38
25 to 54 years .....	4,700	4,146	408	146	707	156	506	45	391	24
55 years and over .....	441	398	35	10	158	15	131	12	18	13

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

status.

<sup>2</sup> Includes some persons at work 35 hours or more classified by their reason for working part time.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-17. Employed persons 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 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
Total .....	124,554	126,391	67,227	68,258	64,101	64,963	57,327	58,133	54,307	55,058
Managerial and professional specialty .....	35,273	36,339	18,422	18,660	18,306	18,580	16,851	17,680	16,713	17,547
Executive, administrative, and managerial .....	16,984	17,675	9,798	10,037	9,748	10,007	7,186	7,638	7,136	7,592
Officials and administrators, public administration .....	700	752	361	423	361	423	339	329	336	329
Other executive, administrative, and managerial .....	11,988	12,551	7,371	7,683	7,324	7,660	4,616	4,868	4,575	4,826
Management-related occupations .....	4,297	4,371	2,066	1,930	2,064	1,925	2,230	2,441	2,223	2,437
Professional specialty .....	18,289	18,665	8,624	8,623	8,558	8,573	9,665	10,042	9,577	9,956
Engineers .....	1,880	1,907	1,723	1,759	1,723	1,759	157	147	157	147
Mathematical and computer scientists .....	1,138	1,342	786	927	786	925	352	415	352	415
Natural scientists .....	538	570	396	417	396	417	142	153	142	153
Health diagnosing occupations .....	970	940	757	712	756	710	214	229	214	229
Health assessment and treating occupations .....	2,770	2,821	425	402	423	400	2,345	2,419	2,340	2,415
Teachers, college and university .....	937	941	543	538	540	535	394	404	393	400
Teachers, except college and university .....	4,794	4,791	1,209	1,220	1,190	1,212	3,585	3,571	3,537	3,534
Lawyers and judges .....	871	786	628	548	628	548	243	237	241	237
Other professional specialty occupations .....	4,392	4,567	2,158	2,100	2,116	2,067	2,233	2,468	2,201	2,425
Technical, sales, and administrative support .....	37,189	37,417	13,405	13,552	12,757	12,886	23,784	23,865	22,297	22,255
Technicians and related support .....	3,896	3,788	1,941	1,831	1,928	1,796	1,955	1,957	1,941	1,941
Health technologists and technicians .....	1,643	1,563	374	349	371	347	1,269	1,215	1,262	1,208
Engineering and science technicians .....	1,126	1,131	880	847	872	823	246	284	241	279
Technicians, except health, engineering, and science .....	1,127	1,094	687	635	685	626	440	459	437	455
Sales occupations .....	14,974	15,215	7,705	7,808	7,244	7,372	7,269	7,406	6,287	6,330
Supervisors and proprietors .....	4,528	4,501	2,776	2,848	2,760	2,834	1,752	1,653	1,726	1,632
Sales representatives, finance and business services .....	2,386	2,540	1,388	1,492	1,376	1,463	998	1,048	982	1,024
Sales representatives, commodities, except retail .....	1,585	1,500	1,257	1,145	1,256	1,139	328	355	324	335
Sales workers, retail and personal services .....	6,397	6,603	2,266	2,303	1,834	1,915	4,131	4,300	3,196	3,291
Sales-related occupations .....	78	71	18	20	18	21	60	50	59	48
Administrative support, including clerical .....	18,318	18,414	3,759	3,912	3,585	3,718	14,560	14,502	14,069	13,984
Supervisors .....	686	680	290	265	290	264	396	415	389	414
Computer equipment operators .....	498	391	200	166	196	163	298	225	289	213
Secretaries, stenographers, and typists .....	4,091	3,956	75	72	74	71	4,016	3,884	3,927	3,787
Financial records processing .....	2,263	2,228	152	187	151	184	2,111	2,041	2,090	2,028
Mail and message distributing .....	1,049	1,061	666	700	645	679	383	362	374	349
Other administrative support, including clerical .....	9,732	10,098	2,376	2,523	2,229	2,357	7,356	7,575	6,999	7,192
Service occupations .....	16,953	17,329	6,672	7,156	5,702	6,153	10,280	10,174	9,180	9,121
Private household .....	712	746	20	36	15	26	692	710	629	603
Protective service .....	2,194	2,100	1,860	1,798	1,830	1,767	334	302	314	289
Service, except private household and protective .....	14,047	14,483	4,792	5,321	3,858	4,359	9,255	9,162	8,236	8,229
Food service .....	5,870	6,070	2,391	2,725	1,695	1,957	3,479	3,345	2,742	2,685
Health service .....	2,345	2,369	287	319	262	318	2,059	2,049	1,978	1,976
Cleaning and building service .....	2,900	3,218	1,536	1,754	1,416	1,628	1,363	1,464	1,298	1,419
Personal service .....	2,932	2,827	578	523	485	456	2,354	2,304	2,219	2,149
Precision production, craft, and repair .....	13,465	13,372	12,260	12,125	12,029	11,883	1,205	1,247	1,172	1,212
Mechanics and repairers .....	4,371	4,442	4,191	4,255	4,119	4,173	180	187	174	185
Construction trades .....	5,060	5,032	4,946	4,872	4,835	4,749	113	160	107	151
Other precision production, craft, and repair .....	4,034	3,898	3,123	2,998	3,075	2,961	912	900	890	876
Operators, fabricators, and laborers .....	17,899	18,181	13,460	13,729	12,625	12,758	4,440	4,452	4,219	4,280
Machine operators, assemblers, and inspectors .....	7,933	7,756	4,975	4,806	4,830	4,657	2,958	2,950	2,852	2,893
Transportation and material moving occupations .....	5,153	5,330	4,617	4,837	4,508	4,723	536	493	525	485
Motor vehicle operators .....	3,924	4,063	3,453	3,618	3,364	3,519	471	445	462	439
Other transportation and material moving occupations .....	1,229	1,267	1,163	1,218	1,144	1,205	65	48	63	46
Handlers, equipment cleaners, helpers, and laborers .....	4,813	5,095	3,868	4,086	3,287	3,377	945	1,009	843	902
Construction laborers .....	715	795	690	765	648	700	25	30	24	27
Other handlers, equipment cleaners, helpers, and laborers .....	4,098	4,300	3,178	3,321	2,639	2,678	920	979	819	875
Farming, forestry, and fishing .....	3,775	3,752	3,008	3,037	2,680	2,702	767	715	727	643
Farm operators and managers .....	1,512	1,297	1,128	1,012	1,081	1,004	384	285	374	284
Other farming, forestry, and fishing occupations .....	2,263	2,456	1,880	2,025	1,599	1,698	383	430	353	358

A-18. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	124,554	126,391	67,227	68,258	57,327	58,133
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	28.3	28.8	27.4	27.3	29.4	30.4
Executive, administrative, and managerial .....	13.6	14.0	14.6	14.7	12.5	13.1
Professional specialty .....	14.7	14.8	12.8	12.6	16.9	17.3
Technical, sales, and administrative support .....	29.9	29.6	19.9	19.9	41.5	41.1
Technicians and related support .....	3.1	3.0	2.9	2.7	3.4	3.4
Sales occupations .....	12.0	12.0	11.5	11.4	12.7	12.7
Administrative support, including clerical .....	14.7	14.6	5.6	5.7	25.4	24.9
Service occupations .....	13.6	13.7	9.9	10.5	17.9	17.5
Private household .....	.6	.6	( <sup>1</sup> )	.1	1.2	1.2
Protective service .....	1.8	1.7	2.8	2.6	.6	.5
Service, except private household and protective .....	11.3	11.5	7.1	7.8	16.1	15.8
Precision production, craft, and repair .....	10.8	10.6	18.2	17.8	2.1	2.1
Operators, fabricators, and laborers .....	14.4	14.4	20.0	20.1	7.7	7.7
Machine operators, assemblers, and inspectors .....	6.4	6.1	7.4	7.0	5.2	5.1
Transportation and material moving occupations .....	4.1	4.2	6.9	7.1	.9	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.9	4.0	5.8	6.0	1.6	1.7
Farming, forestry, and fishing .....	3.0	3.0	4.5	4.4	1.3	1.2
<b>White</b>						
Total, 16 years and over (thousands) .....	106,116	107,536	57,960	58,917	48,156	48,619
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	29.5	29.8	28.6	28.3	30.7	31.7
Executive, administrative, and managerial .....	14.4	14.7	15.5	15.4	13.1	13.8
Professional specialty .....	15.1	15.2	13.1	12.8	17.6	18.0
Technical, sales, and administrative support .....	30.1	29.7	20.2	19.9	42.1	41.5
Technicians and related support .....	3.1	2.9	2.9	2.6	3.4	3.3
Sales occupations .....	12.5	12.5	12.1	12.0	13.0	13.0
Administrative support, including clerical .....	14.5	14.3	5.2	5.2	25.8	25.2
Service occupations .....	12.5	12.5	8.9	9.4	16.8	16.3
Private household .....	.5	.5	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.2
Protective service .....	1.7	1.5	2.7	2.5	.4	.4
Service, except private household and protective .....	10.3	10.5	6.2	6.9	15.2	14.8
Precision production, craft, and repair .....	11.2	11.1	18.8	18.5	2.0	2.1
Operators, fabricators, and laborers .....	13.4	13.6	18.9	19.1	6.9	6.9
Machine operators, assemblers, and inspectors .....	5.9	5.7	7.0	6.7	4.5	4.4
Transportation and material moving occupations .....	4.0	4.1	6.5	6.8	.9	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.6	3.8	5.3	5.6	1.5	1.7
Farming, forestry, and fishing .....	3.2	3.3	4.7	4.9	1.5	1.4
<b>Black</b>						
Total, 16 years and over (thousands) .....	13,274	13,571	6,413	6,483	6,862	7,087
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	19.5	19.3	17.3	16.5	21.5	22.0
Executive, administrative, and managerial .....	8.9	8.6	8.5	8.0	9.3	9.2
Professional specialty .....	10.6	10.7	8.8	8.5	12.2	12.7
Technical, sales, and administrative support .....	28.8	29.0	18.0	17.6	38.8	39.4
Technicians and related support .....	2.9	2.9	2.4	2.4	3.3	3.4
Sales occupations .....	8.9	8.7	7.0	6.2	10.7	10.9
Administrative support, including clerical .....	16.9	17.3	8.6	8.9	24.7	25.0
Service occupations .....	21.6	22.1	17.3	18.8	25.6	25.1
Private household .....	.8	.8	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.6
Protective service .....	2.9	3.0	4.3	4.7	1.6	1.4
Service, except private household and protective .....	17.9	18.3	13.0	14.1	22.5	22.1
Precision production, craft, and repair .....	8.0	7.4	14.4	13.0	2.0	2.2
Operators, fabricators, and laborers .....	21.0	21.3	30.7	32.4	11.9	11.2
Machine operators, assemblers, and inspectors .....	9.2	9.2	10.4	10.4	8.2	8.1
Transportation and material moving occupations .....	6.2	6.0	11.2	11.3	1.5	1.1
Handlers, equipment cleaners, helpers, and laborers .....	5.6	6.1	9.1	10.7	2.2	1.9
Farming, forestry, and fishing .....	1.2	.9	2.3	1.8	.2	.2

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-19. Employed persons by industry and occupation**

(In thousands)

Industry	May 1996												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,698	110	88	49	30	184	-	32	57	5	28	19	3,097
Mining .....	549	88	49	27	5	45	-	10	186	22	104	13	-
Construction .....	7,843	1,225	152	54	68	459	-	25	4,332	95	545	864	23
Manufacturing .....	20,221	2,814	1,877	611	736	2,009	-	254	3,768	6,236	745	1,086	85
Durable goods .....	11,988	1,679	1,159	419	327	1,118	-	134	2,668	3,457	410	538	78
Nondurable goods .....	8,233	1,136	718	191	409	891	-	120	1,100	2,778	335	549	6
Transportation and public utilities .....	8,855	1,217	539	293	334	2,306	-	214	1,117	135	2,138	555	7
Wholesale and retail trade .....	26,418	2,399	496	150	10,859	2,334	-	5,171	1,448	326	1,126	1,993	116
Wholesale trade .....	4,956	554	109	49	2,003	745	-	42	318	147	526	395	68
Retail trade .....	21,462	1,846	387	101	8,856	1,589	-	5,129	1,129	178	600	1,598	47
Finance, insurance, and real estate .....	8,077	2,261	232	133	2,047	2,831	-	301	160	20	21	28	43
Services .....	44,881	6,174	14,339	2,261	1,112	6,882	746	8,967	2,070	893	582	490	364
Private households .....	880	6	10	-	-	1	746	51	2	-	-	13	50
Other service industries .....	44,001	6,168	14,329	2,261	1,112	6,881	-	8,916	2,068	893	582	476	314
Professional services .....	30,210	3,808	12,750	1,898	193	5,099	-	5,358	438	187	319	86	73
Public administration .....	5,850	1,385	895	210	23	1,365	-	1,608	232	25	41	48	18

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

A-20. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker

(In thousands)

Age and sex	May 1996									
	Agriculture			Nonagricultural industries						
	Wage and salary workers	Self-employed workers	Unpaid family workers	Wage and salary workers					Self-employed workers	Unpaid family workers
				Total	Private industries			Government		
Total	Private household workers	Other private industries								
Total, 16 years and over .....	2,130	1,517	51	113,630	95,063	873	94,190	18,567	8,940	123
16 to 19 years .....	284	35	22	5,914	5,697	141	5,556	216	95	21
16 to 17 years .....	120	25	12	2,305	2,250	81	2,169	55	48	13
18 to 19 years .....	164	10	10	3,609	3,448	60	3,387	161	47	8
20 to 24 years .....	279	42	2	11,412	10,510	86	10,424	902	311	22
25 to 34 years .....	575	219	13	29,508	25,596	137	25,460	3,912	1,677	20
35 to 44 years .....	433	396	7	31,452	25,697	178	25,519	5,755	2,827	20
45 to 54 years .....	298	302	3	22,621	17,315	156	17,159	5,307	2,168	29
55 to 64 years .....	153	253	2	10,009	7,958	114	7,844	2,051	1,234	8
65 years and over .....	108	271	2	2,713	2,289	61	2,228	424	628	4
Men, 16 years and over .....	1,607	1,127	32	60,055	51,724	104	51,621	8,331	5,387	50
16 to 19 years .....	240	29	15	2,949	2,855	27	2,828	94	50	-
16 to 17 years .....	102	23	9	1,122	1,085	23	1,062	37	24	9
18 to 19 years .....	138	6	6	1,826	1,770	4	1,766	57	26	-
20 to 24 years .....	211	39	3	5,935	5,532	6	5,525	404	207	11
25 to 34 years .....	442	170	11	15,999	14,206	20	14,186	1,793	954	4
35 to 44 years .....	314	280	-	16,543	14,095	13	14,082	2,448	1,673	10
45 to 54 years .....	218	203	-	11,726	9,302	18	9,283	2,424	1,300	6
55 to 64 years .....	103	190	-	5,425	4,454	9	4,445	971	797	3
65 years and over .....	79	216	1	1,478	1,282	11	1,271	196	407	2
Women, 16 years and over .....	523	390	19	53,575	43,339	769	42,569	10,236	3,553	73
16 to 19 years .....	44	6	8	2,965	2,843	115	2,728	122	45	7
16 to 17 years .....	18	2	-	1,183	1,165	58	1,106	18	24	3
18 to 19 years .....	26	4	4	1,782	1,678	56	1,622	104	21	4
20 to 24 years .....	68	3	-	5,477	4,978	79	4,899	499	104	11
25 to 34 years .....	132	49	2	13,510	11,391	117	11,274	2,119	723	16
35 to 44 years .....	119	116	6	14,909	11,602	165	11,437	3,307	1,155	9
45 to 54 years .....	80	99	3	10,895	8,013	138	7,875	2,882	868	22
55 to 64 years .....	50	63	2	4,584	3,504	105	3,399	1,080	437	6
65 years and over .....	30	55	-	1,235	1,008	51	957	228	220	2



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-21. Persons at work in agriculture and nonagricultural industries by hours of work**

Hours of work	May 1996					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	121,965	3,537	118,428	100.0	100.0	100.0
1 to 34 hours .....	29,395	988	28,408	24.1	27.9	24.0
1 to 4 hours .....	1,216	76	1,140	1.0	2.1	1.0
5 to 14 hours .....	4,687	243	4,445	3.8	6.9	3.8
15 to 29 hours .....	14,918	483	14,435	12.2	13.7	12.2
30 to 34 hours .....	8,574	186	8,389	7.0	5.2	7.1
35 hours and over .....	92,570	2,550	90,020	75.9	72.1	76.0
35 to 39 hours .....	8,847	188	8,659	7.3	5.3	7.3
40 hours .....	44,765	803	43,961	36.7	22.7	37.1
41 hours and over .....	38,958	1,558	37,400	31.9	44.0	31.6
41 to 48 hours .....	14,303	280	14,023	11.7	7.9	11.8
49 to 59 hours .....	13,999	389	13,609	11.5	11.0	11.5
60 hours and over .....	10,657	889	9,768	8.7	25.1	8.2
Average hours, total at work .....	39.6	43.5	39.5	-	-	-
Average hours, persons who usually work full time .....	43.7	50.3	43.5	-	-	-

NOTE: Detail on persons at work in tables A-21 through A-25 may not sum to the totals shown because of minor editing problems associated with the redesigned survey.

**A-22. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than 35 hours and usual full- or part-time status**

(Numbers in thousands)

Reason for working less than 35 hours	May 1996					
	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 .....	29,395	8,596	20,799	28,408	8,340	20,068
Economic reasons .....	4,175	1,296	2,879	4,003	1,212	2,791
Slack work or business conditions .....	2,150	1,012	1,138	2,057	954	1,102
Could only find part-time work .....	1,705	-	1,705	1,658	-	1,658
Seasonal work .....	75	39	36	55	25	30
Job started or ended during week .....	245	245	-	233	233	-
Noneconomic reasons .....	25,221	7,301	17,920	24,405	7,128	17,277
Child-care problems .....	843	58	786	828	56	772
Other family or personal obligations .....	5,711	730	4,981	5,537	702	4,835
Health or medical limitations .....	604	-	604	578	-	578
In school or training .....	6,007	117	5,890	5,809	116	5,694
Retired or Social Security limit on earnings .....	1,918	-	1,918	1,791	-	1,791
Vacation or personal day .....	3,325	3,325	-	3,265	3,265	-
Holiday, legal or religious .....	51	51	-	51	51	-
Weather-related curtailment .....	311	311	-	267	267	-
All other reasons .....	6,450	2,708	3,742	6,278	2,671	3,607
Average hours:						
Economic reasons .....	22.7	24.0	22.0	22.8	24.2	22.1
Other reasons .....	21.3	25.8	19.4	21.4	25.9	19.5

A-23. Persons at work in nonagricultural industries by class of worker and usual full- or part-time status

(Numbers in thousands)

Industry and class of worker	May 1996							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
Total 16 years and over .....	118,428	28,408	4,003	7,128	17,277	90,020	39.5	43.5
Wage and salary workers .....	109,865	25,701	3,594	6,617	15,489	84,164	39.4	43.2
Mining .....	504	27	3	15	8	478	50.3	51.0
Construction .....	6,210	1,090	286	481	323	5,121	41.1	42.9
Manufacturing .....	19,216	2,224	309	1,236	679	16,992	42.7	43.6
Durable goods .....	11,393	1,139	108	719	312	10,254	43.2	43.9
Nondurable goods .....	7,823	1,085	200	518	367	6,737	41.8	43.1
Transportation and public utilities .....	8,111	1,258	211	510	537	6,853	42.1	44.0
Wholesale and retail trade .....	23,781	7,978	1,242	1,030	5,705	15,804	37.2	43.8
Finance, insurance, and real estate .....	7,202	1,300	114	457	729	5,902	40.4	42.9
Service industries .....	39,167	10,923	1,371	2,334	7,218	28,244	37.9	42.7
Private households .....	849	473	86	28	359	376	28.5	43.5
All other industries .....	38,318	10,450	1,285	2,306	6,859	27,868	38.1	42.7
Public administration .....	5,672	902	58	553	290	4,770	40.6	42.0
Self-employed workers .....	8,440	2,652	401	506	1,744	5,788	40.2	47.3
Unpaid family workers .....	123	55	8	4	43	68	33.7	( <sup>1</sup> )

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-24. Persons at work in nonagricultural industries by age, sex, race, marital status, and usual full- or part-time status**

(Numbers in thousands)

Age, sex, race, and marital status	May 1996							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
<b>TOTAL</b>								
Total, 16 years and over .....	118,428	28,408	4,003	7,128	17,277	90,020	39.5	43.5
16 to 19 years .....	5,827	4,326	382	170	3,775	1,500	23.8	39.7
16 to 17 years .....	2,263	2,090	54	22	2,014	174	17.5	38.4
18 to 19 years .....	3,563	2,236	328	147	1,761	1,327	27.8	39.9
20 years and over .....	112,601	24,082	3,621	6,958	13,502	88,520	40.3	43.6
20 to 24 years .....	11,339	3,652	734	643	2,275	7,688	36.6	41.8
25 years and over .....	101,262	20,430	2,887	6,316	11,227	80,832	40.7	43.7
25 to 54 years .....	87,409	16,083	2,533	5,503	8,047	71,326	41.3	43.8
55 years and over .....	13,853	4,347	354	813	3,180	9,506	37.0	43.0
<b>Men, 16 years and over</b> .....	<b>63,660</b>	<b>10,396</b>	<b>1,805</b>	<b>3,476</b>	<b>5,115</b>	<b>53,264</b>	<b>42.5</b>	<b>45.1</b>
16 to 19 years .....	2,923	2,060	190	82	1,788	863	24.6	40.2
16 to 17 years .....	1,125	1,016	34	3	979	109	17.7	40.4
18 to 19 years .....	1,798	1,044	156	79	809	754	28.9	40.1
20 years and over .....	60,737	8,337	1,615	3,394	3,327	52,401	43.4	45.2
20 to 24 years .....	5,980	1,556	369	297	891	4,424	38.8	43.0
25 years and over .....	54,757	6,780	1,246	3,098	2,436	47,977	43.9	45.4
25 to 54 years .....	46,989	4,912	1,092	2,684	1,135	42,077	44.6	45.5
55 years and over .....	7,769	1,869	155	413	1,301	5,900	39.7	44.4
<b>Women, 16 years and over</b> .....	<b>54,768</b>	<b>18,011</b>	<b>2,198</b>	<b>3,652</b>	<b>12,162</b>	<b>36,757</b>	<b>35.9</b>	<b>41.2</b>
16 to 19 years .....	2,904	2,266	191	88	1,987	637	23.0	39.2
16 to 17 years .....	1,139	1,074	19	20	1,035	65	17.2	35.8
18 to 19 years .....	1,765	1,193	172	68	952	573	26.7	39.6
20 years and over .....	51,864	15,745	2,006	3,564	10,175	36,119	36.6	41.3
20 to 24 years .....	5,359	2,095	365	346	1,384	3,264	34.1	40.1
25 years and over .....	46,505	13,649	1,641	3,218	8,791	32,855	36.9	41.4
25 to 54 years .....	40,421	11,171	1,441	2,818	6,911	29,249	37.4	41.5
55 years and over .....	6,084	2,478	199	400	1,879	3,606	33.6	40.8
<b>Race</b>								
<b>White, 16 years and over</b> .....	<b>100,334</b>	<b>24,353</b>	<b>3,203</b>	<b>6,017</b>	<b>15,133</b>	<b>75,981</b>	<b>39.6</b>	<b>43.8</b>
Men .....	54,710	8,737	1,417	2,955	4,365	45,973	42.9	45.4
Women .....	45,625	15,616	1,786	3,062	10,768	30,009	35.7	41.4
<b>Black, 16 years and over</b> .....	<b>13,061</b>	<b>2,880</b>	<b>604</b>	<b>836</b>	<b>1,440</b>	<b>10,182</b>	<b>38.3</b>	<b>41.2</b>
Men .....	6,219	1,148	270	390	488	5,071	40.0	42.4
Women .....	6,843	1,732	334	447	952	5,110	36.9	40.1
<b>Marital status</b>								
<b>Men, 16 years and over:</b>								
Married, spouse present .....	39,888	4,508	737	2,153	1,618	35,380	44.5	45.8
Widowed, divorced, or separated .....	7,116	990	209	460	320	6,126	43.3	44.8
Single (never married) .....	16,656	4,899	859	863	3,177	11,758	37.6	43.1
<b>Women, 16 years and over:</b>								
Married, spouse present .....	30,390	10,044	908	2,075	7,062	20,346	35.9	41.1
Widowed, divorced, or separated .....	10,912	2,748	513	821	1,414	8,164	38.1	41.4
Single (never married) .....	13,466	5,219	777	756	3,686	8,247	34.2	41.3

A-25. Persons at work in nonfarm occupations by sex and usual full- or part-time status

(Numbers in thousands)

Occupation and sex	May 1996							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
Total, 16 years and over <sup>1</sup> .....	118,358	28,390	3,983	7,132	17,275	89,968	39.5	43.5
Managerial and professional specialty .....	35,137	6,227	638	2,100	3,490	28,910	42.3	45.1
Executive, administrative, and managerial .....	17,171	2,353	227	1,040	1,086	14,818	44.0	45.8
Professional specialty .....	17,967	3,875	411	1,060	2,403	14,092	40.6	44.4
Technical, sales, and administrative support .....	36,077	10,140	1,080	2,245	6,815	25,936	37.7	42.5
Technicians and related support .....	3,643	773	77	260	435	2,871	39.2	42.1
Sales occupations .....	14,640	4,381	527	682	3,173	10,259	38.9	45.3
Administrative support, including clerical .....	17,793	4,987	476	1,303	3,207	12,807	36.4	40.4
Service occupations .....	16,588	6,614	1,095	797	4,723	9,973	34.6	42.3
Private household .....	724	407	71	28	308	316	28.9	43.0
Protective service .....	2,006	271	23	77	171	1,735	43.1	45.7
Service, except private household and protective .....	13,858	5,936	1,000	693	4,244	7,922	33.7	41.5
Precision production, craft, and repair .....	12,979	1,775	426	857	493	11,204	42.1	43.4
Operators, fabricators, and laborers .....	17,577	3,632	745	1,133	1,755	13,944	40.3	43.1
Machine operators, assemblers, and inspectors .....	7,499	1,128	240	516	372	6,371	40.9	42.2
Transportation and material moving occupations .....	5,164	889	167	276	446	4,275	43.7	46.4
Handlers, equipment cleaners, helpers, and laborers .....	4,913	1,615	337	340	937	3,299	36.0	40.9
Men, 16 years and over <sup>1</sup> .....	63,391	10,314	1,777	3,472	5,064	53,077	42.6	45.1
Managerial and professional specialty .....	18,180	2,014	224	930	860	16,166	45.6	47.2
Executive, administrative, and managerial .....	9,809	882	96	455	331	8,927	46.7	47.9
Professional specialty .....	8,371	1,132	128	474	529	7,239	44.3	46.3
Technical, sales, and administrative support .....	13,221	2,270	237	697	1,335	10,951	42.4	45.4
Technicians and related support .....	1,776	255	32	131	92	1,521	41.9	43.5
Sales occupations .....	7,630	1,280	101	304	875	6,350	43.9	47.5
Administrative support, including clerical .....	3,815	735	105	263	368	3,081	39.5	42.2
Service occupations .....	6,887	2,042	414	280	1,348	4,845	37.6	43.6
Private household .....	36	22	8	8	6	14	( <sup>2</sup> )	( <sup>2</sup> )
Protective service .....	1,719	185	17	57	110	1,534	44.2	46.2
Service, except private household and protective .....	5,132	1,835	389	214	1,232	3,297	35.5	42.5
Precision production, craft, and repair .....	11,793	1,534	395	772	367	10,259	42.5	43.5
Operators, fabricators, and laborers .....	13,309	2,454	507	793	1,154	10,855	41.4	44.0
Machine operators, assemblers, and inspectors .....	4,650	519	87	289	143	4,131	42.4	43.3
Transportation and material moving occupations .....	4,687	677	145	246	286	4,010	44.6	46.6
Handlers, equipment cleaners, helpers, and laborers .....	3,972	1,258	275	258	725	2,714	36.5	41.4
Women, 16 years and over <sup>1</sup> .....	54,967	18,076	2,205	3,660	12,211	36,891	35.9	41.3
Managerial and professional specialty .....	16,958	4,214	414	1,170	2,630	12,744	38.7	42.6
Executive, administrative, and managerial .....	7,362	1,471	131	584	756	5,891	40.4	42.9
Professional specialty .....	9,596	2,743	283	586	1,874	6,853	37.5	42.3
Technical, sales, and administrative support .....	22,855	7,870	843	1,548	5,480	14,985	35.0	40.4
Technicians and related support .....	1,868	518	45	130	343	1,350	36.7	40.6
Sales occupations .....	7,010	3,101	426	378	2,297	3,909	33.4	41.8
Administrative support, including clerical .....	13,978	4,252	371	1,041	2,840	9,726	35.5	39.8
Service occupations .....	9,701	4,573	681	517	3,375	5,128	32.5	41.0
Private household .....	688	386	63	20	303	302	28.9	43.5
Protective service .....	287	86	6	19	61	201	36.2	41.9
Service, except private household and protective .....	8,726	4,101	611	478	3,012	4,625	32.6	40.8
Precision production, craft, and repair .....	1,186	241	31	85	126	945	38.9	41.7
Operators, fabricators, and laborers .....	4,267	1,178	237	340	601	3,090	37.0	40.1
Machine operators, assemblers, and inspectors .....	2,849	609	153	227	228	2,240	38.4	40.3
Transportation and material moving occupations .....	477	212	22	30	160	265	34.5	41.9
Handlers, equipment cleaners, helpers, and laborers .....	941	357	62	82	212	584	33.9	38.8

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-26. Unemployed persons by marital status, race, age, and sex**

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
Total, 16 years and over .....	3,961	3,867	5.6	5.4	3,224	3,300	5.3	5.4
Married, spouse present .....	1,378	1,225	3.2	2.8	1,134	1,112	3.4	3.3
Widowed, divorced, or separated .....	559	563	7.0	6.8	716	691	6.0	5.7
Single (never married) .....	2,024	2,079	10.3	10.4	1,374	1,497	9.1	9.6
White, 16 years and over .....	3,011	2,895	4.9	4.7	2,367	2,423	4.7	4.7
Married, spouse present .....	1,133	985	3.0	2.5	924	946	3.2	3.2
Widowed, divorced, or separated .....	445	410	6.7	6.0	544	506	5.7	5.2
Single (never married) .....	1,433	1,500	9.0	9.2	898	971	7.7	8.2
Black, 16 years and over .....	765	789	10.7	10.8	684	721	9.1	9.2
Married, spouse present .....	161	173	4.9	5.2	132	95	5.0	3.6
Widowed, divorced, or separated .....	93	132	8.5	12.0	143	161	7.1	7.6
Single (never married) .....	511	484	18.2	17.1	410	464	14.1	15.1
Total, 25 years and over .....	2,548	2,387	4.2	3.9	2,039	2,114	4.0	4.1
Married, spouse present .....	1,296	1,140	3.1	2.7	973	1,009	3.1	3.2
Widowed, divorced, or separated .....	545	526	7.0	6.6	661	648	5.7	5.5
Single (never married) .....	707	720	6.9	6.9	405	457	5.5	5.9
White, 25 years and over .....	2,013	1,791	3.9	3.4	1,506	1,564	3.6	3.6
Married, spouse present .....	1,070	914	2.9	2.4	798	862	2.9	3.1
Widowed, divorced, or separated .....	435	376	6.8	5.7	498	473	5.4	5.1
Single (never married) .....	508	501	6.2	6.0	210	229	4.0	4.2
Black, 25 years and over .....	407	474	6.9	8.0	417	447	6.7	6.9
Married, spouse present .....	145	160	4.6	4.9	103	86	4.1	3.5
Widowed, divorced, or separated .....	90	130	8.3	12.1	141	151	7.2	7.3
Single (never married) .....	173	184	10.4	11.4	173	211	9.7	11.1

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-27. Unemployed persons by occupation and sex**

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
Total, 16 years and over <sup>1</sup> .....	7,185	7,166	5.5	5.4	5.6	5.4	5.3	5.4
Managerial and professional specialty .....	766	832	2.1	2.2	2.2	2.4	2.1	2.0
Executive, administrative, and managerial .....	419	390	2.4	2.2	2.4	2.2	2.5	2.1
Professional specialty .....	347	442	1.9	2.3	2.0	2.7	1.8	2.0
Technical, sales, and administrative support .....	1,801	1,862	4.6	4.7	4.0	4.1	5.0	5.1
Technicians and related support .....	118	97	2.9	2.5	2.8	2.3	3.1	2.7
Sales occupations .....	798	856	5.1	5.3	4.0	3.8	6.2	6.9
Administrative support, including clerical .....	884	909	4.6	4.7	4.7	5.6	4.6	4.4
Service occupations .....	1,351	1,352	7.4	7.2	8.0	7.4	7.0	7.1
Private household .....	130	66	15.4	8.2	( <sup>2</sup> )	( <sup>2</sup> )	14.9	7.2
Protective service .....	89	114	3.9	5.2	3.6	5.2	5.7	4.8
Service, except private household and protective .....	1,132	1,172	7.5	7.5	9.5	8.0	6.4	7.2
Precision production, craft, and repair .....	839	713	5.9	5.1	5.9	5.1	5.9	4.8
Mechanics and repairers .....	163	149	3.6	3.3	3.6	3.2	2.8	4.9
Construction trades .....	477	395	8.6	7.3	8.7	7.4	6.6	2.8
Other precision production, craft, and repair .....	199	168	4.7	4.1	4.2	3.8	6.4	5.2
Operators, fabricators, and laborers .....	1,561	1,550	8.0	7.9	7.8	7.5	8.8	8.8
Machine operators, assemblers, and inspectors .....	648	635	7.6	7.6	6.6	6.7	9.0	8.9
Transportation and material moving occupations .....	296	246	5.4	4.4	5.7	4.4	2.6	4.3
Handlers, equipment cleaners, helpers, and laborers .....	617	669	11.4	11.6	11.4	11.8	11.2	10.8
Construction laborers .....	156	166	17.9	17.3	17.8	17.3	( <sup>2</sup> )	( <sup>2</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	462	502	10.1	10.5	9.9	10.4	11.0	10.6
Farming, forestry, and fishing .....	264	284	6.5	7.0	6.5	6.5	6.7	9.2
No previous work experience .....	567	547	-	-	-	-	-	-
16 to 19 years .....	419	390	-	-	-	-	-	-
20 to 24 years .....	67	63	-	-	-	-	-	-
25 years and over .....	81	94	-	-	-	-	-	-

<sup>1</sup> Includes a small number of persons whose last job was in the Armed Forces.

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-28. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
Total, 16 years and over .....	7,185	7,166	5.5	5.4	5.6	5.4	5.3	5.4
Nonagricultural private wage and salary workers .....	5,732	5,641	5.8	5.6	5.9	5.6	5.7	5.6
Mining .....	38	14	5.6	2.5	5.0	2.8	9.9	-
Construction .....	721	610	11.3	9.4	11.7	9.6	7.4	8.0
Manufacturing .....	1,084	1,046	5.2	5.0	4.5	4.7	6.8	5.8
Durable goods .....	579	581	4.8	4.7	4.4	4.5	6.2	5.5
Lumber and wood products .....	57	49	7.7	6.1	8.0	6.4	5.6	4.7
Furniture and fixtures .....	25	27	4.0	4.1	2.7	3.2	6.6	6.1
Stone, clay, and glass products .....	22	21	3.5	3.7	3.2	3.3	4.7	5.2
Primary metal industries .....	38	30	4.8	3.8	3.8	3.4	10.6	6.1
Fabricated metal products .....	80	96	6.0	7.2	4.9	6.5	10.4	9.4
Machinery and computing equipment .....	47	99	2.0	4.0	2.1	4.3	1.9	3.1
Electrical machinery, equipment, and supplies .....	111	78	5.8	4.2	5.9	3.5	5.7	5.1
Transportation equipment .....	102	85	4.6	3.7	4.3	3.3	5.7	5.0
Automobiles .....	47	36	3.7	2.7	3.1	3.3	5.6	.9
Other transportation equipment .....	55	50	5.8	5.0	5.8	3.4	5.8	10.8
Professional and photographic equipment .....	27	29	3.8	3.8	3.3	3.5	4.7	4.2
Other durable goods industries .....	70	65	10.0	10.0	9.4	10.4	11.0	10.5
Nondurable goods .....	504	465	5.8	5.5	4.7	5.0	7.3	6.1
Food and kindred products .....	123	128	7.2	7.3	5.5	5.6	10.9	10.7
Textile mill products .....	60	31	8.1	4.9	3.3	5.9	13.9	3.8
Apparel and other textile products .....	96	71	8.7	7.1	7.1	5.6	9.4	7.7
Paper and allied products .....	31	28	3.9	4.0	2.7	4.2	7.2	3.4
Printing and publishing .....	64	86	3.6	4.6	5.0	4.9	1.8	4.2
Chemicals and allied products .....	65	60	4.8	4.4	4.0	3.7	6.4	6.0
Rubber and miscellaneous plastics products .....	48	42	5.6	4.6	5.5	5.0	5.9	3.7
Other nondurable goods industries .....	17	20	4.2	6.1	4.7	8.6	4.5	1.5
Transportation and public utilities .....	257	264	3.7	3.7	3.9	3.8	3.3	3.7
Transportation .....	182	194	4.3	4.4	4.5	5.0	3.7	2.4
Communications and other public utilities .....	75	71	2.8	2.6	2.8	1.4	2.8	5.1
Wholesale and retail trade .....	1,665	1,710	6.5	6.5	6.1	5.8	7.1	7.3
Wholesale trade .....	220	227	4.6	4.7	3.6	4.3	6.8	5.5
Retail trade .....	1,444	1,483	7.0	6.9	6.9	6.3	7.1	7.5
Finance, insurance, and real estate .....	276	196	3.6	2.6	3.9	3.0	3.5	2.4
Service industries .....	1,691	1,802	5.4	5.6	5.7	6.1	5.2	5.3
Professional services .....	590	711	3.1	3.7	3.2	3.7	3.1	3.7
Other service industries .....	1,101	1,091	8.8	8.4	8.0	8.1	9.6	8.7
Agricultural wage and salary workers .....	184	178	9.0	7.7	9.4	6.9	7.8	10.2
Government, self-employed, and unpaid family workers .....	702	800	2.3	2.7	2.5	2.8	2.1	2.6
No previous work experience .....	567	547	-	-	-	-	-	-

Table A-29. Unemployed persons by reason for unemployment, sex, age, and race

(Numbers in thousands)

Reason	Total, 16 years and over		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	7,185	7,166	3,212	3,133	2,578	2,677	1,395	1,356	5,378	5,317	1,449	1,510
Job losers and persons who completed temporary jobs .....	3,275	3,164	1,956	1,960	1,112	1,028	206	176	2,546	2,425	564	609
On temporary layoff .....	779	868	478	508	242	300	58	60	658	723	67	114
Not on temporary layoff .....	2,496	2,297	1,478	1,452	870	729	147	116	1,888	1,702	497	495
Permanent job losers .....	1,819	1,627	1,091	1,017	638	541	90	69	1,438	1,224	298	335
Persons who completed temporary jobs .....	677	670	387	435	232	187	58	48	449	478	199	159
Job leavers .....	800	621	375	298	327	262	98	61	641	499	115	100
Reentrants .....	2,544	2,834	824	832	1,046	1,273	673	730	1,818	2,000	612	687
New entrants .....	567	547	56	43	92	114	419	390	373	393	158	114
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers and persons who completed temporary jobs .....	45.6	44.2	60.9	62.6	43.1	38.4	14.8	13.0	47.3	45.6	39.0	40.3
On temporary layoff .....	10.8	12.1	14.9	16.2	9.4	11.2	4.2	4.4	12.2	13.6	4.6	7.6
Not on temporary layoff .....	34.7	32.0	46.0	46.3	33.8	27.2	10.6	8.6	35.1	32.0	34.3	32.8
Job leavers .....	11.1	8.7	11.7	9.5	12.7	9.8	7.0	4.5	11.9	9.4	7.9	6.6
Reentrants .....	35.4	39.5	25.7	26.6	40.6	47.5	48.2	53.8	33.8	37.6	42.2	45.5
New entrants .....	7.9	7.6	1.7	1.4	3.6	4.3	30.0	28.8	6.9	7.4	10.9	7.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers and persons who completed temporary jobs .....	2.5	2.4	2.9	2.9	2.0	1.8	2.7	2.3	2.3	2.1	3.8	4.0
Job leavers .....	.6	.5	.6	.4	.6	.5	1.3	.8	.6	.4	.8	.7
Reentrants .....	1.9	2.1	1.2	1.2	1.8	2.2	8.9	9.4	1.6	1.8	4.2	4.6
New entrants .....	.4	.4	.1	.1	.2	.2	5.6	5.0	.3	.3	1.1	.8



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-30. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment**

(Percent distribution)

Reason, sex, and age	May 1996						
	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 .....	7,166	100.0	38.6	27.0	34.4	15.6	18.8
Job losers and persons who completed temporary jobs .....	3,164	100.0	36.8	28.5	34.7	18.5	16.2
On temporary layoff .....	868	100.0	51.4	28.1	20.4	13.1	7.3
Not on temporary layoff .....	2,297	100.0	31.3	28.6	40.1	20.6	19.5
Permanent job losers .....	1,627	100.0	27.6	28.7	43.7	22.5	21.2
Persons who completed temporary jobs .....	670	100.0	40.3	28.4	31.3	16.0	15.3
Job leavers .....	621	100.0	40.5	29.6	29.9	12.2	17.7
Reentrants .....	2,834	100.0	40.5	23.3	36.3	14.3	22.0
New entrants .....	547	100.0	37.0	34.4	28.6	9.6	19.0
Men, 20 years and over .....	3,133	100.0	32.7	27.0	40.3	18.3	22.0
Job losers and persons who completed temporary jobs .....	1,960	100.0	31.7	30.3	38.0	19.9	18.1
On temporary layoff .....	508	100.0	43.6	33.1	23.4	15.6	7.7
Not on temporary layoff .....	1,452	100.0	27.5	29.3	43.2	21.4	21.8
Permanent job losers .....	1,017	100.0	23.9	30.3	45.9	22.4	23.5
Persons who completed temporary jobs .....	435	100.0	36.0	27.2	36.8	19.1	17.7
Job leavers .....	298	100.0	35.5	25.3	39.2	15.1	24.2
Reentrants .....	832	100.0	35.1	19.9	45.0	15.3	29.6
New entrants .....	43	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 20 years and over .....	2,677	100.0	40.0	25.6	34.4	15.3	19.1
Job losers and persons who completed temporary jobs .....	1,028	100.0	42.4	25.4	32.1	18.0	14.2
On temporary layoff .....	300	100.0	59.8	23.6	16.5	9.3	7.2
Not on temporary layoff .....	729	100.0	35.3	26.2	38.5	21.5	17.0
Permanent job losers .....	541	100.0	32.1	24.8	43.1	24.5	18.6
Persons who completed temporary jobs .....	187	100.0	44.4	30.2	25.4	13.0	12.4
Job leavers .....	262	100.0	42.1	32.4	25.5	11.0	14.4
Reentrants .....	1,273	100.0	38.6	23.3	38.1	14.6	23.5
New entrants .....	114	100.0	29.5	36.1	34.4	10.0	24.4
Both sexes, 16 to 19 years .....	1,356	100.0	49.5	29.6	21.0	10.1	10.9
Job losers and persons who completed temporary jobs .....	176	100.0	61.9	25.6	12.5	6.7	5.8
On temporary layoff .....	60	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Not on temporary layoff .....	116	100.0	54.5	34.4	11.2	4.3	6.9
Permanent job losers .....	69	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Persons who completed temporary jobs .....	48	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Job leavers .....	61	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Reentrants .....	730	100.0	49.7	27.1	23.2	12.5	10.7
New entrants .....	390	100.0	42.0	34.5	23.5	8.2	15.3

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

**A-31. Unemployed total and full-time workers by duration of unemployment**

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
	Total, 16 years and over .....	7,185	7,166	100.0	100.0	5,807	5,829	100.0
Less than 5 weeks .....	2,604	2,767	36.2	38.6	1,939	2,146	33.4	36.8
5 to 14 weeks .....	1,924	1,932	26.8	27.0	1,572	1,554	27.1	26.7
5 to 10 weeks .....	1,308	1,274	18.2	17.8	1,037	1,021	17.9	17.5
11 to 14 weeks .....	616	658	8.6	9.2	535	532	9.2	9.1
15 weeks and over .....	2,657	2,467	37.0	34.4	2,296	2,130	39.5	36.5
15 to 26 weeks .....	1,334	1,119	18.6	15.6	1,144	971	19.7	16.7
27 weeks and over .....	1,323	1,348	18.4	18.8	1,152	1,158	19.8	19.9
27 to 51 weeks .....	594	608	8.3	8.5	495	526	8.5	9.0
52 weeks and over .....	730	740	10.2	10.3	657	633	11.3	10.9
Average (mean) duration, in weeks .....	17.5	17.5	-	-	18.8	18.3	-	-
Median duration, in weeks .....	9.0	8.5	-	-	10.1	9.1	-	-

A-32. Unemployed persons by age, sex, race, marital status, and duration of unemployment

Sex, age, race, and marital status	May 1996							Average (mean) duration	Median duration
	Thousands of persons								
	Total	Less than 5 weeks	5 to 14 weeks	15 weeks and over					
				Total	15 to 26 weeks	27 weeks and over			
<b>TOTAL</b>									
Total, 16 years and over .....	7,166	2,767	1,932	2,467	1,119	1,348	17.5	8.5	
16 to 19 years .....	1,356	671	401	284	137	148	11.8	4.6	
20 to 24 years .....	1,309	628	337	344	172	172	13.4	6.0	
25 to 34 years .....	1,704	612	483	608	303	305	17.3	9.2	
35 to 44 years .....	1,356	437	377	541	251	290	20.1	11.3	
45 to 54 years .....	886	263	217	406	150	256	23.7	11.9	
55 to 64 years .....	403	105	87	211	80	131	25.9	16.0	
65 years and over .....	152	51	30	71	26	45	23.7	11.5	
<b>Men, 16 years and over</b>									
16 to 19 years .....	3,867	1,359	1,080	1,428	641	787	19.0	9.6	
20 to 24 years .....	734	335	233	166	69	97	13.1	5.6	
25 to 34 years .....	746	328	194	223	115	108	14.7	7.6	
35 to 44 years .....	865	292	274	299	156	143	17.4	9.7	
45 to 54 years .....	739	207	195	337	153	184	22.9	13.1	
55 to 64 years .....	484	142	107	235	92	142	24.8	13.3	
65 years and over .....	218	36	51	131	43	89	30.8	20.8	
65 years and over .....	80	18	26	36	12	24	27.8	12.2	
<b>Women, 16 years and over</b>									
16 to 19 years .....	3,300	1,408	852	1,039	478	561	15.7	7.1	
20 to 24 years .....	622	336	168	118	68	51	10.1	4.2	
25 to 34 years .....	563	299	143	121	57	64	11.6	4.2	
35 to 44 years .....	839	320	209	309	147	162	17.2	8.8	
45 to 54 years .....	617	230	182	204	98	106	16.8	8.7	
55 to 64 years .....	402	121	109	172	58	114	22.3	10.7	
65 years and over .....	185	69	36	80	37	43	20.1	9.8	
65 years and over .....	72	33	4	35	14	21	( <sup>1</sup> )	( <sup>1</sup> )	
<b>Race</b>									
White, 16 years and over .....	5,317	2,203	1,408	1,707	791	915	16.2	7.5	
Men .....	2,895	1,088	791	1,017	458	559	18.0	8.7	
Women .....	2,423	1,115	617	690	333	357	14.0	5.9	
Black, 16 years and over .....	1,510	438	460	612	260	352	21.5	11.5	
Men .....	789	206	261	322	143	179	21.8	12.1	
Women .....	721	232	199	290	116	174	21.1	10.5	
<b>Marital status</b>									
<b>Men, 16 years and over:</b>									
Married, spouse present .....	1,225	394	317	513	235	278	21.2	10.8	
Widowed, divorced, or separated .....	563	154	174	236	121	115	18.9	11.7	
Single (never married) .....	2,079	811	589	680	285	395	17.8	8.5	
<b>Women, 16 years and over:</b>									
Married, spouse present .....	1,112	466	288	358	175	183	16.0	6.9	
Widowed, divorced, or separated .....	691	219	203	268	105	164	18.5	10.9	
Single (never married) .....	1,497	723	361	413	199	215	14.1	5.2	

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-33. Unemployed persons by occupation, industry, and duration of unemployment**

Occupation and industry	May 1996							
	Thousands of persons						Weeks	
	Total	Less than 5 weeks	5 to 14 weeks	15 weeks and over			Average (mean) duration	Median duration
				Total	15 to 26 weeks	27 weeks and over		
<b>OCCUPATION</b>								
Managerial and professional specialty .....	832	328	186	318	130	189	19.9	8.4
Technical, sales, and administrative support .....	1,862	778	455	629	298	331	15.9	7.6
Service occupations .....	1,352	557	392	403	163	240	16.3	7.3
Precision production, craft, and repair .....	713	220	216	277	137	140	20.3	10.9
Operators, fabricators, and laborers .....	1,550	570	421	558	275	283	17.9	9.2
Farming, forestry, and fishing .....	284	112	62	109	60	50	17.7	8.7
<b>INDUSTRY<sup>1</sup></b>								
Agriculture .....	178	71	47	59	25	35	17.2	7.3
Construction .....	629	200	176	254	137	117	19.6	10.3
Manufacturing .....	1,051	335	294	421	184	237	20.0	10.3
Durable goods .....	582	187	162	233	98	135	19.1	10.2
Nondurable goods .....	469	148	132	188	86	103	21.1	10.6
Transportation and public utilities .....	301	100	90	111	66	45	16.1	9.1
Wholesale and retail trade .....	1,735	687	513	535	266	269	15.8	8.1
Finance, insurance, and real estate .....	205	93	42	70	19	51	18.1	6.5
Services .....	2,053	877	490	686	298	388	17.3	7.3
Public administration .....	153	56	32	65	22	43	19.2	9.6
No previous work experience .....	547	202	188	156	53	104	16.5	7.9

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

**A-34. Persons not in the labor force by desire and availability for work, age, and sex**

(In thousands)

Category	Total		Age						Sex			
	May 1995	May 1996	16 to 24 years		25 to 54 years		55 years and over		Men		Women	
			May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
	Total not in the labor force .....	66,547	66,721	11,217	11,119	18,798	18,889	36,531	36,712	23,836	23,923	42,711
Do not want a job now <sup>1</sup> .....	60,014	60,506	8,161	8,036	16,244	16,525	35,609	35,944	21,177	21,316	38,837	39,190
Want a job <sup>1</sup> .....	6,533	6,215	3,056	3,083	2,554	2,364	923	768	2,658	2,608	3,875	3,607
Did not search for work in previous year .....	3,796	3,531	1,710	1,669	1,418	1,316	668	546	1,419	1,390	2,377	2,141
Searched for work in previous year <sup>2</sup> .....	2,737	2,684	1,346	1,414	1,136	1,048	254	222	1,239	1,218	1,498	1,466
Not available to work now .....	1,233	1,209	833	860	363	319	37	30	508	523	724	686
Available to work now .....	1,504	1,475	513	554	773	729	217	193	730	694	773	780
Reason not currently looking:												
Discouragement over job prospects <sup>3</sup> .....	398	352	84	102	215	201	100	49	233	221	165	131
Reasons other than discouragement .....	1,106	1,123	430	452	558	527	118	144	497	474	608	649
Family responsibilities .....	152	193	42	29	94	136	15	28	29	32	123	161
In school or training .....	318	277	250	226	62	48	6	3	173	124	145	153
Ill health or disability .....	119	142	14	22	88	91	17	28	65	51	54	91
Other <sup>4</sup> .....	517	511	124	174	313	252	80	85	230	267	287	245

<sup>1</sup> Includes some persons who are not asked if they want a job.

<sup>2</sup> Persons who had a job in the prior 12 months must have searched since the end of that job.

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

discrimination.

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

**A-35. Multiple jobholders by selected demographic and economic characteristics**

(Numbers in thousands)

Characteristic	Both sexes				Men				Women			
	Number		Rate <sup>1</sup>		Number		Rate <sup>1</sup>		Number		Rate <sup>1</sup>	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
<b>AGE</b>												
Total, 16 years and over <sup>2</sup> .....	7,952	7,846	6.4	6.2	4,225	4,352	6.3	6.4	3,727	3,494	6.5	6.0
16 to 19 years .....	367	341	6.0	5.4	136	169	4.4	5.1	231	172	7.7	5.6
20 years and over .....	7,585	7,505	6.4	6.3	4,089	4,183	6.4	6.4	3,496	3,321	6.4	6.0
20 to 24 years .....	747	744	6.0	6.2	363	405	5.5	6.3	384	339	6.7	6.0
25 years and over .....	6,837	6,761	6.4	6.3	3,725	3,779	6.5	6.5	3,112	2,982	6.4	6.0
25 to 54 years .....	6,193	6,039	6.8	6.5	3,350	3,334	6.8	6.7	2,843	2,705	6.8	6.3
55 years and over .....	645	722	4.3	4.7	375	445	4.5	5.1	269	278	4.0	4.2
55 to 64 years .....	549	593	4.9	5.1	310	350	5.0	5.4	239	244	4.7	4.7
65 years and over .....	95	129	2.6	3.5	65	95	3.1	4.3	30	34	1.9	2.2
<b>RACE AND HISPANIC ORIGIN</b>												
White .....	7,032	6,894	6.6	6.4	3,726	3,838	6.4	6.5	3,306	3,056	6.9	6.3
Black .....	686	693	5.2	5.1	388	374	6.1	5.8	298	318	4.3	4.5
Hispanic origin .....	400	458	3.6	4.0	220	306	3.3	4.4	181	152	4.2	3.4
<b>MARITAL STATUS</b>												
Married, spouse present .....	4,707	4,632	6.3	6.2	2,797	2,842	6.6	6.7	1,910	1,790	5.9	5.5
Widowed, divorced, or separated .....	1,235	1,218	6.6	6.3	433	470	5.8	6.1	801	748	7.1	6.5
Single (never married) .....	2,010	1,996	6.4	6.2	994	1,040	5.6	5.8	1,016	956	7.4	6.8
<b>FULL- OR PART-TIME STATUS</b>												
Primary job full time, secondary job part time .....	4,624	4,455	-	-	2,747	2,743	-	-	1,877	1,711	-	-
Primary and secondary jobs both part time .....	1,750	1,709	-	-	525	558	-	-	1,225	1,151	-	-
Primary and secondary jobs both full time .....	245	245	-	-	178	158	-	-	67	87	-	-
Hours vary on primary or secondary job .....	1,315	1,408	-	-	763	884	-	-	552	524	-	-

<sup>1</sup> Multiple jobholders as a percent of all employed persons in specified group.

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

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

**A-36. 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 1995	May 1996	Total		Employed		Unemployed			
			May 1995	May 1996	May 1995	May 1996	Number		Percent of labor force	
							May 1995	May 1996	May 1995	May 1996
<b>VIETNAM-ERA VETERANS</b>										
Total, 40 years and over .....	7,564	7,728	6,575	6,658	6,347	6,469	227	189	3.5	2.8
40 to 54 years .....	6,514	6,485	5,962	5,901	5,754	5,717	208	184	3.5	3.1
40 to 44 years .....	1,535	1,288	1,382	1,167	1,307	1,129	75	38	5.4	3.2
45 to 49 years .....	3,201	3,048	2,954	2,793	2,853	2,703	101	90	3.4	3.2
50 to 54 years .....	1,778	2,149	1,626	1,941	1,594	1,885	32	56	2.0	2.9
55 years and over .....	1,050	1,243	613	757	594	751	20	6	3.2	.8
<b>NONVETERANS</b>										
Total, 40 to 54 years .....	17,042	18,244	15,346	16,469	14,778	15,839	568	630	3.7	3.8
40 to 44 years .....	7,911	8,536	7,321	7,855	7,032	7,537	289	318	4.0	4.1
45 to 49 years .....	5,129	5,771	4,644	5,219	4,475	5,001	169	218	3.6	4.2
50 to 54 years .....	4,002	3,936	3,381	3,394	3,271	3,301	110	94	3.3	2.8

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces.



**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**B-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964 .....	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965 .....	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966 .....	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967 .....	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968 .....	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969 .....	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970 .....	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971 .....	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972 .....	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973 .....	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974 .....	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975 .....	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976 .....	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977 .....	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978 .....	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979 .....	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980 .....	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981 .....	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982 .....	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983 .....	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984 .....	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985 .....	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986 .....	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987 .....	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988 .....	34.7	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989 .....	34.6	9.66	334.24	43.0	13.26	570.18	37.9	13.54	513.17
1990 .....	34.5	10.01	345.35	44.1	13.68	603.29	38.2	13.77	526.01
1991 .....	34.3	10.32	353.98	44.4	14.19	630.04	38.1	14.00	533.40
1992 .....	34.4	10.57	363.61	43.9	14.54	638.31	38.0	14.15	537.70
1993 .....	34.5	10.83	373.64	44.3	14.60	646.78	38.5	14.38	553.63
1994 .....	34.7	11.12	385.86	44.8	14.88	666.62	38.9	14.73	573.00
1995 .....	34.5	11.44	394.68	44.7	15.30	683.91	38.8	15.08	585.10
Monthly data, not seasonally adjusted									
<b>1995:</b>									
May .....	34.2	\$11.36	\$388.51	44.2	\$15.19	\$671.40	38.5	\$15.00	\$577.50
June .....	34.6	11.34	392.36	45.0	15.23	685.35	39.6	15.03	595.19
July .....	34.8	11.39	396.37	44.5	15.34	682.63	40.0	15.14	605.60
August .....	34.8	11.37	395.68	44.7	15.29	683.46	39.8	15.20	604.96
September .....	34.6	11.55	399.63	45.4	15.35	696.89	39.9	15.34	612.07
October .....	34.7	11.60	402.52	45.4	15.34	696.44	40.1	15.34	615.13
November .....	34.4	11.59	398.70	44.8	15.35	687.68	38.6	15.24	588.26
December .....	34.5	11.61	400.55	45.0	15.54	699.30	38.1	15.13	576.45
<b>1996:</b>									
January .....	33.4	11.71	391.11	43.8	15.63	684.59	36.7	15.24	559.31
February .....	34.1	11.69	398.63	45.1	15.62	704.46	38.1	15.14	576.83
March .....	34.2	11.69	399.80	45.0	15.51	697.95	38.1	15.13	576.45
April <sup>p</sup> .....	34.2	11.75	401.85	44.9	15.58	699.54	38.6	15.19	586.33
May <sup>p</sup> .....	34.3	11.74	402.68	45.5	15.51	705.71	38.8	15.28	592.86

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**B-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date—Continued**

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>										
1964 .....	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965 .....	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.08
1966 .....	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967 .....	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.87	115.66
1968 .....	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.90
1969 .....	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970 .....	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.43	136.86
1971 .....	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.42
1972 .....	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973 .....	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.54
1974 .....	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	169.94
1975 .....	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1976 .....	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
1977 .....	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978 .....	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979 .....	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980 .....	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.4	6.95	266.88
1981 .....	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.68
1982 .....	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.46
1983 .....	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.79
1984 .....	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.88
1985 .....	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.36
1986 .....	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.72
1987 .....	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988 .....	41.1	10.19	9.73	418.81	38.8	12.26	475.69	38.1	9.98	380.24
1989 .....	41.0	10.48	10.02	429.68	38.9	12.60	490.14	38.0	10.39	394.82
1990 .....	40.8	10.83	10.37	441.86	38.9	12.97	504.53	38.1	10.79	411.10
1991 .....	40.7	11.18	10.71	455.03	38.7	13.22	511.61	38.1	11.15	424.82
1992 .....	41.0	11.46	10.95	469.86	38.9	13.45	523.21	38.2	11.39	435.10
1993 .....	41.4	11.74	11.18	486.04	39.6	13.62	539.35	38.2	11.74	448.47
1994 .....	42.0	12.07	11.43	506.94	39.9	13.86	553.01	38.4	12.06	463.10
1995 .....	41.6	12.37	11.74	514.59	39.5	14.23	562.09	38.3	12.43	476.07
<b>Monthly data, not seasonally adjusted</b>										
<b>1995:</b>										
May .....	41.4	\$12.30	\$11.70	\$509.22	39.2	\$14.07	\$551.54	38.1	\$12.34	\$470.15
June .....	41.6	12.32	11.71	512.51	39.6	14.11	558.76	38.3	12.34	472.62
July .....	40.8	12.39	11.80	505.51	40.1	14.25	571.43	38.5	12.45	479.33
August .....	41.5	12.35	11.71	512.53	39.8	14.24	566.75	38.3	12.40	474.92
September .....	42.0	12.47	11.78	523.74	39.7	14.35	569.70	38.3	12.51	479.13
October .....	41.7	12.43	11.78	518.33	39.7	14.46	574.06	38.5	12.55	483.18
November .....	41.9	12.49	11.83	523.33	39.5	14.46	571.17	38.2	12.53	478.65
December .....	42.0	12.60	11.93	529.20	39.6	14.44	571.82	38.3	12.61	482.96
<b>1996:</b>										
January .....	39.8	12.66	12.06	503.87	38.5	14.45	556.33	37.6	12.65	475.64
February .....	41.3	12.57	11.97	519.14	39.4	14.45	569.33	38.0	12.66	481.08
March .....	41.3	12.54	11.94	517.90	39.5	14.44	570.38	38.1	12.67	482.73
April <sup>p</sup> .....	41.2	12.73	12.11	524.48	39.3	14.50	569.85	38.1	12.76	486.16
May <sup>p</sup> .....	41.6	12.71	12.08	528.74	39.4	14.42	568.15	38.2	12.74	486.67

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

**B-2. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date—Continued**

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964 .....	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965 .....	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966 .....	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967 .....	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968 .....	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969 .....	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970 .....	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971 .....	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972 .....	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973 .....	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974 .....	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975 .....	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987 .....	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988 .....	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989 .....	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990 .....	28.8	6.75	194.40	35.8	9.97	356.93	32.5	9.83	319.48
1991 .....	28.6	6.94	198.48	35.7	10.39	370.92	32.4	10.23	331.45
1992 .....	28.8	7.12	205.06	35.8	10.82	387.36	32.5	10.54	342.55
1993 .....	28.8	7.29	209.95	35.8	11.35	406.33	32.5	10.78	350.35
1994 .....	28.9	7.49	216.46	35.8	11.83	423.51	32.5	11.04	358.80
1995 .....	28.8	7.69	221.47	35.9	12.33	442.65	32.4	11.39	369.04
Monthly data, not seasonally adjusted									
<b>1995:</b>									
May .....	28.7	\$7.64	\$219.27	35.4	\$12.24	\$433.30	32.1	\$11.31	\$363.05
June .....	29.1	7.65	222.62	35.6	12.19	433.96	32.5	11.22	364.65
July .....	29.7	7.66	227.50	36.3	12.32	447.22	32.8	11.26	369.33
August .....	29.5	7.65	225.68	35.7	12.28	438.40	32.7	11.22	366.89
September .....	28.9	7.77	224.55	35.7	12.40	442.68	32.3	11.45	369.84
October .....	28.8	7.77	223.78	36.4	12.53	456.09	32.6	11.54	376.20
November .....	28.6	7.78	222.51	35.6	12.49	444.64	32.3	11.57	373.71
December .....	29.0	7.80	226.20	35.7	12.57	448.75	32.3	11.66	376.62
<b>1996:</b>									
January .....	27.5	7.89	216.98	35.5	12.62	448.01	31.8	11.73	373.01
February .....	28.2	7.87	221.93	35.7	12.71	453.75	32.2	11.72	377.38
March .....	28.5	7.90	225.15	35.7	12.74	454.82	32.2	11.72	377.38
April <sup>p</sup> .....	28.4	7.92	224.93	35.6	12.77	454.61	32.2	11.72	377.38
May <sup>p</sup> .....	28.7	7.93	227.59	35.6	12.79	455.32	32.3	11.69	377.59

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

<sup>p</sup> = preliminary.  
NOTE: Data in this table have been revised to reflect March 1995 benchmarks. Thus, data beginning in April 1994 may differ slightly from those previously published. See the article in this issue for additional information.



**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>p</sup>	May <sup>p</sup>
<b>Total</b> .....	116,907	117,100	117,201	117,499	117,623	117,749	117,899	118,136	118,070	118,579	118,737	118,900	119,248
<b>Total private</b> .....	97,618	97,799	97,881	98,130	98,298	98,410	98,561	98,789	98,734	99,214	99,343	99,501	99,806
<b>Goods-producing</b> .....	24,217	24,212	24,171	24,179	24,176	24,151	24,133	24,160	24,112	24,254	24,196	24,203	24,238
<b>Mining</b> .....	582	580	578	576	574	573	569	570	569	573	574	574	575
Metal mining .....	51	51	51	51	51	51	50	51	51	51	51	51	52
Coal mining .....	106	105	105	105	104	104	103	102	101	102	101	101	101
Oil and gas extraction .....	320	319	317	314	313	312	309	310	310	313	314	315	315
Nonmetallic minerals, except fuels .....	105	105	105	106	106	106	107	107	107	107	108	107	107
<b>Construction</b> .....	5,116	5,139	5,146	5,164	5,187	5,200	5,211	5,223	5,234	5,349	5,340	5,351	5,379
General building contractors .....	1,195	1,196	1,195	1,194	1,195	1,198	1,200	1,202	1,205	1,218	1,223	1,227	1,224
Heavy construction, except building .....	742	747	749	752	756	755	751	750	741	764	769	762	759
Special trade contractors .....	3,179	3,196	3,202	3,218	3,236	3,247	3,260	3,271	3,288	3,367	3,348	3,362	3,396
<b>Manufacturing</b> .....	18,519	18,493	18,447	18,439	18,415	18,378	18,353	18,367	18,309	18,332	18,282	18,278	18,284
<b>Durable goods</b> .....	10,668	10,655	10,647	10,653	10,648	10,631	10,628	10,667	10,643	10,659	10,623	10,652	10,669
Lumber and wood products .....	765	762	759	761	762	762	762	763	750	756	755	761	781
Furniture and fixtures .....	510	509	502	507	506	504	504	506	503	502	500	498	499
Stone, clay, and glass products .....	539	539	537	536	536	536	535	534	532	536	536	534	537
Primary metal industries .....	714	711	707	709	707	708	710	709	709	708	706	704	705
Blast furnaces and basic steel products .....	242	242	240	241	240	240	241	240	240	240	239	238	239
Fabricated metal products .....	1,441	1,437	1,437	1,438	1,437	1,439	1,441	1,441	1,442	1,443	1,442	1,440	1,443
Industrial machinery and equipment .....	2,052	2,057	2,062	2,067	2,066	2,075	2,079	2,084	2,085	2,083	2,087	2,084	2,082
Computer and office equipment .....	347	348	349	351	352	355	356	357	357	357	358	356	355
Electronic and other electrical equipment .....	1,621	1,622	1,627	1,625	1,633	1,637	1,640	1,645	1,646	1,652	1,651	1,650	1,649
Electronic components and accessories .....	575	578	582	586	591	596	600	605	609	614	614	615	613
Transportation equipment .....	1,799	1,791	1,790	1,787	1,780	1,751	1,737	1,764	1,757	1,759	1,726	1,763	1,774
Motor vehicles and equipment .....	971	968	972	972	968	966	958	959	956	957	924	959	969
Aircraft and parts .....	458	455	450	449	447	421	417	446	446	446	445	447	448
Instruments and related products .....	838	837	838	835	834	832	830	831	831	831	832	832	834
Miscellaneous manufacturing .....	389	390	388	388	387	387	390	390	388	389	388	386	385
<b>Nondurable goods</b> .....	7,851	7,838	7,800	7,786	7,767	7,747	7,725	7,700	7,666	7,673	7,659	7,626	7,615
Food and kindred products .....	1,682	1,689	1,678	1,676	1,678	1,676	1,676	1,674	1,672	1,675	1,675	1,665	1,661
Tobacco products .....	42	42	42	43	42	42	42	41	41	41	41	41	40
Textile mill products .....	673	669	663	662	657	655	652	649	640	644	642	635	637
Apparel and other textile products .....	946	938	931	922	913	901	891	883	868	873	863	858	853
Paper and allied products .....	694	693	692	692	690	688	686	685	684	682	681	677	677
Printing and publishing .....	1,543	1,545	1,543	1,541	1,539	1,538	1,537	1,535	1,533	1,531	1,531	1,527	1,524
Chemicals and allied products .....	1,037	1,034	1,033	1,031	1,030	1,031	1,030	1,025	1,026	1,025	1,027	1,024	1,026
Petroleum and coal products .....	146	145	144	143	142	142	140	140	140	140	140	139	139
Rubber and misc. plastics products .....	981	977	969	972	972	971	969	967	964	963	960	962	961
Leather and leather products .....	107	106	105	104	104	103	102	101	98	99	99	98	97
<b>Service-producing</b> .....	92,690	92,888	93,030	93,320	93,447	93,598	93,766	93,976	93,958	94,325	94,541	94,697	95,010
<b>Transportation and public utilities</b> .....	6,139	6,152	6,160	6,187	6,194	6,212	6,233	6,249	6,254	6,270	6,289	6,288	6,305
Transportation .....	3,900	3,910	3,914	3,936	3,936	3,947	3,964	3,977	3,980	3,994	4,008	4,008	4,026
Railroad transportation .....	240	238	236	238	236	236	236	237	235	234	233	231	231
Local and interurban passenger transit .....	418	420	429	432	430	431	433	436	436	439	441	439	448
Trucking and warehousing .....	1,863	1,867	1,867	1,872	1,868	1,872	1,878	1,874	1,874	1,879	1,883	1,879	1,887
Water transportation .....	176	175	172	175	174	173	174	172	172	171	171	174	168
Transportation by air .....	778	784	784	789	796	802	808	820	822	827	834	837	840
Pipelines, except natural gas .....	15	15	15	15	15	14	14	14	14	14	14	14	14
Transportation services .....	410	411	411	415	417	419	421	424	427	430	432	434	438
Communications and public utilities .....	2,239	2,242	2,246	2,251	2,258	2,265	2,269	2,272	2,274	2,276	2,281	2,280	2,279
Communications .....	1,323	1,328	1,334	1,339	1,346	1,352	1,358	1,362	1,367	1,371	1,378	1,378	1,381
Electric, gas, and sanitary services .....	916	914	912	912	912	913	911	910	907	905	903	902	898
<b>Wholesale trade</b> .....	6,389	6,408	6,427	6,437	6,451	6,465	6,478	6,498	6,512	6,529	6,548	6,552	6,558
Durable goods .....	3,718	3,732	3,742	3,752	3,764	3,778	3,788	3,802	3,814	3,826	3,841	3,845	3,847
Nondurable goods .....	2,671	2,676	2,685	2,685	2,687	2,687	2,690	2,696	2,698	2,703	2,707	2,707	2,711

See footnotes at end of table.



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1995										1996		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.
<b>Total</b> .....	56,318	56,407	56,464	56,569	56,639	56,771	56,899	56,960	57,039	57,134	57,014	57,315	57,421
<b>Total private</b> .....	45,793	45,865	45,918	46,006	46,054	46,165	46,280	46,327	46,409	46,491	46,384	46,653	46,741
<b>Goods-producing</b> .....	6,687	6,684	6,666	6,656	6,636	6,629	6,622	6,608	6,605	6,594	6,568	6,583	6,574
<b>Mining</b> .....	82	82	81	82	80	80	80	80	79	79	79	79	79
<b>Construction</b> .....	566	568	568	572	575	577	580	581	584	587	591	595	599
<b>Manufacturing</b> .....	6,039	6,034	6,017	6,002	5,981	5,972	5,962	5,947	5,942	5,928	5,898	5,909	5,896
<b>Durable goods</b> .....	2,811	2,814	2,811	2,807	2,804	2,804	2,806	2,805	2,808	2,809	2,808	2,810	2,804
Lumber and wood products .....	128	128	128	128	128	127	127	128	128	128	127	128	129
Furniture and fixtures .....	161	159	159	157	158	156	157	157	156	156	156	156	156
Stone, clay, and glass products .....	104	105	104	104	103	103	103	102	103	102	102	102	101
Primary metal industries .....	100	100	100	100	100	100	100	100	100	100	100	100	100
Fabricated metal products .....	317	318	317	316	316	316	315	316	316	316	317	316	316
Industrial machinery and equipment .....	441	443	442	442	442	444	445	448	450	451	452	451	451
Electronic and other electrical equipment .....	676	677	678	678	680	678	681	683	684	685	685	686	686
Transportation equipment .....	365	365	365	363	358	362	361	355	355	355	354	356	350
Instruments and related products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Miscellaneous manufacturing .....	175	175	174	175	174	174	173	173	174	174	173	173	173
<b>Nondurable goods</b> .....	3,228	3,220	3,206	3,195	3,177	3,168	3,156	3,142	3,134	3,119	3,090	3,099	3,092
Food and kindred products .....	555	554	553	557	552	550	552	553	553	551	547	549	551
Tobacco products .....	13	13	12	12	12	12	12	12	12	12	12	12	12
Textile mill products .....	320	319	317	315	312	311	309	307	306	304	298	302	300
Apparel and other textile products .....	728	722	716	708	703	695	687	677	671	664	651	654	647
Paper and allied products .....	167	167	166	165	165	165	165	164	164	164	164	164	163
Printing and publishing .....	692	692	692	693	692	692	691	690	691	691	687	687	687
Chemicals and allied products .....	331	332	331	328	328	328	328	327	326	324	325	325	326
Petroleum and coal products .....	25	25	25	25	25	25	24	24	24	24	24	24	24
Rubber and misc. plastics products .....	336	336	335	333	331	332	330	330	330	329	327	327	327
Leather and leather products .....	61	60	59	59	57	58	58	58	57	56	55	55	55
<b>Service-producing</b> .....	49,631	49,723	49,798	49,913	50,003	50,142	50,277	50,352	50,434	50,540	50,446	50,732	50,847
<b>Transportation and public utilities</b> .....	1,809	1,812	1,814	1,818	1,825	1,832	1,841	1,846	1,856	1,866	1,872	1,883	1,891
<b>Wholesale trade</b> .....	1,950	1,956	1,962	1,969	1,974	1,979	1,986	1,989	1,997	2,003	2,008	2,014	2,019
<b>Retail trade</b> .....	11,117	11,127	11,132	11,165	11,174	11,192	11,207	11,209	11,211	11,218	11,152	11,236	11,243
<b>Finance, insurance, and real estate</b> .....	4,295	4,293	4,295	4,299	4,305	4,310	4,317	4,326	4,336	4,342	4,348	4,360	4,369
<b>Services</b> .....	19,935	19,993	20,049	20,099	20,140	20,223	20,307	20,349	20,404	20,468	20,436	20,577	20,645
<b>Government</b> .....	10,525	10,542	10,546	10,563	10,585	10,606	10,619	10,633	10,630	10,643	10,630	10,662	10,680
<b>Federal</b> .....	1,187	1,187	1,187	1,189	1,187	1,185	1,181	1,178	1,176	1,175	1,170	1,170	1,169
<b>State</b> .....	2,334	2,339	2,336	2,337	2,341	2,340	2,344	2,346	2,347	2,348	2,332	2,348	2,348
<b>Local</b> .....	7,004	7,016	7,023	7,037	7,057	7,081	7,094	7,109	7,107	7,120	7,128	7,144	7,163

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

benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors and differ from data previously published. See the article in this issue for additional information.

NOTE: Data in this table have been revised to reflect March 1995

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-5. Production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(In thousands)

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Total private</b> .....	79,871	80,036	80,111	80,340	80,523	80,585	80,703	80,907	80,706	81,303	81,397	81,516	81,719
<b>Goods-producing</b> .....	17,207	17,207	17,166	17,179	17,179	17,144	17,132	17,162	17,131	17,270	17,189	17,197	17,213
<b>Mining</b> .....	426	424	423	422	421	419	416	417	419	425	426	425	427
<b>Construction</b> .....	3,950	3,975	3,978	3,992	4,011	4,018	4,026	4,037	4,056	4,174	4,138	4,150	4,166
<b>Manufacturing</b> .....	12,831	12,808	12,765	12,765	12,747	12,707	12,690	12,708	12,656	12,671	12,617	12,622	12,620
<b>Durable goods</b> .....	7,313	7,300	7,286	7,300	7,294	7,272	7,270	7,309	7,288	7,298	7,262	7,291	7,299
Lumber and wood products .....	628	624	624	625	626	626	625	627	615	620	620	625	626
Furniture and fixtures .....	404	403	398	401	400	398	398	399	397	396	394	393	396
Stone, clay, and glass products .....	417	417	414	416	415	416	415	415	412	417	418	416	417
Primary metal industries .....	554	553	549	551	549	549	551	551	552	550	550	547	548
Blast furnaces and basic steel products .....	185	185	183	184	183	183	184	183	183	183	183	182	184
Fabricated metal products .....	1,083	1,081	1,079	1,079	1,079	1,080	1,081	1,081	1,082	1,082	1,082	1,080	1,083
Industrial machinery and equipment .....	1,287	1,289	1,291	1,293	1,295	1,299	1,302	1,306	1,304	1,302	1,301	1,300	1,299
Electronic and other electrical equipment .....	1,044	1,042	1,045	1,044	1,045	1,047	1,050	1,052	1,052	1,055	1,052	1,052	1,052
Transportation equipment .....	1,206	1,201	1,200	1,203	1,197	1,170	1,159	1,190	1,188	1,189	1,159	1,193	1,193
Motor vehicles and equipment .....	760	758	759	761	758	759	745	758	757	758	727	758	770
Instruments and related products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Miscellaneous manufacturing .....	276	276	272	274	274	273	276	276	274	275	274	272	271
<b>Nondurable goods</b> .....	5,518	5,508	5,479	5,465	5,453	5,435	5,420	5,399	5,368	5,373	5,355	5,331	5,321
Food and kindred products .....	1,239	1,246	1,236	1,231	1,237	1,236	1,237	1,236	1,235	1,237	1,238	1,230	1,229
Tobacco products .....	32	32	32	32	32	32	32	32	31	32	32	32	31
Textile mill products .....	569	565	559	559	555	553	551	548	539	545	543	537	539
Apparel and other textile products .....	787	778	772	763	755	744	734	725	713	718	707	704	699
Paper and allied products .....	527	525	525	524	523	522	520	519	519	517	516	513	512
Printing and publishing .....	846	848	847	846	844	842	843	841	839	837	837	835	832
Chemicals and allied products .....	577	577	579	579	579	580	579	577	577	574	572	571	569
Petroleum and coal products .....	94	94	93	93	92	92	89	90	90	90	90	89	90
Rubber and misc. plastics products .....	763	760	754	756	754	754	755	752	748	746	744	744	745
Leather and leather products .....	84	83	82	82	82	80	80	79	77	77	76	76	75
<b>Service-producing</b> .....	62,664	62,829	62,945	63,161	63,344	63,441	63,571	63,745	63,575	64,033	64,208	64,319	64,506
<b>Transportation and public utilities</b> .....	5,137	5,149	5,158	5,179	5,191	5,207	5,229	5,243	5,245	5,275	5,286	5,288	5,302
<b>Wholesale trade</b> .....	5,169	5,191	5,206	5,214	5,227	5,235	5,244	5,257	5,267	5,281	5,294	5,293	5,293
<b>Retail trade</b> .....	18,577	18,624	18,642	18,670	18,697	18,699	18,722	18,758	18,647	18,780	18,796	18,856	18,872
<b>Finance, insurance, and real estate</b> .....	4,959	4,968	4,974	4,984	4,993	5,003	5,011	5,021	5,027	5,046	5,061	5,066	5,080
<b>Services</b> .....	28,822	28,897	28,965	29,114	29,236	29,297	29,365	29,466	29,389	29,651	29,761	29,816	29,959

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

<sup>2</sup> This series is not published seasonally adjusted because the seasonal component, which is small relative to the trend-cycle and irregular

components, cannot be separated with sufficient precision.

<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors and differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
DIFFUSION INDEXES  
SEASONALLY ADJUSTED**

**B-6. Diffusion indexes of employment change, seasonally adjusted**

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Private nonfarm payrolls, 356 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1992 .....	43.7	43.7	50.0	57.3	55.5	50.1	52.2	49.0	52.1	56.3	53.2	57.4
1993 .....	60.0	60.8	51.3	58.6	61.7	55.2	57.7	57.0	61.8	59.7	61.8	59.6
1994 .....	58.8	82.1	66.0	64.2	60.3	63.5	61.5	62.1	60.8	61.5	63.1	63.9
1995 .....	63.2	59.3	54.9	54.6	51.4	55.1	54.1	57.4	51.8	54.8	56.3	59.4
1996 .....	52.4	63.2	60.0	P 51.5	P 59.4							
<b>Over 3-month span:</b>												
1992 .....	39.7	41.9	49.7	57.0	58.4	55.8	50.6	50.1	52.8	54.4	57.6	61.2
1993 .....	63.8	61.2	61.1	59.8	63.1	62.9	59.7	63.1	64.5	67.1	64.6	63.5
1994 .....	67.1	69.5	70.4	68.7	66.4	66.0	68.5	69.5	65.3	65.6	68.0	67.8
1995 .....	66.6	63.2	56.9	53.4	54.2	52.9	56.6	53.8	54.2	54.6	58.3	57.0
1996 .....	60.7	61.8	P 61.0	P 59.1								
<b>Over 6-month span:</b>												
1992 .....	43.3	46.8	47.5	52.5	54.9	56.7	53.8	52.2	55.5	57.6	63.9	61.9
1993 .....	63.3	65.2	63.8	64.2	62.4	65.9	65.7	63.9	66.3	67.3	70.6	69.5
1994 .....	70.8	71.6	69.0	69.8	69.5	69.5	69.2	69.0	69.2	68.5	69.1	66.6
1995 .....	86.3	60.8	58.7	54.4	53.5	54.1	53.1	56.3	55.9	54.1	56.2	61.8
1996 .....	P 59.7	P 60.3										
<b>Over 12-month span:</b>												
1992 .....	47.2	42.3	42.7	44.1	48.0	52.5	55.8	60.7	59.7	61.4	62.9	62.9
1993 .....	64.9	63.9	64.0	65.4	67.0	67.6	67.6	67.0	70.2	69.5	69.2	70.1
1994 .....	70.2	71.6	71.8	71.8	72.1	71.8	71.5	72.1	70.1	69.4	65.7	65.0
1995 .....	62.6	60.8	60.1	61.2	58.1	57.7	54.5	58.7	58.6	P 57.3	P 58.7	
1996 .....												
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1992 .....	37.4	39.9	43.9	56.8	50.0	48.9	52.2	44.6	47.5	47.8	51.4	54.7
1993 .....	52.5	56.5	50.7	45.7	54.0	45.7	49.3	49.3	59.4	53.2	53.6	55.0
1994 .....	56.5	60.1	59.7	58.6	53.2	57.9	57.6	53.6	55.8	54.7	57.2	59.4
1995 .....	56.8	55.0	46.0	45.3	39.2	40.3	45.0	45.0	42.4	45.3	46.4	47.5
1996 .....	42.1	48.2	48.2	P 39.9	P 51.4							
<b>Over 3-month span:</b>												
1992 .....	29.9	33.5	43.9	49.6	55.4	53.2	46.8	47.8	45.7	47.5	51.1	54.7
1993 .....	60.8	58.3	53.2	47.8	48.9	54.0	50.4	58.3	57.6	59.7	54.7	57.6
1994 .....	63.7	64.4	66.2	60.8	56.1	56.8	60.8	58.6	54.0	56.1	60.1	60.8
1995 .....	60.4	51.8	43.5	34.9	33.1	32.0	33.1	35.6	38.8	39.6	40.6	38.8
1996 .....	38.8	39.9	P 37.1	P 39.9								
<b>Over 6-month span:</b>												
1992 .....	32.4	34.9	39.9	46.8	52.2	54.3	48.2	47.8	51.1	51.1	56.8	56.5
1993 .....	56.5	59.0	56.8	55.4	50.7	57.9	59.4	56.5	57.6	58.6	64.4	60.8
1994 .....	62.2	64.4	60.4	61.5	59.0	56.8	56.5	57.2	60.1	55.8	59.7	55.8
1995 .....	55.4	45.0	38.5	33.5	27.7	28.8	28.8	30.6	33.5	33.1	34.2	38.8
1996 .....	P 31.3	P 33.8										
<b>Over 12-month span:</b>												
1992 .....	42.4	36.7	36.3	36.0	39.6	45.7	50.0	55.8	57.9	56.8	58.3	56.5
1993 .....	56.8	57.9	55.8	58.6	57.2	57.6	58.6	59.0	61.2	59.7	60.1	57.6
1994 .....	57.9	58.6	60.8	60.8	60.8	63.3	59.4	60.1	57.2	55.8	49.6	47.5
1995 .....	42.1	40.3	39.9	40.6	34.5	31.7	25.9	28.8	28.1	P 24.5	P 26.3	
1996 .....												

<sup>1</sup> Based on seasonally adjusted data for 1-, 3-, and 6-month spans and unadjusted data for the 12-month span. Data are centered within the span.

P = preliminary.

NOTE: Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment, where 50 percent indicates an equal balance between industries with increasing and decreasing

employment. Data in this table have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors. As a result, unadjusted data (beginning April 1994) and seasonally adjusted data (beginning January 1988) differ from those previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
	Total <sup>1</sup>												
Alabama .....	1,797.6	1,800.6	1,807.6	1,804.3	1,809.2	1,811.9	1,813.8	1,815.9	1,815.0	1,814.8	1,813.2	1,816.2	1,816.0
Alaska .....	260.1	261.6	263.4	262.7	263.3	263.0	263.6	264.0	263.7	260.9	264.7	263.2	261.1
Arizona .....	1,773.0	1,775.9	1,778.0	1,782.4	1,787.3	1,795.2	1,795.3	1,804.9	1,813.2	1,822.8	1,835.1	1,839.8	1,842.4
Arkansas .....	1,062.5	1,062.1	1,067.1	1,069.7	1,072.7	1,074.9	1,075.7	1,077.5	1,080.8	1,080.4	1,080.4	1,082.1	1,080.2
California .....	12,371.2	12,405.6	12,426.5	12,447.4	12,489.4	12,532.1	12,532.3	12,555.3	12,570.6	12,590.1	12,621.5	12,635.9	12,645.9
Colorado .....	1,819.0	1,826.4	1,834.1	1,845.8	1,851.9	1,857.9	1,861.3	1,870.4	1,879.6	1,885.7	1,888.5	1,897.0	1,895.5
Connecticut .....	1,563.5	1,562.4	1,562.9	1,564.5	1,568.1	1,569.7	1,568.0	1,563.1	1,562.7	1,565.2	1,576.1	1,576.8	1,575.1
Delaware .....	364.1	364.7	362.3	367.0	368.1	369.0	368.4	369.1	371.0	365.7	374.1	372.5	378.2
District of Columbia .....	644.4	642.9	642.3	647.2	642.1	642.6	640.2	638.4	637.7	629.9	634.2	633.9	633.5
Florida .....	5,942.1	5,965.2	5,987.8	5,999.3	6,019.0	6,059.7	6,059.6	6,082.1	6,100.8	6,089.2	6,109.9	6,142.9	6,128.3
Georgia .....	3,377.9	3,392.4	3,410.9	3,428.8	3,443.6	3,447.6	3,462.1	3,475.9	3,483.2	3,481.0	3,498.8	3,513.6	3,520.7
Hawaii .....	533.0	533.9	533.7	531.5	531.0	531.5	531.0	530.6	529.5	527.7	530.6	529.2	527.2
Idaho .....	472.6	473.6	475.1	474.6	476.5	478.3	481.9	482.9	484.8	485.0	485.6	488.3	493.3
Illinois .....	5,577.2	5,580.9	5,594.5	5,616.4	5,611.0	5,625.5	5,629.1	5,635.7	5,643.8	5,666.0	5,668.8	5,682.4	5,685.2
Indiana .....	2,780.4	2,784.5	2,778.0	2,763.4	2,759.2	2,794.0	2,794.2	2,794.7	2,797.9	2,797.9	2,800.7	2,802.3	2,801.1
Iowa .....	1,350.4	1,350.9	1,356.3	1,356.8	1,359.9	1,360.5	1,365.0	1,367.7	1,373.8	1,372.8	1,370.7	1,378.5	1,375.4
Kansas .....	1,190.9	1,193.6	1,196.0	1,198.1	1,201.4	1,204.3	1,215.1	1,211.1	1,218.9	1,226.1	1,225.0	1,226.5	1,220.9
Kentucky .....	1,636.2	1,637.7	1,646.6	1,638.9	1,643.0	1,648.2	1,650.7	1,652.9	1,658.6	1,651.0	1,657.5	1,660.6	1,664.7
Louisiana .....	1,759.3	1,766.4	1,775.7	1,776.1	1,778.1	1,790.5	1,793.5	1,794.9	1,795.4	1,799.9	1,801.7	1,799.9	1,796.8
Maine .....	540.0	541.6	541.5	540.7	541.9	542.8	543.7	544.6	545.4	544.3	544.8	544.5	542.5
Maryland .....	2,179.1	2,175.7	2,181.6	2,185.9	2,184.8	2,186.0	2,183.2	2,184.1	2,183.2	2,165.8	2,191.2	2,197.4	2,196.5
Massachusetts .....	2,964.8	2,963.1	2,968.8	2,982.6	2,985.3	2,990.8	2,994.1	2,997.9	3,001.5	3,000.1	3,007.4	3,011.1	3,007.7
Michigan .....	4,252.5	4,256.9	4,245.1	4,246.1	4,253.1	4,253.9	4,272.2	4,266.0	4,292.1	4,293.4	4,296.8	4,293.1	4,300.3
Minnesota .....	2,356.9	2,364.0	2,373.6	2,388.8	2,388.3	2,382.7	2,385.4	2,391.5	2,390.8	2,393.2	2,400.3	2,409.3	2,410.5
Mississippi .....	1,072.1	1,074.1	1,073.2	1,075.9	1,081.4	1,078.2	1,077.3	1,073.9	1,077.7	1,078.4	1,077.1	1,078.8	1,080.2
Missouri .....	2,517.3	2,515.0	2,517.9	2,522.4	2,523.7	2,527.7	2,533.5	2,538.1	2,545.8	2,548.2	2,553.0	2,561.0	2,553.7
Montana .....	347.3	348.5	350.6	351.6	351.5	351.9	352.3	352.7	353.3	352.0	355.4	356.2	355.2
Nebraska .....	812.2	808.6	813.2	814.6	823.0	818.2	817.9	817.7	819.8	818.9	822.7	824.6	823.0
Nevada .....	775.7	778.4	783.7	793.9	797.7	804.7	809.0	814.3	817.3	823.2	827.0	831.5	836.8
New Hampshire .....	537.7	537.7	539.8	542.9	543.0	542.8	542.5	545.3	546.1	542.4	544.7	545.2	547.0
New Jersey .....	3,599.1	3,600.1	3,599.8	3,606.6	3,614.5	3,617.0	3,619.7	3,621.0	3,622.3	3,595.8	3,623.5	3,630.5	3,631.9
New Mexico .....	683.0	687.6	691.3	686.4	689.8	691.8	695.4	700.2	703.6	707.0	709.0	710.9	710.9
New York .....	7,870.7	7,860.8	7,862.6	7,863.3	7,871.7	7,879.2	7,889.8	7,895.2	7,903.9	7,879.1	7,909.8	7,921.3	7,920.1
North Carolina .....	3,441.5	3,445.0	3,450.3	3,457.6	3,461.5	3,475.7	3,478.0	3,481.2	3,483.3	3,456.0	3,495.0	3,503.7	3,508.0
North Dakota .....	300.6	301.7	301.5	301.7	303.2	302.8	303.4	305.3	305.3	304.7	305.6	307.4	307.1
Ohio .....	5,211.3	5,217.5	5,237.5	5,237.4	5,248.4	5,255.4	5,266.3	5,277.8	5,287.5	5,283.8	5,294.0	5,292.9	5,298.1
Oklahoma .....	1,305.2	1,310.0	1,313.1	1,312.0	1,317.4	1,319.4	1,325.7	1,332.2	1,336.8	1,334.0	1,334.1	1,341.6	1,340.5
Oregon .....	1,401.5	1,407.2	1,413.9	1,420.9	1,426.1	1,431.8	1,434.5	1,437.9	1,444.7	1,457.0	1,453.8	1,459.4	1,462.8
Pennsylvania .....	5,248.8	5,248.8	5,253.3	5,256.9	5,255.1	5,254.0	5,257.5	5,253.9	5,253.1	5,202.7	5,258.3	5,272.9	5,263.8
Rhode Island .....	440.4	439.7	439.4	437.1	441.9	442.7	443.2	443.2	443.9	443.8	445.0	445.3	444.2
South Carolina .....	1,640.7	1,644.6	1,649.2	1,658.9	1,662.5	1,660.2	1,657.6	1,659.6	1,659.4	1,655.5	1,658.9	1,662.0	1,668.8
South Dakota .....	341.0	342.0	343.7	343.6	345.0	345.7	347.4	348.7	349.6	351.1	351.8	352.8	351.3
Tennessee .....	2,481.7	2,489.5	2,495.8	2,497.0	2,502.1	2,522.4	2,527.1	2,535.6	2,546.6	2,543.1	2,546.5	2,574.8	2,551.5
Texas .....	7,971.6	7,992.5	8,012.0	8,006.4	8,039.0	8,065.8	8,111.2	8,141.0	8,171.7	8,158.9	8,171.6	8,195.6	8,216.0
Utah .....	897.6	900.0	904.9	907.8	913.5	919.6	922.8	926.4	931.4	933.3	937.9	944.8	951.3
Vermont .....	269.6	269.6	269.3	269.3	269.9	271.0	272.7	272.2	272.6	272.9	273.0	273.5	274.0
Virginia .....	3,061.4	3,062.7	3,068.0	3,060.7	3,061.9	3,067.4	3,081.5	3,064.5	3,085.6	3,065.6	3,099.5	3,111.7	3,103.9
Washington .....	2,341.3	2,344.0	2,354.0	2,348.6	2,356.5	2,357.6	2,340.2	2,342.9	2,367.1	2,363.6	2,368.5	2,381.0	2,384.2
West Virginia .....	686.1	685.6	687.0	683.8	689.8	689.2	693.1	692.5	692.0	686.1	693.8	696.2	695.9
Wisconsin .....	2,549.9	2,551.9	2,559.9	2,562.0	2,563.2	2,561.7	2,564.6	2,566.2	2,568.5	2,576.8	2,564.2	2,574.6	2,568.2
Wyoming .....	219.6	218.5	220.1	220.0	219.7	220.1	221.0	220.1	221.4	222.6	222.8	223.3	222.8

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED

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

(In thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
	Construction												
Alabama .....	86.2	85.6	85.4	85.6	86.9	87.5	87.7	87.9	87.7	89.6	88.5	88.9	88.2
Alaska .....	12.6	12.9	13.0	13.0	13.1	13.0	13.0	13.1	12.9	12.8	12.9	12.4	12.8
Arizona .....	116.8	116.4	116.1	116.5	117.2	117.9	118.0	119.0	120.6	122.6	124.6	122.7	122.9
Arkansas .....	43.5	43.5	43.9	44.4	44.4	45.5	45.0	44.9	45.2	45.3	46.2	46.7	46.4
California .....	479.5	483.0	487.7	491.3	496.4	500.7	501.3	505.6	505.7	512.7	503.7	496.1	500.2
Colorado .....	100.7	100.9	101.9	102.1	102.5	103.6	103.7	105.3	108.4	110.5	113.4	114.6	112.6
Connecticut .....	51.7	51.3	51.4	50.5	50.8	50.6	51.3	50.9	51.0	51.8	53.7	54.3	54.2
Delaware .....	19.0	19.0	18.5	18.7	18.7	19.2	19.0	19.0	19.1	18.3	19.3	19.9	20.3
District of Columbia .....	8.9	9.1	9.0	9.2	9.1	9.1	9.1	9.0	8.9	8.2	8.7	9.1	9.2
Florida .....	304.3	303.9	303.9	302.3	302.0	302.1	301.7	305.4	306.7	307.4	311.9	312.3	313.1
Georgia .....	147.4	149.8	151.1	153.8	154.9	156.4	158.4	159.7	160.8	160.8	163.7	164.1	163.3
Hawaii <sup>2</sup> .....	26.5	26.3	26.3	26.1	26.1	26.1	26.3	26.2	26.0	25.5	24.9	24.7	24.8
Idaho .....	29.3	29.1	29.5	29.2	29.6	30.0	30.8	31.0	31.3	31.5	32.1	32.7	33.8
Illinois .....	214.6	211.6	216.9	219.2	217.5	218.3	217.3	214.5	216.2	219.0	217.1	218.7	217.4
Indiana .....	130.6	130.9	133.5	131.8	130.0	128.5	127.1	125.4	127.3	128.7	130.2	130.7	131.4
Iowa .....	53.7	52.4	53.9	54.5	55.0	55.4	55.7	55.9	58.5	56.0	56.3	56.7	56.9
Kansas .....	50.8	50.0	50.1	50.8	50.9	51.6	52.8	53.2	53.8	56.9	57.5	57.9	57.7
Kentucky .....	73.8	72.9	73.3	73.1	72.9	73.3	72.0	71.8	72.0	71.4	73.0	73.7	74.7
Louisiana .....	100.7	99.9	103.7	105.8	106.6	107.9	110.2	109.7	109.1	112.6	112.6	113.1	111.1
Maine .....	21.9	21.8	21.6	21.6	21.7	22.0	22.2	22.3	22.4	22.3	22.1	22.0	21.8
Maryland .....	128.0	126.3	126.3	125.9	125.9	126.5	126.3	126.3	126.4	117.6	127.7	130.6	130.1
Massachusetts .....	90.5	89.9	90.7	91.2	91.3	90.5	90.7	90.7	90.8	90.3	93.1	92.0	92.8
Michigan .....	154.1	153.9	154.3	154.0	153.7	155.0	156.0	155.3	159.5	160.1	160.6	163.7	164.6
Minnesota .....	81.1	82.2	83.5	84.1	84.2	83.9	83.5	83.0	83.3	82.2	83.0	83.3	83.1
Mississippi .....	44.9	44.7	45.0	46.4	45.6	45.3	46.1	45.6	46.6	47.7	47.2	49.2	49.7
Missouri .....	114.0	110.6	111.3	111.3	108.4	110.2	110.5	111.0	111.5	113.1	112.9	114.1	114.4
Montana .....	15.6	15.9	16.2	16.3	16.4	16.7	16.2	16.0	16.1	16.1	16.4	16.2	15.7
Nebraska .....	33.7	32.1	33.0	34.0	34.5	35.0	34.8	34.7	34.7	34.5	34.5	35.2	33.9
Nevada .....	59.1	59.8	60.9	62.0	63.0	64.7	66.6	67.7	69.0	69.3	70.0	70.2	71.0
New Hampshire .....	19.3	19.4	19.5	19.4	19.7	20.0	19.9	20.3	20.2	20.2	20.0	19.8	19.7
New Jersey .....	124.6	124.2	124.2	123.5	124.0	123.5	123.2	123.5	123.1	119.4	123.5	124.6	125.0
New Mexico .....	44.4	45.3	46.2	45.1	45.7	46.2	46.5	47.2	48.2	48.3	49.1	49.4	50.1
New York .....	255.5	252.2	250.3	250.2	250.3	250.8	250.2	249.7	249.3	242.7	246.5	247.4	250.7
North Carolina .....	173.3	172.9	173.1	174.0	175.4	176.4	176.4	176.1	176.6	166.5	177.9	179.7	178.6
North Dakota .....	13.4	13.9	13.6	13.7	14.0	13.6	13.4	13.6	13.6	13.8	13.7	14.1	14.3
Ohio .....	206.9	205.9	207.4	206.9	206.4	206.4	207.7	208.1	209.8	208.5	210.2	213.5	213.9
Oklahoma .....	47.6	47.8	47.8	47.6	48.1	48.2	48.0	48.6	49.0	49.4	49.0	49.2	49.6
Oregon .....	65.9	66.3	67.3	68.4	69.1	69.5	69.7	70.5	69.8	72.7	73.4	72.7	73.9
Pennsylvania .....	203.3	199.2	199.9	201.5	201.7	201.1	200.7	199.3	198.5	195.4	199.5	203.3	200.6
Rhode Island .....	13.5	13.4	13.3	13.3	13.3	13.4	13.8	13.7	13.5	13.8	13.8	13.7	13.4
South Carolina .....	86.1	86.6	87.0	87.6	87.4	87.0	86.6	86.6	86.4	87.3	88.4	88.3	89.0
South Dakota .....	13.7	13.6	14.2	14.1	14.2	14.2	14.2	14.3	14.4	14.8	14.8	14.7	14.4
Tennessee .....	107.4	107.0	108.4	109.0	109.0	109.2	109.4	109.2	109.4	111.8	112.2	115.6	115.6
Texas .....	401.9	405.9	407.3	405.1	408.0	411.7	418.4	420.1	423.0	426.0	425.9	426.5	427.7
Utah .....	52.3	52.6	53.5	54.1	55.3	56.4	57.1	57.3	57.9	58.1	59.1	62.7	62.8
Vermont .....	13.3	12.0	11.5	12.1	12.1	12.0	12.4	12.2	12.1	12.5	12.3	12.9	12.9
Virginia .....	167.5	167.2	167.3	165.9	166.4	167.2	167.8	169.7	170.9	162.8	170.4	173.2	170.3
Washington .....	122.0	122.4	123.2	121.5	122.1	122.6	123.2	123.0	123.2	123.2	123.2	124.7	123.7
West Virginia .....	33.6	32.7	32.7	32.2	32.4	32.3	32.8	32.8	32.8	28.9	32.7	32.7	33.1
Wisconsin .....	98.9	98.9	100.3	102.5	102.5	101.9	102.5	101.9	101.3	100.9	98.5	102.1	102.6
Wyoming .....	14.2	13.5	14.1	13.8	14.0	14.3	14.3	14.3	14.7	15.3	15.4	15.4	14.8

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995								1996				
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
<b>Manufacturing</b>													
Alabama .....	393.3	392.5	391.8	390.4	389.1	389.0	388.3	388.4	387.1	385.5	384.9	380.9	378.5
Alaska .....	16.4	16.7	16.8	17.3	17.3	17.1	18.0	18.4	18.4	16.3	19.1	17.8	15.2
Arizona .....	192.0	192.2	192.3	192.6	192.7	193.2	193.7	194.3	195.3	196.0	197.3	197.4	197.7
Arkansas .....	259.5	258.6	258.7	257.3	258.8	258.2	257.9	258.6	258.8	258.1	257.4	256.6	254.9
California .....	1,786.5	1,785.7	1,787.5	1,794.7	1,796.4	1,798.3	1,800.5	1,799.8	1,801.3	1,801.7	1,803.9	1,807.1	1,807.8
Colorado .....	190.8	191.2	191.3	192.1	192.1	192.5	192.7	192.8	192.5	193.5	193.7	194.2	194.7
Connecticut .....	281.8	281.3	280.9	280.3	281.4	279.5	279.2	278.3	277.7	277.3	278.0	278.2	277.3
Delaware .....	62.6	62.5	59.5	62.6	62.3	61.0	61.5	61.1	61.1	57.3	61.5	57.6	62.5
District of Columbia .....	12.9	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	12.8	12.9	12.9	13.0
Florida .....	483.5	483.1	482.8	482.7	482.6	481.8	481.6	481.7	481.5	479.9	480.2	480.2	479.0
Georgia .....	590.3	589.8	588.6	588.4	588.2	587.3	585.4	586.0	586.0	586.9	588.4	588.1	587.0
Hawaii .....	16.9	16.9	16.9	16.8	16.9	16.9	17.1	17.0	17.0	16.9	16.7	16.5	16.5
Idaho .....	70.8	70.4	70.2	70.1	70.5	70.6	72.0	71.6	72.0	71.9	72.0	73.0	73.8
Illinois .....	966.8	967.2	966.6	967.2	968.1	968.8	967.9	968.4	970.3	977.8	977.8	978.4	979.4
Indiana .....	684.5	685.2	683.9	681.0	682.1	683.7	683.8	684.0	683.5	680.9	681.7	678.9	677.5
Iowa .....	251.7	251.0	249.8	249.3	249.1	249.9	250.0	250.4	250.9	251.1	249.3	250.0	250.3
Kansas .....	191.7	192.0	192.3	191.4	192.1	192.6	194.0	187.0	194.1	195.1	195.2	194.8	195.1
Kentucky .....	313.2	313.9	314.7	313.3	313.4	313.8	314.3	314.4	315.3	314.2	314.8	314.1	313.4
Louisiana .....	187.8	188.3	188.4	188.8	189.0	188.6	188.7	188.7	188.8	188.9	189.5	187.4	189.6
Maine .....	92.2	92.1	91.8	91.1	91.5	91.2	91.1	91.3	90.9	91.0	90.4	90.1	89.6
Maryland .....	176.5	176.7	175.7	176.0	174.8	174.9	173.5	174.9	174.3	172.6	174.2	173.9	174.3
Massachusetts .....	445.0	443.4	443.4	446.0	445.2	444.3	445.6	446.1	447.1	446.3	446.2	444.8	443.7
Michigan .....	985.6	982.3	972.5	974.8	973.4	969.0	973.1	958.8	971.6	972.3	967.8	946.2	959.9
Minnesota .....	424.8	425.3	426.1	426.2	427.8	426.5	426.4	427.2	426.8	427.4	427.0	428.6	430.8
Mississippi .....	281.1	260.8	259.2	257.3	256.9	255.0	253.9	251.2	251.1	249.5	247.5	244.9	245.3
Missouri .....	422.7	421.6	421.9	420.0	423.0	421.7	421.0	420.4	420.9	422.8	422.6	420.3	420.9
Montana .....	23.3	23.4	23.6	23.3	23.2	23.0	23.0	23.1	23.1	23.3	23.1	23.5	23.7
Nebraska .....	112.1	112.1	111.9	112.1	111.9	112.1	111.8	111.6	111.5	112.4	112.3	112.5	112.6
Nevada .....	36.2	36.2	36.3	36.8	36.8	37.3	37.6	38.0	38.1	38.6	38.7	38.7	38.6
New Hampshire .....	102.7	102.2	102.2	101.7	101.7	101.7	101.3	101.8	102.1	101.7	101.8	101.8	101.5
New Jersey .....	503.6	501.8	499.2	500.6	498.4	497.4	495.4	493.7	492.4	488.1	492.8	492.4	489.8
New Mexico .....	45.1	45.3	45.4	45.0	44.6	45.2	45.6	45.9	46.0	46.1	46.2	46.5	46.6
New York .....	945.3	942.9	941.7	945.3	946.8	944.5	943.6	943.2	943.8	943.9	943.2	939.6	936.3
North Carolina .....	867.7	862.8	859.0	860.4	858.4	857.4	854.6	853.1	851.7	844.2	849.1	846.5	843.3
North Dakota .....	21.4	21.6	21.4	21.1	21.1	21.0	21.0	21.5	21.4	21.0	21.0	21.1	21.2
Ohio .....	1,102.8	1,104.1	1,106.3	1,101.7	1,104.0	1,101.1	1,103.4	1,101.0	1,099.8	1,096.2	1,095.9	1,082.6	1,090.6
Oklahoma .....	170.1	169.9	170.2	169.6	170.0	169.2	169.8	170.2	170.1	167.5	166.9	171.1	170.9
Oregon .....	227.0	227.1	227.3	227.9	226.9	228.3	228.0	229.0	229.5	232.4	230.3	231.3	230.6
Pennsylvania .....	943.5	942.3	941.8	939.6	937.8	935.8	935.4	933.8	931.3	920.7	927.5	927.3	925.9
Rhode Island .....	85.5	85.3	84.8	80.7	83.9	84.5	84.0	83.6	83.3	83.2	83.4	83.5	83.3
South Carolina .....	381.1	379.5	378.2	377.7	378.0	376.5	375.9	374.7	373.8	373.2	372.9	372.2	369.2
South Dakota .....	46.1	46.0	46.6	46.4	46.5	46.7	46.7	47.1	46.7	47.2	47.1	46.6	46.9
Tennessee .....	543.7	544.3	542.8	540.2	541.0	540.4	539.3	538.8	537.3	535.8	535.6	534.6	530.6
Texas .....	1,028.7	1,026.9	1,028.8	1,027.3	1,029.8	1,031.7	1,033.2	1,035.8	1,038.5	1,040.6	1,037.5	1,036.4	1,038.7
Utah .....	123.1	123.4	123.7	123.2	123.9	124.6	125.0	125.8	126.2	126.6	127.7	128.4	129.7
Vermont .....	45.0	45.2	45.2	44.7	45.4	45.7	45.8	45.7	45.6	45.6	46.0	45.8	45.9
Virginia .....	404.4	402.9	403.0	402.8	400.2	399.9	398.9	397.8	398.1	393.4	398.8	397.5	395.6
Washington .....	338.4	336.8	337.0	333.9	332.5	333.3	310.4	310.2	332.2	331.8	332.0	332.5	333.3
West Virginia .....	82.2	82.0	82.2	81.8	82.2	82.3	83.2	82.2	82.4	81.4	82.3	82.4	82.1
Wisconsin .....	600.8	600.5	601.5	601.6	602.4	601.2	601.3	601.9	601.7	602.6	601.0	600.4	599.1
Wyoming .....	9.7	9.7	9.6	9.6	9.7	9.8	9.9	10.0	9.9	10.1	9.8	9.9	9.9

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
	Transportation and public utilities												
Alabama .....	89.7	89.6	89.7	89.4	89.2	89.2	89.5	89.1	88.9	89.4	89.2	88.6	88.9
Alaska .....	23.1	22.9	22.9	22.8	22.8	22.8	23.0	23.0	22.9	22.9	23.2	22.8	22.7
Arizona .....	86.4	85.9	85.8	86.0	85.9	86.1	86.5	86.6	86.4	87.5	88.2	88.1	88.2
Arkansas .....	63.6	63.2	63.5	63.6	63.9	64.6	64.6	64.5	65.3	65.7	65.4	65.5	65.9
California .....	629.1	629.5	630.3	633.2	635.9	635.0	635.2	634.3	629.9	628.7	631.8	632.2	634.7
Colorado .....	117.2	117.6	117.7	117.7	118.0	118.6	119.1	119.5	119.9	121.0	121.3	121.7	121.7
Connecticut .....	72.5	72.0	71.8	71.6	71.5	71.6	72.3	71.3	71.5	71.2	71.5	71.4	71.6
Delaware .....	15.8	15.8	15.9	15.9	15.9	15.9	15.8	15.9	15.9	16.1	16.4	16.5	16.5
District of Columbia .....	19.7	19.8	20.1	19.7	19.8	19.8	20.0	20.0	20.0	19.6	19.8	19.6	19.6
Florida .....	302.9	303.2	303.6	302.6	303.5	304.9	304.6	305.3	306.5	307.7	308.4	309.2	309.1
Georgia .....	214.2	214.7	215.4	214.8	215.2	215.8	217.0	217.6	218.0	218.5	219.3	220.7	221.4
Hawaii .....	40.6	40.7	40.9	40.7	40.9	40.6	40.7	40.7	40.9	40.8	40.8	40.7	40.1
Idaho .....	22.4	22.5	22.6	22.7	22.7	22.8	23.2	23.2	23.1	23.3	23.5	23.4	23.4
Illinois .....	322.0	321.3	321.7	324.9	324.1	324.2	327.9	327.5	329.1	327.4	327.0	327.0	329.1
Indiana .....	140.5	140.4	141.0	140.3	141.3	139.1	139.5	140.0	140.1	140.3	140.1	139.8	140.1
Iowa .....	61.1	61.1	60.9	61.3	61.6	61.3	62.1	62.2	62.9	62.7	62.8	62.8	62.2
Kansas .....	67.9	67.9	67.0	68.3	68.1	67.7	68.7	69.1	68.3	69.2	69.2	69.3	69.8
Kentucky .....	90.5	90.4	90.4	91.3	91.7	92.1	92.3	92.5	92.6	93.4	93.0	92.8	92.8
Louisiana .....	108.2	107.5	107.7	107.7	108.0	107.9	107.9	107.8	107.8	107.5	107.7	106.4	106.9
Maine .....	22.2	22.3	22.5	22.2	22.3	22.1	22.3	22.2	22.3	22.1	22.2	22.1	22.1
Maryland .....	106.3	106.0	105.1	105.6	105.5	105.1	105.0	104.8	104.5	106.0	106.7	106.5	106.4
Massachusetts .....	126.9	127.2	127.1	128.0	128.8	127.9	129.7	129.9	129.5	128.7	128.4	128.6	126.8
Michigan .....	166.1	165.0	164.9	164.8	165.2	164.6	166.0	166.5	167.0	168.7	170.4	171.3	168.8
Minnesota .....	116.4	116.5	116.6	117.8	117.5	117.2	117.6	117.2	116.7	117.3	118.7	119.4	119.2
Mississippi .....	50.3	50.6	50.3	49.9	49.8	49.8	49.6	49.5	49.3	49.4	49.9	49.2	49.2
Missouri .....	158.4	158.1	157.3	158.6	159.1	160.0	161.8	161.7	161.9	163.4	163.2	163.3	163.6
Montana .....	20.8	20.8	20.7	20.8	20.8	20.9	20.6	20.7	20.8	20.9	20.9	21.1	21.2
Nebraska .....	49.3	49.5	49.4	49.6	49.7	49.7	50.0	49.6	49.4	49.3	49.3	49.5	49.3
Nevada .....	40.3	40.2	40.4	40.7	41.0	41.1	41.3	41.6	41.7	41.9	42.0	42.2	42.4
New Hampshire .....	19.7	19.6	19.6	19.9	20.1	20.0	20.0	20.1	20.3	20.4	20.3	20.1	20.3
New Jersey .....	252.6	252.2	251.1	253.0	253.1	252.8	252.8	252.2	252.0	251.9	249.3	247.7	249.4
New Mexico .....	30.8	31.0	31.1	31.1	31.1	30.9	30.7	31.2	31.3	31.5	31.4	31.3	31.4
New York .....	402.1	400.6	400.7	402.3	402.8	403.7	405.1	405.4	404.9	405.6	405.4	405.8	402.8
North Carolina .....	164.0	164.0	163.8	163.7	163.8	163.7	163.9	163.8	163.6	164.1	164.5	164.0	164.6
North Dakota .....	18.5	18.5	18.4	18.3	18.4	18.2	18.4	18.8	18.7	18.2	18.2	18.5	18.2
Ohio .....	228.7	228.7	228.8	229.3	228.9	229.8	230.8	231.5	231.3	232.3	229.4	228.4	229.1
Oklahoma .....	73.2	72.9	73.3	73.5	73.4	73.9	74.2	74.2	74.7	74.9	75.2	75.2	75.8
Oregon .....	70.8	71.0	71.3	71.1	71.2	71.0	71.1	71.8	72.2	73.2	72.7	72.9	73.0
Pennsylvania .....	272.9	272.2	271.7	272.7	272.8	273.0	273.1	272.5	271.3	268.6	270.0	270.6	270.1
Rhode Island .....	14.7	14.7	14.6	14.4	14.7	14.9	15.4	15.2	15.3	15.2	15.0	15.0	15.0
South Carolina .....	72.0	72.0	72.0	72.0	71.8	71.9	72.1	71.9	71.9	71.4	71.1	71.8	72.4
South Dakota .....	15.9	15.9	16.0	16.0	16.1	16.0	16.1	16.1	16.3	16.1	16.2	16.3	16.2
Tennessee .....	137.6	137.3	137.7	136.9	137.0	136.8	136.8	136.7	137.6	137.6	138.3	138.1	137.9
Texas .....	471.7	472.9	473.7	474.4	475.9	476.7	477.4	479.8	483.3	479.7	481.2	485.4	487.1
Utah .....	51.6	51.5	51.5	51.2	51.3	51.4	51.3	51.7	52.2	52.7	52.7	53.2	53.8
Vermont .....	11.7	11.8	12.0	11.6	11.7	11.9	12.1	12.0	12.1	11.9	12.0	12.1	12.0
Virginia .....	156.6	156.7	156.1	156.0	156.0	156.6	159.0	158.6	158.1	159.8	161.1	161.9	161.9
Washington .....	119.5	119.3	120.1	119.6	120.0	120.2	121.4	121.7	122.2	120.8	120.8	121.7	121.8
West Virginia .....	40.5	40.5	40.2	39.8	40.2	40.1	40.4	40.4	40.2	39.7	40.1	40.2	40.0
Wisconsin .....	119.9	119.7	120.2	119.8	119.3	119.4	119.6	119.4	119.1	119.5	119.1	119.3	119.5
Wyoming .....	13.8	13.7	13.8	13.6	13.5	13.4	13.4	13.6	13.6	13.6	13.6	13.6	13.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995										1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	
	Wholesale and retail trade													
Alabama .....	407.3	408.1	411.1	413.2	413.1	415.1	416.1	417.3	417.1	418.3	417.8	421.2	422.0	
Alaska .....	53.6	54.0	54.9	54.3	54.5	54.4	53.7	53.7	53.9	54.2	54.4	54.4	54.5	
Arizona .....	447.6	448.4	448.7	450.2	451.6	452.0	453.0	454.2	454.4	454.4	457.0	460.1	460.8	
Arkansas .....	240.9	241.5	242.4	243.7	243.2	243.3	244.6	245.1	245.9	246.1	246.5	248.0	247.9	
California .....	2,912.1	2,921.4	2,926.1	2,929.8	2,941.2	2,946.5	2,945.4	2,952.1	2,964.3	2,966.6	2,984.0	2,986.4	2,980.4	
Colorado .....	451.0	452.7	455.7	460.6	464.1	465.1	465.7	470.0	472.0	475.2	473.3	475.3	472.3	
Connecticut .....	341.1	340.6	340.5	340.8	341.1	340.2	340.8	340.7	340.5	341.0	343.3	344.3	344.3	
Delaware .....	81.7	81.9	82.3	82.3	82.7	84.0	84.2	83.9	84.5	83.8	84.7	85.8	85.9	
District of Columbia .....	53.1	53.0	53.0	52.9	51.6	52.2	52.1	52.0	51.6	50.2	51.2	51.6	52.1	
Florida .....	1,531.8	1,536.1	1,540.7	1,544.3	1,550.8	1,557.8	1,559.9	1,569.3	1,571.0	1,567.2	1,571.6	1,572.2	1,578.2	
Georgia .....	850.9	854.5	859.3	868.5	872.8	879.5	882.1	887.2	888.7	888.8	890.3	897.2	901.3	
Hawaii .....	135.2	135.6	135.8	135.9	136.2	136.4	135.6	135.6	134.9	135.0	134.9	134.8	135.0	
Idaho .....	120.2	120.8	121.5	120.8	121.4	121.7	122.5	123.2	123.6	123.8	123.2	123.4	123.9	
Illinois .....	1,313.0	1,313.8	1,316.9	1,316.2	1,313.4	1,320.1	1,323.3	1,328.1	1,330.1	1,338.4	1,334.8	1,341.4	1,344.0	
Indiana .....	663.3	665.2	668.5	670.6	672.5	673.1	674.0	675.7	677.6	676.4	677.6	682.8	684.0	
Iowa .....	338.2	339.4	340.0	341.9	342.3	342.1	341.4	341.8	343.6	343.2	343.2	345.2	343.0	
Kansas .....	292.0	293.3	294.7	295.5	296.4	298.1	301.5	301.8	301.8	302.6	302.1	304.1	303.8	
Kentucky .....	392.9	393.3	395.9	396.3	398.1	400.4	399.5	401.2	401.7	397.2	397.7	400.7	402.5	
Louisiana .....	412.9	414.8	416.7	415.1	417.5	420.2	422.8	424.2	426.7	425.7	426.9	426.4	424.6	
Maine .....	137.5	138.2	138.7	139.0	139.1	139.5	139.8	140.1	140.2	140.8	141.3	141.5	141.1	
Maryland .....	529.3	528.0	530.1	531.7	531.8	532.2	532.6	532.9	533.9	529.8	533.1	535.1	536.1	
Massachusetts .....	686.5	686.7	689.4	694.9	693.4	691.9	690.9	693.1	692.8	688.9	693.4	693.9	693.6	
Michigan .....	991.8	992.3	996.8	1,002.9	1,005.3	1,005.4	1,012.2	1,018.2	1,018.3	1,021.5	1,015.4	1,021.2	1,017.4	
Minnesota .....	571.8	573.9	576.1	578.1	577.7	576.6	580.4	581.6	582.1	584.5	583.2	587.4	587.4	
Mississippi .....	225.4	227.5	228.9	229.2	229.8	230.4	229.7	229.5	229.5	229.5	229.1	228.5	228.9	
Missouri .....	601.6	601.5	602.8	602.6	602.6	602.6	604.7	605.7	607.9	610.0	608.5	610.3	602.8	
Montana .....	94.9	95.2	96.0	96.4	96.4	97.1	97.0	97.2	97.5	97.9	98.1	98.2	97.8	
Nebraska .....	203.6	203.8	204.4	202.7	208.3	205.4	206.1	206.8	207.2	206.4	206.6	207.0	207.0	
Nevada .....	154.2	155.0	156.4	157.8	159.1	160.1	160.9	162.6	163.5	164.5	165.6	168.0	168.6	
New Hampshire .....	140.5	140.8	141.8	141.7	141.0	142.0	142.0	142.6	142.1	142.6	142.8	144.0	144.5	
New Jersey .....	847.7	849.1	849.1	849.0	850.3	853.0	854.5	856.5	856.4	849.0	856.4	858.5	858.2	
New Mexico .....	161.7	162.8	164.0	164.2	164.9	165.4	166.7	167.4	168.5	169.4	169.6	170.5	169.5	
New York .....	1,610.3	1,610.4	1,613.0	1,612.4	1,615.9	1,620.8	1,623.7	1,629.1	1,630.3	1,627.8	1,628.1	1,631.6	1,633.9	
North Carolina .....	792.3	795.7	798.6	804.9	805.8	806.3	806.2	809.5	809.5	804.3	812.1	815.3	814.6	
North Dakota .....	78.2	78.4	78.5	79.3	79.4	79.5	79.7	80.3	80.5	80.3	80.6	81.0	80.4	
Ohio .....	1,267.9	1,270.0	1,277.7	1,279.3	1,279.5	1,281.6	1,286.4	1,291.5	1,293.9	1,297.7	1,298.7	1,300.5	1,299.6	
Oklahoma .....	309.8	310.9	311.7	311.6	312.0	312.9	314.3	316.4	317.2	318.0	318.1	319.9	318.6	
Oregon .....	354.7	356.7	358.4	360.3	360.3	361.3	362.1	364.0	364.9	368.3	366.9	369.1	370.7	
Pennsylvania .....	1,195.0	1,197.6	1,200.3	1,203.7	1,201.6	1,200.6	1,200.1	1,201.5	1,203.7	1,198.3	1,215.1	1,216.5	1,214.3	
Rhode Island .....	97.5	97.5	97.9	98.3	98.3	98.2	97.8	97.8	97.9	96.7	97.0	96.6	96.4	
South Carolina .....	380.4	382.6	385.3	387.0	388.2	389.6	388.6	388.4	389.4	388.8	389.7	389.9	396.4	
South Dakota .....	86.9	87.2	87.4	87.4	88.2	87.8	89.1	89.3	89.4	90.3	89.9	90.7	89.6	
Tennessee .....	580.0	583.2	587.5	587.8	590.8	594.8	592.0	597.6	605.4	601.4	603.0	604.4	604.3	
Texas .....	1,934.1	1,937.9	1,946.5	1,947.2	1,951.4	1,958.8	1,974.4	1,981.9	1,989.0	1,985.4	1,982.9	1,983.6	1,985.7	
Utah .....	217.5	218.4	219.5	221.1	222.1	222.8	223.2	224.3	225.2	224.9	225.5	226.3	228.7	
Vermont .....	63.9	63.7	63.5	65.0	64.8	64.9	65.1	64.8	64.8	64.3	64.2	64.1	64.1	
Virginia .....	696.2	696.6	700.4	700.6	700.3	704.6	706.0	705.1	702.8	700.6	706.5	710.1	713.5	
Washington .....	578.1	578.4	583.0	582.7	586.5	586.3	586.7	587.4	587.4	584.8	584.9	586.5	588.4	
West Virginia .....	158.2	158.8	158.8	158.2	158.5	159.7	160.1	160.5	159.9	160.1	161.5	161.5	162.0	
Wisconsin .....	586.7	587.1	589.2	588.8	588.3	588.5	588.5	590.1	590.9	591.2	590.8	593.9	592.7	
Wyoming .....	51.4	51.3	52.1	51.7	51.8	52.0	52.5	52.4	52.8	52.8	52.7	52.9	53.0	

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
Finance, insurance, and real estate													
Alabama .....	77.1	77.1	77.3	77.3	77.5	77.3	77.3	77.4	77.6	77.4	77.7	78.0	78.3
Alaska .....	11.7	11.7	11.7	11.6	11.6	11.7	11.9	11.6	11.7	11.7	11.6	11.5	11.6
Arizona .....	107.0	106.8	106.6	106.2	106.1	106.8	107.0	107.0	107.3	107.5	108.1	108.3	107.9
Arkansas .....	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.9	42.0	42.0	42.0	42.0	42.1
California .....	735.0	735.7	736.9	737.6	737.4	737.4	736.0	735.9	735.7	734.7	734.6	734.6	734.3
Colorado .....	112.2	112.7	112.9	113.0	113.4	113.7	114.1	114.6	114.9	114.8	115.2	115.4	115.8
Connecticut .....	131.9	131.8	132.0	132.4	132.4	132.7	132.3	132.1	131.9	132.9	133.3	133.5	133.3
Delaware .....	40.5	40.6	40.8	41.0	41.2	41.5	41.7	42.0	42.2	42.4	42.5	42.6	42.9
District of Columbia .....	30.2	30.3	30.4	30.2	30.1	29.8	29.8	29.9	29.9	29.7	29.6	29.7	29.6
Florida .....	374.5	374.5	375.1	377.6	377.5	378.5	377.7	378.2	378.5	379.3	380.5	381.7	383.4
Georgia .....	172.7	173.4	174.0	174.9	175.5	175.5	175.6	175.7	175.8	175.7	176.5	176.4	176.1
Hawaii .....	37.0	37.1	37.0	36.7	37.1	37.0	37.1	37.1	37.2	37.2	37.3	37.1	36.9
Idaho .....	24.2	24.2	24.2	24.2	24.2	24.2	24.3	24.2	24.2	24.1	23.9	23.6	23.7
Illinois .....	382.4	382.6	383.3	384.8	384.2	383.3	384.0	383.9	383.5	384.6	384.8	385.8	384.9
Indiana .....	130.6	130.6	130.9	130.6	131.3	131.5	132.4	133.2	133.3	134.2	134.4	134.0	134.1
Iowa .....	76.4	76.6	76.7	76.7	76.9	76.9	77.0	77.1	77.3	77.8	77.6	77.9	77.9
Kansas .....	57.2	57.2	57.4	57.2	57.5	57.9	58.1	58.0	58.2	58.8	58.7	58.7	58.7
Kentucky .....	63.9	64.1	64.2	65.5	65.4	65.5	65.5	65.5	65.7	65.7	65.9	65.4	65.5
Louisiana .....	80.1	80.3	80.4	80.1	80.2	80.5	80.4	80.5	80.4	80.8	80.6	80.8	80.6
Maine .....	26.1	26.1	26.3	26.2	26.1	25.9	26.0	26.0	26.0	25.9	26.0	26.0	25.8
Maryland .....	128.6	128.3	128.1	127.8	127.8	127.8	127.5	127.4	127.4	126.7	127.5	127.5	127.0
Massachusetts .....	204.3	204.5	204.4	204.3	204.8	204.7	204.3	203.6	203.7	202.6	203.3	203.4	203.7
Michigan .....	195.3	195.3	195.6	195.8	196.1	198.1	196.3	196.6	196.5	196.0	196.4	197.2	196.8
Minnesota .....	137.4	137.5	137.8	138.3	138.7	139.0	139.3	139.5	139.7	140.0	140.3	140.3	140.4
Mississippi .....	39.9	40.0	40.0	40.0	40.0	40.2	40.0	39.7	40.0	40.0	39.5	39.5	39.6
Missouri .....	145.4	145.2	144.9	145.6	145.6	145.9	146.1	146.9	147.5	148.9	149.1	149.4	149.3
Montana .....	15.4	15.4	15.6	15.6	15.6	15.6	15.7	15.8	15.8	15.5	15.6	15.5	15.5
Nebraska .....	52.0	52.0	52.2	52.4	52.6	52.7	52.8	52.8	52.8	52.5	52.5	52.3	52.1
Nevada .....	34.8	35.1	35.5	35.9	36.3	36.6	36.8	37.1	37.3	37.5	37.6	37.8	37.9
New Hampshire .....	28.9	28.8	28.9	29.2	29.2	29.2	29.2	29.1	29.2	29.5	29.4	29.5	29.7
New Jersey .....	227.7	227.7	227.5	227.3	227.8	227.8	228.4	228.6	228.9	228.7	229.4	229.6	229.8
New Mexico .....	30.1	30.0	30.0	29.5	29.5	29.7	29.9	29.9	30.0	29.9	30.0	30.0	30.1
New York .....	724.9	723.6	722.7	722.6	721.6	721.3	721.1	719.7	719.9	714.7	721.4	720.6	722.5
North Carolina .....	143.0	143.2	144.2	144.8	145.3	145.2	145.1	146.5	147.1	147.6	148.3	149.0	149.7
North Dakota .....	13.7	13.6	13.6	13.6	13.6	13.9	14.0	14.0	13.9	13.9	14.0	14.1	14.0
Ohio .....	269.2	268.6	268.8	269.1	269.6	269.7	271.1	273.8	273.5	276.3	274.5	275.2	276.0
Oklahoma .....	64.9	64.9	65.1	65.4	66.0	66.2	65.8	66.0	66.3	66.5	66.5	66.6	66.7
Oregon .....	86.3	86.6	87.1	87.3	87.7	88.0	88.0	88.3	88.6	88.7	88.7	89.2	89.4
Pennsylvania .....	302.0	301.9	302.2	303.1	303.7	304.3	305.2	305.7	306.1	306.3	307.1	307.3	307.5
Rhode Island .....	24.9	24.9	24.3	24.9	24.9	24.8	24.5	24.6	24.5	24.7	24.7	24.8	24.8
South Carolina .....	68.3	68.4	68.6	68.9	69.2	69.9	69.9	70.3	70.5	70.5	70.4	70.7	70.7
South Dakota .....	18.4	18.6	18.8	18.9	19.0	19.1	19.3	19.4	19.4	19.4	19.5	19.6	19.6
Tennessee .....	109.6	109.9	110.2	110.6	110.7	111.0	111.1	111.4	111.8	111.6	112.1	111.8	112.2
Texas .....	435.4	435.6	437.1	436.9	437.4	438.0	440.4	440.2	440.8	441.0	440.1	441.1	442.7
Utah .....	46.5	47.0	47.4	47.7	48.2	48.5	48.8	49.3	49.5	49.6	49.8	50.4	50.5
Vermont .....	12.2	12.3	12.2	12.0	12.1	12.1	12.1	12.1	12.2	12.1	12.1	12.2	12.2
Virginia .....	161.1	160.6	160.4	160.6	160.2	160.1	161.1	161.8	161.6	162.0	161.8	162.2	161.4
Washington .....	120.8	121.0	121.3	120.7	121.4	121.8	121.6	121.6	121.6	123.0	122.9	123.5	123.3
West Virginia .....	26.8	26.8	26.9	27.0	26.9	26.9	27.2	27.2	27.2	27.3	27.3	27.4	27.4
Wisconsin .....	136.2	136.2	136.2	136.1	136.2	136.2	136.1	135.8	136.3	136.2	136.1	138.2	136.2
Wyoming .....	7.9	7.9	7.9	7.8	7.9	8.0	7.9	7.9	7.9	8.0	8.1	8.1	8.1

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
	Services												
Alabama .....	389.0	393.3	396.0	398.1	400.2	400.8	401.2	402.5	403.3	402.1	403.0	405.0	406.2
Alaska .....	60.1	60.4	60.9	61.2	61.3	61.5	61.2	61.3	61.3	60.9	61.0	61.5	61.9
Arizona .....	516.5	517.4	519.7	521.4	522.7	523.7	523.3	529.2	530.1	536.3	540.7	542.1	543.4
Arkansas .....	233.8	233.3	235.2	237.3	238.2	240.2	240.0	240.8	241.9	241.7	242.3	242.6	241.8
California .....	3,695.6	3,716.9	3,722.8	3,736.2	3,753.8	3,781.7	3,781.3	3,795.1	3,803.3	3,819.9	3,833.1	3,848.8	3,858.8
Colorado .....	530.4	534.2	537.0	543.3	543.9	545.9	548.0	550.1	552.3	551.7	552.4	555.6	558.1
Connecticut .....	464.1	465.9	467.3	468.0	469.2	469.5	469.1	468.7	469.1	467.5	470.8	470.2	470.5
Delaware .....	94.4	94.6	95.2	96.4	97.2	97.4	96.6	97.3	98.3	97.7	99.6	99.7	99.7
District of Columbia .....	262.9	262.9	264.7	269.0	266.4	267.2	265.5	265.0	265.2	262.4	265.4	265.8	265.4
Florida .....	2,018.5	2,036.6	2,053.6	2,065.1	2,080.2	2,093.6	2,094.0	2,100.7	2,111.4	2,103.5	2,110.0	2,109.2	2,114.6
Georgia .....	821.9	828.6	837.7	841.3	849.9	850.6	855.0	860.5	864.5	861.2	871.2	876.8	879.6
Hawaii .....	164.5	165.0	164.7	164.4	164.3	164.2	165.1	164.9	164.9	164.1	165.7	165.3	164.9
Idaho .....	107.9	108.3	109.0	108.9	109.5	110.2	110.9	111.3	111.6	112.4	113.1	114.1	116.3
Illinois .....	1,565.3	1,571.3	1,573.1	1,587.1	1,587.9	1,590.3	1,590.5	1,594.9	1,597.8	1,602.5	1,605.3	1,609.3	1,610.0
Indiana .....	629.0	631.1	632.7	630.4	634.0	633.9	637.5	638.2	637.8	639.7	639.5	639.0	637.6
Iowa .....	337.4	338.5	342.4	340.9	342.3	341.7	346.5	348.2	348.9	350.3	350.3	353.7	353.0
Kansas .....	287.2	288.2	289.3	288.7	291.0	291.1	293.0	294.1	294.9	292.5	293.4	294.7	293.2
Kentucky .....	388.7	389.7	392.4	390.7	391.6	392.6	395.3	396.2	399.0	399.3	401.3	402.2	402.2
Louisiana .....	469.0	474.4	475.9	473.2	475.4	477.5	477.7	478.3	476.1	479.6	478.7	480.2	478.7
Maine .....	146.3	147.3	147.4	147.4	148.0	148.9	149.2	149.6	150.4	149.5	150.3	150.3	150.1
Maryland .....	687.8	688.7	691.3	694.2	694.8	694.7	693.9	693.5	692.1	690.3	696.7	698.6	698.5
Massachusetts .....	1,016.7	1,016.7	1,019.1	1,024.1	1,027.4	1,032.4	1,035.2	1,037.3	1,040.2	1,044.0	1,045.9	1,050.7	1,050.4
Michigan .....	1,110.4	1,118.7	1,112.8	1,104.8	1,113.6	1,115.8	1,126.0	1,129.3	1,134.5	1,134.7	1,142.5	1,148.3	1,148.9
Minnesota .....	639.6	642.3	644.1	648.0	649.6	650.4	649.8	652.9	652.4	652.6	656.9	660.4	658.8
Mississippi .....	230.5	230.1	228.6	229.8	232.8	233.5	234.3	234.4	236.5	236.4	238.5	241.4	240.6
Missouri .....	683.6	684.6	686.1	688.0	687.1	688.7	689.8	692.5	695.4	690.6	694.5	698.0	696.5
Montana .....	95.0	95.6	96.6	96.5	96.9	97.1	97.6	97.7	98.0	97.5	99.1	99.0	99.3
Nebraska .....	208.8	209.4	210.8	211.9	213.4	212.7	211.2	210.9	212.0	210.7	213.5	214.3	214.4
Nevada .....	341.8	342.9	345.2	350.3	353.7	354.4	354.9	355.3	355.7	357.8	360.2	361.9	364.5
New Hampshire .....	150.1	150.6	151.3	154.2	155.0	154.3	154.1	155.5	155.9	153.5	155.3	154.6	155.6
New Jersey .....	1,071.1	1,072.9	1,077.3	1,083.8	1,090.3	1,091.5	1,093.5	1,095.7	1,099.1	1,091.3	1,101.4	1,106.7	1,108.2
New Mexico .....	190.2	192.1	193.3	190.5	192.2	193.7	195.5	197.3	197.9	200.6	201.4	202.0	202.2
New York .....	2,523.8	2,530.1	2,531.7	2,535.2	2,540.7	2,547.5	2,554.8	2,560.1	2,567.6	2,558.2	2,580.5	2,592.6	2,593.7
North Carolina .....	748.2	754.0	758.0	768.0	769.1	770.5	770.5	770.8	772.0	765.9	776.1	779.8	783.2
North Dakota .....	80.4	80.7	81.1	81.3	81.6	81.7	82.2	82.5	82.8	82.7	83.1	83.4	83.5
Ohio .....	1,375.7	1,380.4	1,386.0	1,387.1	1,396.8	1,400.5	1,404.7	1,407.9	1,413.0	1,411.8	1,416.7	1,423.4	1,420.1
Oklahoma .....	338.2	341.6	342.9	341.9	345.2	346.7	350.5	353.6	356.7	357.6	357.9	358.5	358.0
Oregon .....	356.4	359.0	361.7	366.1	370.2	371.9	373.4	374.1	376.5	386.9	385.2	387.0	388.3
Pennsylvania .....	1,594.2	1,595.6	1,599.8	1,599.6	1,599.7	1,599.7	1,601.9	1,600.7	1,601.1	1,580.5	1,598.6	1,605.6	1,604.1
Rhode Island .....	141.9	142.0	144.2	144.9	145.8	146.1	146.6	147.5	148.1	149.2	149.8	150.2	149.7
South Carolina .....	358.2	360.2	362.0	366.0	367.9	368.4	368.0	370.4	371.5	372.6	374.3	375.9	378.0
South Dakota .....	86.7	87.1	87.6	87.7	87.8	88.4	89.3	89.6	90.3	90.5	90.9	91.4	91.2
Tennessee .....	626.9	631.1	635.1	637.7	638.4	644.5	646.4	650.1	653.0	651.4	650.0	654.4	653.4
Texas .....	2,100.4	2,112.0	2,114.5	2,109.8	2,126.3	2,137.8	2,150.8	2,163.6	2,177.7	2,172.1	2,181.8	2,198.1	2,208.4
Utah .....	234.6	235.5	237.3	238.9	242.1	244.1	245.0	245.8	247.8	248.6	249.1	248.8	250.7
Vermont .....	77.7	79.1	79.4	78.5	78.3	79.0	79.7	80.0	80.5	81.2	80.9	80.9	81.3
Virginia .....	863.9	867.5	871.6	871.8	873.8	874.8	883.5	886.6	890.0	883.2	894.9	900.8	894.9
Washington .....	614.8	617.4	620.3	621.6	626.1	628.2	630.5	631.6	632.1	632.5	636.5	640.8	643.4
West Virginia .....	181.3	181.9	182.3	182.8	183.5	183.7	185.4	185.6	187.3	186.1	187.4	187.8	187.7
Wisconsin .....	626.8	627.5	629.1	631.0	633.7	635.8	636.9	638.5	640.6	641.4	641.9	643.7	642.4
Wyoming .....	47.0	47.2	47.2	47.6	47.9	48.0	48.5	47.8	48.0	48.3	48.6	48.5	48.7

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
Government													
Alabama .....	344.0	343.5	345.3	339.2	342.2	342.1	342.7	342.3	342.3	341.5	341.0	342.6	342.9
Alaska .....	72.9	73.1	73.2	72.7	72.9	72.7	72.9	73.0	72.8	72.0	72.2	72.6	72.2
Arizona .....	294.5	296.4	296.4	297.0	298.7	303.1	301.4	303.4	306.9	306.1	306.8	308.7	308.9
Arkansas .....	176.0	176.6	178.1	178.2	179.0	177.9	178.4	178.3	178.3	178.0	177.1	177.2	177.8
California .....	2,103.3	2,103.4	2,105.2	2,094.7	2,098.6	2,102.9	2,103.3	2,103.5	2,101.5	2,096.7	2,101.4	2,101.7	2,100.9
Colorado .....	301.7	302.2	302.6	301.8	302.7	303.7	303.4	303.6	305.3	304.9	305.0	305.9	306.1
Connecticut .....	219.7	218.7	218.3	220.2	220.9	224.9	222.2	220.3	220.2	222.7	224.7	224.1	223.1
Delaware .....	50.0	50.2	50.0	50.0	50.0	49.9	49.5	49.8	49.8	50.0	50.0	50.3	50.3
District of Columbia .....	256.6	254.7	252.0	253.1	252.0	251.4	250.6	249.4	249.0	246.9	246.5	245.1	244.5
Florida .....	919.8	920.9	921.2	917.8	915.5	934.1	933.1	934.6	938.2	937.2	940.2	971.0	943.7
Georgia .....	572.7	573.8	576.9	579.3	579.4	574.7	580.8	581.5	582.8	581.6	581.8	582.7	584.4
Hawaii .....	112.3	112.3	112.1	110.9	109.5	110.3	109.1	109.1	108.6	108.2	110.3	110.1	109.0
Idaho .....	95.1	95.6	95.4	96.0	95.9	96.1	95.5	95.6	96.1	95.3	94.9	95.2	95.6
Illinois .....	798.9	799.2	802.3	803.4	802.6	807.2	805.1	805.3	803.6	803.2	808.8	808.4	807.1
Indiana .....	395.4	394.7	381.0	372.2	361.5	397.7	393.4	391.8	391.8	390.1	390.5	390.4	390.0
Iowa .....	229.8	229.8	230.5	230.1	230.6	231.0	230.2	230.0	230.2	229.6	229.3	230.0	230.0
Kansas .....	236.0	236.9	237.2	238.2	237.5	237.4	239.0	239.8	242.8	242.8	240.7	238.7	234.5
Kentucky .....	287.4	287.9	290.6	283.9	285.1	286.1	287.4	286.9	287.9	286.0	287.7	287.7	289.2
Louisiana .....	356.1	356.2	357.2	358.8	354.5	360.8	359.1	359.1	359.7	358.6	359.4	358.8	358.1
Maine .....	93.7	93.7	93.1	93.1	93.1	93.1	93.0	93.0	93.1	92.6	92.4	92.4	91.9
Maryland .....	421.4	420.6	423.9	423.5	423.1	423.7	423.3	423.2	423.4	421.7	424.1	424.0	422.9
Massachusetts .....	393.6	393.4	393.4	392.8	393.1	397.8	396.4	395.9	396.0	397.9	395.6	396.2	395.2
Michigan .....	640.8	641.0	639.9	640.7	637.3	639.7	634.8	635.6	637.0	632.3	636.0	637.5	636.2
Minnesota .....	377.9	378.4	381.4	388.4	384.9	381.3	380.4	382.1	381.8	381.2	383.1	382.0	383.0
Mississippi .....	215.1	215.5	216.3	218.5	221.7	219.1	218.8	219.2	219.9	221.2	220.8	221.5	222.2
Missouri .....	386.7	388.5	388.6	391.5	393.1	393.9	394.8	395.1	395.9	394.5	397.0	400.5	401.2
Montana .....	77.0	76.9	76.6	77.4	77.0	76.2	76.9	76.9	76.7	75.7	77.0	77.5	76.9
Nebraska .....	151.4	148.4	150.3	150.7	151.3	149.4	149.9	150.3	150.9	151.9	152.7	152.5	152.5
Nevada .....	96.4	96.2	95.8	97.2	94.6	97.3	97.6	98.7	98.5	100.1	99.4	99.2	100.0
New Hampshire .....	76.0	75.8	76.0	76.3	75.8	75.1	75.5	75.4	75.9	74.1	74.7	75.0	75.2
New Jersey .....	569.8	570.2	569.4	567.3	568.5	569.0	569.9	568.6	568.1	565.5	568.7	569.1	569.5
New Mexico .....	164.5	164.7	165.0	165.3	166.1	165.3	165.1	166.0	166.2	165.4	165.5	165.3	164.9
New York .....	1,403.9	1,396.1	1,397.6	1,390.4	1,388.8	1,385.7	1,386.5	1,383.3	1,383.3	1,381.9	1,380.4	1,379.3	1,375.8
North Carolina .....	549.3	548.8	550.0	538.1	540.0	552.5	557.6	557.7	559.1	559.6	563.3	565.7	570.3
North Dakota .....	71.2	71.2	71.1	70.6	71.2	71.1	70.7	70.6	70.4	70.9	71.0	71.0	71.3
Ohio .....	746.0	746.0	748.7	749.9	749.2	752.4	748.2	749.9	752.1	746.8	754.4	755.2	754.8
Oklahoma .....	269.2	269.8	270.1	270.4	270.6	270.2	271.1	271.3	270.9	268.5	268.8	269.4	269.4
Oregon .....	238.7	238.8	239.1	238.1	239.0	240.1	240.4	238.4	241.4	232.8	234.7	235.3	235.1
Pennsylvania .....	717.9	720.1	718.0	717.2	718.3	720.3	722.2	721.5	722.2	714.6	721.6	723.3	722.4
Rhode Island .....	62.2	61.7	60.1	60.4	60.8	60.6	60.9	60.6	61.1	60.9	61.2	61.4	61.4
South Carolina .....	292.7	293.4	294.2	297.9	298.1	295.0	294.6	295.4	294.0	289.8	290.2	291.3	291.2
South Dakota .....	70.9	71.2	70.8	70.8	70.8	71.1	70.3	70.5	70.7	70.5	71.1	71.1	71.0
Tennessee .....	371.9	372.2	369.6	370.3	370.6	381.1	387.5	387.2	387.2	388.8	390.8	411.4	393.0
Texas .....	1,443.2	1,444.4	1,447.5	1,450.7	1,454.8	1,455.8	1,461.8	1,464.9	1,464.6	1,461.1	1,467.5	1,470.9	1,474.2
Utah .....	163.9	163.5	163.7	163.4	162.4	163.6	164.1	163.9	164.3	164.9	166.0	167.1	167.4
Vermont .....	45.1	44.8	44.8	44.9	44.9	44.8	44.9	44.9	44.9	44.6	45.0	44.9	45.1
Virginia .....	600.2	599.7	597.6	591.7	593.7	593.5	594.5	594.2	593.5	593.4	595.6	595.5	596.0
Washington .....	444.3	445.3	445.8	445.3	444.6	441.8	443.0	444.0	445.1	444.3	445.0	448.1	447.1
West Virginia .....	136.1	135.7	136.8	135.0	138.8	136.9	137.1	137.0	136.3	137.1	136.9	138.7	137.9
Wisconsin .....	378.2	379.6	381.0	379.9	378.5	376.3	377.3	376.2	376.2	382.8	374.5	376.8	373.7
Wyoming .....	58.2	58.0	58.3	59.0	58.1	57.9	57.8	57.4	57.8	57.7	57.6	57.8	57.9

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

<sup>2</sup> Mining is combined with construction.

<sup>P</sup> = preliminary.

NOTE: All data have been adjusted to March 1995 benchmarks and incorporate updated seasonal adjustment factors.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**B-8. Average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Total private</b> .....	34.2	34.4	34.5	34.4	34.4	34.5	34.4	34.3	33.8	34.5	34.5	34.3	34.3
<b>Goods-producing</b> .....	40.7	40.9	40.8	40.9	40.9	41.0	40.9	40.6	39.7	41.1	40.8	41.0	40.9
<b>Mining</b> .....	44.4	44.8	44.6	44.4	44.8	44.9	44.2	44.7	44.1	45.3	45.7	45.0	45.5
<b>Construction</b> .....	37.7	38.7	38.9	38.7	38.7	39.1	38.8	38.5	38.2	39.7	38.7	38.9	38.1
<b>Manufacturing</b> .....	41.5	41.5	41.3	41.5	41.5	41.4	41.5	41.2	40.0	41.4	41.4	41.5	41.7
<i>Overtime hours</i> .....	4.3	4.2	4.2	4.3	4.4	4.3	4.3	4.2	4.1	4.3	4.3	4.6	4.6
<b>Durable goods</b> .....	42.2	42.2	42.0	42.3	42.3	42.3	42.3	41.9	40.9	42.2	42.0	42.4	42.6
<i>Overtime hours</i> .....	4.6	4.5	4.5	4.6	4.7	4.6	4.6	4.5	4.4	4.6	4.5	4.9	5.1
Lumber and wood products .....	40.4	40.5	40.3	40.6	40.6	40.7	40.7	40.1	39.1	40.6	40.6	40.7	40.9
Furniture and fixtures .....	39.3	39.4	39.3	39.7	39.4	39.4	39.6	39.4	35.7	39.1	39.4	39.2	39.7
Stone, clay, and glass products .....	42.6	43.0	43.0	43.1	43.1	43.1	42.9	42.9	42.1	43.5	43.2	43.4	43.3
Primary metal industries .....	43.9	43.8	43.2	43.7	43.6	43.8	43.9	43.7	43.2	44.1	43.9	43.9	44.3
Blast furnaces and basic steel products .....	44.2	44.1	43.5	43.9	43.9	44.2	44.2	44.2	44.3	44.9	44.5	44.0	44.4
Fabricated metal products .....	42.1	42.1	42.0	42.2	42.4	42.2	42.2	42.0	41.0	42.0	42.0	42.3	42.6
Industrial machinery and equipment .....	43.4	43.2	42.9	43.5	43.2	43.1	43.3	42.9	42.1	43.0	43.0	43.1	43.2
Electronic and other electrical equipment .....	41.5	41.4	41.3	41.6	41.7	42.0	41.6	41.2	40.3	41.6	41.4	41.1	41.6
Transportation equipment .....	43.4	43.7	43.3	43.6	43.6	43.4	43.8	42.7	42.4	43.1	42.2	44.6	44.4
Motor vehicles and equipment .....	44.5	44.5	44.5	44.5	44.5	44.3	44.8	43.8	43.3	43.7	42.1	46.2	46.4
Instruments and related products .....	41.3	41.3	41.3	41.5	41.4	41.4	41.4	41.2	40.2	41.8	41.7	41.5	41.8
Miscellaneous manufacturing .....	39.8	39.9	39.7	39.9	39.8	39.7	39.6	39.5	37.7	39.5	39.7	39.6	39.9
<b>Nondurable goods</b> .....	40.5	40.4	40.3	40.4	40.4	40.3	40.3	40.2	38.7	40.5	40.5	40.4	40.5
<i>Overtime hours</i> .....	3.9	3.9	3.9	4.0	3.9	3.9	3.9	3.9	3.8	4.0	4.0	4.2	4.0
Food and kindred products .....	41.2	41.2	41.1	41.2	41.1	40.9	40.8	40.6	39.9	41.2	41.2	41.0	41.0
Tobacco products .....	40.1	40.2	39.9	40.0	38.7	38.9	40.1	38.7	36.4	39.8	40.5	40.4	39.2
Textile mill products .....	40.5	40.4	40.4	40.7	40.6	40.4	40.5	40.3	36.1	40.5	40.8	40.3	40.8
Apparel and other textile products .....	36.9	36.8	36.7	36.8	36.8	36.7	36.8	36.8	33.5	36.8	36.9	36.6	37.3
Paper and allied products .....	43.0	43.0	43.0	42.9	43.0	42.8	42.9	42.9	41.5	43.1	43.1	43.3	43.5
Printing and publishing .....	38.3	38.2	38.1	38.1	38.1	38.0	38.1	37.8	37.2	38.2	38.2	38.1	38.2
Chemicals and allied products .....	43.2	43.3	43.1	43.1	43.1	43.2	43.1	43.1	42.5	43.2	43.1	42.9	43.1
Petroleum and coal products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rubber and misc. plastics products .....	41.5	41.4	41.0	41.3	41.4	41.4	41.2	41.6	40.3	41.3	41.3	41.5	41.3
Leather and leather products .....	38.3	38.1	37.2	38.2	38.0	37.8	37.7	37.7	34.8	37.6	37.8	37.4	38.0
<b>Service-producing</b> .....	32.4	32.7	32.8	32.6	32.7	32.7	32.7	32.6	32.2	32.7	32.7	32.5	32.5
<b>Transportation and public utilities</b> .....	39.1	39.5	39.6	39.4	39.5	39.5	39.6	39.6	38.8	39.8	39.9	39.5	39.3
<b>Wholesale trade</b> .....	37.9	38.2	38.3	38.2	38.2	38.3	38.2	38.2	37.8	38.3	38.3	38.1	38.1
<b>Retail trade</b> .....	28.7	28.8	28.8	28.7	28.8	28.8	28.9	28.7	28.3	28.8	28.9	28.6	28.8
<b>Finance, insurance, and real estate</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Services</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )

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

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

irregular components, cannot be separated with sufficient precision.

<sup>P</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors and may differ slightly from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**B-9. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(1982 = 100)

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>p</sup>	May <sup>p</sup>
<b>Total private</b> .....	131.9	133.2	133.5	133.4	134.0	134.3	134.3	134.3	131.7	135.5	135.5	135.2	135.4
<b>Goods-producing</b> .....	109.1	109.8	109.3	109.7	109.7	109.6	109.3	108.8	106.0	110.8	109.4	109.9	109.9
<b>Mining</b> .....	54.0	54.2	53.8	53.4	53.8	53.7	52.5	53.2	52.7	54.9	55.7	54.6	55.4
<b>Construction</b> .....	135.2	139.7	140.5	140.3	141.0	142.7	141.9	141.2	140.7	150.5	145.6	146.6	144.1
<b>Manufacturing</b> .....	107.3	107.1	106.2	106.9	106.6	106.2	106.1	105.6	102.0	105.9	105.2	105.7	106.2
<b>Durable goods</b> .....	107.6	107.5	106.8	107.8	107.6	107.3	107.3	106.8	104.1	107.4	106.3	107.8	108.4
Lumber and wood products .....	134.1	133.6	133.0	134.2	134.4	134.7	134.5	132.9	127.1	133.1	133.1	134.5	135.4
Furniture and fixtures .....	124.8	124.8	122.9	125.1	123.9	123.2	123.9	123.6	111.4	121.7	122.0	121.1	123.6
Stone, clay, and glass products .....	107.4	108.4	107.6	108.4	108.1	108.4	107.6	107.6	104.9	109.7	108.9	109.1	109.2
Primary metal industries .....	92.2	91.8	89.9	91.3	90.7	91.1	91.7	91.3	90.4	91.9	91.5	91.0	92.0
Blast furnaces and basic steel products .....	73.4	73.2	71.5	72.5	72.1	72.6	73.0	72.6	72.8	73.8	73.1	71.9	73.3
Fabricated metal products .....	113.2	113.0	112.6	113.1	113.6	113.2	113.3	112.8	110.2	112.9	112.9	113.5	114.6
Industrial machinery and equipment .....	103.0	102.7	102.1	103.7	103.2	103.2	104.0	103.3	101.2	103.2	103.2	103.3	103.5
Electronic and other electrical equipment .....	107.3	106.9	106.9	107.6	108.0	108.9	108.2	107.4	105.0	108.7	108.0	107.1	108.4
Transportation equipment .....	121.1	121.5	120.3	121.4	120.8	117.5	117.5	117.6	116.6	118.6	113.1	123.1	122.6
Motor vehicles and equipment .....	163.2	162.8	163.0	163.4	162.8	162.3	161.1	160.2	158.2	159.9	147.5	169.0	172.4
Instruments and related products .....	73.1	73.1	73.1	73.5	73.3	73.3	73.1	72.6	70.8	73.6	73.6	73.3	74.0
Miscellaneous manufacturing .....	103.4	103.6	101.6	102.9	102.6	102.0	102.9	102.6	97.2	102.2	102.4	101.4	101.8
<b>Nondurable goods</b> .....	106.7	106.5	105.5	105.6	105.3	104.7	104.4	103.8	99.3	103.9	103.7	102.8	103.1
Food and kindred products .....	115.0	115.7	114.5	114.3	114.6	113.9	113.7	113.1	111.0	114.8	114.9	113.6	113.6
Tobacco products .....	63.5	63.7	63.2	63.4	61.3	61.7	63.5	61.3	55.9	63.1	64.2	64.0	60.2
Textile mill products .....	95.7	94.8	93.8	94.5	93.6	92.8	92.7	91.8	80.8	91.7	92.0	89.9	91.4
Apparel and other textile products .....	85.2	84.0	83.2	82.4	81.5	80.1	79.3	78.3	70.1	77.5	76.7	75.6	76.5
Paper and allied products .....	110.5	110.1	110.1	109.6	109.6	108.9	108.8	108.6	105.0	108.6	108.4	108.3	108.6
Printing and publishing .....	125.1	125.0	124.6	124.4	124.1	123.5	124.0	122.7	120.5	123.4	123.6	122.8	122.7
Chemicals and allied products .....	101.9	102.1	102.0	102.0	102.0	102.4	102.0	101.6	100.2	101.3	100.9	100.1	100.2
Petroleum and coal products .....	77.2	78.3	78.2	77.1	76.4	76.3	73.6	74.3	73.9	73.6	74.3	72.9	74.1
Rubber and misc. plastics products .....	143.4	142.5	140.0	141.4	141.4	141.4	140.9	141.7	136.5	139.6	139.2	139.8	139.4
Leather and leather products .....	49.4	48.6	46.9	48.1	47.9	46.5	46.3	45.8	41.2	44.5	44.1	43.7	43.8
<b>Service-producing</b> .....	142.1	143.7	144.4	144.1	144.9	145.5	145.6	145.7	143.2	146.6	147.2	146.6	146.9
<b>Transportation and public utilities</b> .....	122.9	124.4	125.0	124.8	125.4	125.8	126.7	127.0	124.5	128.4	129.1	127.8	127.5
<b>Wholesale trade</b> .....	120.1	121.5	122.2	122.1	122.4	122.9	122.8	123.1	122.0	124.0	124.3	123.6	123.6
<b>Retail trade</b> .....	131.2	132.0	132.1	131.9	132.5	132.5	133.1	132.5	129.9	133.1	133.7	132.7	133.8
<b>Finance, insurance, and real estate</b> .....	120.5	122.8	125.0	123.2	123.8	124.7	123.9	124.1	122.2	124.4	125.0	124.5	124.2
<b>Services</b> .....	168.1	170.1	171.0	170.8	172.1	173.0	172.8	173.4	170.3	174.5	175.2	175.0	175.3

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

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors and may differ slightly from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
ALL-EMPLOYEE HOURS  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	March 1996 <sup>r</sup>	April 1996 <sup>r</sup>	May 1996 <sup>p</sup>	May 1995 to May 1996 <sup>p</sup>	March 1996 to April 1996 <sup>r</sup>	April 1996 to May 1996 <sup>p</sup>
Total .....	216,107	215,619	216,575	2.3	-.2	.4
Private sector .....	180,608	180,303	180,636	2.6	-.2	.2
Mining .....	1,364	1,353	1,366	1.6	-.8	1.0
Construction .....	10,746	10,824	10,657	6.3	.7	-1.5
Manufacturing .....	39,418	39,527	39,666	-.8	.3	.4
Durable goods .....	23,199	23,416	23,528	.6	.9	.5
Nondurable goods .....	16,219	16,111	16,137	-2.9	-.7	.2
Transportation and public utilities .....	13,070	12,968	12,931	3.4	-.8	-.3
Wholesale trade .....	13,041	12,981	12,993	3.2	-.5	.1
Retail trade .....	32,074	31,853	32,144	2.0	-.7	.9
Finance, insurance, and real estate .....	12,930	12,879	12,820	2.6	-.4	-.5
Services .....	57,965	57,919	58,060	4.4	-.1	.2
Government .....	35,499	35,316	35,939	.9	-.5	1.8

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

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2414, chapter 10, "Productivity Measures: Business Sector and Major Subsectors".

SOURCE: Office of Productivity and Technology (202—606-5606).



**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

**B-11. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, seasonally adjusted**

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>p</sup>	May <sup>p</sup>
<b>Average hourly earnings</b>													
<b>Total private</b> (in current dollars) .....	\$11.36	\$11.43	\$11.47	\$11.46	\$11.52	\$11.55	\$11.59	\$11.61	\$11.62	\$11.65	\$11.68	\$11.72	\$11.75
<b>Goods-producing</b> .....	12.96	13.03	13.08	13.10	13.12	13.13	13.18	13.19	13.30	13.26	13.25	13.40	13.38
Mining .....	15.21	15.32	15.39	15.43	15.41	15.45	15.47	15.51	15.48	15.49	15.46	15.47	15.53
Construction .....	15.04	15.12	15.12	15.14	15.17	15.18	15.20	15.15	15.25	15.23	15.24	15.28	15.32
Manufacturing .....	12.30	12.33	12.39	12.42	12.43	12.46	12.49	12.51	12.63	12.56	12.55	12.74	12.72
Excluding overtime <sup>2</sup> .....	11.68	11.72	11.79	11.79	11.79	11.83	11.86	11.89	12.00	11.93	11.92	12.09	12.06
<b>Service-producing</b> .....	10.81	10.85	10.91	10.91	10.96	11.03	11.03	11.08	11.06	11.11	11.16	11.16	11.20
Transportation and public utilities .....	14.14	14.21	14.26	14.27	14.33	14.40	14.42	14.39	14.39	14.43	14.48	14.50	14.49
Wholesale trade .....	12.34	12.40	12.46	12.46	12.51	12.54	12.55	12.60	12.58	12.63	12.70	12.71	12.73
Retail trade .....	7.65	7.67	7.71	7.72	7.76	7.76	7.78	7.81	7.83	7.85	7.88	7.90	7.94
Finance, insurance, and real estate .....	12.21	12.30	12.40	12.37	12.44	12.52	12.52	12.55	12.55	12.60	12.68	12.65	12.80
Services .....	11.33	11.37	11.42	11.40	11.46	11.52	11.54	11.57	11.59	11.62	11.67	11.65	11.70
<b>Total private</b> (in constant (1982) dollars) <sup>3</sup> .....	7.36	7.39	7.41	7.39	7.42	7.42	7.44	7.44	7.41	7.42	7.40	7.40	( <sup>4</sup> )
Goods-producing .....	8.39	8.42	8.46	8.45	8.45	8.43	8.46	8.45	8.48	8.44	8.40	8.46	( <sup>4</sup> )
Service-producing .....	7.00	7.01	7.05	7.04	7.06	7.08	7.08	7.10	7.05	7.07	7.07	7.05	( <sup>4</sup> )
<b>Average weekly earnings</b>													
<b>Total private</b> (in current dollars) .....	388.51	393.19	395.72	394.22	396.29	398.48	398.70	398.22	392.76	401.93	402.96	402.00	403.03
<b>Goods-producing</b> .....	527.47	532.93	533.66	535.79	536.61	538.33	539.06	535.51	528.01	544.99	540.60	549.40	547.24
Mining .....	675.32	686.34	686.39	685.09	690.37	693.71	683.77	693.30	682.67	701.70	706.52	696.15	706.62
Construction .....	567.01	585.14	588.17	585.92	587.08	593.54	589.76	583.28	582.55	604.63	589.79	594.39	583.69
Manufacturing .....	510.45	511.70	511.71	515.43	515.85	515.84	518.34	515.41	505.20	519.98	519.57	528.71	530.42
<b>Service-producing</b> .....	350.24	354.80	357.85	355.67	358.39	360.68	360.68	361.21	356.13	363.30	364.93	362.70	364.00
Transportation and public utilities .....	552.87	561.30	564.70	562.24	566.04	568.80	571.03	569.84	558.33	574.31	577.75	572.75	569.46
Wholesale trade .....	467.69	473.68	477.22	475.97	477.88	480.28	479.41	481.32	475.52	483.73	486.41	484.25	485.01
Retail trade .....	219.56	220.90	222.05	221.56	223.49	223.49	224.84	224.15	221.59	226.08	227.73	225.94	228.67
Finance, insurance, and real estate .....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
Services .....	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )	( <sup>5</sup> )
<b>Total private</b> (in constant (1982) dollars) <sup>3</sup> .....	251.63	254.16	255.80	254.34	255.34	255.93	255.91	255.11	250.48	255.84	255.36	253.79	( <sup>4</sup> )
Goods-producing .....	341.63	344.49	344.96	345.67	345.75	345.75	345.99	343.06	336.74	346.91	342.59	346.84	( <sup>4</sup> )
Service-producing .....	226.84	229.35	231.32	229.46	230.92	231.65	231.50	231.40	227.12	231.25	231.26	228.98	( <sup>4</sup> )

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

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

<sup>3</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

<sup>4</sup> Not available.

<sup>5</sup> These series are not computed because the average weekly hours' components are not available on a seasonally adjusted basis.

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors and may differ slightly from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Total</b> .....		117,203	116,684	117,895	118,741	119,804	-	-	-	-	-
<b>Total private</b> .....		97,892	97,017	98,086	98,952	99,958	80,123	79,315	80,182	80,973	81,889
<b>Mining</b> .....		580	578	563	567	571	424	420	416	419	423
Metal mining .....	10	50.6	50.2	50.2	50.5	51.6	40.7	40.7	39.9	40.0	-
Iron ores .....	101	8.4	8.4	8.1	8.2	-	7.0	7.0	6.8	6.8	-
Copper ores .....	102	15.1	15.2	14.8	14.8	-	12.2	12.5	11.7	11.7	-
Coal mining .....	12	105.5	106.5	100.8	100.4	100.4	85.3	85.7	82.5	81.7	-
Bituminous coal and lignite mining .....	122	98.4	99.0	94.4	94.0	-	79.6	79.5	77.2	76.5	-
Oil and gas extraction .....	13	317.9	315.6	308.2	308.6	309.5	217.0	212.9	214.9	215.6	-
Crude petroleum and natural gas .....	131	149.9	151.2	142.1	142.0	-	80.4	80.5	77.7	77.5	-
Oil and gas field services .....	138	162.8	159.2	161.1	161.5	-	133.6	129.9	133.2	134.0	-
Nonmetallic minerals, except fuels .....	14	105.8	105.7	103.4	107.2	109.8	80.4	80.5	78.3	81.6	-
Crushed and broken stone .....	142	39.8	39.9	38.7	40.2	-	31.1	31.2	30.0	31.4	-
Sand and gravel .....	144	34.0	33.9	32.2	34.1	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	13.8	13.7	14.1	14.1	-	-	-	-	-	-
<b>Construction</b> .....		5,158	4,984	4,944	5,197	5,431	3,992	3,829	3,756	3,998	4,221
General building contractors .....	15	1,200.4	1,166.3	1,153.3	1,187.7	1,220.0	851.3	818.2	796.2	829.1	-
Residential building construction .....	152	603.8	590.8	578.7	600.1	-	411.1	398.4	382.2	402.2	-
Operative builders .....	153	27.1	26.8	27.3	27.6	-	11.4	10.9	11.2	11.5	-
Nonresidential building construction .....	154	569.5	548.7	547.3	560.0	-	428.7	408.9	402.8	415.4	-
Heavy construction, except building .....	16	750.5	728.6	676.4	739.7	789.6	624.7	602.7	553.8	615.3	-
Highway and street construction .....	161	227.4	214.4	180.2	219.1	-	184.6	171.8	138.3	175.5	-
Heavy construction, except highway .....	162	523.0	514.2	496.2	520.6	-	440.1	430.9	415.5	439.8	-
Special trade contractors .....	17	3,206.8	3,089.5	3,114.4	3,270.0	3,421.1	2,515.5	2,407.7	2,406.3	2,554.0	-
Plumbing, heating, and air conditioning .....	171	715.1	693.2	720.7	732.8	-	527.3	508.7	527.4	537.1	-
Painting and paper hanging .....	172	180.2	169.6	159.0	175.0	-	149.9	140.0	127.7	144.0	-
Electrical work .....	173	603.4	578.1	600.0	606.2	-	474.4	451.0	466.4	471.8	-
Masonry, stonework, and plastering .....	174	422.3	410.1	418.9	441.1	-	363.8	352.9	358.1	380.2	-
Carpentry and floor work .....	175	225.0	212.4	226.3	234.6	-	169.8	157.4	166.9	175.2	-
Roofing, siding, and sheet metal work .....	176	214.5	204.6	207.8	222.5	-	170.5	161.1	164.7	178.5	-
<b>Manufacturing</b> .....		18,468	18,469	18,188	18,197	18,251	12,787	12,801	12,551	12,565	12,602
<b>Durable goods</b> .....		10,654	10,662	10,597	10,636	10,673	7,298	7,320	7,248	7,289	7,318
Lumber and wood products .....	24	764.2	755.5	741.8	748.7	756.2	628.3	620.8	607.3	614.3	621.4
Logging .....	241	81.8	75.0	76.1	73.6	-	66.1	59.9	61.0	58.7	-
Sawmills and planing mills .....	242	186.7	188.2	179.1	180.7	-	161.5	162.8	154.7	156.2	-
Sawmills and planing mills, general .....	2421	148.0	148.9	141.8	143.0	-	127.8	128.6	122.0	123.2	-
Hardwood dimension and flooring mills .....	2426	37.0	37.6	35.7	36.0	-	32.3	32.8	31.3	31.5	-
Millwork, plywood, and structural members .....	243	278.3	276.2	272.9	276.7	-	222.9	221.4	217.4	221.1	-
Millwork .....	2431	110.6	109.3	105.8	108.1	-	86.0	85.1	80.9	82.9	-
Wood kitchen cabinets .....	2434	76.0	75.7	76.6	77.3	-	60.8	60.8	61.6	62.2	-
Hardwood veneer and plywood .....	2435	28.0	28.4	27.6	27.6	-	24.1	24.6	23.5	23.6	-
Softwood veneer and plywood .....	2436	29.3	29.3	28.5	28.4	-	26.0	26.0	25.6	25.5	-
Wood containers .....	244	50.5	50.9	49.8	50.2	-	43.0	43.5	42.3	42.5	-
Wood buildings and mobile homes .....	245	80.1	78.3	80.0	81.8	-	64.1	62.3	63.6	65.7	-
Mobile homes .....	2451	61.0	59.6	61.9	63.0	-	51.3	49.9	51.7	52.9	-
Miscellaneous wood products .....	249	86.9	86.9	83.9	85.7	-	70.8	70.9	68.3	70.1	-
Furniture and fixtures .....	25	508.7	513.1	499.7	497.2	499.0	402.3	406.3	394.8	392.4	394.5
Household furniture .....	251	281.2	286.5	280.3	278.1	-	234.7	239.6	234.6	233.1	-
Wood household furniture .....	2511	126.9	128.8	126.8	125.1	-	108.1	109.9	108.6	107.0	-
Upholstered household furniture .....	2512	90.0	90.9	90.0	89.8	-	75.7	76.5	75.7	75.8	-
Metal household furniture .....	2514	21.9	24.5	21.3	21.5	-	17.8	20.2	17.4	17.7	-
Mattresses and bedsprings .....	2515	30.9	31.0	31.2	31.4	-	23.7	23.9	23.9	24.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures—Continued											
Office furniture .....	252	62.5	62.0	60.3	60.8	-	46.4	45.6	44.5	43.9	-
Public building and related furniture .....	253	42.0	42.0	40.8	41.8	-	33.4	33.5	32.0	33.0	-
Partitions and fixtures .....	254	85.7	85.4	82.4	80.6	-	63.1	62.8	60.1	58.8	-
Miscellaneous furniture and fixtures .....	259	37.2	37.2	35.9	35.9	-	24.8	24.8	23.6	23.6	-
Stone, clay, and glass products											
Flat glass .....	321	15.4	15.4	15.2	14.9	-	12.2	12.0	12.1	11.8	-
Glass and glassware, pressed or blown .....	322	73.3	73.7	70.2	70.5	-	61.5	61.8	59.0	59.4	-
Glass containers .....	3221	30.8	31.2	28.8	28.8	-	27.6	27.9	26.0	26.0	-
Pressed and blown glass, nec .....	3229	42.5	42.5	41.4	41.7	-	33.9	33.9	33.0	33.4	-
Products of purchased glass .....	323	62.3	62.3	61.0	60.8	-	47.8	47.7	47.3	47.2	-
Cement, hydraulic .....	324	17.7	17.5	17.3	17.3	-	13.4	13.3	12.9	13.1	-
Structural clay products .....	325	34.2	34.9	32.5	33.3	-	26.3	26.9	25.1	25.8	-
Pottery and related products .....	326	41.1	41.6	39.3	39.4	-	33.0	33.5	31.2	31.2	-
Concrete, gypsum, and plaster products .....	327	204.2	203.2	198.1	207.5	-	155.5	154.3	149.5	158.2	-
Concrete block and brick .....	3271	17.2	17.3	16.6	17.3	-	11.0	11.0	10.5	10.9	-
Concrete products, nec .....	3272	68.6	68.3	67.6	69.1	-	51.3	51.0	50.2	51.6	-
Ready-mixed concrete .....	3273	101.1	100.3	96.7	103.9	-	79.6	78.8	75.3	82.2	-
Misc. nonmetallic mineral products .....	329	76.8	78.0	76.7	76.6	-	57.7	58.7	58.8	58.8	-
Abrasive products .....	3291	20.0	20.4	19.5	19.4	-	15.0	15.0	15.2	15.2	-
Asbestos products .....	3292	2.5	2.5	2.5	2.5	-	2.0	2.0	2.1	2.1	-
Mineral wool .....	3296	24.2	24.2	24.0	23.8	-	-	-	-	-	-
Primary metal industries											
Blast furnaces and basic steel products .....	331	240.7	240.5	238.0	236.7	238.2	183.9	183.7	182.6	181.4	182.9
Blast furnaces and steel mills .....	3312	171.6	171.1	169.4	168.7	-	131.6	131.4	130.5	129.9	-
Steel pipe and tubes .....	3317	27.3	27.3	27.1	27.0	-	20.4	20.3	20.4	20.4	-
Iron and steel foundries .....	332	130.4	132.2	126.9	126.3	-	106.5	108.4	103.9	103.2	-
Gray and ductile iron foundries .....	3321	83.3	84.2	80.9	80.4	-	68.8	69.7	67.0	66.4	-
Malleable iron foundries .....	3322	4.3	4.3	4.1	4.0	-	3.3	3.3	3.2	3.1	-
Steel foundries, nec .....	3325	27.1	27.4	25.6	25.4	-	22.2	22.4	20.8	20.7	-
Primary nonferrous metals .....	333	40.4	39.9	40.7	40.8	-	30.8	30.5	31.2	31.3	-
Primary aluminum .....	3334	22.5	22.2	22.7	22.7	-	17.7	17.5	18.0	18.1	-
Nonferrous rolling and drawing .....	335	167.3	167.7	166.6	166.1	-	126.5	126.9	126.6	126.4	-
Copper rolling and drawing .....	3351	22.5	22.6	22.4	22.2	-	17.4	17.7	17.2	17.1	-
Aluminum sheet, plate, and foil .....	3353	22.2	22.0	21.9	21.8	-	16.0	15.8	15.8	15.7	-
Nonferrous wire drawing and insulating .....	3357	73.6	73.7	72.9	72.7	-	55.4	55.4	55.7	55.8	-
Nonferrous foundries (castings) .....	336	87.2	87.5	89.1	88.9	-	71.2	71.7	73.1	72.8	-
Aluminum foundries .....	3365	24.2	23.7	25.1	24.9	-	19.9	19.5	20.6	20.5	-
Fabricated metal products											
Metal cans and shipping containers .....	341	40.8	41.2	39.8	39.5	-	34.9	35.3	34.1	33.9	-
Metal cans .....	3411	33.1	33.5	32.5	32.3	-	28.7	29.1	28.2	28.1	-
Cutlery, handtools, and hardware .....	342	128.2	129.1	125.9	125.8	-	96.6	97.6	94.8	94.8	-
Hand and edge tools, and blades and handsaws .....	3423,5	44.6	44.9	44.3	44.2	-	34.3	34.5	34.2	34.0	-
Hardware, nec .....	3429	71.7	72.5	69.8	70.0	-	54.3	55.1	52.7	53.0	-
Plumbing and heating, except electric .....	343	56.9	57.2	55.2	54.5	-	41.0	41.4	39.3	38.7	-
Plumbing fixture fittings and trim .....	3432	22.9	23.9	22.5	22.2	-	16.9	18.0	16.5	16.3	-
Heating equipment, except electric .....	3433	19.5	18.8	18.9	18.6	-	13.1	12.4	12.4	12.1	-
Fabricated structural metal products .....	344	428.0	423.8	430.5	431.6	-	312.0	308.5	313.1	314.5	-
Fabricated structural metal .....	3441	73.0	71.4	75.9	75.7	-	53.2	51.9	55.9	55.7	-
Metal doors, sash, and trim .....	3442	75.7	75.6	73.1	73.5	-	56.3	56.0	53.4	54.2	-
Fabricated plate work (boiler shops) .....	3443	101.9	101.6	102.6	102.2	-	72.9	72.4	73.8	73.2	-
Sheet metal work .....	3444	109.7	108.9	110.9	111.3	-	83.4	83.1	84.1	84.8	-
Architectural metal work .....	3446	28.8	27.9	29.6	29.8	-	20.5	19.8	20.9	21.0	-
Screw machine products, bolts, etc .....	345	99.4	100.3	99.1	98.9	-	78.2	79.2	77.7	77.5	-
Screw machine products .....	3451	51.3	52.0	51.4	51.3	-	42.0	42.7	42.1	41.9	-
Bolts, nuts, rivets, and washers .....	3452	48.1	48.3	47.7	47.6	-	36.2	36.5	35.6	35.6	-
Metal forgings and stampings .....	346	252.3	254.6	255.4	253.7	-	202.1	204.2	204.7	203.5	-
Iron and steel forgings .....	3462	30.9	31.5	30.7	30.3	-	23.9	24.5	23.6	23.2	-
Automotive stampings .....	3465	116.4	117.6	118.8	118.2	-	97.7	98.8	99.9	99.4	-
Metal stampings, nec .....	3469	93.6	93.8	94.6	93.9	-	71.9	72.2	72.5	72.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Aug. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Aug. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Durable goods—Continued</b>											
Fabricated metal products—Continued											
Metal services, nec .....	347	129.4	129.7	131.5	131.6	-	101.4	101.9	103.2	103.2	-
Plating and polishing .....	3471	79.7	79.8	81.3	81.3	-	62.4	62.7	64.1	63.8	-
Metal coating and allied services .....	3479	49.7	49.9	50.2	50.3	-	39.0	39.2	39.1	39.4	-
Ordnance and accessories, nec .....	348	50.8	51.5	48.6	47.9	-	28.5	29.2	26.8	26.2	-
Ammunition, except for small arms, nec .....	3483	26.2	26.5	25.5	24.9	-	11.8	12.0	11.2	10.7	-
Miscellaneous fabricated metal products .....	349	252.1	252.2	254.5	253.9	-	185.8	186.5	187.1	186.7	-
Valves and pipe fittings, nec .....	3494	25.0	25.0	25.1	25.1	-	18.9	18.8	19.0	18.8	-
Misc. fabricated wire products .....	3496	56.9	57.0	58.1	58.0	-	43.4	43.7	44.0	43.8	-
Industrial machinery and equipment .....	35	2,059.2	2,055.6	2,091.4	2,086.3	2,086.4	1,289.0	1,291.4	1,308.4	1,304.3	1,302.6
Engines and turbines .....	351	88.6	90.4	86.2	84.8	-	55.8	57.9	53.5	52.3	-
Turbines and turbine generator sets .....	3511	26.6	27.4	25.2	24.3	-	15.3	16.1	13.9	13.2	-
Internal combustion engines, nec .....	3519	62.0	63.0	61.0	60.5	-	40.5	41.8	39.6	39.1	-
Farm and garden machinery .....	352	100.4	105.3	101.2	99.8	-	73.6	78.3	74.5	73.3	-
Farm machinery and equipment .....	3523	74.0	75.8	72.9	72.3	-	53.2	55.0	52.6	52.1	-
Construction and related machinery .....	353	221.5	220.0	226.0	225.5	-	144.1	143.1	147.8	147.2	-
Construction machinery .....	3531	78.2	77.9	80.6	80.4	-	53.3	53.1	55.5	55.3	-
Mining machinery .....	3532	16.5	16.3	16.5	16.2	-	9.9	9.7	9.9	9.6	-
Oil and gas field machinery .....	3533	39.6	39.4	40.4	40.5	-	26.9	26.8	27.4	27.4	-
Conveyors and conveying equipment .....	3535	40.3	39.9	40.1	40.1	-	23.2	23.0	22.9	22.9	-
Industrial trucks and tractors .....	3537	29.0	28.8	29.6	29.5	-	19.8	19.6	20.3	20.3	-
Metalworking machinery .....	354	339.9	338.9	345.0	343.6	-	241.9	241.4	245.3	244.1	-
Machine tools, metal cutting types .....	3541	39.8	39.1	41.1	41.2	-	24.5	24.0	25.2	25.3	-
Machine tools, metal forming types .....	3542	17.2	17.0	17.6	17.5	-	11.2	11.1	11.5	11.4	-
Special dies, tools, jigs, and fixtures .....	3544	161.6	162.0	164.4	163.4	-	122.9	123.5	125.4	124.4	-
Machine tool accessories .....	3545	50.8	50.4	52.0	51.8	-	35.7	35.5	36.6	36.3	-
Power driven handtools .....	3546	25.3	25.5	24.7	24.8	-	17.5	17.7	16.8	17.0	-
Special industry machinery .....	355	171.6	169.1	177.5	176.4	-	98.6	97.7	99.8	99.0	-
Textile machinery .....	3552	15.6	15.6	15.0	14.9	-	10.4	10.4	9.9	9.9	-
Printing trades machinery .....	3555	23.3	23.0	23.2	22.7	-	12.6	12.3	13.0	12.6	-
Food products machinery .....	3556	25.2	25.0	25.7	25.7	-	15.5	15.4	15.7	15.6	-
General industrial machinery .....	356	251.1	250.2	254.4	254.6	-	161.6	161.4	163.3	163.2	-
Pumps and pumping equipment .....	3561	29.3	29.5	29.3	29.3	-	16.6	16.7	16.8	16.7	-
Ball and roller bearings .....	3562	38.8	38.6	39.2	39.0	-	30.7	30.5	31.1	31.0	-
Air and gas compressors .....	3563	25.8	26.1	26.7	26.8	-	14.9	15.1	15.5	15.5	-
Blowers and fans .....	3564	34.4	34.0	35.0	35.0	-	23.1	23.0	23.1	23.2	-
Speed changers, drives, and gears .....	3566	16.8	16.6	17.2	17.2	-	11.8	11.6	12.1	12.1	-
Power transmission equipment, nec .....	3568	21.0	20.9	21.0	21.1	-	14.5	14.4	14.7	14.8	-
Computer and office equipment .....	357	351.0	347.1	356.5	355.1	354.1	121.6	119.4	124.5	123.6	-
Electronic computers .....	3571	192.2	190.2	195.3	194.4	-	54.3	53.3	55.9	55.6	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	57.2	56.5	56.4	55.9	-	20.6	20.2	21.1	21.1	-
Refrigeration and service machinery .....	358	202.0	203.2	205.9	207.0	-	144.1	145.7	147.6	148.9	-
Refrigeration and heating equipment .....	3585	138.7	140.4	141.7	142.6	-	104.4	106.3	107.4	108.5	-
Misc. industrial and commercial machinery .....	359	333.1	331.4	338.7	339.5	-	247.8	246.5	252.1	252.7	-
Carburetors, pistons, rings, valves .....	3592	22.3	22.3	22.3	22.3	-	17.8	17.9	17.6	17.5	-
Scales, balances, and industrial machinery, nec .....	3596,9	265.8	264.2	270.8	271.5	-	202.8	201.4	206.9	207.5	-
Electronic and other electrical equipment .....	36	1,624.7	1,612.9	1,647.8	1,645.9	1,646.0	1,044.8	1,041.1	1,053.2	1,050.3	1,049.7
Electric distribution equipment .....	361	83.2	83.9	83.0	82.7	-	58.1	58.8	56.9	56.6	-
Transformers, except electronic .....	3612	41.0	41.4	40.8	40.6	-	29.8	30.3	29.3	29.0	-
Switchgear and switchboard apparatus .....	3613	42.2	42.5	42.2	42.1	-	28.3	28.5	27.6	27.6	-
Electrical industrial apparatus .....	362	158.0	157.3	158.7	157.9	-	111.8	111.9	111.8	111.1	-
Motors and generators .....	3621	79.1	79.4	78.5	78.0	-	62.0	62.5	61.3	60.8	-
Relays and industrial controls .....	3625	58.9	58.2	59.4	59.6	-	35.2	35.1	35.5	35.7	-
Household appliances .....	363	121.5	124.2	119.3	119.3	-	98.9	102.1	95.4	95.4	-
Household refrigerators and freezers .....	3632	30.0	30.6	29.7	29.8	-	26.2	27.0	24.8	24.7	-
Household laundry equipment .....	3633	17.1	18.1	15.5	15.4	-	14.8	15.7	12.9	12.9	-
Electric housewares and fans .....	3634	29.2	28.9	28.1	28.0	-	22.4	22.3	21.3	21.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA**  
**EMPLOYMENT**  
**NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Electronic and other electrical equipment—Continued</b>											
Electric lighting and wiring equipment .....	364	177.9	178.4	175.1	174.6	-	128.0	128.8	124.9	124.5	-
Electric lamps .....	3641	22.3	22.5	21.3	21.2	-	16.9	17.2	16.4	16.3	-
Current-carrying wiring devices .....	3643	62.2	62.4	62.4	62.2	-	41.4	41.6	40.7	40.7	-
Noncurrent-carrying wiring devices .....	3644	17.6	17.9	16.7	16.5	-	13.3	13.6	12.5	12.3	-
Residential lighting fixtures .....	3645	19.5	19.9	19.4	19.2	-	14.9	15.3	14.7	14.4	-
Household audio and video equipment .....	365	84.0	81.7	81.9	81.6	-	57.2	54.9	55.8	55.8	-
Household audio and video equipment .....	3651	55.7	54.4	53.7	53.9	-	35.5	34.4	33.9	34.2	-
Communications equipment .....	366	263.0	262.1	262.0	262.0	-	130.4	131.0	128.5	128.1	-
Telephone and telegraph apparatus .....	3661	111.8	110.6	112.9	112.9	-	59.6	59.5	59.0	59.0	-
Electronic components and accessories .....	367	581.7	569.6	612.8	612.6	610.8	349.2	342.1	367.2	365.8	-
Electron tubes .....	3671	24.5	24.1	24.4	24.5	-	16.4	16.0	16.9	17.0	-
Semiconductors and related devices .....	3674	236.0	228.8	256.6	257.6	-	104.2	100.1	115.8	115.7	-
Electronic components, nec .....	3679	136.1	134.1	141.4	141.2	-	90.4	89.5	93.3	93.1	-
Misc. electrical equipment and supplies .....	369	155.4	155.7	155.0	155.2	-	111.1	111.5	112.7	113.0	-
Storage batteries .....	3691	26.3	25.9	26.1	26.1	-	20.5	20.2	20.2	20.3	-
Engine electrical equipment .....	3694	70.7	71.4	70.8	71.0	-	55.4	56.2	56.4	56.4	-
Transportation equipment .....	37	1,784.8	1,806.7	1,728.9	1,768.4	1,774.3	1,195.9	1,215.5	1,162.7	1,201.7	1,207.2
Motor vehicles and equipment .....	371	968.0	974.5	924.8	962.2	969.7	758.9	766.9	730.0	765.0	770.9
Motor vehicles and car bodies .....	3711	361.0	361.9	332.7	365.1	-	270.7	271.4	255.8	286.6	-
Truck and bus bodies .....	3713	38.9	38.9	37.5	39.6	-	31.2	31.6	29.8	32.1	-
Motor vehicle parts and accessories .....	3714	509.9	513.7	504.7	505.8	-	409.9	414.9	404.6	404.9	-
Truck trailers .....	3715	38.7	39.7	30.0	31.7	-	31.7	32.8	23.7	25.1	-
Aircraft and parts .....	372	449.1	460.0	446.0	447.9	448.5	206.7	214.9	208.0	209.8	-
Aircraft .....	3721	243.5	253.9	239.9	241.1	-	93.5	100.6	92.4	93.5	-
Aircraft engines and engine parts .....	3724	93.2	93.0	93.7	93.9	-	46.3	47.1	47.6	48.1	-
Aircraft parts and equipment, nec .....	3728	112.5	113.1	112.4	112.9	-	66.9	67.2	68.0	68.2	-
Ship and boat building and repairing .....	373	158.7	159.1	155.9	156.2	-	123.0	123.9	119.1	120.9	-
Ship building and repairing .....	3731	104.7	103.4	100.3	99.9	-	77.7	76.7	72.4	73.6	-
Boat building and repairing .....	3732	54.0	55.7	55.6	56.3	-	45.3	47.2	46.7	47.3	-
Railroad equipment .....	374	37.2	37.6	35.2	35.0	-	27.9	28.5	26.3	26.2	-
Guided missiles, space vehicles, and parts .....	376	98.9	100.7	93.0	92.2	-	28.0	28.8	25.7	25.4	-
Guided missiles and space vehicles .....	3761	70.0	71.5	66.2	65.9	-	17.9	18.7	16.4	16.3	-
Miscellaneous transportation equipment .....	379	52.6	53.9	53.3	54.2	-	37.0	38.0	38.3	39.1	-
Travel trailers and campers .....	3792	21.5	23.0	22.1	22.8	-	17.8	19.3	18.6	19.2	-
Instruments and related products .....	38	836.8	837.8	831.6	831.1	833.6	413.7	414.1	413.0	413.0	414.4
Search and navigation equipment .....	381	157.9	160.8	152.0	151.8	-	48.1	49.2	45.8	45.0	-
Measuring and controlling devices .....	382	285.3	284.9	286.3	286.3	-	146.3	146.5	145.8	145.9	-
Environmental controls .....	3822	43.2	43.5	42.2	41.8	-	28.4	28.7	27.2	27.0	-
Process control instruments .....	3823	63.6	63.6	64.1	64.2	-	31.5	31.6	32.1	32.0	-
Instruments to measure electricity .....	3825	70.2	70.1	70.7	70.9	-	32.1	32.5	31.9	32.1	-
Medical instruments and supplies .....	384	264.0	262.6	266.8	266.4	-	151.2	150.3	154.3	154.8	-
Surgical and medical instruments .....	3841	101.1	100.6	101.8	102.1	-	61.8	61.1	64.8	65.0	-
Surgical appliances and supplies .....	3842	94.4	94.0	94.4	94.1	-	59.5	59.5	58.3	58.1	-
Ophthalmic goods .....	385	36.9	37.0	35.6	35.4	-	23.7	23.7	23.2	23.3	-
Photographic equipment and supplies .....	386	84.9	84.5	83.8	84.1	-	38.3	37.9	38.2	38.3	-
Watches, clocks, watchcases, and parts .....	387	7.8	8.0	7.1	7.1	-	6.3	6.5	5.7	5.7	-
Miscellaneous manufacturing industries .....	39	389.4	388.7	386.2	384.7	384.8	275.3	275.4	272.2	271.3	270.2
Jewelry, silverware, and plated ware .....	391	50.1	50.0	48.5	48.6	-	34.6	34.5	33.4	33.5	-
Jewelry, precious metal .....	3911	37.3	37.2	35.9	35.9	-	25.6	25.5	24.4	24.4	-
Musical instruments .....	393	14.2	13.9	14.9	15.0	-	11.4	11.4	12.0	12.1	-
Toys and sporting goods .....	394	118.1	118.7	117.0	115.7	-	84.1	84.5	83.1	81.8	-
Dolls, games, toys, and children's vehicles .....	3942,4	41.7	41.2	40.0	40.0	-	27.9	27.5	26.5	26.5	-
Sporting and athletic goods, nec .....	3949	76.4	77.5	77.0	75.7	-	56.2	57.0	56.6	55.3	-
Pens, pencils, office, and art supplies .....	395	31.5	30.8	32.0	32.3	-	21.3	20.7	21.6	22.1	-
Costume jewelry and notions .....	396	26.0	26.3	24.8	24.5	-	18.1	18.4	17.5	17.3	-
Costume jewelry .....	3961	15.4	15.4	14.3	14.0	-	10.5	10.5	9.9	9.8	-
Miscellaneous manufactures .....	399	149.5	149.0	149.0	148.6	-	105.8	105.9	104.6	104.5	-
Signs and advertising specialties .....	3993	63.3	62.5	63.9	63.7	-	42.3	41.7	42.5	42.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Nondurable goods</b>		7,814	7,807	7,591	7,561	7,578	5,489	5,481	5,303	5,276	5,284
Food and kindred products	20	1,680.4	1,629.9	1,625.9	1,612.2	1,624.7	1,238.0	1,190.5	1,193.9	1,181.6	1,192.0
Meat products	201	467.2	460.5	467.5	462.9	-	397.7	391.3	398.7	394.2	-
Meat packing plants	2011	140.8	140.0	139.4	137.9	-	118.5	117.9	116.4	115.1	-
Sausages and other prepared meats	2013	92.1	90.3	92.2	91.9	-	71.2	69.4	71.5	71.2	-
Poultry slaughtering and processing	2015	234.3	230.2	235.9	233.1	-	208.0	204.0	210.8	207.9	-
Dairy products	202	148.1	147.2	146.9	146.8	-	95.4	94.8	95.3	95.4	-
Cheese, natural and processed	2022	39.8	39.0	39.2	38.9	-	32.4	31.6	31.8	31.7	-
Fluid milk	2026	65.5	65.3	65.2	65.1	-	35.5	35.2	35.6	35.6	-
Preserved fruits and vegetables	203	242.2	217.3	205.9	205.7	-	201.6	177.2	168.2	168.1	-
Canned specialties	2032	20.9	20.0	20.1	19.9	-	17.1	16.3	15.9	15.6	-
Canned fruits and vegetables	2033	77.7	62.8	57.8	57.3	-	64.0	49.4	45.5	45.0	-
Frozen fruits and vegetables	2037	51.1	45.5	41.3	41.7	-	44.7	39.0	35.4	36.1	-
Grain mill products	204	127.9	126.4	126.6	125.2	-	90.5	89.4	89.9	88.6	-
Flour and other grain mill products	2041	19.3	19.2	19.2	18.2	-	12.6	12.7	12.2	11.2	-
Prepared feeds, nec	2048	42.6	42.1	42.4	42.1	-	26.7	26.3	26.7	26.4	-
Bakery products	205	209.2	207.3	201.0	201.1	-	139.9	137.6	134.8	134.8	-
Bread, cake, and related products	2051	147.2	146.5	142.8	142.3	-	90.4	89.7	87.3	86.7	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	62.0	60.8	58.2	58.8	-	49.5	47.9	47.5	48.1	-
Sugar and confectionery products	206	100.5	93.0	97.6	91.6	-	78.4	70.9	75.9	70.2	-
Raw cane sugar	2061	5.3	4.3	5.5	4.3	-	4.0	3.2	4.1	3.2	-
Cane sugar refining	2062	4.7	4.7	4.5	4.5	-	3.5	3.4	3.4	3.4	-
Beet sugar	2063	9.4	8.1	7.5	7.6	-	8.2	6.9	6.4	6.6	-
Candy and other confectionery products	2064	53.6	49.2	54.8	50.1	-	42.8	38.5	43.9	39.2	-
Fats and oils	207	31.2	30.8	30.3	30.6	-	20.9	20.9	21.2	21.5	-
Beverages	208	174.5	172.5	173.5	174.9	-	81.9	80.9	81.2	82.8	-
Malt beverages	2082	35.8	35.6	34.9	34.8	-	23.7	23.7	22.7	22.9	-
Bottled and canned soft drinks	2086	92.1	91.4	91.9	92.9	-	36.0	35.5	36.5	37.7	-
Misc. food and kindred products	209	179.6	174.9	176.6	173.4	-	131.8	127.5	128.7	126.0	-
Tobacco products	21	41.9	39.6	39.7	38.9	36.9	31.9	29.7	30.4	29.3	27.8
Cigarettes	211	28.8	28.6	27.9	28.1	-	21.6	21.5	20.6	20.7	-
Textile mill products	22	666.5	679.5	640.1	636.6	639.9	563.1	574.8	541.5	538.5	541.5
Broadwoven fabric mills, cotton	221	78.6	79.4	75.2	74.3	-	69.3	70.0	66.4	65.5	-
Broadwoven fabric mills, synthetics	222	70.3	71.6	66.7	66.7	-	59.0	60.4	56.1	56.2	-
Broadwoven fabric mills, wool	223	15.7	16.2	16.3	16.2	-	13.3	13.7	14.1	14.0	-
Narrow fabric mills	224	23.1	23.6	21.3	20.9	-	19.3	19.7	17.6	17.3	-
Knitting mills	225	195.3	199.1	187.2	187.0	-	167.3	170.7	161.1	161.0	-
Women's hosiery, except socks	2251	22.2	22.3	20.8	20.6	-	19.2	19.3	18.2	18.0	-
Hosiery, nec	2252	42.2	43.2	41.0	41.0	-	37.1	38.1	36.0	35.9	-
Knit outerwear mills	2253	60.6	61.9	56.8	56.5	-	51.7	52.8	48.9	48.7	-
Knit underwear mills	2254	22.0	22.5	22.6	22.6	-	19.3	19.8	20.1	20.1	-
Weft knit fabric mills	2257	27.4	28.4	25.6	25.9	-	22.8	23.8	21.0	21.3	-
Textile finishing, except wool	226	72.7	74.7	70.1	69.7	-	59.3	61.3	57.0	56.7	-
Finishing plants, cotton	2261	34.4	35.5	33.3	33.3	-	28.2	29.4	27.2	27.2	-
Finishing plants, synthetics	2262	24.2	24.7	23.2	22.7	-	19.3	19.8	18.4	18.0	-
Carpets and rugs	227	63.4	64.2	61.8	61.2	-	51.0	51.5	49.8	49.3	-
Yarn and thread mills	228	95.4	97.6	90.8	90.7	-	84.4	86.6	80.2	80.3	-
Yarn spinning mills	2281	72.8	74.6	68.9	68.7	-	65.3	67.0	61.5	61.5	-
Throwing and winding mills	2282	15.4	15.6	15.2	15.2	-	13.1	13.4	13.0	13.0	-
Miscellaneous textile goods	229	52.1	53.1	50.7	49.9	-	40.1	40.9	39.2	38.2	-
Apparel and other textile products	23	930.4	952.2	859.6	856.9	857.1	771.6	793.4	707.1	704.1	703.3
Men's and boys' suits and coats	231	36.4	37.5	33.6	33.3	-	29.7	30.8	27.3	27.0	-
Men's and boys' furnishings	232	251.4	259.3	226.6	227.1	-	214.3	222.4	191.3	192.3	-
Men's and boys' shirts	2321	55.0	57.3	47.4	47.1	-	46.6	49.1	39.8	39.4	-
Men's and boys' trousers and slacks	2325	76.8	78.5	70.7	71.6	-	66.0	67.8	61.0	61.6	-
Men's and boys' work clothing	2326	40.2	41.3	37.7	37.8	-	35.0	36.0	32.3	32.6	-
Women's and misses' outerwear	233	276.5	283.6	254.8	252.0	-	228.3	235.4	209.8	206.2	-
Women's and misses' blouses and shirts	2331	29.7	30.9	25.8	26.0	-	23.5	24.4	20.3	20.3	-
Women's, juniors', and misses' dresses	2335	44.2	44.5	44.5	43.3	-	35.6	35.9	36.4	35.2	-
Women's and misses' suits and coats	2337	30.3	29.3	28.1	28.0	-	23.6	22.6	21.9	21.9	-
Women's and misses' outerwear, nec	2339	172.3	178.9	156.4	154.7	-	145.6	152.5	131.2	128.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
<b>Apparel and other textile products—Continued</b>											
Women's and children's undergarments .....	234	47.7	49.4	41.4	41.4	-	39.5	41.1	33.5	33.6	-
Women's and children's underwear .....	2341	36.0	37.5	30.3	30.5	-	31.2	32.7	25.7	25.9	-
Brassieres, girdles, and allied garments .....	2342	11.7	11.9	11.1	10.9	-	8.3	8.4	7.8	7.7	-
Girls' and children's outerwear .....	236	43.2	42.6	38.1	36.8	-	36.1	35.7	31.5	30.2	-
Girls' and children's dresses and blouses .....	2361	17.5	17.1	14.9	14.2	-	14.8	14.4	12.7	12.0	-
Misc. apparel and accessories .....	238	36.3	37.1	35.9	35.7	-	29.5	30.0	29.4	28.8	-
Misc. fabricated textile products .....	239	218.7	221.7	210.1	211.5	-	177.9	180.8	169.1	170.7	-
Curtains and draperies .....	2391	20.1	20.0	18.8	18.9	-	16.1	16.0	15.0	15.0	-
House furnishings, nec .....	2392	56.7	57.5	54.8	54.8	-	48.2	49.0	46.6	46.7	-
Automotive and apparel trimmings .....	2396	59.1	60.1	55.6	56.3	-	47.6	48.8	44.2	45.1	-
Paper and allied products .....	26	691.5	691.1	676.2	672.6	674.2	524.5	524.1	511.6	509.3	510.9
Paper mills .....	262	163.6	163.5	159.2	158.8	-	126.2	126.3	122.8	122.6	-
Paperboard mills .....	263	51.1	50.8	50.3	49.6	-	39.3	39.1	38.3	37.7	-
Paperboard containers and boxes .....	265	220.2	220.0	217.4	216.1	-	171.9	171.5	168.9	167.8	-
Corrugated and solid fiber boxes .....	2653	130.7	130.5	131.3	130.4	-	98.5	98.3	98.4	97.7	-
Sanitary food containers .....	2656	18.7	19.1	18.0	18.0	-	16.4	16.8	15.9	15.9	-
Folding paperboard boxes .....	2657	48.0	47.9	46.1	45.9	-	39.1	38.9	37.5	37.4	-
Misc. converted paper products .....	267	244.0	244.3	237.0	235.8	-	177.4	177.5	172.2	171.7	-
Paper, coated and laminated, nec .....	2672	48.2	48.4	47.4	47.4	-	24.1	24.1	22.9	22.9	-
Bags: plastics, laminated, and coated .....	2673	39.1	38.6	38.2	38.0	-	29.5	28.9	29.3	29.3	-
Envelopes .....	2677	23.6	23.5	23.9	23.8	-	18.4	18.4	18.6	18.4	-
Printing and publishing .....	27	1,542.6	1,544.1	1,530.6	1,525.4	1,522.5	846.1	848.3	838.5	835.7	831.4
Newspapers .....	271	446.7	446.7	439.4	438.6	-	154.5	154.1	149.9	149.4	-
Periodicals .....	272	130.7	130.6	129.7	128.7	-	42.5	43.1	41.9	41.7	-
Books .....	273	123.0	125.0	124.8	124.4	-	65.4	67.7	67.3	67.6	-
Book publishing .....	2731	84.6	86.1	85.4	85.1	-	34.5	36.3	35.6	35.9	-
Book printing .....	2732	38.4	38.9	39.4	39.3	-	30.9	31.4	31.7	31.7	-
Miscellaneous publishing .....	274	84.1	85.3	83.8	84.4	-	39.7	40.6	41.0	41.4	-
Commercial printing .....	275	561.5	560.5	562.7	561.1	-	404.8	404.5	404.3	402.4	-
Commercial printing, lithographic .....	2752	366.3	365.4	367.2	365.4	-	262.9	262.8	262.8	261.3	-
Commercial printing, nec .....	2759	174.1	174.4	174.8	175.1	-	125.0	125.0	125.3	125.0	-
Manifold business forms .....	276	45.2	45.3	44.2	43.9	-	31.7	32.2	30.5	30.2	-
Blankbooks and bookbinding .....	278	69.7	69.6	67.3	66.6	-	53.8	53.6	52.2	51.6	-
Printing trade services .....	279	55.0	55.1	53.2	52.6	-	39.2	39.3	37.3	36.7	-
Chemicals and allied products .....	28	1,034.9	1,035.3	1,024.0	1,021.1	1,021.3	578.0	575.7	571.9	569.4	566.1
Industrial inorganic chemicals .....	281	118.9	120.0	116.0	116.6	-	53.7	53.7	52.9	53.4	-
Industrial inorganic chemicals, nec .....	2819	73.7	75.2	70.6	71.2	-	35.2	35.2	34.7	35.1	-
Plastics materials and synthetics .....	282	157.1	157.1	154.8	154.6	-	105.3	105.9	102.4	102.0	-
Plastics materials and resins .....	2821	75.1	75.0	75.0	75.0	-	47.6	48.0	46.4	46.1	-
Organic fibers, noncellulosic .....	2824	48.1	48.2	46.2	46.1	-	35.6	35.3	35.3	35.3	-
Drugs .....	283	258.7	258.6	256.6	255.6	-	126.7	124.6	124.9	123.1	-
Pharmaceutical preparations .....	2834	209.0	209.4	206.8	206.1	-	107.1	105.9	104.4	102.6	-
Soap, cleaners, and toilet goods .....	284	152.1	150.7	150.0	148.4	-	93.8	92.2	92.1	91.0	-
Soap and other detergents .....	2841	42.5	42.1	42.7	42.2	-	23.9	23.5	23.7	23.6	-
Polishing, sanitation, and finishing preparations .....	2842,3	41.2	41.3	39.6	39.7	-	24.1	24.1	22.6	22.5	-
Toilet preparations .....	2844	68.4	67.3	67.7	66.5	-	45.9	44.6	45.8	44.9	-
Paints and allied products .....	285	56.6	56.9	56.6	56.5	-	29.7	29.8	30.1	30.1	-
Industrial organic chemicals .....	286	146.6	145.9	146.2	145.6	-	83.0	82.3	83.7	83.7	-
Cyclic crudes and intermediates .....	2865	25.9	26.0	25.9	25.8	-	15.1	15.0	15.5	15.5	-
Industrial organic chemicals, nec .....	2869	118.0	117.2	117.7	117.2	-	66.0	65.4	66.2	66.2	-
Agricultural chemicals .....	287	53.1	54.1	52.7	53.3	-	31.0	32.2	31.1	31.7	-
Miscellaneous chemical products .....	289	91.9	92.0	91.1	90.5	-	54.9	55.0	54.7	54.4	-
Petroleum and coal products .....	29	144.4	145.7	136.7	137.8	139.7	93.3	94.3	87.2	88.6	90.7
Petroleum refining .....	291	103.8	105.3	98.6	98.0	-	66.0	67.2	62.2	62.0	-
Asphalt paving and roofing materials .....	295	26.7	26.3	24.4	26.0	-	19.9	19.7	17.7	19.2	-
Rubber and misc. plastics products .....	30	975.6	982.6	960.7	961.8	964.6	759.5	765.6	744.6	743.9	746.0
Tires and inner tubes .....	301	79.6	79.3	78.1	78.2	-	57.7	57.6	56.7	56.8	-
Rubber and plastics footwear .....	302	8.0	9.0	5.7	5.8	-	6.4	7.2	4.6	4.6	-
Hose, belting, gaskets, and packing .....	305	68.2	68.6	67.5	67.5	-	52.4	53.0	51.5	51.1	-
Rubber and plastics hose and belting .....	3052	27.4	27.7	27.0	27.0	-	21.4	21.8	21.1	20.8	-
Fabricated rubber products, nec .....	306	110.8	111.9	108.7	108.9	-	85.7	86.9	83.2	83.4	-
Miscellaneous plastics products, nec .....	308	708.9	713.8	700.7	701.4	-	557.3	560.9	548.6	548.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Leather and leather products .....	31	105.6	107.4	97.9	97.2	96.7	82.8	84.5	75.9	75.4	74.7
Leather tanning and finishing .....	311	13.7	14.2	13.2	13.2	-	11.3	11.8	10.7	10.8	-
Footwear, except rubber .....	314	52.7	53.7	47.5	47.3	-	42.9	43.8	38.3	38.3	-
Men's footwear, except athletic .....	3143	25.8	26.0	24.6	24.6	-	20.2	20.5	19.3	19.3	-
Women's footwear, except athletic .....	3144	17.4	17.8	14.9	14.8	-	14.4	14.6	12.2	12.1	-
Luggage .....	316	10.6	10.7	10.5	10.5	-	8.0	8.2	7.8	7.8	-
Handbags and personal leather goods .....	317	11.7	11.7	10.9	10.4	-	7.8	7.8	7.0	6.4	-
<b>Transportation and public utilities .....</b>		<b>6,165</b>	<b>6,097</b>	<b>6,233</b>	<b>6,251</b>	<b>6,309</b>	<b>5,164</b>	<b>5,093</b>	<b>5,233</b>	<b>5,248</b>	<b>5,311</b>
Transportation .....		3,918	3,871	3,965	3,981	4,038	-	-	-	-	-
Railroad transportation .....	40	238.5	241.2	230.9	231.4	233.4	-	-	-	-	-
Class I railroads plus Amtrak <sup>2</sup> .....	4011	212.1	214.6	204.9	205.3	-	-	-	-	-	-
Local and interurban passenger transit .....	41	423.4	427.5	455.3	452.4	463.8	389.5	394.1	420.0	416.1	-
Local and suburban transportation .....	411	202.6	198.6	210.9	211.6	-	184.3	180.6	192.2	192.5	-
Taxicabs .....	412	31.8	31.0	34.5	34.5	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	23.9	23.5	24.8	25.3	-	21.8	21.3	22.5	23.1	-
School buses .....	415	134.1	143.6	152.9	147.4	-	-	-	-	-	-
Trucking and warehousing .....	42	1,866.7	1,828.0	1,835.9	1,844.2	1,870.9	1,622.4	1,581.4	1,593.6	1,602.4	-
Trucking and courier services, except air .....	421	1,720.6	1,685.1	1,688.4	1,695.5	-	1,500.2	1,462.5	1,470.3	1,478.1	-
Public warehousing and storage .....	422	141.8	138.8	142.9	144.2	-	118.4	115.1	119.3	120.3	-
Water transportation .....	44	174.3	175.3	165.8	171.5	174.7	-	-	-	-	-
Water transportation of freight, nec .....	444	12.9	12.9	13.6	13.5	-	-	-	-	-	-
Water transportation services .....	449	117.7	117.2	114.9	119.8	-	104.6	104.5	101.2	106.1	-
Transportation by air .....	45	787.5	774.6	830.6	833.3	842.1	-	-	-	-	-
Air transportation, scheduled .....	451	634.5	626.0	664.1	665.8	-	-	-	-	-	-
Air transportation, scheduled .....	4512	487.3	483.5	503.5	504.9	-	-	-	-	-	-
Airports, flying fields, and services .....	458	109.8	107.5	116.3	116.9	-	-	-	-	-	-
Pipelines, except natural gas .....	46	14.9	15.1	14.0	13.9	14.0	11.9	11.9	11.3	11.2	-
Transportation services .....	47	412.8	409.1	432.3	434.4	439.2	329.7	326.4	346.9	348.6	-
Passenger transportation arrangement .....	472	204.2	205.5	208.5	209.4	-	166.1	166.7	172.3	172.9	-
Travel agencies .....	4724	162.7	164.1	165.6	165.9	-	131.8	132.3	136.9	136.9	-
Freight transportation arrangement .....	473	166.5	162.2	179.0	179.1	-	129.0	125.7	137.6	137.9	-
Communications and public utilities .....		2,247	2,226	2,268	2,270	2,271	-	-	-	-	-
Communications .....	48	1,333.1	1,314.5	1,371.8	1,373.8	1,374.9	1,028.8	1,012.1	1,075.1	1,074.8	-
Telephone communications .....	481	914.8	901.5	937.1	937.8	-	684.2	672.0	715.4	714.4	-
Telephone communications, except radio .....	4813	813.1	803.6	822.4	821.2	-	607.8	599.5	625.8	622.6	-
Radio and television broadcasting .....	483	236.0	233.9	240.9	241.8	-	198.2	196.1	202.3	202.6	-
Radio broadcasting stations .....	4832	113.5	112.6	114.3	114.9	-	-	-	-	-	-
Television broadcasting stations .....	4833	122.5	121.3	126.6	126.9	-	-	-	-	-	-
Cable and other pay television services .....	484	157.4	153.2	171.8	172.1	-	133.0	129.8	145.4	145.8	-
Electric, gas, and sanitary services .....	49	914.2	911.7	896.5	896.4	896.4	722.3	717.1	706.8	706.8	-
Electric services .....	491	404.0	405.1	388.0	386.7	-	315.4	314.6	304.8	304.2	-
Gas production and distribution .....	492	153.8	154.5	147.9	147.6	-	119.5	120.3	115.4	115.1	-
Combination utility services .....	493	167.1	167.6	162.8	163.4	-	127.9	127.6	125.6	126.3	-
Sanitary services .....	495	157.2	152.8	165.0	165.7	-	134.7	130.6	135.4	135.4	-
<b>Wholesale trade .....</b>		<b>6,412</b>	<b>6,354</b>	<b>6,504</b>	<b>6,532</b>	<b>6,568</b>	<b>5,191</b>	<b>5,138</b>	<b>5,252</b>	<b>5,271</b>	<b>5,298</b>
Durable goods .....	50	3,735	3,701	3,826	3,839	3,853	3,001	2,971	3,060	3,067	-
Motor vehicles, parts, and supplies .....	501	492.4	488.8	498.1	499.4	-	400.4	397.1	407.0	407.7	-
Automobiles and other motor vehicles .....	5012	129.4	128.5	133.8	134.3	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	288.4	286.4	289.4	289.8	-	-	-	-	-	-
Furniture and home furnishings .....	502	149.8	146.2	156.5	156.9	-	120.2	117.2	124.8	125.2	-
Furniture .....	5021	69.0	67.1	72.7	73.2	-	-	-	-	-	-
Home furnishings .....	5023	80.8	79.1	83.8	83.7	-	-	-	-	-	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Wholesale trade—Continued</b>											
Durable goods—Continued											
Lumber and other construction materials .....	503	241.1	239.1	240.9	244.4	-	198.9	197.5	197.3	200.9	-
Lumber, plywood, and millwork .....	5031	123.3	122.7	123.0	123.9	-	-	-	-	-	-
Construction materials, nec .....	5039	38.6	38.1	38.7	39.0	-	-	-	-	-	-
Professional and commercial equipment .....	504	808.8	797.0	858.4	861.8	-	649.3	640.7	680.0	681.1	-
Office equipment .....	5044	190.2	187.3	204.2	205.1	-	-	-	-	-	-
Computers, peripherals and software .....	5045	302.1	299.8	316.5	318.4	-	-	-	-	-	-
Medical and hospital equipment .....	5047	175.2	172.1	188.9	189.3	-	144.1	141.0	156.0	155.9	-
Metals and minerals, except petroleum .....	505	142.5	141.4	145.9	146.7	-	114.8	113.7	118.1	118.4	-
Electrical goods .....	506	493.4	491.2	499.8	500.5	-	387.7	386.4	388.2	386.6	-
Electrical apparatus and equipment .....	5063	210.9	209.5	215.6	216.1	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	49.9	50.0	48.8	48.7	-	-	-	-	-	-
Electronic parts and equipment .....	5065	232.6	231.7	235.4	235.7	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	287.2	285.7	287.9	288.2	-	232.2	230.9	231.6	232.2	-
Hardware .....	5072	101.4	100.9	101.3	101.1	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	114.4	114.6	114.0	114.2	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	788.0	785.5	800.4	803.5	-	626.6	623.7	639.2	641.5	-
Construction and mining machinery .....	5082	81.7	80.8	84.4	84.4	-	-	-	-	-	-
Farm and garden machinery .....	5083	119.1	119.9	119.5	121.0	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	319.9	319.0	323.9	325.6	-	-	-	-	-	-
Industrial supplies .....	5085	149.0	148.0	152.0	152.0	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	332.1	326.4	338.1	337.4	-	270.2	264.1	273.9	273.7	-
Scrap and waste materials .....	5093	128.8	125.2	133.2	132.5	-	-	-	-	-	-
Nondurable goods .....	51	2,677	2,653	2,678	2,693	2,715	2,191	2,167	2,192	2,204	-
Paper and paper products .....	511	256.3	250.9	267.5	266.9	-	211.5	206.1	221.8	220.8	-
Stationery and office supplies .....	5112	145.1	141.9	153.9	152.8	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	199.7	199.0	202.4	202.5	-	164.9	164.4	168.2	168.9	-
Apparel, piece goods, and notions .....	513	224.3	222.5	221.7	222.5	-	177.2	174.7	176.3	177.3	-
Groceries and related products .....	514	894.3	878.8	887.6	888.5	-	749.7	734.1	745.4	744.2	-
Groceries, general line .....	5141	278.5	276.3	276.9	276.8	-	-	-	-	-	-
Meats and meat products .....	5147	61.8	61.0	61.5	61.1	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	106.1	99.2	103.8	105.3	-	-	-	-	-	-
Farm-product raw materials .....	515	111.5	110.0	106.5	107.6	-	90.9	89.1	85.9	87.1	-
Chemicals and allied products .....	516	146.8	147.2	144.0	145.2	-	110.9	111.1	106.8	107.2	-
Petroleum and petroleum products .....	517	160.5	160.0	161.0	160.6	-	132.0	130.6	133.0	132.9	-
Petroleum bulk stations and terminals .....	5171	65.7	65.8	65.0	64.6	-	-	-	-	-	-
Petroleum products, nec .....	5172	94.8	94.2	96.0	96.0	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	152.6	150.5	152.4	152.6	-	124.1	121.7	123.4	123.8	-
Beer and ale .....	5181	99.1	97.6	99.0	99.3	-	-	-	-	-	-
Wine and distilled beverages .....	5182	53.5	52.9	53.4	53.3	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	530.3	533.7	535.2	546.4	-	429.5	434.7	431.2	441.9	-
Farm supplies .....	5191	161.2	166.8	164.3	171.5	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>21,173</b>	<b>20,863</b>	<b>20,912</b>	<b>21,168</b>	<b>21,495</b>	<b>18,624</b>	<b>18,325</b>	<b>18,361</b>	<b>18,594</b>	<b>18,895</b>
Building materials and garden supplies .....	52	870.9	874.5	856.0	901.7	938.7	727.8	732.9	709.1	751.1	-
Lumber and other building materials .....	521	513.4	508.4	505.7	526.4	-	437.2	433.4	425.8	444.4	-
Paint, glass, and wallpaper stores .....	523	67.0	66.1	66.1	67.1	-	52.1	51.4	50.8	51.7	-
Hardware stores .....	525	162.7	161.9	159.5	162.3	-	134.0	133.5	131.0	133.4	-
Retail nurseries and garden stores .....	526	92.3	103.9	88.2	108.2	-	75.6	86.9	71.5	90.9	-
General merchandise stores .....	53	2,677.6	2,571.4	2,579.0	2,574.7	2,610.0	2,495.1	2,391.1	2,395.7	2,396.3	-
Department stores .....	531	2,347.5	2,248.7	2,272.4	2,264.6	2,299.6	2,206.4	2,108.4	2,131.2	2,128.8	-
Variety stores .....	533	135.0	132.7	124.7	125.6	-	118.7	116.6	107.4	108.2	-
Miscellaneous general merchandise stores .....	539	195.1	190.0	181.9	184.5	-	170.1	166.1	157.1	159.3	-
Food stores .....	54	3,363.7	3,315.5	3,356.7	3,364.4	3,401.5	3,059.2	3,012.9	3,046.2	3,053.3	-
Grocery stores .....	541	2,985.2	2,945.0	2,980.1	2,977.9	-	2,734.8	2,695.4	2,726.0	2,723.6	-
Meat and fish markets .....	542	47.0	47.8	45.6	46.9	-	-	-	-	-	-
Dairy products stores .....	545	14.1	13.7	8.6	9.2	-	-	-	-	-	-
Retail bakeries .....	546	185.9	183.6	190.8	193.4	-	163.6	162.0	167.3	170.3	-
Automotive dealers and service stations .....	55	2,190.0	2,173.2	2,222.4	2,243.7	2,262.7	1,824.8	1,810.7	1,851.1	1,871.9	-
New and used car dealers .....	551	995.6	989.3	1,016.6	1,022.3	1,028.4	831.8	826.8	849.4	854.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Retail trade—Continued</b>											
<b>Automotive dealers and service stations—Continued</b>											
Auto and home supply stores .....	553	372.6	366.7	377.2	385.3	-	296.5	291.2	300.2	308.0	-
Gasoline service stations .....	554	646.8	641.5	649.5	652.1	-	556.7	551.4	559.1	562.3	-
Automotive dealers, nec .....	559	8.6	8.5	9.0	8.9	-	7.2	7.1	7.4	7.3	-
Apparel and accessory stores .....	56	1,126.6	1,109.5	1,068.8	1,070.5	1,071.5	919.1	901.5	871.2	872.6	-
Men's and boys' clothing stores .....	561	85.1	85.4	79.8	80.0	-	68.6	68.5	63.2	63.3	-
Women's clothing stores .....	562	336.2	331.0	324.8	325.2	-	271.6	266.1	264.6	264.6	-
Family clothing stores .....	565	321.3	314.5	293.1	292.3	-	274.8	268.4	251.0	250.4	-
Shoe stores .....	566	202.5	199.4	198.9	199.1	-	158.2	155.4	154.3	154.3	-
Furniture and home furnishings stores .....	57	942.4	933.1	944.5	951.3	955.4	761.9	752.1	766.1	769.6	-
Furniture and home furnishings stores .....	571	489.5	486.7	487.3	497.1	-	396.4	394.7	393.4	400.9	-
Furniture stores .....	5712	292.1	292.1	292.7	298.3	-	-	-	-	-	-
Household appliance stores .....	572	78.1	78.8	74.4	74.0	-	63.4	63.5	60.4	60.3	-
Radio, television, and computer stores .....	573	374.8	367.6	382.8	380.2	-	302.1	293.9	312.3	308.4	-
Radio, television, and electronic stores .....	5731	165.0	159.6	171.1	169.6	-	136.6	131.5	142.2	139.5	-
Record and prerecorded tape stores .....	5735	81.8	81.5	77.0	76.3	-	60.5	58.7	59.1	58.7	-
Eating and drinking places .....	58	7,350.0	7,287.9	7,272.8	7,446.7	7,609.8	6,626.7	6,567.6	6,549.5	6,707.2	-
Miscellaneous retail establishments .....	59	2,651.6	2,597.4	2,611.6	2,614.9	2,645.4	2,209.1	2,156.1	2,171.6	2,172.2	-
Drug stores and proprietary stores .....	591	604.5	602.8	604.5	606.0	-	503.9	502.5	503.8	504.5	-
Liquor stores .....	592	111.1	110.0	111.1	112.0	-	-	-	-	-	-
Used merchandise stores .....	593	100.2	97.6	105.5	105.3	-	84.1	81.7	88.5	88.0	-
Miscellaneous shopping goods stores .....	594	933.5	896.5	903.4	900.6	-	777.9	740.7	749.5	746.6	-
Sporting goods and bicycle shops .....	5941	181.2	176.6	171.1	173.6	-	-	-	-	-	-
Book stores .....	5942	115.8	111.2	118.7	115.7	-	-	-	-	-	-
Stationery stores .....	5943	80.8	81.1	85.1	84.3	-	-	-	-	-	-
Jewelry stores .....	5944	136.5	134.2	131.8	130.8	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	212.0	200.4	199.9	203.4	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	55.4	55.2	55.9	54.2	-	-	-	-	-	-
Nonstore retailers .....	596	327.3	317.5	320.0	317.7	-	278.8	270.2	270.8	268.7	-
Catalog and mail-order houses .....	5961	201.6	193.5	195.8	194.0	-	-	-	-	-	-
Merchandising machine operators .....	5962	70.3	70.3	69.8	69.0	-	-	-	-	-	-
Fuel dealers .....	598	100.4	99.6	103.0	100.6	-	82.7	81.9	85.8	83.3	-
Retail stores, nec .....	599	474.6	473.4	464.1	472.7	-	390.9	389.2	382.6	389.7	-
Florists, tobacco stores, and newsstands .....	5992,3,4	145.3	148.3	144.2	148.6	-	-	-	-	-	-
Optical goods stores .....	5995	65.5	65.4	64.9	65.5	-	53.4	53.1	53.6	53.7	-
Miscellaneous retail stores, nec .....	5999	263.7	259.7	255.0	258.6	-	212.2	207.8	205.0	208.2	-
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		6,830	6,777	6,893	6,912	6,955	4,978	4,927	5,018	5,038	5,075
<b>Finance</b> .....		3,238	3,217	3,287	3,292	3,307	-	-	-	-	-
Depository institutions .....	60	2,025.6	2,023.5	2,013.4	2,013.2	2,021.3	1,457.9	1,455.0	1,443.6	1,445.6	-
Commercial banks .....	602	1,467.1	1,462.6	1,458.4	1,457.6	1,462.9	1,041.3	1,036.1	1,030.5	1,031.5	-
State commercial banks .....	6022	589.1	585.9	589.8	590.6	-	423.6	420.5	421.7	422.6	-
National and commercial banks, nec .....	6021,9	878.1	876.7	868.6	867.0	-	617.7	615.6	608.8	608.9	-
Savings institutions .....	603	274.9	278.5	265.2	265.5	266.6	-	-	-	-	-
Federal savings institutions .....	6035	148.6	149.9	144.3	144.7	-	-	-	-	-	-
Savings institutions, except federal .....	6036	126.3	128.6	120.9	120.8	-	-	-	-	-	-
Credit unions .....	606	156.1	154.7	160.2	160.9	-	124.4	123.3	127.2	127.6	-
Nondepository institutions .....	61	462.3	450.4	502.4	504.7	507.2	334.8	324.0	365.8	367.5	-
Personal credit institutions .....	614	142.5	139.8	152.3	152.5	-	104.6	102.6	110.0	109.8	-
Business credit institutions .....	615	92.7	90.8	100.9	101.2	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	205.1	198.0	226.3	227.9	229.6	-	-	-	-	-
Security and commodity brokers .....	62	522.8	518.9	530.4	532.5	535.5	-	-	-	-	-
Security brokers and dealers .....	621	398.8	395.8	403.6	405.1	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	24.0	23.7	24.4	24.5	-	-	-	-	-	-
Security and commodity services .....	628	100.0	99.4	102.4	102.9	-	65.7	65.6	66.7	67.2	-
Holding and other investment offices .....	67	227.3	224.5	240.5	241.5	242.9	-	-	-	-	-
Holding offices .....	671	103.9	102.5	109.5	110.1	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Insurance .....	63,64	2,238	2,233	2,257	2,254	2,258	-	-	-	-	-
Insurance carriers .....	63	1,541.2	1,539.5	1,549.0	1,546.9	1,549.0	1,101.0	1,096.1	1,104.5	1,103.5	-
Life insurance .....	631	575.1	577.7	562.6	559.4	-	385.2	384.8	372.3	370.2	-
Medical service and health insurance .....	632	306.1	303.1	321.7	322.1	-	250.9	247.3	264.8	265.1	-
Hospital and medical service plans .....	6324	244.9	241.1	260.2	260.6	-	204.1	200.7	216.9	217.3	-
Fire, marine, and casualty insurance .....	633	532.6	532.8	531.5	530.4	-	361.4	361.9	359.3	358.9	-
Title insurance .....	636	64.6	63.0	69.4	70.5	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	696.8	693.1	708.0	707.4	708.5	-	-	-	-	-
Real estate .....	65	1,354	1,327	1,349	1,366	1,390	-	-	-	-	-
Real estate operators and lessors .....	651	572.1	563.5	571.7	574.8	-	-	-	-	-	-
Real estate agents and managers .....	653	639.7	624.4	641.0	647.0	-	-	-	-	-	-
Subdividers and developers .....	655	111.9	109.7	105.4	112.8	-	-	-	-	-	-
<b>Services .....</b>		<b>33,107</b>	<b>32,895</b>	<b>33,849</b>	<b>34,128</b>	<b>34,378</b>	<b>28,965</b>	<b>28,782</b>	<b>29,595</b>	<b>29,840</b>	<b>30,064</b>
Agricultural services .....	07	578.9	587.5	540.2	610.0	658.6	485.4	493.9	446.1	512.9	-
Veterinary services .....	074	163.4	159.7	166.3	167.5	-	136.9	133.3	138.7	139.9	-
Landscape and horticultural services .....	078	368.5	381.4	328.9	396.0	-	310.2	322.8	270.7	335.0	-
Hotels and other lodging places .....	70	1,657.2	1,609.3	1,598.1	1,623.8	1,689.2	-	-	-	-	-
Hotels and motels .....	701	1,603.4	1,564.3	1,551.1	1,573.5	-	1,409.4	1,373.9	1,361.1	1,380.3	-
Personal services .....	72	1,163.5	1,218.9	1,238.1	1,238.2	1,161.1	-	-	-	-	-
Laundry, cleaning, and garment services .....	721	432.5	429.4	431.2	434.5	-	381.8	378.7	379.7	382.7	-
Photographic studios, portrait .....	722	74.5	70.0	72.2	73.8	-	-	-	-	-	-
Beauty shops .....	723	390.4	390.4	394.5	395.0	-	349.9	350.2	352.6	352.6	-
Funeral service and crematories .....	726	91.8	91.8	92.4	92.7	-	-	-	-	-	-
Miscellaneous personal services .....	729	157.1	219.9	231.3	225.5	-	134.6	195.3	203.8	198.8	-
Business services .....	73	6,786.3	6,618.1	6,944.1	6,988.7	7,090.3	6,046.7	5,887.2	6,171.3	6,214.2	-
Advertising .....	731	235.7	231.1	248.7	249.7	-	171.9	168.0	182.3	183.1	-
Advertising agencies .....	7311	159.0	156.3	168.4	169.9	-	-	-	-	-	-
Credit reporting and collection .....	732	119.1	117.7	120.8	120.8	-	-	-	-	-	-
Mailing, reproduction, and stenographic services .....	733	278.0	275.2	294.7	298.8	-	-	-	-	-	-
Photocopying and duplicating services .....	7334	69.9	70.1	75.1	76.1	-	57.6	57.5	62.6	63.5	-
Services to buildings .....	734	881.5	873.7	892.0	895.2	904.2	790.6	782.8	799.4	804.3	-
Disinfecting and pest control services .....	7342	81.8	82.1	83.0	84.9	-	65.2	65.2	65.5	67.1	-
Building maintenance services, nec .....	7349	799.7	791.6	809.0	810.3	-	725.4	717.6	733.9	737.2	-
Miscellaneous equipment rental and leasing .....	735	224.6	220.3	222.2	225.6	-	181.0	176.9	177.7	181.3	-
Medical equipment rental .....	7352	37.1	35.9	38.8	38.8	-	29.5	28.2	30.7	31.0	-
Heavy construction equipment rental .....	7353	41.2	40.8	42.1	42.9	-	35.2	34.9	35.8	36.4	-
Equipment rental and leasing, nec .....	7359	146.3	143.6	141.3	143.9	-	116.3	113.8	111.2	113.9	-
Personnel supply services .....	736	2,475.3	2,384.0	2,481.1	2,505.4	2,570.9	-	-	-	-	-
Employment agencies .....	7361	286.0	278.7	293.1	291.8	-	-	-	-	-	-
Help supply services .....	7363	2,189.3	2,105.3	2,188.0	2,213.6	2,278.3	2,127.8	2,043.9	2,126.1	2,152.2	-
Computer and data processing services .....	737	1,080.4	1,055.8	1,158.6	1,168.9	1,178.8	871.0	851.0	929.3	934.4	-
Computer programming services .....	7371	243.6	235.7	260.2	263.0	-	204.8	197.6	218.8	219.9	-
Prepackaged software .....	7372	181.9	175.7	198.6	200.2	-	-	-	-	-	-
Computer integrated systems design .....	7373	128.2	124.9	134.7	134.5	-	96.3	94.0	98.1	97.5	-
Data processing and preparation .....	7374	225.3	225.2	237.2	240.1	-	-	-	-	-	-
Information retrieval services .....	7375	55.8	54.0	63.3	64.0	-	42.8	41.7	48.0	48.1	-
Computer maintenance and repair .....	7378	47.9	47.3	50.7	51.3	-	39.7	39.2	39.4	39.1	-
Miscellaneous business services .....	738	1,491.6	1,460.3	1,526.0	1,524.3	-	1,307.4	1,278.3	1,335.4	1,335.7	-
Detective and armored car services .....	7381	533.7	519.2	551.9	548.5	-	496.7	483.3	512.3	509.9	-
Security systems services .....	7382	47.9	47.3	48.5	48.4	-	40.5	40.1	41.1	40.8	-
Photofinishing laboratories .....	7384	73.0	70.3	69.6	71.1	-	-	-	-	-	-
Auto repair, services, and parking .....	75	1,019.8	1,008.6	1,064.9	1,071.8	1,081.1	841.8	833.6	879.2	882.4	-
Automotive rentals, without drivers .....	751	183.0	179.2	192.1	194.1	-	150.4	147.2	157.8	158.9	-
Passenger car rental .....	7514	115.2	112.6	122.7	124.9	-	96.2	94.0	102.9	104.6	-
Automobile parking .....	752	64.7	64.0	64.1	64.1	-	57.4	56.7	56.1	56.5	-
Automotive repair shops .....	753	566.3	558.6	587.1	595.0	-	458.0	451.9	475.1	480.3	-
Automotive and tire repair shops .....	7532,4	198.9	195.0	209.9	211.9	-	164.3	161.1	173.4	174.8	-
General automotive repair shops .....	7538	234.6	232.4	241.0	244.7	-	188.3	186.8	194.4	196.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Services—Continued</b>											
Auto repair, services, and parking—Continued											
Automotive services, except repair .....	754	205.8	206.8	221.6	218.6	-	176.1	177.8	190.2	186.7	-
Carwashes .....	7542	115.1	116.9	127.4	124.3	-	101.3	103.5	112.6	109.1	-
Miscellaneous repair services .....											
Electrical repair shops .....	76	355.8	355.0	358.7	361.7	366.5	289.8	289.3	292.5	295.1	-
.....	762	108.5	107.8	109.3	111.0	-	-	-	-	-	-
Motion pictures .....											
Motion picture production and services .....	78	488.8	484.2	524.9	520.0	523.9	406.8	402.0	439.5	432.7	-
Motion picture theaters .....	781	205.0	207.3	239.3	236.3	-	171.6	172.8	201.9	197.1	-
Video tape rental .....	783	117.6	113.3	113.9	114.3	-	-	-	-	-	-
.....	784	145.2	142.6	150.8	148.3	-	118.5	116.6	123.4	120.6	-
Amusement and recreation services .....											
Bowling centers .....	79	1,435.9	1,404.9	1,395.7	1,496.7	1,586.2	1,258.9	1,226.6	1,212.2	1,306.0	-
Misc. amusement and recreation services .....	793	84.2	89.2	90.5	88.5	-	74.9	79.7	81.6	79.6	-
Physical fitness facilities .....	799	1,062.6	1,028.4	1,013.3	1,090.7	-	932.0	897.0	879.5	951.7	-
Membership sports and recreation clubs .....	7991	150.8	148.3	165.6	167.0	-	134.3	132.2	148.5	149.4	-
.....	7997	316.2	291.2	278.8	319.4	-	276.2	252.7	237.8	277.3	-
Health services .....											
Offices and clinics of medical doctors .....	80	9,256.6	9,168.5	9,484.8	9,501.7	9,538.1	8,200.0	8,121.4	8,406.3	8,417.3	-
Offices and clinics of dentists .....	801	1,605.6	1,588.7	1,646.4	1,654.7	1,664.5	1,310.9	1,296.4	1,346.5	1,352.8	-
Offices and clinics of other health practitioners .....	802	597.0	587.8	618.9	619.9	-	521.3	512.3	542.9	544.1	-
Offices and clinics of chiropractors and optometrists .....	804	407.4	398.0	441.8	443.6	-	336.9	329.3	366.2	366.3	-
Nursing and personal care facilities .....	8041,2	159.9	157.0	171.0	172.7	-	-	-	-	-	-
Skilled nursing care facilities .....	805	1,693.0	1,676.7	1,723.9	1,726.3	1,732.8	1,526.8	1,512.1	1,552.6	1,554.4	-
Intermediate care facilities .....	8051	1,251.7	1,239.7	1,273.9	1,275.6	-	-	-	-	-	-
Nursing and personal care, nec .....	8052	212.8	210.9	218.2	218.5	-	191.4	189.5	196.6	196.9	-
Hospitals .....	8059	228.5	226.1	231.8	232.2	-	-	-	-	-	-
General medical and surgical hospitals .....	806	3,783.8	3,766.6	3,837.5	3,837.3	3,847.3	3,460.5	3,444.4	3,512.3	3,511.8	-
Psychiatric hospitals .....	8062	3,484.3	3,466.0	3,536.8	3,536.4	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric .....	8063	91.2	92.2	89.9	89.7	-	-	-	-	-	-
Medical and dental laboratories .....	8069	208.3	208.4	210.8	211.2	-	-	-	-	-	-
Home health care services .....	807	193.1	190.2	203.6	204.6	-	-	-	-	-	-
.....	808	626.1	611.6	652.1	654.5	658.4	579.4	566.5	603.8	605.5	-
Legal services .....	81	922.5	917.9	924.1	921.9	922.6	736.7	733.2	738.3	736.0	-
Educational services .....											
Elementary and secondary schools .....	82	1,959.2	2,072.6	2,116.0	2,119.4	2,050.1	-	-	-	-	-
Colleges and universities .....	821	566.7	574.8	588.6	584.4	-	-	-	-	-	-
Vocational schools .....	822	1,159.8	1,267.3	1,281.0	1,287.2	-	-	-	-	-	-
.....	824	78.2	78.5	84.7	85.7	-	-	-	-	-	-
Social services .....											
Individual and family services .....	83	2,332.6	2,336.2	2,390.0	2,396.4	2,411.0	2,021.3	2,024.2	2,072.2	2,076.9	-
Job training and related services .....	832	626.9	624.0	638.6	640.3	-	543.7	542.0	554.1	555.5	-
Child day care services .....	833	301.1	298.9	304.5	306.0	-	256.1	254.0	260.8	261.8	-
Residential care .....	835	563.5	578.3	583.6	583.9	589.0	497.0	510.8	516.2	516.0	-
Social services, nec .....	836	640.1	634.4	654.8	658.5	660.8	556.2	551.5	567.4	571.3	-
.....	839	201.0	200.6	208.5	207.7	-	168.3	165.9	173.7	172.3	-
Museums and botanical and zoological gardens .....	84	80.4	78.0	77.9	82.1	86.8	-	-	-	-	-
Membership organizations .....											
Business associations .....	86	2,131.8	2,118.6	2,122.1	2,124.8	2,140.9	-	-	-	-	-
Professional organizations .....	861	106.7	106.1	106.6	105.1	-	-	-	-	-	-
Labor organizations .....	862	56.4	56.2	57.8	57.6	-	40.2	39.8	41.3	41.2	-
Civic and social associations .....	863	139.8	141.8	136.9	135.1	-	-	-	-	-	-
.....	864	426.8	415.6	417.7	422.2	-	-	-	-	-	-
Engineering and management services .....											
Engineering and architectural services .....	87	2,747.4	2,726.2	2,878.0	2,878.4	2,878.8	2,109.8	2,096.2	2,211.1	2,210.4	-
Engineering services .....	871	814.1	802.5	819.9	827.8	839.7	671.5	661.1	674.0	680.7	-
Architectural services .....	8711	632.9	623.7	637.4	642.7	-	527.6	519.6	529.2	533.8	-
Surveying services .....	8712	129.0	127.8	129.9	131.3	-	100.6	99.5	101.4	102.4	-
Accounting, auditing, and bookkeeping .....	8713	52.2	51.0	52.6	53.8	-	43.3	42.0	43.4	44.5	-
.....	872	549.7	567.7	592.8	590.5	-	398.3	416.5	430.8	428.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Services—Continued</b>											
Engineering and management services—Continued											
Research and testing services .....	873	566.6	562.2	574.2	566.9	-	436.8	432.5	443.5	436.6	-
Commercial physical research .....	8731	222.4	223.1	222.6	219.4	-	162.6	164.1	160.4	157.1	-
Commercial nonphysical research .....	8732	117.8	114.9	122.6	118.4	-	95.4	92.1	101.0	97.2	-
Noncommercial research organizations .....	8733	135.2	135.2	133.9	134.0	-	105.1	104.8	103.8	104.1	-
Management and public relations .....	874	817.0	793.8	891.1	893.2	901.0	603.2	586.1	662.8	665.0	-
Management services .....	8741	287.3	280.5	315.2	316.8	-	203.8	198.9	228.1	229.9	-
Management consulting services .....	8742	279.2	266.9	306.7	306.0	-	209.8	200.7	230.1	228.7	-
Public relations services .....	8743	34.2	33.4	36.4	35.7	-	22.6	22.5	23.7	23.2	-
Services, nec .....	89	44.1	43.4	44.7	45.4	45.6	35.0	34.5	35.5	36.1	-
<b>Government</b> .....		19,310	19,667	19,809	19,789	19,846	-	-	-	-	-
Federal Government <sup>4</sup> .....		2,822	2,820	2,770	2,767	2,771	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,759.8	2,758.4	2,708.9	-	-	-	-	-	-	-
Department of Defense .....		778.9	783.3	748.2	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		843.4	835.0	854.4	-	-	-	-	-	-	-
Other executive agencies .....		1,137.4	1,140.1	1,106.3	-	-	-	-	-	-	-
Legislative .....		33.8	34.0	32.3	-	-	-	-	-	-	-
Judicial .....		28.2	27.9	28.4	-	-	-	-	-	-	-
Federal Government, except Postal Service .....		1,978.3	1,985.3	1,915.2	1,914.0	1,920.5	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities .....		65.9	68.9	58.5	58.0	-	-	-	-	-	-
Ship building and repairing .....	3731	33.5	36.0	27.9	27.5	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		20.6	20.6	19.9	19.8	-	-	-	-	-	-
Services .....		379.1	375.3	370.4	371.4	-	-	-	-	-	-
Hospitals .....	806	232.0	230.0	230.0	229.2	-	-	-	-	-	-
State government .....		4,642	4,775	4,773	4,774	4,710	-	-	-	-	-
Hospitals .....	806	397.1	399.9	389.7	386.8	-	-	-	-	-	-
Education .....	82	1,931.0	2,062.8	2,098.8	2,098.1	2,024.2	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,814.1	1,812.2	1,799.6	1,802.7	-	-	-	-	-	-
State government, except education .....		2,710.8	2,712.2	2,674.4	2,676.3	2,685.8	-	-	-	-	-
Local government .....		11,847	12,072	12,266	12,248	12,365	-	-	-	-	-
Transportation and public utilities .....		456.8	454.7	449.7	449.5	-	-	-	-	-	-
Hospitals .....	806	678.6	674.3	686.1	687.1	-	-	-	-	-	-
Education .....	82	6,603.0	6,922.9	7,058.6	7,035.7	7,081.9	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		3,670.1	3,597.0	3,636.8	3,634.0	-	-	-	-	-	-
Local government, except education .....		5,243.9	5,148.8	5,207.8	5,212.2	5,282.8	-	-	-	-	-

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

<sup>2</sup> Data relate to line-haul railroads with operating revenues of \$253.7 million or more in 1993 and to Amtrak.

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

<sup>4</sup> Prepared by the Office of Personnel Management. Data relate to

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

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

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks and differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Avg. 1995	Mar. 1995	Jan. 1996	Feb. 1996	Mar. 1996
<b>Total</b> .....	56,637	56,222	56,521	57,032	57,330
<b>Total private</b> .....	46,047	45,395	45,851	46,118	46,340
<b>Goods-producing</b> .....	6,647	6,632	6,510	6,525	6,518
<b>Mining</b> .....	81	81	78	78	78
<b>Construction</b> .....	573	553	577	578	585
<b>Manufacturing</b> .....	5,992	5,998	5,855	5,869	5,855
<b>Durable goods</b> .....	2,808	2,804	2,802	2,803	2,797
Lumber and wood products .....	128	126	126	125	127
Furniture and fixtures .....	158	160	157	156	156
Stone, clay, and glass products .....	103	102	101	100	100
Primary metal industries .....	100	100	100	100	100
Fabricated metal products .....	316	317	317	316	316
Industrial machinery and equipment .....	444	442	452	452	452
Electronic and other electrical equipment .....	679	675	686	687	684
Transportation equipment .....	361	364	354	356	349
Instruments and related products .....	344	344	341	342	342
Miscellaneous manufacturing .....	174	174	169	170	172
<b>Nondurable goods</b> .....	3,185	3,194	3,053	3,066	3,058
Food and kindred products .....	553	530	525	526	526
Tobacco products .....	13	12	13	13	12
Textile mill products .....	313	318	296	300	299
Apparel and other textile products .....	703	725	644	651	644
Paper and allied products .....	166	165	163	162	161
Printing and publishing .....	692	693	686	687	687
Chemicals and allied products .....	329	329	323	323	324
Petroleum and coal products .....	25	24	24	23	23
Rubber and misc. plastics products .....	333	337	326	327	327
Leather and leather products .....	59	60	54	55	54
<b>Service-producing</b> .....	49,990	49,590	50,011	50,507	50,812
<b>Transportation and public utilities</b> .....	1,826	1,805	1,864	1,879	1,888
<b>Wholesale trade</b> .....	1,971	1,938	1,995	2,000	2,007
<b>Retail trade</b> .....	11,162	10,825	11,015	10,929	10,948
<b>Finance, insurance, and real estate</b> .....	4,309	4,283	4,324	4,338	4,357
<b>Services</b> .....	20,132	19,912	20,143	20,447	20,622
<b>Government</b> .....	10,591	10,827	10,670	10,914	10,990
Federal .....	1,201	1,182	1,160	1,164	1,164
State .....	2,339	2,403	2,308	2,403	2,417
Local .....	7,051	7,242	7,202	7,347	7,409

NOTE: Data in this table have been revised to reflect March 1995 benchmarks and differ from data previously published. See the article in this issue for additional information.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Alabama</b> .....	1,799.6	1,812.2	1,819.1	10.9	11.0	11.0	86.4	86.8	87.9
Birmingham .....	440.0	445.5	446.2	3.3	3.4	3.4	22.8	23.6	23.7
Huntsville .....	165.5	165.8	166.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.8	5.1	5.2
Mobile .....	207.7	216.1	216.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.0	15.7	15.7
Montgomery .....	149.9	152.4	152.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.7	8.1	8.2
Tuscaloosa .....	72.9	74.3	74.4	2.5	2.6	2.6	4.6	4.3	4.5
<b>Alaska</b> .....	253.7	251.7	255.1	9.5	9.9	9.9	10.6	9.8	10.9
Anchorage .....	118.1	117.5	118.2	2.7	2.8	2.9	5.2	4.9	5.1
<b>Arizona</b> .....	1,785.2	1,853.2	1,855.3	12.2	12.4	12.6	115.6	121.1	121.7
Phoenix-Mesa .....	1,216.1	1,271.0	1,271.2	5.2	5.2	5.2	80.5	86.5	86.8
Tucson .....	305.7	311.0	311.3	2.1	2.3	2.3	19.5	19.7	19.8
<b>Arkansas</b> .....	1,063.9	1,077.6	1,081.8	3.4	3.4	3.3	42.9	44.6	45.5
Fayetteville-Springdale-Rogers .....	130.1	131.8	132.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.6	5.6
Fort Smith .....	92.3	91.6	92.1	.8	.8	.8	3.3	3.5	3.5
Little Rock-North Little Rock .....	288.4	294.3	294.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.1	13.2	13.7
Pine Bluff .....	34.8	35.4	35.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	.7	.6	.7
<b>California</b> .....	12,337.2	12,602.9	12,631.6	29.8	28.6	28.6	470.5	479.1	492.3
Bakersfield .....	172.5	173.7	174.5	10.7	10.6	10.5	8.6	8.4	8.6
Fresno .....	262.1	261.6	262.4	.6	.6	.6	12.6	12.3	12.7
Los Angeles-Long Beach .....	3,748.8	3,824.2	3,827.6	5.9	5.7	5.7	108.9	117.7	118.8
Modesto .....	121.1	123.8	123.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.0	5.9	6.2
Oakland .....	891.9	900.2	904.5	2.3	2.3	2.4	41.4	41.0	42.8
Orange County .....	1,144.7	1,165.2	1,167.8	.9	1.0	1.0	48.5	48.5	49.3
Riverside-San Bernardino .....	777.4	792.0	792.8	1.2	1.1	1.1	41.4	42.7	43.5
Sacramento .....	581.6	600.6	600.5	.2	.3	.3	26.2	26.2	27.1
Salinas .....	106.8	108.4	108.8	.1	.1	.1	3.9	3.8	4.1
San Diego .....	969.4	983.3	985.5	.3	.3	.3	42.2	41.4	41.9
San Francisco .....	903.8	916.9	917.7	.6	.6	.6	26.3	27.7	27.9
San Jose .....	816.5	853.3	857.7	.1	.1	.1	25.9	28.0	28.9
Santa Barbara-Santa Maria-Lompoc .....	144.8	145.5	146.2	1.3	1.2	1.2	5.1	5.1	5.1
Santa Rosa .....	148.0	153.0	153.8	.5	.4	.4	6.9	7.6	8.0
Stockton-Lodi .....	157.2	158.9	160.7	.1	.1	.1	6.4	6.0	6.6
Vallejo-Fairfield-Napa .....	141.1	142.4	142.6	.4	.4	.4	7.8	8.3	8.6
Ventura .....	237.5	240.9	240.9	2.0	1.7	1.7	10.9	10.3	11.0
<b>Colorado</b> .....	1,813.7	1,889.3	1,891.1	14.7	14.0	13.9	97.0	107.0	108.7
Boulder-Longmont .....	145.1	149.7	149.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.7	5.7
Colorado Springs .....	191.5	204.2	205.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	12.3	12.9
Denver .....	968.2	999.0	1,000.4	7.5	7.2	7.2	51.3	55.4	56.0
<b>Connecticut</b> .....	1,558.9	1,561.7	1,570.7	.7	.7	.8	49.4	48.5	51.8
Bridgeport .....	178.0	178.7	179.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.2	5.4	5.8
Danbury .....	83.2	82.1	82.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.8	2.8
Hartford .....	584.5	588.5	589.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.8	18.6	20.1
New Haven-Meriden .....	238.8	239.3	240.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.7	7.4	8.2
New London-Norwich .....	130.4	131.3	132.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.5	4.7
Stamford-Norwalk .....	188.2	192.2	193.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.7	5.0
Waterbury .....	82.0	83.3	83.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.8	2.4	2.7
<b>Delaware</b> .....	362.4	366.8	375.7	.1	.1	.1	19.0	18.5	20.0
Dover .....	50.1	51.4	52.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.3	2.1	2.4
Wilmington-Newark .....	280.7	281.6	289.0	.2	.2	.2	14.2	13.0	14.2
<b>District of Columbia</b> .....	644.6	631.7	633.0	.1	.1	.1	8.8	8.8	9.1
Washington PMSA .....	2,397.4	2,407.8	2,411.0	.8	.9	.9	112.9	108.7	111.5
<b>Florida</b> .....	5,981.6	6,204.5	6,172.5	6.8	7.1	7.2	300.8	310.2	310.7
Daytona Beach .....	145.8	150.1	148.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.5	6.7	6.7
Fort Lauderdale .....	580.4	610.4	606.8	.2	.2	.2	32.1	33.4	33.3
Fort Myers-Cape Coral .....	146.6	153.6	152.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	11.2	11.1	11.5
Gainesville .....	108.0	111.0	110.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.0	3.7	3.7
Jacksonville .....	478.9	491.6	490.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	24.8	25.9	25.7
Lakeland-Winter Haven .....	162.7	166.7	166.0	3.5	3.8	3.8	7.9	8.1	8.0
Melbourne-Titusville-Palm Bay .....	169.0	169.2	168.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8.3	8.6	8.7
Miami .....	923.8	957.1	949.5	.3	.3	.3	36.3	37.5	37.8
Orlando .....	706.6	727.0	729.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	36.2	37.5	37.9
Pensacola .....	143.9	148.6	148.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.3	9.5	9.7
Sarasota-Bradenton .....	208.0	219.3	217.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.5	10.9	10.8
Tallahassee .....	144.1	149.9	149.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.2	5.3	5.2
Tampa-St. Petersburg-Clearwater .....	993.4	1,028.1	1,024.4	.4	.4	.4	44.4	45.9	45.4
West Palm Beach-Boca Raton .....	396.0	411.8	407.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	22.4	23.0	23.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>
<b>Alabama</b> .....	392.7	379.8	378.7	89.1	88.2	88.6	405.2	416.3	419.8
Birmingham .....	54.1	52.4	52.3	30.3	29.3	29.3	107.0	109.1	109.6
Huntsville .....	37.7	38.4	38.3	3.5	3.5	3.5	32.0	33.0	33.5
Mobile .....	27.0	26.5	26.4	12.8	13.1	13.1	54.9	57.7	58.2
Montgomery .....	18.2	17.7	17.3	6.4	6.4	6.5	35.0	35.2	35.6
Tuscaloosa .....	10.7	10.6	10.4	2.4	2.3	2.3	16.5	16.8	17.0
<b>Alaska</b> .....	15.3	15.6	14.9	22.3	21.2	21.6	51.6	51.1	52.4
Anchorage .....	2.1	2.0	2.0	11.8	11.6	11.3	28.8	28.3	28.9
<b>Arizona</b> .....	191.2	196.5	196.9	85.9	87.6	87.8	448.6	459.7	462.0
Phoenix-Mesa .....	147.0	152.9	153.5	60.3	61.0	61.4	307.3	317.8	319.2
Tucson .....	27.6	27.5	27.6	13.3	13.6	13.5	69.4	70.4	70.8
<b>Arkansas</b> .....	258.9	255.5	254.4	62.8	64.6	65.0	240.2	245.0	247.2
Fayetteville-Springdale-Rogers .....	34.7	33.9	33.7	9.2	9.2	9.3	34.9	35.1	36.0
Fort Smith .....	28.2	26.9	27.3	6.0	6.2	6.1	19.2	19.1	19.1
Little Rock-North Little Rock .....	35.5	34.6	34.6	19.7	20.6	20.7	66.5	68.9	69.0
Pine Bluff .....	7.5	7.8	7.8	1.9	1.9	1.9	7.5	7.5	7.6
<b>California</b> .....	1,776.2	1,799.5	1,799.5	622.4	626.5	629.6	2,874.8	2,952.2	2,951.4
Bakersfield .....	9.3	9.4	9.4	8.7	8.8	8.9	40.7	41.7	42.0
Fresno .....	28.5	27.5	27.7	12.9	12.6	12.6	65.1	63.8	63.9
Los Angeles-Long Beach .....	641.2	637.9	637.1	202.0	204.2	205.0	830.6	858.4	857.5
Modesto .....	22.5	24.5	24.2	5.2	5.3	5.3	31.4	31.8	31.9
Oakland .....	108.5	107.5	107.7	58.0	58.6	58.6	202.3	206.0	205.0
Orange County .....	205.0	204.4	204.0	41.8	43.0	43.2	286.7	293.4	293.4
Riverside-San Bernardino .....	93.3	94.7	95.0	40.7	41.0	41.1	202.9	206.9	206.6
Sacramento .....	38.2	41.1	40.9	24.7	25.4	25.4	127.8	131.7	130.9
Salinas .....	8.5	8.7	8.6	4.7	4.4	4.5	28.2	28.2	28.3
San Diego .....	113.5	113.0	112.9	37.1	37.5	37.5	225.6	229.6	230.2
San Francisco .....	71.4	73.8	73.8	72.6	72.6	72.6	195.6	197.8	197.5
San Jose .....	225.4	240.1	240.3	23.5	23.8	24.2	164.1	171.1	171.4
Santa Barbara-Santa Maria-Lompoc .....	16.2	16.7	16.6	5.1	5.1	5.3	34.7	34.8	35.2
Santa Rosa .....	20.9	21.3	21.1	5.4	5.5	5.5	37.7	39.6	39.8
Stockton-Lodi .....	21.2	20.9	21.0	11.1	11.8	12.0	37.8	38.4	38.9
Vallejo-Fairfield-Napa .....	15.2	15.7	15.8	5.4	5.7	5.8	36.3	37.2	37.3
Ventura .....	29.7	30.8	30.4	10.5	10.8	10.7	57.3	58.0	58.0
<b>Colorado</b> .....	188.8	192.7	193.3	117.3	121.0	120.7	445.9	470.6	468.7
Boulder-Longmont .....	29.7	29.4	29.3	3.4	3.0	3.1	31.5	33.1	33.2
Colorado Springs .....	24.0	25.1	25.0	9.6	10.5	10.5	43.1	45.6	45.8
Denver .....	86.2	88.7	89.1	83.3	84.8	84.8	238.9	243.7	242.7
<b>Connecticut</b> .....	280.9	277.8	277.0	71.7	71.1	71.3	336.3	336.8	340.0
Bridgeport .....	42.1	40.9	40.6	7.3	7.2	7.3	39.6	39.4	39.5
Danbury .....	19.4	19.5	19.5	3.0	3.1	3.2	21.4	20.6	20.5
Hartford .....	91.0	89.6	89.6	24.8	25.2	25.1	122.2	121.9	121.2
New Haven-Meriden .....	40.5	40.2	40.1	16.5	16.3	16.3	49.0	49.2	49.8
New London-Norwich .....	28.2	26.3	26.0	6.3	6.0	6.1	26.5	27.4	27.7
Stamford-Norwalk .....	28.0	26.6	26.7	8.6	8.9	8.9	42.4	41.3	41.5
Waterbury .....	18.6	18.6	18.5	3.4	3.5	3.5	16.1	15.7	15.7
<b>Delaware</b> .....	62.1	57.2	62.0	16.0	16.5	16.6	79.6	82.0	83.5
Dover .....	6.4	6.3	6.5	1.7	1.8	1.8	13.0	13.3	13.5
Wilmington-Newark .....	45.9	40.3	45.4	13.7	14.0	14.2	58.1	58.4	59.0
<b>District of Columbia</b> .....	12.8	12.9	12.9	19.7	19.4	19.5	53.0	50.8	52.1
Washington PMSA .....	93.1	92.9	93.0	112.1	115.6	116.2	459.3	458.7	462.8
<b>Florida</b> .....	482.8	481.7	478.9	302.2	308.6	309.1	1,539.4	1,589.4	1,587.3
Daytona Beach .....	13.6	13.8	13.9	3.8	3.9	3.8	42.0	42.4	42.2
Fort Lauderdale .....	40.5	41.1	41.3	28.6	29.3	29.2	163.4	172.5	171.5
Fort Myers-Cape Coral .....	6.0	6.3	6.3	6.4	6.4	6.5	41.1	44.4	43.9
Gainesville .....	5.6	5.5	5.5	2.1	2.3	2.2	23.0	24.2	24.2
Jacksonville .....	35.0	35.6	35.3	34.5	34.1	34.8	116.4	119.1	119.9
Lakeland-Winter Haven .....	21.4	20.8	20.8	8.4	8.6	8.4	44.4	45.9	46.5
Melbourne-Titusville-Palm Bay .....	27.2	26.1	26.0	4.5	4.4	4.4	39.5	39.8	40.0
Miami .....	77.1	75.8	74.9	76.8	79.8	79.5	238.0	244.7	242.7
Orlando .....	51.4	50.8	50.6	38.0	37.5	37.5	175.0	178.2	180.1
Pensacola .....	11.0	11.0	11.0	6.6	6.5	6.6	34.2	34.8	35.1
Sarasota-Bradenton .....	20.1	20.5	20.6	5.1	5.3	5.4	54.2	55.4	54.6
Tallahassee .....	4.9	5.1	5.1	3.5	3.7	3.6	30.2	32.7	32.9
Tampa-St. Petersburg-Clearwater .....	85.9	85.6	85.2	43.3	44.0	44.1	245.6	253.0	253.8
West Palm Beach-Boca Raton .....	28.9	29.4	28.5	14.6	14.6	14.5	104.7	108.7	107.5

See footnotes at end of table.



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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Alabama</b> .....	76.7	77.7	78.1	391.0	405.7	407.6	347.6	346.7	347.4
Birmingham .....	30.5	30.9	30.8	123.1	127.2	127.3	68.9	69.6	69.8
Huntsville .....	4.5	4.5	4.5	42.1	42.7	42.9	39.9	38.8	38.8
Mobile .....	8.9	9.3	9.3	54.5	59.5	58.6	34.6	34.3	34.4
Montgomery .....	8.4	8.5	8.5	37.7	39.9	39.9	36.5	36.6	36.9
Tuscaloosa .....	2.1	2.2	2.2	12.7	13.4	13.4	21.4	22.1	22.0
<b>Alaska</b> .....	11.5	11.3	11.4	58.7	59.2	60.2	74.2	73.6	73.8
Anchorage .....	7.1	7.0	7.0	31.8	32.6	32.7	28.6	28.3	28.3
<b>Arizona</b> .....	106.8	107.9	107.7	520.4	547.0	547.7	304.5	321.0	318.9
Phoenix-Mesa .....	86.7	88.4	88.2	363.2	388.5	387.1	165.9	172.7	169.8
Tucson .....	11.8	12.1	12.0	93.3	94.6	94.5	68.7	70.8	70.8
<b>Arkansas</b> .....	41.5	41.8	42.0	234.3	240.9	242.5	179.9	181.8	181.9
Fayetteville-Springdale-Rogers .....	4.3	4.4	4.5	24.5	25.5	25.7	17.2	18.1	18.0
Fort Smith .....	2.9	2.9	2.9	22.3	22.3	22.5	9.6	9.9	9.9
Little Rock-North Little Rock .....	16.6	16.8	18.7	79.8	82.2	82.3	57.2	58.0	57.8
Pine Bluff .....	1.4	1.3	1.3	7.9	8.3	8.2	7.9	8.0	7.9
<b>California</b> .....	734.3	735.0	734.2	3,694.2	3,848.8	3,862.7	2,135.0	2,133.2	2,133.3
Bakersfield .....	6.1	6.0	6.0	40.2	40.2	40.5	48.2	48.6	48.6
Fresno .....	13.6	13.5	13.2	64.9	65.8	66.2	63.9	65.5	65.5
Los Angeles-Long Beach .....	224.1	224.1	223.8	1,194.0	1,241.7	1,245.2	542.1	534.5	534.5
Modesto .....	4.6	4.4	4.4	28.7	28.8	28.6	22.7	23.3	22.9
Oakland .....	53.8	52.6	52.6	254.3	263.6	265.8	173.3	168.6	169.6
Orange County .....	85.7	84.8	84.8	345.1	357.8	359.9	131.0	132.3	132.2
Riverside-San Bernardino .....	29.3	29.5	29.4	205.1	208.4	208.2	163.5	167.7	167.9
Sacramento .....	39.5	41.3	41.3	157.7	166.4	166.1	167.3	168.2	168.5
Salinas .....	6.3	6.3	6.3	29.9	30.8	31.0	25.2	26.1	25.9
San Diego .....	55.7	55.3	55.2	307.2	317.2	318.8	187.8	189.0	188.7
San Francisco .....	95.6	94.4	94.5	315.1	322.7	323.1	126.6	127.3	127.7
San Jose .....	28.8	28.3	28.3	280.9	274.3	277.0	87.8	87.6	87.5
Santa Barbara-Santa Maria-Lompoc .....	7.2	7.2	7.1	44.8	44.7	45.0	30.4	30.7	30.7
Santa Rosa .....	9.8	9.4	9.4	40.8	42.5	43.0	26.0	26.7	26.4
Stockton-Lodi .....	8.1	8.3	8.2	38.1	39.5	39.9	34.4	33.9	34.0
Vallejo-Fairfield-Napa .....	5.5	5.4	5.4	36.7	37.5	38.2	33.8	32.2	31.1
Ventura .....	11.8	12.2	12.1	71.5	73.0	72.7	43.8	44.1	44.3
<b>Colorado</b> .....	112.1	115.4	115.8	530.2	556.7	558.1	307.7	311.9	311.9
Boulder-Longmont .....	5.3	5.4	5.4	43.4	45.9	45.5	26.3	27.2	26.9
Colorado Springs .....	9.7	9.8	9.8	62.2	67.0	67.5	33.1	33.9	33.9
Denver .....	74.5	77.7	78.3	285.9	299.3	300.4	140.6	142.2	141.9
<b>Connecticut</b> .....	131.1	132.4	132.5	463.8	466.0	470.7	225.0	228.4	226.6
Bridgeport .....	10.0	9.8	9.8	54.3	55.8	56.2	19.5	20.2	20.4
Danbury .....	3.6	3.5	3.5	22.4	22.9	23.0	10.5	9.7	9.7
Hartford .....	72.7	72.5	72.4	158.6	160.7	161.2	96.4	100.0	99.4
New Haven-Meriden .....	13.7	14.1	14.0	80.2	80.8	81.7	31.2	31.3	30.5
New London-Norwich .....	3.4	3.5	3.5	32.3	32.0	32.3	29.6	31.6	32.0
Stamford-Norwalk .....	21.2	22.5	22.6	65.8	70.4	71.4	17.3	17.8	17.8
Waterbury .....	4.1	4.1	4.1	24.3	26.9	27.4	12.7	12.1	12.0
<b>Delaware</b> .....	40.1	42.5	42.7	94.3	98.7	99.6	51.2	51.3	51.2
Dover .....	1.6	1.7	1.6	10.5	11.8	11.6	14.6	14.6	14.9
Wilmington-Newark .....	35.5	38.0	38.0	77.0	81.1	81.6	36.1	36.6	36.4
<b>District of Columbia</b> .....	30.2	29.7	29.6	263.6	266.3	266.5	256.4	243.7	243.2
Washington PMSA .....	133.4	131.8	131.5	869.6	894.5	893.5	616.2	604.7	601.6
<b>Florida</b> .....	374.3	382.1	383.4	2,039.5	2,136.8	2,135.7	935.8	988.8	960.2
Daytona Beach .....	6.7	6.7	6.6	49.0	51.8	51.0	23.2	24.8	23.8
Fort Lauderdale .....	41.4	43.3	43.2	192.8	204.0	203.6	81.4	86.6	84.5
Fort Myers-Cape Coral .....	8.3	8.5	8.4	49.9	52.1	51.8	23.6	24.7	23.8
Gainesville .....	4.5	4.5	4.6	30.1	30.7	30.9	38.7	40.1	39.2
Jacksonville .....	48.0	47.4	47.5	153.3	160.8	161.2	66.5	68.4	66.2
Lakeland-Winter Haven .....	7.7	7.6	7.6	44.3	45.5	45.4	25.1	26.4	25.5
Melbourne-Titusville-Palm Bay .....	5.7	5.6	5.6	58.7	58.8	58.9	25.1	25.9	24.9
Miami .....	65.8	68.0	68.1	293.9	310.6	309.1	135.6	140.4	137.1
Orlando .....	41.3	42.0	42.3	283.5	296.3	298.0	80.8	84.3	82.2
Pensacola .....	5.5	5.4	5.3	48.7	52.0	52.1	28.4	29.2	28.5
Sarasota-Bradenton .....	10.5	10.7	10.8	83.3	88.9	89.7	25.2	27.5	25.8
Tallahassee .....	5.2	5.4	5.4	36.0	37.6	37.9	58.9	59.9	59.0
Tampa-St. Petersburg-Clearwater .....	66.1	69.3	69.1	376.2	390.9	392.3	131.5	139.0	134.1
West Palm Beach-Boca Raton .....	26.3	26.2	26.2	147.7	156.1	155.8	51.4	53.8	51.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Georgia</b> .....	3,370.7	3,497.4	3,512.7	7.8	7.6	7.6	146.0	160.3	160.5
Albany .....	55.3	58.2	58.3	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	3.3	4.2	4.0
Athens .....	68.6	71.9	72.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.8	2.9
Atlanta .....	1,793.5	1,876.6	1,887.7	1.5	1.6	1.6	79.5	87.2	86.9
Augusta-Aiken .....	193.6	189.6	191.0	.5	.6	.6	10.5	10.3	10.4
Columbus .....	107.7	111.8	112.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.9	5.2
Macon .....	140.4	143.2	144.3	1.2	1.2	1.2	5.5	6.3	6.7
Savannah .....	125.0	128.7	130.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	6.9	7.1
<b>Hawaii</b> .....	534.6	532.8	528.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.1	24.5	24.6
Honolulu .....	410.2	408.8	405.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.0	18.8	18.7
<b>Idaho</b> .....	468.5	482.2	490.0	2.6	2.8	2.8	27.6	29.8	32.3
Boise City .....	176.5	184.3	186.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.5	13.0	13.6
<b>Illinois</b> .....	5,559.8	5,631.4	5,667.2	13.9	12.9	13.1	205.5	195.2	206.0
Bloomington-Normal .....	75.7	75.9	76.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.4	2.5
Champaign-Urbana .....	95.6	94.3	96.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.7	2.8
Chicago .....	3,872.3	3,921.3	3,939.6	1.8	1.7	1.8	139.6	132.8	140.8
Davenport-Moline-Rock Island .....	170.2	169.1	171.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.7	7.4	7.6
Decatur .....	54.3	56.2	56.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.6	3.7
Kankakee .....	42.2	42.7	43.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.6	3.0
Peoria-Pekin .....	157.8	165.0	166.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.9	6.4	6.9
Rockford .....	170.8	173.0	173.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.1	5.8	6.1
Springfield .....	110.0	109.9	110.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	3.9	4.3
<b>Indiana</b> .....	2,779.3	2,781.4	2,796.8	6.5	6.4	6.3	127.1	119.7	126.5
Bloomington .....	63.1	63.5	63.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.7	3.0
Elkhart-Goshen .....	117.1	117.8	118.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.5	4.6
Evansville-Henderson .....	147.5	147.9	148.3	1.3	1.2	1.3	8.9	8.2	8.5
Fort Wayne .....	259.3	259.3	261.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.5	12.0	12.6
Gary .....	250.6	254.1	256.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.8	16.0	17.2
Indianapolis .....	790.3	798.7	801.5	.8	.7	.8	40.4	40.8	43.0
Kokomo .....	52.2	54.3	55.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.3	1.5
Lafayette .....	81.7	88.7	89.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.2	3.5
Muncie .....	62.0	60.8	61.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.2	2.3
South Bend .....	130.5	128.3	128.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	6.1	6.5
Terre Haute .....	69.7	71.0	70.8	.2	.2	.1	3.3	2.6	2.7
<b>Iowa</b> .....	1,353.9	1,364.4	1,379.0	2.1	2.0	2.1	51.1	48.3	54.3
Cedar Rapids .....	107.5	107.9	108.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.4	5.4	5.7
Des Moines .....	259.5	263.2	265.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.6	9.8	11.2
Dubuque .....	50.3	49.0	49.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.5	1.9
Iowa City .....	64.5	65.5	65.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.5	1.8
Sioux City .....	62.8	63.8	64.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.1	3.4
Waterloo-Cedar Falls .....	68.2	68.6	69.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.5	2.8
<b>Kansas</b> .....	1,197.6	1,222.5	1,228.5	8.0	8.1	8.0	49.9	53.4	56.3
Lawrence .....	43.7	44.5	44.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.8	1.8
Topeka .....	98.2	98.6	99.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.8	4.2
Wichita .....	255.8	262.0	262.7	1.4	1.4	1.4	11.7	12.7	13.1
<b>Kentucky</b> .....	1,637.2	1,647.8	1,662.0	25.5	23.9	24.3	72.6	68.2	72.4
Lexington .....	251.7	260.0	262.5	.2	.2	.2	10.8	11.4	11.8
Louisville .....	522.7	529.3	533.2	.6	.5	.5	25.7	24.8	26.1
Owensboro .....	42.3	42.8	42.8	.4	.3	.3	2.9	3.0	3.0
<b>Louisiana</b> .....	1,757.7	1,795.3	1,795.2	44.5	46.8	47.2	98.6	112.1	110.4
Alexandria .....	53.2	53.6	53.4	.1	.1	.1	3.1	3.5	3.4
Baton Rouge .....	266.1	276.1	275.8	.8	.8	.8	25.8	29.2	28.6
Houma .....	63.8	66.9	67.5	5.0	5.5	5.6	2.8	3.0	3.1
Lafayette .....	146.1	148.6	149.4	11.5	12.0	12.1	7.3	7.7	7.8
Lake Charles .....	77.5	82.8	82.5	1.4	1.5	1.5	8.0	9.7	9.2
Monroe .....	65.2	68.6	66.6	.2	.2	.2	3.2	3.3	3.4
New Orleans .....	595.6	600.0	598.7	13.6	13.7	13.7	25.5	28.6	28.0
Shreveport-Bossier City .....	162.0	162.7	165.0	2.3	2.3	2.4	7.5	8.0	8.0
<b>Maine</b> .....	528.9	526.6	531.3	.1	.1	.1	19.6	18.0	19.5
Lewiston-Auburn .....	40.7	39.9	39.9	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.6	1.3	1.5
Portland .....	129.4	131.5	132.1	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	5.4	5.4	5.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Georgia</b> .....	588.0	586.8	585.6	213.4	219.3	220.5	846.1	887.3	895.0
Albany .....	7.8	8.1	8.2	2.8	3.0	3.0	13.4	13.6	13.6
Athens .....	11.5	11.8	11.8	1.9	1.9	1.9	16.6	16.8	16.8
Atlanta .....	211.8	214.2	213.8	148.4	152.1	153.0	477.8	505.9	509.7
Augusta-Aiken .....	44.5	41.8	41.9	6.0	5.8	5.8	41.7	40.9	41.5
Columbus .....	21.5	22.0	21.9	3.7	3.6	3.6	24.1	24.3	24.6
Macon .....	19.7	20.0	19.9	5.5	5.4	5.4	32.5	32.5	33.0
Savannah .....	16.7	16.6	16.5	9.5	9.5	9.5	32.0	32.5	33.3
<b>Hawaii</b> .....	16.8	16.5	16.4	40.4	40.7	40.1	133.9	134.5	133.7
Honolulu .....	12.9	12.6	12.6	32.9	33.2	32.7	100.0	100.9	100.3
<b>Idaho</b> .....	68.9	71.4	71.9	22.1	23.1	23.2	118.7	121.1	122.7
Boise City .....	31.1	33.6	33.8	8.5	8.6	8.6	42.1	43.0	43.6
<b>Illinois</b> .....	964.0	976.2	976.8	320.4	326.0	327.8	1,298.9	1,318.6	1,328.1
Bloomington-Normal .....	8.6	8.5	8.5	2.8	2.9	2.9	17.0	17.4	17.4
Champaign-Urbana .....	11.6	11.7	11.7	2.6	2.4	2.6	21.2	20.8	21.0
Chicago .....	654.2	660.8	659.7	232.2	236.1	237.4	900.7	918.0	924.3
Davenport-Moline-Rock Island .....	30.0	29.9	30.0	8.7	8.8	8.8	46.6	47.2	47.6
Decatur .....	11.3	13.0	13.0	5.2	5.2	5.2	12.5	12.4	12.5
Kankakee .....	7.5	7.5	7.5	2.0	2.0	2.0	10.6	10.8	10.8
Peoria-Pekin .....	26.0	31.7	31.5	9.2	9.4	9.4	39.8	40.0	40.4
Rockford .....	53.6	54.7	54.8	8.6	8.8	8.8	35.1	35.4	35.5
Springfield .....	4.5	4.4	4.4	5.5	5.9	5.8	23.1	23.0	23.1
<b>Indiana</b> .....	682.0	675.1	675.9	139.8	138.0	139.0	657.7	671.3	677.1
Bloomington .....	9.7	10.5	10.5	1.8	1.8	1.9	14.4	14.6	14.6
Elkhart-Goshen .....	59.8	57.8	57.9	3.5	3.2	3.3	21.8	22.5	22.5
Evansville-Henderson .....	31.8	31.6	31.4	7.2	7.1	7.2	37.0	37.3	37.0
Fort Wayne .....	74.5	71.7	72.7	13.1	12.8	13.0	61.2	61.9	62.0
Gary .....	52.3	51.7	51.7	16.0	15.2	15.5	60.8	61.5	62.5
Indianapolis .....	125.3	125.6	125.9	47.4	47.2	48.4	203.3	207.2	206.1
Kokomo .....	20.9	22.1	22.5	1.2	1.1	1.1	11.5	11.6	12.0
Lafayette .....	21.3	21.6	21.6	2.1	2.1	2.1	17.7	17.2	17.6
Muncie .....	11.2	10.9	11.0	5.6	5.1	4.9	13.7	13.3	14.0
South Bend .....	23.4	22.4	22.6	5.7	5.7	5.7	33.7	33.4	33.1
Terre Haute .....	12.6	12.0	11.9	3.3	4.1	4.2	19.7	20.6	20.4
<b>Iowa</b> .....	250.9	248.3	248.9	60.8	62.2	62.0	337.2	338.2	342.0
Cedar Rapids .....	21.4	21.0	20.9	7.5	7.1	7.1	25.0	24.6	24.7
Des Moines .....	25.8	25.8	26.0	12.6	13.4	13.1	69.7	68.6	69.0
Dubuque .....	13.1	11.3	11.3	2.0	2.0	2.0	11.8	12.2	12.4
Iowa City .....	4.6	5.3	5.2	2.1	2.0	2.0	12.2	12.7	12.6
Sioux City .....	12.8	12.6	12.5	3.9	3.9	3.9	15.7	15.8	15.9
Waterloo-Cedar Falls .....	14.3	14.6	14.6	2.0	1.9	1.9	16.4	16.5	16.6
<b>Kansas</b> .....	191.6	194.8	195.3	67.8	69.0	69.7	290.4	300.7	302.6
Lawrence .....	5.1	5.2	5.2	1.2	1.1	1.1	10.7	10.9	10.9
Topeka .....	10.5	10.5	10.6	6.3	6.1	6.1	21.2	21.6	21.5
Wichita .....	57.5	59.6	59.9	10.1	10.0	10.0	60.7	62.2	62.8
<b>Kentucky</b> .....	311.9	312.6	312.1	89.9	91.7	92.0	389.6	394.0	398.4
Lexington .....	42.6	44.3	44.0	10.0	10.1	10.2	56.6	57.3	57.9
Louisville .....	89.0	89.3	89.2	36.6	37.1	37.3	129.2	129.8	131.1
Owensboro .....	6.8	7.0	6.9	2.1	2.1	2.1	10.4	10.4	10.5
<b>Louisiana</b> .....	186.3	185.8	187.8	107.3	106.2	106.5	410.5	422.4	422.5
Alexandria .....	3.5	3.3	3.3	2.8	2.9	3.0	11.7	11.9	11.9
Baton Rouge .....	23.0	24.1	24.0	12.8	12.8	12.6	60.7	64.3	64.1
Houma .....	5.3	5.5	5.7	6.4	6.8	6.8	16.5	17.2	17.5
Lafayette .....	16.3	15.8	15.9	8.6	8.6	8.7	37.6	38.4	38.6
Lake Charles .....	11.0	11.5	11.4	4.3	4.3	4.4	17.1	16.0	16.1
Monroe .....	8.1	8.3	8.2	3.7	3.8	3.8	16.2	16.8	16.9
New Orleans .....	46.9	46.6	46.6	42.4	41.8	41.5	147.2	147.9	147.8
Shreveport-Bossier City .....	20.2	18.7	20.7	8.0	8.0	8.1	37.5	38.2	38.3
<b>Maine</b> .....	90.5	88.8	87.9	21.6	21.6	21.5	131.3	132.1	135.0
Lewiston-Auburn .....	8.6	7.9	7.8	1.7	1.7	1.7	10.1	10.0	9.8
Portland .....	13.2	13.5	13.1	6.0	6.1	6.2	37.8	39.8	40.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Georgia</b> .....	171.9	175.7	175.5	821.1	870.7	877.8	576.4	589.7	590.2
Albany .....	2.1	2.2	2.2	13.5	14.4	14.5	12.4	12.7	12.8
Athens .....	2.1	2.1	2.1	12.0	13.1	13.2	21.9	23.4	23.3
Atlanta .....	115.6	119.3	118.6	509.2	538.2	544.0	249.7	258.1	260.1
Augusta-Aiken .....	6.7	6.8	6.9	44.1	44.0	44.5	39.6	39.4	39.4
Columbus .....	7.3	7.3	7.3	26.4	29.0	29.2	20.0	20.7	20.6
Macon .....	8.3	8.4	8.5	31.9	33.5	33.6	35.8	35.9	36.0
Savannah .....	4.2	4.4	4.5	35.1	37.3	37.8	21.0	21.5	21.5
<b>Hawaii</b> .....	36.8	37.1	36.8	164.2	165.5	164.6	116.4	114.0	112.7
Honolulu .....	30.2	30.5	30.3	119.9	120.6	119.8	94.3	92.2	90.9
<b>Idaho</b> .....	24.2	23.5	23.7	107.6	113.6	116.1	96.8	96.9	97.3
Boise City .....	11.6	11.5	11.5	42.1	45.4	46.3	28.6	29.2	29.2
<b>Illinois</b> .....	380.6	383.9	383.7	1,560.4	1,593.2	1,606.8	816.1	825.4	824.9
Bloomington-Normal .....	13.5	13.6	13.6	17.1	17.2	17.2	14.3	13.9	13.9
Champaign-Urbana .....	3.1	3.0	3.1	19.6	19.4	19.7	34.7	34.3	35.2
Chicago .....	299.0	301.9	302.4	1,155.5	1,180.2	1,184.8	489.3	489.8	488.4
Davenport-Moline-Rock Island .....	7.8	7.8	7.8	42.9	41.8	43.0	26.5	26.2	26.3
Decatur .....	2.5	2.9	2.9	13.1	13.1	13.2	6.0	6.0	6.0
Kankakee .....	1.6	1.7	1.7	10.7	11.1	11.2	7.2	7.0	6.9
Peoria-Pekin .....	7.8	7.8	7.8	49.6	51.0	51.0	18.5	18.7	19.1
Rockford .....	6.8	7.0	7.0	43.6	44.4	44.6	17.0	16.9	17.0
Springfield .....	7.9	7.8	7.8	30.7	31.0	31.1	34.0	33.9	34.0
<b>Indiana</b> .....	129.9	132.8	133.4	631.7	638.0	639.5	404.6	400.1	399.1
Bloomington .....	2.3	2.3	2.3	11.8	11.7	11.7	20.4	19.9	19.9
Elkhart-Goshen .....	2.7	2.8	2.8	18.2	19.6	19.7	6.9	7.4	7.3
Evansville-Henderson .....	6.8	7.0	7.0	39.9	40.9	41.2	14.6	14.6	14.7
Fort Wayne .....	13.4	14.0	14.0	59.4	60.3	60.2	26.2	26.6	26.5
Gary .....	8.9	9.3	9.3	61.4	63.4	63.4	35.4	37.0	36.9
Indianapolis .....	56.4	57.8	57.8	203.2	206.3	207.1	113.5	113.1	112.4
Kokomo .....	1.5	1.4	1.4	8.9	9.3	9.4	6.8	7.5	7.5
Lafayette .....	3.7	3.6	3.6	16.2	16.8	16.6	17.1	24.2	24.7
Muncie .....	1.8	1.7	1.7	14.1	14.5	14.8	13.1	13.1	13.2
South Bend .....	6.3	6.1	6.1	41.9	41.3	41.2	13.0	13.3	13.3
Terre Haute .....	2.3	2.3	2.3	16.4	16.9	16.9	11.9	12.3	12.3
<b>Iowa</b> .....	76.1	77.4	77.7	340.4	352.9	356.3	235.3	235.1	235.7
Cedar Rapids .....	5.6	5.6	5.6	31.3	32.0	32.3	11.3	12.2	12.2
Des Moines .....	35.7	36.9	37.1	70.8	74.6	74.6	34.3	34.1	34.0
Dubuque .....	1.6	1.6	1.6	16.3	16.7	16.5	3.7	3.7	3.7
Iowa City .....	1.7	1.7	1.7	13.5	14.1	14.2	28.3	28.2	28.1
Sioux City .....	2.6	2.7	2.7	17.9	18.6	18.4	7.1	7.1	7.2
Waterloo-Cedar Falls .....	2.9	3.0	3.0	17.2	16.8	16.8	13.0	13.3	13.3
<b>Kansas</b> .....	57.0	58.4	58.5	288.8	293.5	293.7	244.1	244.6	244.4
Lawrence .....	1.8	1.9	1.9	9.3	10.0	10.1	13.8	13.6	13.5
Topeka .....	6.3	6.4	6.5	25.4	26.0	26.0	24.6	24.2	24.2
Wichita .....	11.1	11.2	11.1	69.7	71.3	70.8	33.6	33.6	33.6
<b>Kentucky</b> .....	63.8	65.2	65.4	389.9	399.8	403.4	294.0	292.4	294.0
Lexington .....	9.4	9.6	9.5	65.0	68.1	69.3	57.1	59.0	59.6
Louisville .....	27.8	27.9	28.1	145.0	151.4	152.4	68.8	68.5	68.5
Owensboro .....	1.8	1.8	1.8	11.4	11.7	11.7	6.5	6.5	6.5
<b>Louisiana</b> .....	80.0	80.6	80.6	469.2	479.7	479.2	361.3	361.7	361.0
Alexandria .....	2.2	2.2	2.2	16.0	15.8	15.9	13.8	13.9	13.6
Baton Rouge .....	15.3	15.6	15.5	68.5	70.2	70.2	59.2	59.1	60.0
Houma .....	2.2	2.1	2.1	13.0	13.7	13.6	12.6	13.1	13.1
Lafayette .....	5.6	5.7	5.7	36.2	36.8	37.2	23.0	23.4	23.4
Lake Charles .....	2.6	2.7	2.7	20.2	22.1	22.2	12.9	13.0	13.0
Monroe .....	4.5	4.4	4.6	16.3	16.6	16.5	13.0	13.2	13.0
New Orleans .....	30.1	30.4	30.4	186.6	188.4	188.1	103.3	102.6	102.6
Shreveport-Bossier City .....	6.4	6.5	6.4	47.7	48.7	48.8	32.4	32.3	32.3
<b>Maine</b> .....	26.0	25.7	25.7	142.9	144.7	146.6	96.9	95.6	95.0
Lewiston-Auburn .....	1.8	1.9	1.9	12.1	12.3	12.4	4.8	4.8	4.8
Portland .....	11.8	11.9	11.9	37.6	37.1	37.3	17.6	17.7	17.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Maryland</b> .....	2,174.3	2,171.7	2,192.2	1.2	1.1	1.2	125.7	122.0	127.1
Baltimore PMSA .....	1,131.5	1,125.0	1,134.8	.2	.2	.2	59.3	58.0	60.0
Baltimore City .....	409.0	404.5	407.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.5	11.1	11.5
Suburban Maryland-D.C. ....	798.9	801.8	806.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	53.5	52.1	54.1
<b>Massachusetts</b> .....	2,954.3	2,979.8	3,002.6	1.3	1.3	1.4	85.5	81.0	88.4
Barnstable-Yarmouth .....	50.5	49.8	52.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.3	2.4
Boston .....	1,798.6	1,814.0	1,822.6	.5	.5	.5	47.9	46.2	49.2
Brockton .....	90.2	90.6	91.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.9	2.6	2.9
Fitchburg-Leominster .....	50.5	51.0	51.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	1.3	1.3	1.4
Lawrence .....	141.0	143.6	146.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.0	4.7	5.3
Lowell .....	105.0	106.1	107.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	3.8	4.3
New Bedford .....	61.4	62.5	63.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.0	1.8	2.3
Pittsfield .....	40.2	40.6	41.0	.1	.1	.1	1.3	1.2	1.3
Springfield .....	242.5	242.6	245.9	.1	.1	.1	6.7	6.1	7.0
Worcester .....	211.9	215.3	216.5	.2	.2	.2	5.9	6.0	6.8
<b>Michigan</b> .....	4,236.8	4,248.4	4,284.6	8.4	7.3	7.7	142.3	141.1	152.3
Ann Arbor .....	255.9	256.7	255.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	7.3	7.5
Benton Harbor .....	70.7	69.9	70.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	2.1
Detroit .....	1,988.5	2,024.9	2,041.8	.8	.8	.7	62.5	62.7	67.2
Flint .....	179.1	178.1	179.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	5.2	5.6
Grand Rapids-Muskegon-Holland .....	514.1	515.5	522.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.4	20.5	22.5
Jackson .....	58.0	58.5	58.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	2.0
Kalamazoo-Battle Creek .....	204.4	203.9	204.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.6	7.0
Lansing-East Lansing .....	225.8	220.3	227.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.3	6.2	6.5
Saginaw-Bay City-Midland .....	170.7	172.2	172.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.5	7.5	7.8
<b>Minnesota</b> .....	2,348.0	2,377.4	2,402.4	7.6	7.3	7.6	73.5	68.9	75.6
Duluth-Superior .....	104.1	105.6	106.1	5.0	5.0	5.0	3.1	3.0	3.2
Minneapolis-St. Paul .....	1,528.4	1,546.6	1,557.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	48.4	49.1	53.3
Rochester .....	67.3	67.9	68.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.8	2.1
St. Cloud .....	82.3	82.7	83.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	3.0	3.3
<b>Mississippi</b> .....	1,072.5	1,074.5	1,080.6	4.8	4.6	4.7	44.9	47.7	49.2
Jackson .....	208.5	211.9	212.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.7	10.1	10.2
<b>Missouri</b> .....	2,522.2	2,545.2	2,564.6	4.9	4.9	5.0	112.0	108.2	112.1
Kansas City .....	857.2	878.5	883.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	39.6	41.2	42.5
St. Louis .....	1,245.9	1,249.8	1,262.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	60.2	58.3	60.8
Springfield .....	150.5	153.6	153.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.5	6.6
<b>Montana</b> .....	344.5	349.2	351.0	5.2	5.0	5.1	14.9	13.6	14.5
<b>Nebraska</b> .....	810.4	817.3	821.7	1.3	1.2	1.2	32.7	31.8	33.1
Lincoln .....	136.3	137.6	138.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.4	5.4	5.6
Omaha .....	369.6	376.2	377.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.7	15.3	16.2
<b>Nevada</b> .....	773.7	828.5	836.6	12.8	13.4	13.7	58.1	68.8	70.5
Las Vegas .....	538.0	581.3	587.3	1.9	2.0	2.0	45.0	55.4	56.4
Reno .....	162.8	170.5	171.7	.6	.6	.6	9.5	9.7	10.2
<b>New Hampshire</b> .....	531.3	539.5	542.2	.5	.4	.5	18.1	17.7	18.8
Manchester .....	90.7	92.0	91.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.8	3.9
Nashua .....	83.6	85.0	85.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.8	3.1
Portsmouth-Rochester .....	107.9	108.0	109.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	2.8	3.0
<b>New Jersey</b> .....	3,580.0	3,586.1	3,614.3	2.0	1.8	2.0	120.8	113.0	121.4
Atlantic-Cape May .....	168.5	164.3	170.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.1	5.8	6.6
Bergen-Passaic .....	615.8	614.0	619.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.1	19.5	21.1
Camden .....	448.9	449.9	453.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.1	18.3	19.1
Jersey City .....	236.4	237.3	237.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.5	3.6
Middlesex-Somerset-Hunterdon .....	565.3	572.8	575.1	.5	.4	.5	18.1	17.0	18.6
Monmouth-Ocean .....	341.5	344.1	350.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.2	15.8	17.2
Newark .....	924.3	926.1	927.5	.7	.6	.8	29.7	27.0	27.8
Trenton .....	198.3	195.3	195.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	3.9	4.1
Vineland-Millville-Bridgeton .....	57.7	57.9	58.7	.3	.2	.2	1.8	1.6	1.8
<b>New Mexico</b> .....	683.1	707.5	711.8	16.0	15.6	15.8	44.0	47.9	49.4
Albuquerque .....	321.0	332.9	333.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.9	24.5	24.7
Las Cruces .....	49.4	51.6	51.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.8	3.9
Santa Fe .....	70.5	70.7	71.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.7	3.7
<b>New York</b> .....	7,832.6	7,850.1	7,895.5	4.7	3.9	4.3	241.9	222.3	240.3
Albany-Schenectady-Troy .....	432.8	424.4	428.0	.4	.4	.5	14.1	11.5	13.1
Binghamton .....	111.0	109.7	109.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.3	3.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Maryland</b> .....	175.4	172.8	173.4	105.7	105.5	105.9	521.8	521.3	529.1
Baltimore PMSA .....	103.2	100.4	100.6	56.6	56.0	56.0	263.3	261.4	264.5
Baltimore City .....	32.8	31.4	31.3	19.8	19.4	19.5	67.0	66.0	67.0
Suburban Maryland-D.C. ....	35.0	36.0	36.1	35.3	34.6	34.9	193.3	192.3	193.8
<b>Massachusetts</b> .....	443.6	442.8	443.4	128.1	127.8	126.9	673.5	678.1	684.9
Barnstable-Yarmouth .....	2.2	2.2	2.3	2.5	2.6	2.6	16.7	16.5	17.7
Boston .....	222.6	219.9	220.6	79.8	80.0	79.7	392.8	393.6	395.2
Brockton .....	10.7	10.4	10.3	4.9	4.7	4.7	30.3	30.7	30.6
Fitchburg-Leominster .....	13.6	13.5	13.5	1.9	1.9	1.9	12.1	12.2	12.3
Lawrence .....	35.1	35.3	35.5	4.5	4.5	4.6	33.6	34.2	34.8
Lowell .....	27.0	27.7	27.7	5.6	5.6	5.5	22.3	22.6	22.7
New Bedford .....	14.1	14.3	14.1	2.4	2.3	2.3	15.2	15.4	15.8
Pittsfield .....	7.7	7.6	7.6	1.2	1.1	1.1	9.9	10.3	10.6
Springfield .....	39.8	39.5	39.5	9.5	9.6	9.6	55.4	55.9	57.1
Worcester .....	40.4	40.4	40.5	9.3	9.2	9.1	47.9	48.0	48.1
<b>Michigan</b> .....	984.4	944.1	959.4	164.8	167.9	167.4	977.8	996.0	1,002.8
Ann Arbor .....	54.0	53.1	52.4	5.3	5.4	5.4	49.5	49.5	49.5
Benton Harbor .....	21.4	21.0	21.1	3.0	2.9	2.9	15.3	15.2	15.5
Detroit .....	453.4	438.5	445.5	90.7	91.2	91.3	460.9	481.5	482.2
Flint .....	48.9	45.3	45.9	5.3	5.2	5.3	42.8	43.4	43.6
Grand Rapids-Muskegon-Holland .....	150.7	150.3	150.8	17.9	18.5	18.5	124.2	126.3	128.4
Jackson .....	13.3	13.1	13.0	3.6	3.6	3.6	14.4	14.4	14.7
Kalamazoo-Battle Creek .....	50.2	49.2	49.2	6.6	6.6	6.7	43.9	43.8	44.4
Lansing-East Lansing .....	30.7	24.6	30.8	5.9	6.0	6.0	49.2	49.1	49.2
Saginaw-Bay City-Midland .....	40.5	39.9	39.1	7.0	7.2	7.2	43.5	44.3	45.0
<b>Minnesota</b> .....	421.4	423.3	426.2	116.4	118.3	119.0	566.3	574.3	581.8
Duluth-Superior .....	8.1	8.2	8.1	6.4	5.6	5.8	27.3	27.6	27.9
Minneapolis-St. Paul .....	272.4	274.6	274.6	83.9	84.5	84.4	362.9	364.3	366.7
Rochester .....	10.0	9.6	9.8	2.0	2.0	2.1	14.0	14.7	14.7
St. Cloud .....	15.2	15.4	15.4	2.8	2.8	2.8	25.1	25.4	25.6
<b>Mississippi</b> .....	260.5	244.0	245.0	50.0	48.5	48.5	224.2	225.9	228.0
Jackson .....	21.8	20.7	20.6	14.2	14.1	13.9	49.3	49.2	49.5
<b>Missouri</b> .....	421.6	419.5	420.4	157.8	162.8	163.4	596.6	599.0	600.1
Kansas City .....	107.0	108.1	108.0	87.2	88.3	88.9	209.8	213.2	214.2
St. Louis .....	200.5	197.6	199.3	78.8	80.2	80.5	294.7	294.4	297.2
Springfield .....	23.3	23.7	23.7	9.0	9.4	9.3	43.8	43.8	43.3
<b>Montana</b> .....	22.4	22.8	22.8	20.5	20.6	20.8	93.2	95.1	95.6
<b>Nebraska</b> .....	111.5	112.1	111.9	49.2	49.5	49.6	201.8	204.2	205.8
Lincoln .....	17.1	16.9	16.8	7.6	7.4	7.4	28.8	29.3	29.4
Omaha .....	37.6	38.0	37.7	25.7	26.0	25.9	90.5	93.4	92.8
<b>Nevada</b> .....	36.1	38.4	38.5	39.9	42.0	42.3	153.1	166.5	167.5
Las Vegas .....	19.7	21.1	21.3	27.5	29.1	29.2	107.8	118.6	119.3
Reno .....	12.2	12.7	12.6	11.1	11.4	11.5	36.2	38.1	38.2
<b>New Hampshire</b> .....	102.6	101.7	101.7	19.5	20.2	20.2	136.9	139.2	141.2
Manchester .....	12.1	12.8	12.8	5.8	6.1	6.1	22.9	23.3	23.5
Nashua .....	26.8	26.7	28.7	2.3	2.2	2.2	20.9	21.0	21.1
Portsmouth-Rochester .....	19.5	19.2	19.2	3.7	4.1	4.1	27.3	27.0	27.7
<b>New Jersey</b> .....	500.2	488.0	486.5	252.1	247.7	249.4	833.6	836.6	842.5
Atlantic-Cape May .....	6.6	6.3	6.4	7.4	6.9	7.0	33.2	31.5	33.4
Bergen-Passaic .....	109.7	106.0	105.5	29.1	29.4	29.2	171.9	172.0	173.2
Camden .....	56.8	55.1	55.5	21.9	22.1	21.7	120.0	120.8	122.2
Jersey City .....	30.0	28.9	29.0	29.6	29.4	29.5	57.5	57.2	57.5
Middlesex-Somerset-Hunterdon .....	93.2	92.1	91.9	47.6	46.9	47.2	132.3	133.8	132.9
Monmouth-Ocean .....	21.8	21.7	21.8	20.0	19.4	19.5	91.2	91.3	93.1
Newark .....	140.8	138.7	137.9	83.0	80.1	78.6	182.0	184.5	185.6
Trenton .....	23.3	21.0	20.7	7.3	7.2	7.0	31.0	30.9	31.4
Vineland-Millville-Bridgeton .....	13.6	13.3	13.6	2.6	2.9	3.0	11.0	11.2	11.4
<b>New Mexico</b> .....	44.4	45.8	46.1	30.9	31.5	31.6	160.2	167.4	168.4
Albuquerque .....	29.3	30.2	30.3	13.9	14.3	14.3	76.0	79.5	79.9
Las Cruces .....	2.6	2.6	2.6	1.8	1.8	1.8	10.5	11.0	11.2
Santa Fe .....	2.0	2.0	2.1	1.2	1.2	1.2	15.0	15.6	15.8
<b>New York</b> .....	939.4	934.8	933.1	399.5	401.6	400.3	1,581.4	1,598.4	1,608.8
Albany-Schenectady-Troy .....	41.3	39.4	39.3	16.0	16.1	16.1	89.2	88.9	89.6
Binghamton .....	24.9	24.3	24.2	4.4	4.5	4.4	23.5	23.0	22.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Maryland</b> .....	128.1	126.8	126.8	688.6	691.0	698.6	427.8	431.2	430.1
Baltimore PMSA .....	71.7	69.9	69.6	363.9	366.8	370.7	213.3	212.3	213.2
Baltimore City .....	35.5	34.4	34.0	151.0	151.2	153.5	91.4	91.0	90.3
Suburban Maryland-D.C. ....	48.2	47.3	47.4	259.8	263.7	265.2	173.8	175.8	174.6
<b>Massachusetts</b> .....	203.8	202.6	203.3	1,020.3	1,043.3	1,052.5	400.2	402.9	401.8
Barnstable-Yarmouth .....	3.1	2.9	3.0	16.3	16.0	17.3	7.3	7.3	7.3
Boston .....	148.9	147.9	148.1	687.5	707.2	711.2	218.6	218.7	218.1
Brockton .....	2.9	2.8	2.9	22.9	23.4	23.9	15.6	16.0	15.8
Fitchburg-Leominster .....	1.5	1.4	1.4	12.8	13.3	13.5	7.3	7.4	7.4
Lawrence .....	4.8	4.7	4.8	39.5	42.2	43.1	18.5	18.0	18.3
Lowell .....	3.8	3.9	3.8	27.5	28.0	28.4	14.4	14.5	14.8
New Bedford .....	1.9	1.9	1.9	16.0	16.8	16.8	9.8	10.0	10.0
Pittsfield .....	2.0	2.0	2.0	13.2	13.5	13.6	4.8	4.8	4.7
Springfield .....	13.3	13.2	13.2	73.0	73.8	74.8	44.7	44.4	44.6
Worcester .....	15.1	15.4	15.5	61.8	63.9	64.4	31.3	32.2	31.9
<b>Michigan</b> .....	193.6	195.2	195.1	1,107.8	1,135.7	1,146.6	657.7	661.1	653.4
Ann Arbor .....	9.4	9.5	9.6	58.2	58.6	59.1	72.0	73.3	72.0
Benton Harbor .....	2.7	2.6	2.6	17.6	17.2	17.5	8.9	9.2	9.1
Detroit .....	106.3	109.6	110.0	583.6	610.1	617.4	230.3	230.6	227.5
Flint .....	6.1	6.0	6.0	45.9	47.6	48.3	24.9	25.5	25.1
Grand Rapids-Muskegon-Holland .....	20.7	21.0	21.4	126.1	124.5	127.5	53.0	54.4	53.6
Jackson .....	1.8	1.9	1.8	13.2	13.3	13.6	9.9	10.3	10.2
Kalamazoo-Battle Creek .....	10.7	10.7	10.7	50.9	51.4	51.7	35.3	35.7	34.9
Lansing-East Lansing .....	12.5	12.7	12.7	52.9	53.1	53.8	68.4	68.6	68.6
Saginaw-Bay City-Midland .....	6.3	6.3	6.4	43.1	43.8	44.3	22.9	23.2	22.8
<b>Minnesota</b> .....	136.8	139.5	139.8	638.0	653.1	657.5	388.0	392.7	394.9
Duluth-Superior .....	3.3	3.4	3.3	28.3	29.3	29.3	22.6	23.5	23.5
Minneapolis-St. Paul .....	108.4	110.3	110.2	432.9	442.4	445.8	219.0	221.0	221.6
Rochester .....	2.2	1.9	2.1	29.6	30.7	30.8	7.4	7.2	7.2
St. Cloud .....	2.5	2.6	2.5	20.3	20.5	20.8	13.3	13.0	13.2
<b>Mississippi</b> .....	39.8	39.4	39.6	230.5	239.5	240.4	217.8	224.9	225.2
Jackson .....	14.7	14.8	14.9	53.8	56.3	56.6	44.4	46.0	46.0
<b>Missouri</b> .....	145.4	147.8	148.5	685.4	691.7	700.7	398.5	411.3	414.4
Kansas City .....	61.9	63.1	63.2	240.6	250.1	251.4	131.1	134.5	135.3
St. Louis .....	76.1	77.0	77.3	380.4	387.2	391.3	155.2	155.1	156.0
Springfield .....	6.3	6.6	6.7	43.0	44.4	44.2	18.3	19.2	19.2
<b>Montana</b> .....	15.3	15.4	15.4	94.0	97.7	98.4	79.0	79.0	78.4
<b>Nebraska</b> .....	51.7	52.1	51.9	209.0	213.1	214.5	153.2	153.3	153.7
Lincoln .....	8.6	8.9	9.0	33.8	34.8	34.9	35.0	34.9	35.0
Omaha .....	32.4	32.5	32.5	117.2	120.2	121.2	50.5	50.8	50.9
<b>Nevada</b> .....	34.8	37.7	37.9	340.5	359.7	363.8	98.4	102.0	102.4
Las Vegas .....	26.2	28.2	28.3	250.2	264.4	268.0	59.7	62.5	62.8
Reno .....	7.2	8.0	8.0	63.9	67.3	67.8	22.1	22.7	22.8
<b>New Hampshire</b> .....	28.7	29.3	29.5	146.7	152.9	152.8	78.3	78.1	77.5
Manchester .....	7.7	7.2	7.1	28.3	28.2	28.0	10.4	10.6	10.5
Nashua .....	3.1	3.3	3.4	20.3	21.2	21.3	7.7	7.8	7.8
Portsmouth-Rochester .....	6.0	6.2	6.1	27.0	27.1	28.2	21.3	21.6	21.3
<b>New Jersey</b> .....	226.7	228.4	228.7	1,067.3	1,093.5	1,106.3	577.3	577.1	577.5
Atlantic-Cape May .....	5.9	5.9	6.1	80.7	79.4	82.3	28.6	28.5	28.8
Bergen-Passaic .....	34.5	34.5	34.8	177.2	180.6	183.0	72.3	72.0	72.5
Camden .....	22.2	22.1	22.2	130.2	132.9	134.8	78.7	78.6	78.2
Jersey City .....	22.6	23.0	23.1	52.8	54.8	54.7	40.2	40.5	40.2
Middlesex-Somerset-Hunterdon .....	42.1	43.0	42.9	153.3	160.1	161.2	78.2	79.5	79.9
Monmouth-Ocean .....	17.3	17.9	17.9	112.4	114.7	117.6	62.6	63.3	63.5
Newark .....	67.3	67.6	67.7	275.8	282.9	284.7	145.0	144.7	144.4
Trenton .....	10.5	10.3	10.4	67.7	69.2	69.3	54.3	52.8	52.9
Vineland-Millville-Bridgeton .....	3.5	3.4	3.4	11.8	12.2	12.2	13.1	13.1	13.1
<b>New Mexico</b> .....	30.0	29.8	30.1	189.9	201.2	202.0	167.7	168.3	168.4
Albuquerque .....	16.4	15.4	15.4	101.1	107.1	107.4	61.4	61.9	61.9
Las Cruces .....	1.9	1.9	1.9	10.2	11.1	11.1	19.2	19.4	19.4
Santa Fe .....	3.1	3.1	3.1	20.8	21.2	21.5	24.8	23.9	23.8
<b>New York</b> .....	720.2	714.9	717.3	2,524.9	2,577.0	2,596.3	1,420.5	1,397.2	1,395.1
Albany-Schenectady-Troy .....	25.8	25.6	25.8	133.4	133.0	133.8	112.5	109.5	109.9
Binghamton .....	3.9	3.9	3.9	28.3	28.5	28.7	22.3	22.2	22.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>New York—Continued</b>									
Buffalo-Niagara Falls .....	535.1	531.0	533.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.1	16.4	18.1
Dutchess County .....	103.0	104.1	105.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.4	3.5
Elmira .....	40.3	41.6	41.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.1	1.2
Glens Falls .....	48.6	48.0	48.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.6	1.9
Nassau-Suffolk .....	1,086.6	1,087.8	1,097.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	43.3	40.3	43.2
New York PMSA .....	3,802.2	3,815.8	3,830.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	110.6	105.1	109.5
New York City .....	3,309.1	3,324.9	3,336.4	0.3	0.3	0.3	89.2	85.7	89.1
Newburgh .....	116.5	115.2	115.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.4	3.4
Rochester .....	518.9	519.7	524.5	.7	.6	.6	14.8	13.9	14.7
Rockland County .....	98.2	99.4	99.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	2.8	3.0
Syracuse .....	332.0	328.6	332.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.9	10.2	11.4
Utica-Rome .....	127.8	126.7	127.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.0	3.0
Westchester County .....	375.8	372.5	375.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.7	15.0	15.5
<b>North Carolina</b> .....	3,436.1	3,489.2	3,502.9	3.6	3.7	3.7	172.0	175.0	176.6
Asheville .....	99.6	101.3	101.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.4	5.4	5.3
Charlotte-Gastonia-Rock Hill .....	708.6	722.6	723.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	38.5	39.2	39.5
Greensboro—Winston-Salem—High Point .....	603.3	610.7	609.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.5	27.5	27.6
Raleigh-Durham-Chapel Hill .....	551.3	564.8	567.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	28.0	27.7	28.1
<b>North Dakota</b> .....	299.3	303.4	306.0	3.6	3.9	4.0	12.0	11.5	12.8
Bismarck .....	46.2	46.4	46.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.0	2.5
Fargo-Moorhead .....	88.5	90.5	91.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.0	4.3
Grand Forks .....	47.4	48.6	49.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.7	1.8
<b>Ohio</b> .....	5,193.5	5,234.4	5,284.2	13.9	13.8	13.9	197.8	191.7	204.0
Akron .....	310.9	311.6	313.5	.4	.3	.3	11.0	10.9	11.6
Canton-Massillon .....	173.5	174.3	176.0	.6	.6	.6	7.7	7.5	8.3
Cincinnati .....	799.2	808.0	813.4	.7	.7	.7	35.1	34.2	35.9
Cleveland-Lorain-Elyria .....	1,086.4	1,106.9	1,111.4	.9	1.0	1.0	39.0	39.8	42.0
Columbus .....	778.3	766.9	791.0	.7	.7	.8	30.0	30.2	31.6
Dayton-Springfield .....	464.2	462.8	468.9	.5	.4	.4	15.9	16.1	17.0
Hamilton-Middletown .....	110.9	111.9	112.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.8	5.3	5.5
Lima .....	76.1	76.7	76.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.2	3.3
Mansfield .....	79.0	79.0	78.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.4	2.5
Steubenville-Weirton .....	50.5	50.3	50.7	.4	.4	.5	1.5	1.4	1.4
Toledo .....	307.5	308.7	308.1	.2	.2	.2	11.9	11.8	12.3
Youngstown-Warren .....	240.9	237.0	242.5	.6	.6	.5	9.0	8.3	9.2
<b>Oklahoma</b> .....	1,305.7	1,338.7	1,343.8	31.9	31.5	31.4	47.1	47.9	48.9
Enid .....	23.5	24.0	23.9	1.0	1.1	1.2	.9	.8	.8
Lawton .....	36.2	37.3	37.5	.1	.1	.1	1.3	1.2	1.3
Oklahoma City .....	472.7	490.2	492.2	6.9	6.7	6.6	17.6	18.4	18.8
Tulsa .....	346.8	357.1	357.3	7.7	7.6	7.5	13.4	13.1	13.5
<b>Oregon</b> .....	1,393.8	1,443.7	1,452.9	1.6	1.8	1.8	63.3	68.9	70.7
Eugene-Springfield .....	128.6	130.5	131.5	.2	.2	.2	5.6	5.6	5.7
Medford-Ashland .....	62.7	63.4	63.6	.1	.1	.1	2.6	2.6	2.6
Portland-Vancouver .....	826.7	861.6	867.3	.9	1.1	1.1	41.2	47.7	49.3
Salem .....	122.0	124.8	125.4	.2	.2	.2	5.8	6.1	6.2
<b>Pennsylvania</b> .....	5,245.3	5,225.5	5,263.2	19.7	18.4	18.7	195.6	181.5	193.0
Allentown-Bethlehem-Easton .....	257.0	258.8	260.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.6	9.8	10.3
Altoona .....	56.0	56.1	56.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.6	2.7
Erie .....	127.2	128.1	128.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.8	4.0
Harrisburg-Lebanon-Carlisle .....	333.6	338.2	341.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.6	12.3	13.0
Johnstown .....	87.2	86.3	86.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.1	4.3
Lancaster .....	203.6	204.6	206.3	.4	.4	.4	11.3	11.2	11.7
Philadelphia PMSA .....	2,183.9	2,159.8	2,177.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	76.3	70.4	74.1
Philadelphia City .....	680.6	669.8	674.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.5	9.6	10.0
Pittsburgh .....	1,051.3	1,051.0	1,058.3	3.7	3.5	3.6	47.3	44.5	47.0
Reading .....	158.0	159.2	160.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.4	5.8	6.0
Scranton—Wilkes-Barre—Hazleton .....	272.8	271.6	273.8	.7	.6	.6	9.8	9.7	10.8
Sharon .....	46.0	45.3	45.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.1	1.3
State College .....	65.0	65.0	65.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.2	2.3
Williamsport .....	51.9	52.2	52.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.9	2.0
York .....	159.2	159.1	160.0	.4	.4	.4	7.5	6.9	7.2

See footnotes at end of table.



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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>New York—Continued</b>									
Buffalo-Niagara Falls .....	90.8	90.5	90.2	26.1	25.3	25.4	128.5	127.5	128.9
Dutchess County .....	16.4	17.9	17.8	4.0	4.1	4.1	20.5	20.2	20.4
Elmira .....	8.8	9.1	9.2	1.4	1.5	1.4	10.0	10.7	10.7
Glens Falls .....	9.0	8.8	8.8	1.2	1.2	1.2	10.6	10.4	10.6
Nassau-Suffolk .....	114.1	111.8	110.8	49.9	50.2	49.4	277.7	281.6	285.3
New York PMSA .....	329.4	321.4	322.2	227.6	229.6	229.9	656.9	669.1	671.4
New York City .....	273.8	267.3	268.2	201.5	203.7	204.1	547.4	557.6	559.7
Newburgh .....	12.8	12.2	12.1	6.5	6.7	6.6	31.0	30.7	31.1
Rochester .....	126.6	126.6	126.3	16.6	17.0	17.0	108.0	108.7	109.9
Rockland County .....	12.8	12.4	12.4	5.9	5.9	5.9	21.6	22.7	22.8
Syracuse .....	49.2	49.3	49.7	19.0	18.2	18.2	77.5	76.3	77.6
Utica-Rome .....	20.6	20.6	20.2	4.1	4.2	4.2	27.0	25.7	26.0
Westchester County .....	41.0	40.1	39.9	19.5	19.1	19.2	83.8	84.7	84.8
<b>North Carolina</b> .....	862.0	843.3	839.9	162.8	162.9	163.6	784.2	803.0	805.3
Asheville .....	19.9	20.0	20.0	4.5	4.7	4.7	24.1	24.3	24.6
Charlotte-Gastonia-Rock Hill .....	151.8	147.4	147.3	54.5	53.1	53.4	172.0	176.7	176.5
Greensboro-Winston-Salem-High Point .....	168.0	165.3	164.3	31.7	32.0	32.1	137.5	138.2	138.4
Raleigh-Durham-Chapel Hill .....	84.8	85.5	85.9	23.3	23.1	23.1	114.5	116.4	116.4
<b>North Dakota</b> .....	21.2	21.1	21.1	18.3	18.4	18.1	78.0	79.4	80.1
Bismarck .....	2.4	2.4	2.5	3.3	3.1	3.1	11.4	11.8	11.8
Fargo-Moorhead .....	7.2	7.2	7.3	5.3	5.5	5.5	26.0	26.4	26.6
Grand Forks .....	3.6	4.0	4.0	2.3	2.6	2.6	13.1	13.2	13.5
<b>Ohio</b> .....	1,099.7	1,077.2	1,087.8	226.6	226.3	228.6	1,252.7	1,275.8	1,287.3
Akron .....	66.1	64.1	64.0	14.7	14.1	14.1	75.5	76.9	77.6
Canton-Massillon .....	46.7	46.1	46.0	5.6	5.5	5.7	42.5	42.9	43.3
Cincinnati .....	140.5	141.3	141.2	42.9	43.5	43.6	207.5	210.4	210.1
Cleveland-Lorain-Elyria .....	227.2	227.9	226.8	43.7	43.6	44.0	256.6	262.7	263.8
Columbus .....	93.2	91.7	91.2	34.3	34.4	34.2	206.0	207.5	208.9
Dayton-Springfield .....	100.9	93.7	98.9	18.8	18.1	18.1	107.9	109.0	109.7
Hamilton-Middletown .....	21.3	21.1	21.3	4.3	4.4	4.3	29.9	30.5	30.7
Lima .....	20.5	20.3	20.2	2.9	2.8	2.8	17.6	18.1	18.0
Mansfield .....	22.5	22.4	22.4	4.1	4.1	4.0	17.6	17.4	17.7
Steubenville-Weirton .....	14.2	13.9	13.9	2.9	2.8	2.8	10.7	10.6	10.7
Toledo .....	59.3	59.8	59.8	14.5	14.6	14.5	75.6	75.3	74.8
Youngstown-Warren .....	59.1	53.9	57.9	9.7	9.5	9.7	61.7	62.1	62.6
<b>Oklahoma</b> .....	169.2	170.7	170.7	72.5	75.0	75.6	307.8	315.3	316.8
Enid .....	1.8	2.0	2.0	2.1	2.1	2.1	6.1	6.2	6.1
Lawton .....	3.6	3.6	3.6	1.8	1.9	1.9	8.6	8.8	8.9
Oklahoma City .....	51.2	53.3	53.5	20.9	21.7	22.1	113.9	118.4	118.9
Tulsa .....	53.4	54.5	54.3	26.6	28.5	28.6	82.1	84.0	84.4
<b>Oregon</b> .....	222.0	225.2	225.7	70.3	72.4	72.4	349.5	360.7	365.1
Eugene-Springfield .....	19.4	19.2	19.2	4.7	4.8	4.8	32.7	33.2	33.7
Medford-Ashland .....	9.0	8.8	8.9	3.1	3.1	3.1	18.5	18.5	18.5
Portland-Vancouver .....	133.1	137.7	137.9	47.1	48.5	48.7	207.8	214.2	216.4
Salem .....	16.1	16.3	16.1	3.5	3.5	3.5	26.7	27.2	27.5
<b>Pennsylvania</b> .....	937.1	922.1	922.4	273.3	270.3	269.6	1,181.7	1,192.9	1,202.7
Allentown-Bethlehem-Easton .....	59.7	56.5	56.7	14.1	14.2	14.5	52.8	53.6	53.8
Altoona .....	10.0	10.3	10.2	4.2	4.2	4.2	14.5	14.5	14.7
Erie .....	35.0	34.6	34.4	4.4	4.5	4.5	28.0	28.6	28.9
Harrisburg-Lebanon-Carlisle .....	46.5	46.1	45.8	22.3	23.2	23.2	73.2	74.1	75.5
Johnstown .....	13.8	12.7	12.9	5.4	4.8	4.7	20.4	20.0	20.1
Lancaster .....	56.7	55.5	55.1	7.7	7.4	7.4	50.1	50.2	50.7
Philadelphia PMSA .....	307.7	300.6	300.7	104.6	101.7	100.8	481.7	483.4	486.5
Philadelphia City .....	60.8	59.4	59.0	33.2	32.4	32.0	113.6	113.7	113.7
Pittsburgh .....	131.4	131.9	132.0	67.2	67.3	66.9	256.8	260.6	262.5
Reading .....	43.4	43.3	43.4	7.0	7.0	7.0	36.8	37.5	37.8
Scranton-Wilkes-Barre-Hazleton .....	56.8	56.5	56.5	15.3	15.3	15.2	65.8	64.9	65.3
Sharon .....	11.1	10.9	10.9	2.0	1.9	1.9	11.7	11.6	11.7
State College .....	8.7	8.7	8.7	2.0	2.0	2.0	12.0	12.0	11.9
Williamsport .....	13.0	12.7	12.4	1.9	1.9	1.9	12.1	12.4	12.6
York .....	47.1	47.9	47.6	8.0	7.5	7.5	38.9	39.3	39.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>New York—Continued</b>									
Buffalo-Niagara Falls .....	27.9	27.7	27.7	155.0	155.4	155.9	88.8	88.1	87.2
Dutchess County .....	4.0	4.0	4.1	31.4	31.4	32.0	22.9	23.0	23.2
Elmira .....	1.3	1.3	1.3	10.2	10.4	10.5	7.4	7.6	7.5
Glens Falls .....	1.9	1.9	1.9	13.9	14.2	14.5	9.9	9.8	9.9
Nassau-Suffolk .....	79.1	79.0	78.7	338.0	344.0	348.5	184.5	181.0	181.9
New York PMSA .....	503.8	499.2	501.0	1,344.4	1,373.8	1,380.2	629.5	617.6	616.2
New York City .....	472.0	467.6	469.2	1,179.3	1,208.6	1,213.0	545.6	534.1	532.8
Newburgh .....	5.3	5.5	5.5	30.0	29.9	30.1	27.0	26.8	26.9
Rochester .....	23.0	22.9	23.0	148.8	150.4	153.0	80.3	79.6	79.9
Rockland County .....	4.9	5.0	5.0	29.5	29.9	30.0	20.5	20.6	20.5
Syracuse .....	18.2	18.1	18.2	94.7	95.3	96.3	61.5	61.2	61.4
Utica-Rome .....	7.7	7.7	7.7	35.2	35.5	36.0	30.2	30.1	30.1
Westchester County .....	25.8	25.5	25.7	129.9	129.5	131.3	59.1	58.6	58.7
<b>North Carolina</b>	142.7	148.0	149.7	748.4	774.3	782.4	560.4	579.0	581.7
Asheville .....	2.9	3.0	2.9	27.9	28.4	28.4	14.9	15.5	15.6
Charlotte-Gastonia-Rock Hill .....	45.4	46.8	46.8	164.3	171.9	172.7	82.1	87.5	87.2
Greensboro--Winston-Salem--High Point .....	29.5	30.4	30.8	143.9	150.0	149.5	66.2	67.3	67.1
Raleigh-Durham-Chapel Hill .....	25.7	26.4	26.5	158.0	165.7	166.9	117.0	120.0	120.5
<b>North Dakota</b>	13.6	14.0	14.0	80.1	83.1	83.6	72.5	72.0	72.3
Bismarck .....	2.2	2.2	2.2	14.3	14.9	14.8	10.1	10.0	10.0
Fargo-Moorhead .....	5.3	5.5	5.4	26.2	27.1	27.3	14.5	14.8	14.6
Grand Forks .....	1.5	1.5	1.5	12.3	12.9	13.1	12.8	12.7	12.6
<b>Ohio</b>	267.8	273.5	274.9	1,374.1	1,403.5	1,420.1	760.9	772.6	767.6
Akron .....	12.0	12.2	12.2	83.2	84.1	84.8	48.0	49.0	48.7
Canton-Massillon .....	5.7	5.2	5.2	45.8	47.0	47.6	18.9	19.5	19.3
Cincinnati .....	49.3	51.1	51.7	219.7	222.7	226.3	103.5	104.1	103.9
Cleveland-Lorain-Elyria .....	69.0	69.7	69.9	317.2	318.7	321.8	142.8	143.5	142.1
Columbus .....	63.6	66.1	66.6	213.9	220.7	221.9	136.6	135.6	135.8
Dayton-Springfield .....	16.6	16.5	16.7	130.2	134.5	135.2	73.4	74.5	72.9
Hamilton-Middletown .....	4.3	4.2	4.2	25.1	25.8	26.2	20.2	20.6	20.3
Lima .....	2.1	2.2	2.2	19.4	19.6	20.0	10.4	10.5	10.4
Mansfield .....	2.9	2.8	2.7	19.0	19.4	19.3	10.3	10.5	10.2
Steubenville-Weirton .....	1.6	1.6	1.6	13.0	13.4	13.5	6.2	6.2	6.3
Toledo .....	10.5	10.8	10.6	87.7	87.7	88.1	47.8	48.5	47.8
Youngstown-Warren .....	9.4	9.5	9.5	60.5	61.3	62.1	30.9	31.8	31.0
<b>Oklahoma</b>	64.7	66.1	66.4	339.2	357.1	359.4	273.3	275.1	274.6
Enid .....	1.1	1.0	1.0	6.3	6.6	6.4	4.2	4.2	4.3
Lawton .....	1.7	1.8	1.8	7.6	7.9	7.9	11.5	12.0	12.0
Oklahoma City .....	26.4	27.2	27.3	133.1	141.4	142.1	102.7	103.1	102.9
Tulsa .....	19.5	20.2	20.2	102.9	106.9	106.8	41.2	42.3	42.0
<b>Oregon</b>	86.1	88.5	88.9	357.1	385.5	388.3	243.9	240.7	240.0
Eugene-Springfield .....	6.6	6.9	7.0	34.3	34.8	35.2	25.1	25.8	25.7
Medford-Ashland .....	2.9	2.9	2.9	16.0	16.7	16.8	10.5	10.7	10.7
Portland-Vancouver .....	61.0	64.2	64.6	223.9	243.7	244.9	111.7	104.5	104.4
Salem .....	6.6	6.4	6.4	29.0	30.5	30.9	34.1	34.6	34.6
<b>Pennsylvania</b>	300.1	305.1	305.7	1,601.7	1,596.0	1,612.1	736.1	739.2	739.0
Allentown-Bethlehem-Easton .....	13.7	13.6	13.6	76.7	80.4	80.9	30.4	30.7	30.9
Altoona .....	1.8	1.8	1.7	14.9	14.6	14.9	8.1	8.1	8.2
Erie .....	5.6	5.7	5.7	35.0	35.3	35.8	15.3	15.6	15.4
Harrisburg-Lebanon-Carlisle .....	23.0	24.5	24.8	84.3	86.2	87.4	71.7	71.8	71.8
Johnstown .....	4.1	4.3	4.3	25.1	26.3	26.0	13.9	14.1	14.2
Lancaster .....	8.7	9.1	9.1	49.6	51.5	52.8	19.1	19.3	19.1
Philadelphia PMSA .....	153.9	152.8	153.2	749.1	744.0	755.3	310.6	306.9	307.0
Philadelphia City .....	55.5	55.5	55.4	275.4	272.4	277.2	131.6	126.8	126.9
Pittsburgh .....	58.9	59.6	59.7	358.9	356.3	359.7	127.1	127.3	126.9
Reading .....	9.0	9.1	9.2	36.1	37.2	37.6	19.3	19.3	19.4
Scranton--Wilkes-Barre--Hazleton .....	13.2	13.7	13.9	75.9	75.0	75.8	35.3	35.9	35.7
Sharon .....	1.5	1.5	1.5	12.9	12.8	13.1	5.5	5.5	5.4
State College .....	1.7	1.6	1.5	13.1	12.4	12.7	25.2	26.1	26.5
Williamsport .....	2.3	2.3	2.3	13.3	13.8	14.0	7.3	7.2	7.2
York .....	4.9	4.8	4.8	36.7	37.4	37.9	15.7	14.9	14.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Rhode Island</b> .....	437.1	438.8	441.1	0.2	0.1	0.2	12.7	11.5	12.4
Providence-Fall River-Warwick .....	492.4	492.4	494.2	.2	.2	.2	14.1	12.6	14.1
<b>South Carolina</b> .....	1,645.6	1,658.4	1,672.5	1.9	1.9	1.9	85.4	87.6	88.6
Charleston-North Charleston .....	209.5	210.5	211.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.5	13.1	13.1
Columbia .....	264.8	268.5	270.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.7	13.3	13.4
Greenville-Spartanburg-Anderson .....	438.2	448.4	450.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.4	26.8	27.1
<b>South Dakota</b> .....	338.6	346.9	349.1	2.3	2.3	2.3	12.7	12.5	13.4
Rapid City .....	44.3	44.2	44.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.4	2.8
Sioux Falls .....	94.4	97.3	97.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.2	4.3
<b>Tennessee</b> .....	2,480.4	2,558.6	2,550.7	4.6	4.5	4.6	106.4	110.4	114.2
Chattanooga .....	215.3	217.5	216.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4	8.5	8.7
Johnson City-Kingsport-Bristol .....	196.6	193.6	192.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.4	8.9	9.3
Knoxville .....	311.3	310.3	311.4	.5	.5	.5	17.4	17.2	17.4
Memphis .....	531.1	542.9	539.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.6	21.6	22.3
Nashville .....	593.5	610.8	608.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.7	27.6	28.0
<b>Texas</b> .....	7,966.3	8,176.4	8,219.8	155.0	152.8	152.4	399.2	421.8	424.3
Abilene .....	52.8	53.0	53.0	1.3	1.3	1.3	2.1	2.1	2.1
Amarillo .....	90.6	92.9	93.2	.8	.8	.7	4.1	4.5	4.5
Austin-San Marcos .....	512.6	538.7	543.0	1.0	1.0	1.0	24.2	26.1	26.5
Beaumont-Port Arthur .....	150.3	152.1	152.7	.8	.8	.8	13.2	14.2	14.4
Brazoria .....	71.0	72.6	72.6	1.5	1.4	1.3	8.0	9.5	9.1
Brownsville-Harlingen-San Benito .....	92.0	95.1	95.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.1	3.1
Bryan-College Station .....	65.3	65.4	66.0	.7	.6	.6	2.4	2.6	2.7
Corpus Christi .....	146.1	147.5	148.1	2.5	2.5	2.5	11.0	11.5	11.1
Dallas .....	1,583.0	1,632.5	1,640.7	12.5	11.6	11.4	64.1	70.7	72.0
El Paso .....	233.5	233.5	232.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.5	10.4	10.3
Ft. Worth-Arlington .....	650.2	670.0	674.7	4.4	4.4	4.5	27.4	30.0	30.2
Galveston-Texas City .....	86.1	86.6	87.2	.9	.8	.8	4.8	5.2	5.2
Houston .....	1,752.7	1,788.1	1,794.9	63.5	64.6	64.6	116.6	122.1	121.5
Killeen-Temple .....	91.7	95.3	96.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.0	4.1
Laredo .....	55.1	54.9	54.7	2.4	3.1	2.9	2.3	2.0	2.0
Longview-Marshall .....	83.4	84.5	84.8	3.2	3.2	3.2	3.5	3.8	3.8
Lubbock .....	107.2	109.5	110.2	.2	.2	.2	4.1	4.2	4.3
McAllen-Edinburg-Mission .....	123.9	128.1	128.4	1.0	1.0	1.1	5.9	6.0	6.2
Odessa-Midland .....	95.6	96.9	97.6	12.0	11.8	11.7	5.0	4.8	4.9
San Angelo .....	40.8	41.6	41.6	.5	.4	.5	1.7	1.8	1.8
San Antonio .....	616.3	634.1	637.6	1.9	1.9	1.9	30.1	32.5	32.5
Sherman-Denison .....	40.3	40.5	41.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.7	1.7
Texarkana .....	49.1	49.8	49.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.2	2.2
Tyler .....	71.4	71.9	72.1	1.3	1.3	1.3	2.3	2.4	2.4
Victoria .....	32.8	33.9	33.8	1.4	1.3	1.3	2.1	2.3	2.3
Waco .....	92.1	94.7	94.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.2	4.2
Wichita Falls .....	55.8	58.7	58.8	1.4	1.3	1.3	2.2	2.1	2.1
<b>Utah</b> .....	896.1	937.9	948.0	7.9	7.8	7.6	50.6	58.4	61.1
Provo-Orem .....	121.0	127.0	127.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.3	8.6	9.0
Salt Lake City-Ogden .....	603.7	632.6	638.3	3.1	3.2	3.2	33.4	36.2	38.0
<b>Vermont</b> .....	265.7	274.4	270.6	.7	.5	.5	11.6	10.8	11.4
Barre-Montpelier .....	28.4	30.7	29.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	.9	.9
Burlington .....	93.3	95.0	96.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.0	4.1
<b>Virginia</b> .....	3,054.7	3,086.0	3,102.1	11.5	10.5	10.3	165.4	165.2	167.9
Bristol .....	37.2	37.0	37.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.4	1.4
Charlottesville .....	76.1	77.5	78.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.9	4.1
Danville .....	43.9	44.2	44.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.2	2.2
Lynchburg .....	96.5	96.2	97.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.7	5.5	5.6
Norfolk-Virginia Beach-Newport News .....	624.8	625.3	632.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	35.2	37.2	37.3
Northern Virginia .....	919.5	938.1	942.3	.6	.6	.6	49.4	47.7	48.7
Richmond-Petersburg .....	501.2	506.6	507.5	.7	.7	.7	28.8	29.3	29.8
Roanoke .....	137.7	137.4	138.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	7.4	7.5
<b>Washington</b> .....	2,330.8	2,359.2	2,377.8	3.3	3.1	3.2	117.8	117.3	120.0
Seattle-Bellevue-Everett .....	1,169.4	1,199.8	1,205.5	.7	.7	.7	55.8	57.4	58.2
Spokane .....	178.2	176.4	178.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.6	8.2	9.0
Tacoma .....	216.2	218.9	219.4	.2	.2	.2	11.5	12.0	12.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Rhode Island</b> .....	85.5	83.2	82.8	14.6	14.8	14.9	95.1	93.7	94.6
Providence-Fall River-Warwick .....	107.5	104.3	103.7	16.8	17.0	17.1	112.6	112.8	113.3
<b>South Carolina</b> .....	360.4	371.1	366.3	70.9	71.4	71.5	380.0	385.0	395.5
Charleston-North Charleston .....	20.5	21.0	21.0	10.9	11.2	11.2	53.0	53.1	54.6
Columbia .....	26.9	26.0	25.9	12.0	12.0	12.0	59.8	61.4	61.8
Greenville-Spartanburg-Anderson .....	128.3	126.8	126.0	17.9	18.6	18.7	105.6	108.9	109.9
<b>South Dakota</b> .....	45.8	46.2	46.7	15.9	16.2	16.2	85.9	88.4	88.7
Rapid City .....	4.5	4.1	4.1	2.0	2.0	2.1	13.3	13.4	13.2
Sioux Falls .....	12.7	13.0	12.9	6.1	6.1	6.1	25.1	25.8	25.8
<b>Tennessee</b> .....	543.4	534.5	531.1	135.9	137.0	136.5	574.4	594.5	598.9
Chattanooga .....	45.8	44.8	44.6	8.0	7.9	7.9	50.5	50.1	50.0
Johnson City-Kingsport-Bristol .....	55.9	54.4	54.3	7.5	7.3	7.2	43.9	42.3	42.0
Knoxville .....	49.5	49.3	49.2	12.8	13.3	13.2	80.1	79.7	80.7
Memphis .....	65.4	63.5	63.4	56.6	58.6	58.6	135.8	136.0	138.3
Nashville .....	100.7	100.7	100.3	32.4	31.5	31.6	141.8	147.0	146.6
<b>Texas</b> .....	1,024.7	1,034.5	1,035.8	470.0	483.9	485.2	1,919.6	1,964.5	1,978.1
Abilene .....	3.4	3.1	3.0	2.7	2.7	2.7	13.8	14.3	14.3
Amarillo .....	9.4	9.7	9.6	5.9	5.8	5.8	25.2	25.8	26.1
Austin-San Marcos .....	86.7	71.7	71.8	15.7	16.7	16.8	107.2	115.0	116.2
Beaumont-Port Arthur .....	23.8	23.6	23.6	9.0	8.4	8.5	34.6	35.2	35.3
Brazoria .....	16.3	16.3	16.3	3.0	3.1	3.1	13.7	13.6	13.7
Brownsville-Harlingen-San Benito .....	13.3	13.2	13.6	4.0	4.2	4.2	23.6	24.8	24.7
Bryan-College Station .....	3.7	3.8	3.8	1.4	1.3	1.3	14.0	13.7	14.0
Corpus Christi .....	13.7	13.6	13.5	6.7	6.6	6.7	34.7	35.1	35.4
Dallas .....	229.2	232.8	233.7	101.4	107.1	107.1	397.7	409.9	411.8
El Paso .....	46.3	46.4	46.0	12.5	12.8	12.1	56.3	53.9	54.3
Ft. Worth-Arlington .....	105.7	106.3	106.0	61.8	63.5	63.9	164.7	170.1	171.5
Galveston-Texas City .....	7.9	7.8	7.9	4.4	4.3	4.3	18.9	18.6	19.1
Houston .....	187.1	190.3	191.2	122.7	124.2	124.5	408.7	416.4	419.3
Killeen-Temple .....	10.1	10.2	10.3	3.2	3.3	3.4	21.4	23.3	23.4
Laredo .....	1.6	1.5	1.5	8.3	7.8	7.8	15.9	15.2	15.3
Longview-Marshall .....	17.9	17.9	18.0	3.9	4.0	4.0	20.7	21.3	21.3
Lubbock .....	7.8	7.4	7.4	5.5	5.9	5.9	30.7	31.3	31.6
McAllen-Edinburg-Mission .....	13.1	13.4	13.0	4.6	4.6	4.7	35.3	36.2	36.1
Odessa-Midland .....	6.6	6.8	6.8	4.1	4.2	4.1	25.1	25.8	26.2
San Angelo .....	5.4	5.4	5.3	2.3	2.5	2.4	9.9	10.0	10.0
San Antonio .....	48.4	49.1	49.4	28.4	28.9	29.0	151.6	155.9	156.8
Sherman-Denison .....	10.0	10.1	10.4	1.7	1.5	1.5	9.2	9.0	9.2
Texarkana .....	5.7	5.7	5.7	2.2	2.1	2.1	12.6	13.0	13.0
Tyler .....	13.1	11.3	11.2	3.1	3.3	3.4	17.7	18.1	18.2
Victoria .....	3.1	3.1	3.1	1.4	1.4	1.4	9.0	9.0	9.0
Waco .....	16.9	16.9	16.8	3.7	3.8	3.8	20.8	22.3	22.3
Wichita Falls .....	7.8	8.3	8.4	2.9	2.9	2.9	13.0	13.7	13.7
<b>Utah</b> .....	122.1	127.9	128.9	51.3	52.9	53.1	214.6	221.9	225.3
Provo-Orem .....	17.4	18.0	18.0	2.3	2.3	2.3	26.2	28.2	28.5
Salt Lake City-Ogden .....	76.8	80.0	80.3	39.8	41.0	41.2	147.8	154.9	156.3
<b>Vermont</b> .....	44.7	45.5	45.6	11.6	11.9	11.9	62.1	63.1	62.8
Barre-Montpelier .....	3.4	3.6	3.5	.9	1.0	.9	5.8	6.6	6.5
Burlington .....	17.0	17.5	17.5	4.3	4.4	4.4	21.4	21.7	22.1
<b>Virginia</b> .....	402.4	394.6	393.5	155.0	160.3	160.3	687.6	695.5	705.8
Bristol .....	10.9	10.2	10.3	1.2	1.3	1.3	9.9	9.8	9.8
Charlottesville .....	7.7	7.4	7.5	2.3	2.3	2.2	15.3	15.8	16.0
Danville .....	16.0	15.8	15.8	1.0	1.1	1.1	8.9	9.3	9.3
Lynchburg .....	26.2	25.7	25.9	3.6	3.6	3.6	21.0	21.1	21.4
Norfolk-Virginia Beach-Newport News .....	66.1	65.1	65.3	30.0	30.4	30.7	147.9	147.7	150.9
Northern Virginia .....	39.6	38.6	38.7	55.8	57.8	57.9	204.8	205.6	207.0
Richmond-Petersburg .....	60.7	60.3	60.3	25.6	26.2	25.9	118.0	119.8	120.1
Roanoke .....	19.5	19.4	19.5	8.5	8.4	8.3	35.2	35.8	35.9
<b>Washington</b> .....	336.5	328.4	331.8	118.3	119.9	120.9	569.3	573.4	580.5
Seattle-Bellevue-Everett .....	194.3	188.5	190.3	71.2	72.1	72.9	281.1	288.4	290.8
Spokane .....	21.6	21.4	22.0	8.3	8.0	8.1	44.7	46.2	46.3
Tacoma .....	21.6	22.1	22.2	9.9	10.1	10.1	55.1	55.4	56.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Rhode Island</b> .....	24.9	24.7	24.8	141.2	148.5	149.6	62.9	62.3	61.8
Providence-Fall River-Warwick .....	27.0	26.1	26.3	149.3	153.3	154.2	64.9	66.1	65.3
<b>South Carolina</b> .....	67.9	70.3	70.6	360.9	373.3	379.1	298.2	297.8	297.0
Charleston-North Charleston .....	8.1	8.2	8.2	54.3	55.1	56.1	50.2	48.8	47.7
Columbia .....	19.0	19.5	19.6	61.6	64.1	65.0	72.8	72.2	72.5
Greenville-Spartanburg-Anderson .....	14.8	15.4	15.4	90.0	94.2	95.1	55.2	57.7	57.8
<b>South Dakota</b> .....	18.3	19.6	19.6	85.1	89.9	90.2	72.6	71.8	72.0
Rapid City .....	1.6	1.6	1.6	12.6	13.3	13.4	7.5	7.4	7.4
Sioux Falls .....	9.4	10.3	10.3	27.2	28.4	28.2	9.6	9.5	9.6
<b>Tennessee</b> .....	109.3	111.4	112.0	627.0	646.3	654.1	379.4	418.0	399.3
Chattanooga .....	13.1	13.7	13.7	54.0	56.1	56.1	35.5	36.4	35.2
Johnson City-Kingsport-Bristol .....	5.7	5.8	5.8	43.4	42.9	43.0	30.8	32.0	30.9
Knoxville .....	11.6	11.7	11.6	83.6	80.8	82.8	55.8	57.8	56.0
Memphis .....	26.5	26.7	26.9	143.3	147.5	147.8	81.9	87.0	82.3
Nashville .....	33.4	35.0	35.1	180.7	187.4	187.6	77.8	81.6	78.8
<b>Texas</b> .....	434.0	439.8	441.8	2,099.9	2,189.3	2,208.6	1,463.9	1,489.8	1,493.6
Abilene .....	2.0	1.9	1.9	17.9	17.7	17.8	9.6	9.9	9.9
Amarillo .....	4.5	4.6	4.6	22.3	23.1	23.3	18.4	18.6	18.6
Austin-San Marcos .....	27.8	28.5	28.6	137.3	145.3	146.7	132.7	134.4	135.4
Beaumont-Port Arthur .....	4.6	4.7	4.8	39.3	39.6	39.7	25.0	25.6	25.6
Brazoria .....	1.7	1.7	1.7	13.3	13.3	13.5	13.5	13.7	13.9
Brownsville-Harlingen-San Benito .....	3.5	3.6	3.6	22.9	24.2	24.2	21.9	22.0	22.1
Bryan-College Station .....	2.6	2.5	2.5	13.0	13.2	13.1	27.5	27.7	28.0
Corpus Christi .....	6.2	6.3	6.4	39.6	40.6	41.1	31.7	31.3	31.4
Dallas .....	128.6	129.8	130.3	455.7	476.0	479.7	193.8	194.6	194.7
El Paso .....	8.6	8.8	8.7	50.3	50.7	50.7	49.0	50.5	50.8
Ft. Worth-Arlington .....	28.7	29.7	29.9	168.9	175.2	177.9	88.6	90.8	90.8
Galveston-Texas City .....	5.4	5.3	5.3	17.7	17.5	17.7	26.1	27.1	26.9
Houston .....	94.9	94.0	94.5	512.4	528.3	530.4	246.8	248.2	248.9
Killeen-Temple .....	3.8	3.9	3.9	23.2	24.2	24.4	26.0	26.4	26.6
Laredo .....	2.0	2.0	2.0	9.7	9.7	9.7	12.9	13.6	13.5
Longview-Marshall .....	2.8	2.9	2.9	19.9	19.9	20.1	11.5	11.5	11.5
Lubbock .....	4.7	5.0	5.0	30.3	31.0	31.2	23.9	24.5	24.6
McAllen-Edinburg-Mission .....	4.3	4.4	4.4	25.9	27.2	27.7	33.8	35.3	35.2
Odessa-Midland .....	3.6	3.5	3.5	21.5	22.5	22.8	17.7	17.5	17.6
San Angelo .....	1.7	1.7	1.7	10.8	11.3	11.4	8.5	8.5	8.5
San Antonio .....	42.5	43.5	43.7	182.6	189.2	191.4	130.8	133.1	132.9
Sherman-Denison .....	2.0	2.0	2.0	10.3	10.8	10.9	5.4	5.4	5.4
Texarkana .....	1.7	1.8	1.8	13.3	13.1	13.2	11.3	11.9	11.8
Tyler .....	3.5	3.7	3.7	19.5	20.4	20.5	10.9	11.4	11.4
Victoria .....	1.6	1.6	1.6	8.1	8.9	8.9	6.1	6.3	6.2
Waco .....	5.4	5.7	5.7	25.9	26.6	26.8	15.3	15.2	15.3
Wichita Falls .....	2.2	2.2	2.2	14.7	15.3	15.3	11.6	12.9	12.9
<b>Utah</b> .....	46.4	50.2	50.4	235.1	249.0	250.4	168.1	169.8	171.2
Provo-Orem .....	3.1	3.3	3.4	47.0	48.5	48.5	17.7	18.1	18.1
Salt Lake City-Ogden .....	38.5	41.8	41.8	155.1	165.0	166.3	109.2	110.5	111.2
<b>Vermont</b> .....	12.2	12.1	12.1	75.6	83.4	79.0	47.2	47.1	47.3
Barre-Montpelier .....	2.5	2.5	2.4	7.5	8.9	7.9	7.1	7.2	7.1
Burlington .....	4.4	4.6	4.7	26.3	27.1	27.2	15.7	15.7	16.0
<b>Virginia</b> .....	159.8	161.0	160.9	862.9	892.7	896.7	610.1	606.2	606.7
Bristol .....	1.2	1.2	1.2	7.1	7.6	7.6	5.6	5.5	5.6
Charlottesville .....	3.8	4.0	4.0	17.9	18.5	18.6	25.1	25.6	25.7
Danville .....	1.4	1.4	1.4	8.4	8.4	8.4	6.1	6.0	6.0
Lynchburg .....	4.0	4.3	4.3	23.5	23.4	23.6	12.5	12.6	12.6
Norfolk-Virginia Beach-Newport News .....	27.6	28.6	28.6	179.4	178.8	181.9	138.6	137.7	137.4
Northern Virginia .....	53.8	53.5	53.5	337.8	358.3	360.2	177.7	176.0	175.7
Richmond-Petersburg .....	42.3	42.3	41.7	124.0	129.7	130.5	101.1	98.3	98.5
Roanoke .....	9.8	9.6	9.9	40.2	39.2	39.3	17.1	17.6	17.6
<b>Washington</b> .....	120.4	122.7	122.7	614.5	638.2	644.0	450.7	456.2	454.7
Seattle-Bellevue-Everett .....	72.5	72.9	73.3	320.7	340.6	342.7	173.1	179.2	176.6
Spokane .....	10.2	10.0	10.1	53.1	52.2	52.8	30.7	30.4	30.6
Tacoma .....	10.9	11.3	11.2	59.7	60.8	60.7	47.3	47.0	46.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>West Virginia</b> .....	683.8	686.2	693.4	27.4	25.5	25.7	32.6	28.4	31.9
Charleston .....	124.2	125.0	125.7	1.8	1.7	1.7	6.9	6.5	7.2
Huntington-Ashland .....	118.5	119.7	120.7	1.4	1.6	1.6	5.7	6.7	7.2
Parkersburg-Marietta .....	66.2	66.9	67.8	.4	.3	.3	3.6	3.7	4.1
Wheeling .....	62.2	62.3	63.2	1.3	1.4	1.5	2.1	1.9	2.1
<b>Wisconsin</b> .....	2,533.1	2,533.7	2,554.3	2.3	1.8	2.0	92.9	88.1	96.6
Appleton-Oshkosh-Neenah .....	184.1	187.0	188.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.0	8.9	9.4
Eau Claire .....	66.5	66.2	67.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.1	2.4
Green Bay .....	126.6	129.6	130.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.1	6.3	6.7
Janesville-Beloit .....	68.2	69.5	70.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	3.2
Kenosha .....	48.1	48.7	48.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.0	2.1
La Crosse .....	65.8	85.1	66.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.1	2.4
Madison .....	254.4	257.6	259.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.6	11.0	11.9
Milwaukee-Waukesha .....	799.5	798.1	799.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	26.5	25.1	26.2
Racine .....	78.4	79.9	80.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.4	2.7
Sheboygan .....	58.0	59.4	60.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.2	2.3
Wausau .....	60.4	61.6	61.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.1
<b>Wyoming</b> .....	213.7	214.7	216.8	16.6	16.3	16.3	13.2	12.7	13.7
Casper .....	29.1	29.6	29.8	1.9	1.8	1.8	1.7	1.4	1.5
<b>Puerto Rico</b> .....	914.4	920.9	919.8	1.0	1.0	1.1	46.5	48.0	48.4
Caguas .....	58.9	60.9	60.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	3.3	3.0
Mayaguez .....	67.4	68.5	69.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	4.0	3.8
Ponce .....	71.6	71.0	70.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.6	3.7
San Juan-Bayamon .....	572.0	579.2	579.1	.5	.5	.5	33.3	34.9	35.8
<b>Virgin Islands</b> .....	42.9	40.3	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.7	( <sup>2</sup> )

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>West Virginia</b> .....	82.0	81.8	81.8	40.2	39.8	39.8	156.7	157.6	160.1
Charleston .....	9.8	9.8	9.8	9.3	9.0	9.0	30.8	30.6	30.8
Huntington-Ashland .....	18.3	17.9	17.9	7.1	7.0	7.0	30.2	30.5	31.0
Parkersburg-Marietta .....	12.9	12.9	12.9	2.8	3.1	3.1	16.5	16.6	16.7
Wheeling .....	6.6	6.5	6.3	3.3	3.1	3.1	15.4	15.3	15.5
<b>Wisconsin</b> .....	594.3	594.1	594.1	119.4	118.7	119.7	576.0	575.9	582.5
Appleton-Oshkosh-Neenah .....	58.4	58.6	58.7	7.2	7.5	7.4	38.5	39.1	39.8
Eau Claire .....	10.9	11.3	11.3	3.5	3.4	3.4	18.2	18.3	18.5
Green Bay .....	27.2	27.6	27.8	8.8	9.1	9.1	29.6	30.6	30.5
Janesville-Beloit .....	21.2	21.5	21.5	2.3	2.5	2.5	15.5	16.6	16.8
Kenosha .....	10.8	11.2	11.0	1.7	1.7	1.6	13.6	13.5	13.7
La Crosse .....	11.2	10.9	11.0	2.9	2.9	2.9	19.3	19.4	19.8
Madison .....	27.7	27.6	27.5	8.3	8.4	8.4	55.9	57.0	57.4
Milwaukee-Waukesha .....	176.5	176.3	175.2	38.9	38.6	38.6	173.4	174.3	175.0
Racine .....	24.9	24.9	24.7	2.8	3.2	3.2	16.0	16.6	16.7
Sheboygan .....	24.4	25.1	25.3	2.0	1.9	1.9	10.8	10.3	10.5
Wausau .....	17.1	17.3	17.6	3.6	3.6	3.6	14.7	15.2	15.1
<b>Wyoming</b> .....	9.2	9.6	9.6	13.5	13.3	13.3	49.3	50.4	50.9
Casper .....	1.5	1.7	1.7	1.5	1.4	1.4	8.2	8.5	8.5
<b>Puerto Rico</b> .....	153.9	150.4	150.4	22.8	22.7	21.8	179.5	179.5	177.6
Caguas .....	14.8	15.1	15.2	.8	.7	.7	13.0	13.3	13.2
Mayaguez .....	19.5	19.3	19.6	.7	.7	.7	11.0	10.8	10.8
Ponce .....	11.6	10.8	10.7	2.0	1.9	1.5	13.4	13.4	13.3
San Juan-Bayamon .....	70.3	68.4	68.8	17.3	17.7	17.3	117.5	117.5	115.9
<b>Virgin Islands</b> .....	2.4	2.3	( <sup>2</sup> )	2.6	2.3	( <sup>2</sup> )	10.5	9.1	( <sup>2</sup> )

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>West Virginia</b> .....	26.7	27.2	27.3	181.3	186.1	187.9	136.9	139.8	138.9
Charleston .....	6.9	7.2	7.2	36.2	37.1	37.3	22.5	23.1	22.7
Huntington-Ashland .....	3.8	3.7	3.7	30.7	31.4	31.4	21.3	20.9	20.9
Parkersburg-Marietta .....	2.4	2.4	2.5	17.0	17.3	17.5	10.6	10.6	10.7
Wheeling .....	2.9	2.8	2.8	20.6	21.6	22.1	10.0	9.7	9.8
<b>Wisconsin</b> .....	135.4	135.3	136.0	622.7	634.7	639.2	390.1	385.1	384.2
Appleton-Oshkosh-Neenah .....	9.3	9.6	9.6	40.1	40.9	41.4	21.7	22.4	22.1
Eau Claire .....	2.3	2.4	2.5	16.6	16.5	16.7	12.5	12.2	12.6
Green Bay .....	9.1	9.8	9.8	29.9	30.5	31.0	15.9	15.8	15.9
Janesville-Beloit .....	1.9	2.0	2.0	16.0	15.5	15.6	8.4	8.6	8.6
Kenosha .....	1.6	1.5	1.5	11.2	11.4	11.4	7.2	7.4	7.4
La Crosse .....	2.3	2.3	2.3	18.1	17.6	17.8	9.9	10.0	9.9
Madison .....	20.7	20.5	20.7	60.6	62.7	62.9	70.6	70.4	70.8
Milwaukee-Waukesha .....	56.1	56.1	56.4	237.1	239.1	240.1	91.0	88.6	88.2
Racine .....	2.2	2.1	2.1	20.5	21.2	21.5	9.3	9.5	9.3
Sheboygan .....	2.0	1.9	1.9	10.3	11.6	11.8	6.3	6.4	6.3
Wausau .....	4.4	4.5	4.5	11.5	11.5	11.5	7.0	7.4	7.4
<b>Wyoming</b> .....	7.8	8.0	8.0	44.3	45.1	45.7	59.8	59.3	59.3
Casper .....	1.1	1.1	1.1	7.8	8.0	8.1	5.4	5.7	5.5
<b>Puerto Rico</b> .....	42.3	42.9	43.0	167.6	173.0	172.5	300.8	303.4	305.0
Caguas .....	1.6	1.7	1.7	10.3	10.4	10.6	16.0	16.4	16.5
Mayaguez .....	2.2	2.3	2.3	10.8	10.8	11.2	20.0	20.6	20.8
Ponce .....	2.1	2.2	2.2	14.0	14.8	14.8	24.5	24.3	24.6
San Juan-Bayamon .....	32.8	33.4	33.5	115.5	120.0	119.7	184.8	186.8	187.6
<b>Virgin Islands</b> .....	1.9	1.7	( <sup>2</sup> )	10.8	9.4	( <sup>2</sup> )	13.3	13.8	( <sup>2</sup> )

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

<sup>2</sup> Not available.

<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1995 benchmarks.



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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>o</sup>	May 1996 <sup>o</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>o</sup>	May 1996 <sup>o</sup>
<b>Total private</b> .....		34.5	34.3	34.2	34.2	34.3	-	-	-	-	-
<b>Goods-producing</b> .....		41.0	39.9	40.6	40.7	41.0	-	-	-	-	-
<b>Mining</b> .....		44.7	44.3	45.0	44.9	45.5	-	-	-	-	-
Metal mining .....	10	43.8	44.1	44.0	44.6	-	-	-	-	-	-
Iron ores .....	101	43.3	43.3	45.6	44.9	-	-	-	-	-	-
Copper ores .....	102	45.4	47.0	45.1	48.1	-	-	-	-	-	-
Coal mining .....	12	44.9	44.1	46.8	45.4	-	-	-	-	-	-
Bituminous coal and lignite mining .....	122	45.0	44.2	47.0	45.5	-	-	-	-	-	-
Oil and gas extraction .....	13	44.2	43.9	44.2	44.1	-	-	-	-	-	-
Crude petroleum and natural gas .....	131	42.0	43.2	41.2	41.6	-	-	-	-	-	-
Oil and gas field services .....	138	45.5	44.3	46.0	45.5	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	46.5	45.7	46.3	46.8	-	-	-	-	-	-
Crushed and broken stone .....	142	47.7	46.9	47.6	48.6	-	-	-	-	-	-
<b>Construction</b> .....		38.8	37.7	38.1	38.6	38.8	-	-	-	-	-
General building contractors .....	15	38.2	37.5	37.8	38.4	-	-	-	-	-	-
Residential building construction .....	152	36.8	36.6	36.1	36.9	-	-	-	-	-	-
Operative builders .....	153	39.0	39.2	40.1	40.6	-	-	-	-	-	-
Nonresidential building construction .....	154	39.6	38.3	39.5	39.8	-	-	-	-	-	-
Heavy construction, except building .....	16	42.5	40.7	41.5	42.4	-	-	-	-	-	-
Highway and street construction .....	161	43.3	40.5	41.1	42.9	-	-	-	-	-	-
Heavy construction, except highway .....	162	42.2	40.7	41.6	42.3	-	-	-	-	-	-
Special trade contractors .....	17	38.1	37.0	37.4	37.7	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	39.5	38.5	39.0	39.0	-	-	-	-	-	-
Painting and paper hanging .....	172	36.3	36.3	35.5	35.7	-	-	-	-	-	-
Electrical work .....	173	39.8	38.7	39.4	39.2	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	35.5	34.9	35.0	35.6	-	-	-	-	-	-
Carpentry and floor work .....	175	35.9	35.1	35.3	35.5	-	-	-	-	-	-
Roofing, siding, and sheet metal work .....	176	34.3	32.4	33.0	33.5	-	-	-	-	-	-
<b>Manufacturing</b> .....		41.6	40.4	41.3	41.2	41.6	4.4	3.6	4.1	4.2	4.3
<b>Durable goods</b> .....		42.4	41.0	42.0	42.0	42.5	4.7	3.7	4.4	4.5	4.7
Lumber and wood products .....	24	40.6	40.2	40.4	40.7	41.1	4.1	3.7	3.9	4.0	-
Logging .....	241	40.7	40.6	40.5	40.7	-	5.9	5.9	5.2	4.9	-
Sawmills and planing mills .....	242	41.5	41.1	41.6	41.4	-	4.7	4.4	4.8	4.7	-
Sawmills and planing mills, general .....	2421	42.0	41.8	42.0	41.9	-	5.2	5.0	5.2	5.1	-
Hardwood dimension and flooring mills .....	2426	39.5	38.6	40.1	39.4	-	3.0	2.4	3.1	3.1	-
Millwork, plywood, and structural members .....	243	40.5	40.1	40.2	41.1	-	3.8	3.4	3.5	4.1	-
Millwork .....	2431	39.9	39.2	39.8	40.9	-	2.8	2.3	2.7	3.4	-
Wood kitchen cabinets .....	2434	39.7	39.2	39.6	40.0	-	3.4	2.8	3.3	3.6	-
Hardwood veneer and plywood .....	2435	41.5	41.1	42.1	42.6	-	4.7	4.4	4.7	5.8	-
Softwood veneer and plywood .....	2436	43.8	44.7	42.4	42.7	-	6.0	6.1	5.7	5.7	-
Wood containers .....	244	38.8	38.2	38.7	38.6	-	3.2	2.8	3.3	3.2	-
Wood buildings and mobile homes .....	245	40.1	38.9	39.2	39.7	-	3.5	2.6	2.9	3.1	-
Mobile homes .....	2451	40.3	39.0	39.4	40.0	-	3.6	2.6	3.1	3.3	-
Miscellaneous wood products .....	249	40.3	40.0	40.0	40.4	-	3.3	3.0	3.1	3.3	-
Furniture and fixtures .....	25	39.6	37.7	39.0	38.7	39.1	3.0	2.0	2.7	2.8	-
Household furniture .....	251	38.7	36.9	38.7	38.3	-	2.5	1.6	2.5	2.5	-
Wood household furniture .....	2511	38.9	37.1	38.5	38.4	-	2.4	1.6	2.4	2.4	-
Upholstered household furniture .....	2512	38.0	36.5	38.2	37.5	-	2.2	1.3	2.2	2.2	-
Metal household furniture .....	2514	40.3	38.3	42.1	41.7	-	3.5	2.6	4.4	4.4	-
Mattresses and bedsprings .....	2515	38.5	36.4	37.4	37.5	-	2.8	1.6	2.1	2.6	-
Office furniture .....	252	40.4	37.5	38.6	38.5	-	3.3	2.1	2.2	2.5	-
Public building and related furniture .....	253	41.8	39.1	40.6	39.8	-	4.1	2.8	3.5	3.8	-
Partitions and fixtures .....	254	41.5	40.0	41.1	41.0	-	4.1	3.1	3.6	3.6	-
Miscellaneous furniture and fixtures .....	259	39.5	38.9	35.4	36.5	-	2.6	2.2	2.0	2.6	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Total private</b> .....		\$11.44	\$11.39	\$11.69	\$11.75	\$11.74	\$394.68	\$390.68	\$399.80	\$401.85	\$402.68
<b>Goods-producing</b> .....		13.04	12.94	13.17	13.36	13.38	534.64	516.31	534.70	543.75	548.58
<b>Mining</b> .....		15.30	15.29	15.51	15.58	15.51	683.91	677.35	697.95	699.54	705.71
Metal mining .....	10	16.78	16.98	17.17	17.35	-	734.96	748.82	755.48	773.81	-
Iron ores .....	101	18.49	19.66	18.60	19.58	-	800.62	851.28	848.16	879.14	-
Copper ores .....	102	14.93	14.97	15.42	15.58	-	677.82	703.59	695.44	749.40	-
Coal mining .....	12	18.44	18.34	18.73	18.70	-	827.96	808.79	876.56	848.98	-
Bituminous coal and lignite mining .....	122	18.68	18.58	18.98	18.97	-	840.60	821.24	892.06	863.14	-
Oil and gas extraction .....	13	14.51	14.54	14.62	14.79	-	641.34	638.31	646.20	652.24	-
Crude petroleum and natural gas .....	131	18.89	18.96	19.12	19.36	-	793.38	819.07	787.74	805.38	-
Oil and gas field services .....	138	12.04	11.84	12.20	12.31	-	547.82	524.51	561.20	560.11	-
Nonmetallic minerals, except fuels .....	14	13.42	13.26	13.59	13.66	-	624.03	605.98	629.22	639.29	-
Crushed and broken stone .....	142	12.66	12.37	12.84	12.94	-	603.88	580.15	611.18	628.88	-
<b>Construction</b> .....		15.08	14.92	15.13	15.19	15.28	585.10	562.48	576.45	586.33	592.86
General building contractors .....	15	14.33	14.21	14.57	14.56	-	547.41	532.88	550.75	559.10	-
Residential building construction .....	152	13.24	13.17	13.49	13.37	-	487.23	482.02	486.99	493.35	-
Operative builders .....	153	13.90	14.02	14.24	14.32	-	542.10	549.58	571.02	581.39	-
Nonresidential building construction .....	154	15.31	15.17	15.52	15.63	-	606.28	581.01	613.04	622.07	-
Heavy construction, except building .....	16	14.63	14.38	14.30	14.66	-	621.78	585.27	593.45	621.58	-
Highway and street construction .....	161	14.78	14.22	13.93	14.51	-	639.97	575.91	572.52	622.48	-
Heavy construction, except highway .....	162	14.57	14.44	14.43	14.73	-	614.85	587.71	600.29	623.08	-
Special trade contractors .....	17	15.46	15.32	15.53	15.54	-	589.03	566.84	580.82	585.86	-
Plumbing, heating, and air conditioning .....	171	15.77	15.64	16.00	15.90	-	622.92	602.14	624.00	620.10	-
Painting and paper hanging .....	172	14.12	14.03	14.08	14.17	-	512.56	509.29	499.84	505.87	-
Electrical work .....	173	16.78	16.64	16.82	16.89	-	667.84	643.97	662.71	662.09	-
Masonry, stonework, and plastering .....	174	15.34	15.18	15.52	15.50	-	544.57	529.78	543.20	551.80	-
Carpentry and floor work .....	175	14.93	14.86	15.07	15.24	-	535.99	521.59	531.97	541.02	-
Roofing, siding, and sheet metal work .....	176	13.33	13.17	13.30	13.14	-	457.22	426.71	438.90	440.19	-
<b>Manufacturing</b> .....		12.37	12.30	12.54	12.73	12.71	514.59	496.92	517.90	524.48	528.74
<b>Durable goods</b> .....		12.93	12.83	13.04	13.28	13.26	548.23	526.03	547.68	557.76	563.55
Lumber and wood products .....	24	10.12	9.97	10.29	10.34	10.37	410.87	400.79	415.72	420.84	426.21
Logging .....	241	11.66	11.44	11.71	11.65	-	474.56	464.46	474.26	474.16	-
Sawmills and planing mills .....	242	10.31	10.22	10.50	10.53	-	427.87	420.04	436.80	435.94	-
Sawmills and planing mills, general .....	2421	10.67	10.59	10.87	10.90	-	448.14	442.66	456.54	456.71	-
Hardwood dimension and flooring mills .....	2426	8.85	8.74	9.03	9.05	-	349.58	337.36	362.10	356.57	-
Millwork, plywood, and structural members .....	243	10.12	9.99	10.27	10.40	-	409.86	400.60	412.85	427.44	-
Millwork .....	2431	10.30	10.15	10.43	10.57	-	410.97	397.88	415.11	432.31	-
Wood kitchen cabinets .....	2434	9.52	9.40	9.80	9.96	-	377.94	368.48	388.08	398.40	-
Hardwood veneer and plywood .....	2435	8.86	8.77	9.01	9.11	-	367.69	360.45	379.32	388.09	-
Softwood veneer and plywood .....	2436	12.21	12.06	12.36	12.53	-	534.80	539.08	524.06	535.03	-
Wood containers .....	244	7.68	7.60	7.89	7.92	-	297.98	290.32	305.34	305.71	-
Wood buildings and mobile homes .....	245	10.12	9.91	10.42	10.51	-	405.81	385.50	408.46	417.25	-
Mobile homes .....	2451	10.26	10.06	10.60	10.68	-	413.48	392.34	417.64	427.20	-
Miscellaneous wood products .....	249	9.62	9.51	9.90	9.85	-	387.69	380.40	396.00	397.94	-
Furniture and fixtures .....	25	9.82	9.76	10.00	10.07	10.08	388.87	367.95	390.00	389.71	394.13
Household furniture .....	251	9.29	9.21	9.50	9.55	-	359.52	339.85	367.65	365.77	-
Wood household furniture .....	2511	8.79	8.71	9.11	9.10	-	341.93	323.14	350.74	349.44	-
Upholstered household furniture .....	2512	10.06	9.97	10.25	10.31	-	382.28	363.91	391.55	386.63	-
Metal household furniture .....	2514	8.95	8.91	9.06	9.12	-	360.69	341.25	381.43	380.30	-
Mattresses and bedspings .....	2515	9.77	9.71	9.82	10.09	-	376.15	353.44	367.27	378.38	-
Office furniture .....	252	10.53	10.48	10.82	10.88	-	425.41	393.00	417.65	418.88	-
Public building and related furniture .....	253	10.15	10.25	10.55	10.75	-	424.27	400.78	428.33	427.85	-
Partitions and fixtures .....	254	10.92	10.94	10.99	11.07	-	453.18	437.60	451.69	453.87	-
Miscellaneous furniture and fixtures .....	259	9.91	9.73	9.94	10.02	-	391.45	378.50	351.88	365.73	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	43.0	42.3	42.7	43.2	43.7	5.5	4.9	5.2	5.7	-
Flat glass .....	321	45.2	45.3	45.5	47.5	-	7.1	6.2	7.1	9.3	-
Glass and glassware, pressed or blown .....	322	43.2	44.2	43.2	43.2	-	4.6	4.9	4.4	5.1	-
Glass containers .....	3221	44.2	44.6	43.9	44.1	-	5.6	5.9	5.3	6.0	-
Pressed and blown glass, nec .....	3229	42.4	43.9	42.7	42.5	-	3.9	4.1	3.6	4.3	-
Products of purchased glass .....	323	41.9	40.2	41.3	40.9	-	4.1	2.8	3.4	3.4	-
Cement, hydraulic .....	324	44.2	44.2	45.6	44.8	-	5.1	5.5	5.9	5.6	-
Structural clay products .....	325	41.6	41.4	41.1	41.0	-	4.3	3.8	4.0	4.1	-
Pottery and related products .....	326	41.0	39.9	41.6	41.6	-	4.3	3.9	4.6	4.7	-
Concrete, gypsum, and plaster products .....	327	44.0	42.7	43.0	44.4	-	7.2	6.2	6.5	7.2	-
Concrete block and brick .....	3271	45.2	44.4	45.1	46.2	-	7.2	6.4	7.0	7.8	-
Concrete products, nec .....	3272	43.4	41.7	43.3	43.1	-	6.1	5.0	5.8	5.5	-
Ready-mixed concrete .....	3273	43.6	42.5	41.5	44.4	-	7.6	6.8	6.5	7.9	-
Misc. nonmetallic mineral products .....	329	42.7	42.2	42.8	43.1	-	4.6	4.1	4.8	4.6	-
Abrasive products .....	3291	41.7	40.7	40.9	41.1	-	3.3	3.1	3.7	3.8	-
Asbestos products .....	3292	41.7	37.3	43.7	42.7	-	3.8	.7	5.1	3.7	-
Primary metal industries .....	33	44.0	43.3	43.8	43.6	44.1	6.1	5.3	5.8	5.8	-
Blast furnaces and basic steel products .....	331	44.4	45.4	44.3	43.9	44.3	6.4	6.0	6.1	5.9	-
Blast furnaces and steel mills .....	3312	44.8	46.4	44.9	44.3	-	6.7	6.6	6.5	6.3	-
Steel pipe and tubes .....	3317	44.0	42.4	42.7	42.0	-	5.9	4.4	5.1	4.8	-
Iron and steel foundries .....	332	44.5	42.9	43.5	44.3	-	6.6	5.6	5.3	6.0	-
Gray and ductile iron foundries .....	3321	44.9	43.3	43.4	44.7	-	7.3	6.3	5.4	6.7	-
Malleable iron foundries .....	3322	46.1	45.4	43.7	47.4	-	7.9	7.3	4.8	6.9	-
Steel foundries, nec .....	3325	43.8	42.7	43.5	43.3	-	5.4	4.2	4.9	4.8	-
Primary nonferrous metals .....	333	43.0	42.9	43.8	42.7	-	5.6	5.6	5.9	5.4	-
Primary aluminum .....	3334	42.5	42.7	43.5	41.7	-	5.5	6.0	5.8	5.2	-
Nonferrous rolling and drawing .....	335	44.4	42.6	44.6	44.1	-	6.5	5.2	6.7	6.6	-
Copper rolling and drawing .....	3351	44.7	42.1	44.7	45.1	-	7.2	5.8	7.5	7.6	-
Aluminum sheet, plate, and foil .....	3353	46.8	46.5	46.9	46.0	-	7.6	6.8	7.4	7.7	-
Nonferrous wire drawing and insulating .....	3357	43.6	41.8	43.3	43.2	-	6.0	4.6	6.1	5.8	-
Nonferrous foundries (castings) .....	336	42.0	40.0	41.9	41.7	-	4.5	3.1	4.2	4.2	-
Aluminum foundries .....	3365	42.1	40.6	42.0	42.2	-	4.6	3.1	4.5	5.1	-
Fabricated metal products .....	34	42.3	40.3	41.9	41.8	42.3	4.7	3.4	4.3	4.4	-
Metal cans and shipping containers .....	341	42.5	41.8	41.9	41.3	-	5.8	5.2	5.3	5.4	-
Metal cans .....	3411	42.6	41.7	42.4	41.7	-	5.7	5.2	5.5	5.6	-
Cutlery, handtools, and hardware .....	342	42.0	39.3	41.6	41.7	-	4.0	2.5	3.2	3.5	-
Hand and edge tools, and blades and handsaws .....	3423,5	42.2	38.9	41.6	41.4	-	3.9	2.0	3.4	3.2	-
Hardware, nec .....	3429	41.7	39.3	41.1	41.8	-	4.0	2.8	2.8	3.6	-
Plumbing and heating, except electric .....	343	41.4	39.0	40.4	39.9	-	3.8	2.2	2.6	2.8	-
Plumbing fixture fittings and trim .....	3432	41.2	38.2	41.4	40.0	-	3.6	2.1	2.8	2.8	-
Heating equipment, except electric .....	3433	41.3	39.8	40.2	39.5	-	3.5	1.8	2.8	2.0	-
Fabricated structural metal products .....	344	42.0	40.1	41.8	41.6	-	4.6	3.2	4.2	4.2	-
Fabricated structural metal .....	3441	43.0	41.2	42.9	42.6	-	5.5	3.8	5.3	5.1	-
Metal doors, sash, and trim .....	3442	40.5	38.6	40.4	41.0	-	3.2	1.9	2.6	3.1	-
Fabricated plate work (boiler shops) .....	3443	43.2	40.5	43.3	42.8	-	5.5	3.5	5.4	5.3	-
Sheet metal work .....	3444	41.2	39.9	41.1	40.6	-	4.0	3.1	3.7	3.6	-
Architectural metal work .....	3446	41.3	39.9	40.5	41.0	-	4.0	3.2	3.1	3.5	-
Screw machine products, bolts, etc .....	345	43.2	41.5	43.1	42.7	-	5.3	4.1	5.0	4.7	-
Screw machine products .....	3451	42.7	41.3	42.2	41.9	-	5.1	4.2	4.4	4.1	-
Bolts, nuts, rivets, and washers .....	3452	43.9	41.8	44.1	43.6	-	5.6	4.0	5.6	5.4	-
Metal forgings and stampings .....	346	43.9	41.1	42.6	43.4	-	5.7	3.9	5.0	5.6	-
Iron and steel forgings .....	3462	43.1	39.8	43.2	43.0	-	5.2	3.1	5.2	4.9	-
Automotive stampings .....	3465	45.3	42.1	42.8	45.1	-	6.6	4.6	5.3	6.9	-
Metal stampings, nec .....	3469	42.1	40.2	41.7	41.3	-	4.3	3.0	4.1	3.9	-
Metal services, nec .....	347	41.0	39.7	41.3	40.9	-	4.3	3.4	4.3	4.1	-
Plating and polishing .....	3471	40.7	39.4	40.7	40.8	-	4.0	3.2	4.0	4.0	-
Metal coating and allied services .....	3479	41.6	40.2	42.3	41.2	-	4.7	3.7	4.7	4.2	-
Ordnance and accessories, nec .....	348	41.9	39.2	42.4	41.7	-	3.8	2.8	3.9	3.5	-
Ammunition, except for small arms, nec .....	3483	42.0	40.3	42.7	42.1	-	3.2	2.6	3.4	3.2	-
Misc. fabricated metal products .....	349	42.0	40.1	41.6	41.1	-	4.3	3.1	3.9	3.8	-
Valves and pipe fittings, nec .....	3494	42.3	40.3	41.5	41.2	-	4.5	3.2	3.6	3.6	-
Misc. fabricated wire products .....	3496	41.0	39.2	40.3	39.8	-	3.5	2.7	3.2	3.2	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	\$12.41	\$12.44	\$12.59	\$12.77	\$12.75	\$533.63	\$526.21	\$537.59	\$551.66	\$557.18
Flat glass .....	321	17.95	18.46	17.91	19.01	-	811.34	836.24	814.91	902.98	-
Glass and glassware, pressed or blown .....	322	14.11	14.28	14.15	14.49	-	609.55	631.18	611.28	625.97	-
Glass containers .....	3221	14.51	14.78	14.62	15.21	-	641.34	659.19	641.82	670.76	-
Pressed and blown glass, nec .....	3229	13.77	13.87	13.77	13.90	-	583.85	608.89	587.98	590.75	-
Products of purchased glass .....	323	10.92	10.83	11.15	11.22	-	457.55	435.37	460.50	458.90	-
Cement, hydraulic .....	324	16.34	16.70	16.60	16.81	-	722.23	738.14	756.96	753.09	-
Structural clay products .....	325	10.95	10.96	11.18	11.25	-	455.52	453.74	459.50	461.25	-
Pottery and related products .....	326	10.70	10.68	10.91	10.93	-	438.70	426.13	453.86	454.69	-
Concrete, gypsum, and plaster products .....	327	11.92	11.82	11.99	12.19	-	524.48	504.71	515.57	541.24	-
Concrete block and brick .....	3271	11.12	10.92	11.26	11.53	-	502.62	484.85	507.83	532.69	-
Concrete products, nec .....	3272	10.70	10.57	10.82	10.83	-	464.38	440.77	468.51	466.77	-
Ready-mixed concrete .....	3273	12.66	12.55	12.70	12.93	-	551.98	533.38	527.05	574.09	-
Misc. nonmetallic mineral products .....	329	12.79	12.81	13.19	13.29	-	546.13	504.58	564.53	572.80	-
Abrasive products .....	3291	11.16	11.13	11.73	11.81	-	465.37	452.99	479.76	485.39	-
Asbestos products .....	3292	15.41	15.06	15.63	15.59	-	642.60	561.74	683.03	665.69	-
Primary metal industries .....	33	14.62	14.76	14.74	14.96	14.71	643.28	639.11	645.61	652.26	648.71
Blast furnaces and basic steel products .....	331	17.35	17.49	17.61	17.85	17.33	770.34	794.05	780.12	783.62	767.72
Blast furnaces and steel mills .....	3312	18.73	18.86	19.06	19.40	-	839.10	875.10	855.79	859.42	-
Steel pipe and tubes .....	3317	13.68	13.52	13.76	13.72	-	601.92	573.25	587.55	576.24	-
Iron and steel foundries .....	332	13.42	13.53	13.30	13.61	-	597.19	580.44	578.55	602.92	-
Gray and ductile iron foundries .....	3321	14.20	14.44	14.05	14.44	-	637.58	625.25	609.77	645.47	-
Malleable iron foundries .....	3322	15.92	16.04	15.87	16.49	-	733.91	728.22	693.52	781.63	-
Steel foundries, nec .....	3325	12.09	11.93	12.32	12.28	-	529.54	509.41	535.92	531.72	-
Primary nonferrous metals .....	333	15.83	15.99	15.75	16.51	-	680.69	685.97	689.85	704.98	-
Primary aluminum .....	3334	15.75	16.09	15.35	16.71	-	669.38	687.04	667.73	696.81	-
Nonferrous rolling and drawing .....	335	13.66	13.71	13.81	14.03	-	606.50	584.05	615.93	618.72	-
Copper rolling and drawing .....	3351	13.56	13.65	13.96	13.93	-	606.13	574.67	624.01	628.24	-
Aluminum sheet, plate, and foil .....	3353	15.68	16.28	15.57	16.72	-	733.82	757.02	730.23	769.12	-
Nonferrous wire drawing and insulating .....	3357	13.82	13.68	13.96	14.00	-	602.55	571.82	604.47	604.80	-
Nonferrous foundries (castings) .....	336	11.48	11.51	11.58	11.57	-	482.16	460.40	485.20	482.47	-
Aluminum foundries .....	3365	10.82	10.66	10.99	11.04	-	455.52	432.80	461.58	465.89	-
Fabricated metal products .....	34	12.12	12.02	12.28	12.43	12.43	512.68	484.41	514.53	519.57	525.79
Metal cans and shipping containers .....	341	15.73	15.74	16.02	16.15	-	668.53	657.93	671.24	667.00	-
Metal cans .....	3411	16.74	16.86	16.90	17.06	-	713.12	703.06	716.56	711.40	-
Cutlery, handtools, and hardware .....	342	12.17	12.13	11.99	12.24	-	511.14	476.71	498.78	510.41	-
Hand and edge tools, and blades and handsaws ..	3423,5	11.30	11.14	11.40	11.52	-	476.86	433.35	474.24	476.93	-
Hardware, nec .....	3429	12.29	12.25	11.85	12.21	-	512.49	481.43	487.04	510.38	-
Plumbing and heating, except electric .....	343	10.76	10.56	10.90	11.13	-	445.46	411.84	440.36	444.09	-
Plumbing fixture fittings and trim .....	3432	10.16	9.99	10.35	10.61	-	418.59	381.62	428.49	424.40	-
Heating equipment, except electric .....	3433	10.95	10.57	11.06	11.08	-	452.24	420.69	444.61	437.66	-
Fabricated structural metal products .....	344	11.35	11.23	11.57	11.59	-	476.70	450.32	483.63	482.14	-
Fabricated structural metal .....	3441	11.29	11.08	11.54	11.59	-	485.47	456.50	495.07	493.73	-
Metal doors, sash, and trim .....	3442	9.65	9.61	9.74	9.79	-	390.83	370.95	393.50	401.39	-
Fabricated plate work (boiler shops) .....	3443	12.68	12.58	12.89	13.02	-	547.78	509.49	558.14	557.26	-
Sheet metal work .....	3444	11.60	11.48	11.80	11.76	-	477.92	458.05	484.98	477.46	-
Architectural metal work .....	3446	10.54	10.37	11.02	10.82	-	435.30	413.76	446.31	443.62	-
Screw machine products, bolts, etc .....	345	12.00	11.81	12.25	12.26	-	518.40	490.12	527.98	523.50	-
Screw machine products .....	3451	11.33	11.13	11.69	11.65	-	483.79	459.67	493.32	488.14	-
Bolts, nuts, rivets, and washers .....	3452	12.75	12.59	12.89	12.94	-	559.73	526.26	568.45	564.18	-
Metal forgings and stampings .....	346	14.23	14.18	14.28	14.70	-	624.70	582.80	608.33	637.98	-
Iron and steel forgings .....	3462	13.74	13.72	13.89	13.82	-	592.19	546.06	600.05	594.26	-
Automotive stampings .....	3465	16.16	16.30	16.12	16.83	-	732.05	686.23	689.94	759.03	-
Metal stampings, nec .....	3469	11.46	11.24	11.75	11.74	-	482.47	451.85	489.98	484.86	-
Metal services, nec .....	347	10.14	10.03	10.37	10.42	-	415.74	398.19	428.28	426.18	-
Plating and polishing .....	3471	10.05	9.93	10.36	10.31	-	409.04	391.24	421.65	420.65	-
Metal coating and allied services .....	3479	10.29	10.19	10.38	10.59	-	428.06	409.64	439.07	436.31	-
Ordnance and accessories, nec .....	348	13.91	13.90	14.30	14.31	-	582.83	544.88	606.32	596.73	-
Ammunition, except for small arms, nec .....	3483	14.65	14.66	15.13	15.45	-	615.30	590.80	646.05	650.45	-
Misc. fabricated metal products .....	349	11.45	11.35	11.75	11.84	-	480.90	455.14	488.80	486.62	-
Valves and pipe fittings, nec .....	3494	11.72	11.59	11.92	11.98	-	495.76	467.08	494.68	493.58	-
Misc. fabricated wire products .....	3496	10.19	10.18	10.32	10.44	-	417.79	399.06	415.90	415.51	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	43.4	41.8	43.3	42.7	43.0	5.1	3.9	5.0	4.7	-
Engines and turbines .....	351	44.3	42.2	41.9	41.7	-	4.6	3.1	3.6	3.5	-
Turbines and turbine generator sets .....	3511	40.4	39.2	40.3	39.9	-	3.4	2.6	3.7	3.6	-
Internal combustion engines, nec .....	3519	45.8	43.3	42.4	42.3	-	5.1	3.3	3.5	3.5	-
Farm and garden machinery .....	352	41.6	40.6	42.6	42.6	-	3.6	2.7	4.0	3.9	-
Farm machinery and equipment .....	3523	41.9	40.7	43.0	43.3	-	3.7	2.9	4.4	4.3	-
Construction and related machinery .....	353	44.0	42.0	44.1	43.5	-	5.4	4.2	5.3	4.9	-
Construction machinery .....	3531	43.4	42.1	44.6	43.8	-	5.0	4.2	5.6	5.0	-
Mining machinery .....	3532	43.2	40.7	42.1	40.9	-	5.0	3.0	4.2	3.7	-
Oil and gas field machinery .....	3533	46.6	43.2	47.6	47.2	-	7.1	5.2	7.4	7.0	-
Conveyors and conveying equipment .....	3535	43.3	41.1	42.0	41.8	-	5.8	4.2	4.4	4.3	-
Industrial trucks and tractors .....	3537	43.0	42.1	41.5	41.0	-	4.4	3.3	3.8	3.2	-
Metalworking machinery .....	354	44.0	42.5	43.7	43.0	-	6.3	5.1	5.9	5.4	-
Machine tools, metal cutting types .....	3541	45.2	43.2	45.0	44.0	-	6.6	5.1	6.3	5.6	-
Machine tools, metal forming types .....	3542	45.9	43.2	45.5	44.3	-	7.0	4.5	6.8	6.0	-
Special dies, tools, jigs, and fixtures .....	3544	44.1	42.9	43.7	43.1	-	6.7	5.7	6.5	6.0	-
Machine tool accessories .....	3545	43.9	42.6	43.7	43.0	-	5.4	4.4	5.0	4.7	-
Power driven handtools .....	3546	41.2	38.9	40.9	40.1	-	3.9	1.9	3.8	3.1	-
Special industry machinery .....	355	43.3	41.6	42.9	42.3	-	5.4	4.1	4.9	4.5	-
Textile machinery .....	3552	41.9	41.2	42.2	40.5	-	4.0	3.1	3.5	3.0	-
Printing trades machinery .....	3555	42.2	39.8	42.4	41.9	-	5.0	3.0	4.5	3.2	-
Food products machinery .....	3556	43.2	42.9	42.4	41.5	-	5.3	4.8	4.9	4.4	-
General industrial machinery .....	356	43.4	41.4	42.8	42.1	-	5.0	3.5	4.6	4.4	-
Pumps and pumping equipment .....	3561	43.0	40.9	42.8	41.7	-	4.8	2.9	4.8	4.4	-
Ball and roller bearings .....	3562	44.9	42.4	44.2	43.0	-	6.5	4.4	5.7	5.7	-
Air and gas compressors .....	3563	45.0	43.6	45.0	43.6	-	5.0	3.6	5.5	4.8	-
Blowers and fans .....	3564	42.4	39.8	41.9	41.5	-	3.9	2.2	3.2	2.9	-
Speed changers, drives, and gears .....	3566	43.2	40.2	43.5	42.5	-	6.1	4.6	5.1	5.1	-
Power transmission equipment, nec .....	3568	43.1	40.7	41.4	40.7	-	4.9	3.3	4.4	4.0	-
Computer and office equipment .....	357	43.0	42.7	43.4	42.0	-	3.6	3.2	3.8	2.9	-
Electronic computers .....	3571	44.4	44.7	44.7	42.6	-	3.9	3.6	3.8	2.3	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	41.5	40.6	41.1	40.0	-	3.7	3.0	3.8	3.6	-
Refrigeration and service machinery .....	358	42.8	40.4	43.9	43.7	-	4.7	3.0	4.9	5.3	-
Refrigeration and heating equipment .....	3585	43.2	40.6	44.6	44.4	-	4.9	3.4	5.4	5.9	-
Misc. industrial and commercial machinery .....	359	43.1	42.0	42.9	42.5	-	5.5	4.5	5.2	5.0	-
Carburetors, pistons, rings, valves .....	3592	44.7	41.9	42.3	42.1	-	5.9	4.5	5.1	5.3	-
Scales, balances, and industrial machinery, nec .....	3596,9	43.0	42.0	42.9	42.6	-	5.6	4.6	5.3	5.1	-
Electronic and other electrical equipment .....	36	41.6	40.3	41.4	40.7	41.4	4.0	3.0	3.7	3.5	-
Electric distribution equipment .....	361	41.3	40.1	40.9	40.1	-	3.5	2.3	3.4	3.0	-
Transformers, except electronic .....	3612	41.1	40.6	41.1	40.3	-	3.0	2.0	3.1	2.8	-
Switchgear and switchboard apparatus .....	3613	41.5	39.5	40.8	39.9	-	4.0	2.7	3.7	3.2	-
Electrical industrial apparatus .....	362	41.6	40.3	41.6	41.3	-	3.8	2.8	3.6	3.5	-
Motors and generators .....	3621	41.9	40.7	41.7	41.4	-	3.9	3.1	3.6	3.7	-
Relays and industrial controls .....	3625	40.6	38.9	40.9	40.6	-	3.6	2.0	3.4	3.1	-
Household appliances .....	363	40.6	38.7	41.0	39.8	-	2.7	1.7	2.7	2.7	-
Household refrigerators and freezers .....	3632	41.5	39.4	41.4	39.2	-	2.6	1.4	2.4	2.3	-
Household laundry equipment .....	3633	38.7	37.5	38.3	38.3	-	2.7	1.6	3.2	1.6	-
Electric housewares and fans .....	3634	40.5	38.2	40.1	39.0	-	2.7	1.4	1.9	2.2	-
Electric lighting and wiring equipment .....	364	41.3	39.7	41.0	41.0	-	3.5	2.2	3.2	3.5	-
Electric lamps .....	3641	44.6	42.9	43.2	43.2	-	4.2	3.0	3.6	3.4	-
Current-carrying wiring devices .....	3643	40.2	39.0	40.8	40.4	-	3.2	2.1	3.3	3.6	-
Noncurrent-carrying wiring devices .....	3644	41.9	40.3	41.6	42.0	-	2.6	1.4	2.6	2.8	-
Residential lighting fixtures .....	3645	39.8	37.3	38.4	38.0	-	2.2	1.3	2.0	2.0	-
Household audio and video equipment .....	365	40.7	39.8	40.6	40.5	-	4.8	3.9	4.4	4.2	-
Household audio and video equipment .....	3651	40.4	37.6	40.0	40.1	-	3.8	3.0	3.2	3.2	-
Communications equipment .....	366	42.8	40.8	43.2	42.4	-	3.3	2.3	3.5	3.1	-
Telephone and telegraph apparatus .....	3661	45.8	42.4	44.5	43.2	-	4.0	2.6	3.7	3.2	-
Electronic components and accessories .....	367	41.5	40.6	41.1	40.0	-	4.6	3.9	4.1	3.6	-
Electron tubes .....	3671	40.1	37.4	39.9	38.2	-	4.3	2.8	3.8	3.7	-
Semiconductors and related devices .....	3674	40.9	41.2	40.5	39.9	-	5.2	5.0	4.7	4.5	-
Electronic components, nec .....	3679	41.5	39.9	41.4	39.9	-	4.2	3.3	3.8	2.9	-
Misc. electrical equipment and supplies .....	369	42.6	40.8	41.9	41.6	-	4.8	3.1	4.3	4.5	-
Storage batteries .....	3691	43.5	39.1	42.0	39.7	-	5.8	3.2	3.7	3.3	-
Engine electrical equipment .....	3694	42.6	41.5	41.8	42.5	-	4.9	3.0	4.9	5.4	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	\$13.24	\$13.07	\$13.36	\$13.45	\$13.46	\$574.62	\$546.33	\$578.49	\$574.32	\$578.78
Engines and turbines .....	351	15.88	15.40	15.73	16.01	-	703.48	649.88	659.09	667.62	-
Turbines and turbine generator sets .....	3511	17.23	16.84	17.59	17.91	-	696.09	660.13	708.88	714.61	-
Internal combustion engines, nec .....	3519	15.43	14.90	15.11	15.40	-	706.69	645.17	640.66	651.42	-
Farm and garden machinery .....	352	12.80	12.76	12.88	13.25	-	532.48	518.06	548.69	564.45	-
Farm machinery and equipment .....	3523	13.70	13.79	13.90	14.37	-	574.03	561.25	597.70	622.22	-
Construction and related machinery .....	353	12.88	12.74	12.94	12.99	-	566.72	535.08	570.65	565.07	-
Construction machinery .....	3531	13.43	13.35	13.46	13.56	-	582.86	562.04	600.32	593.93	-
Mining machinery .....	3532	13.96	13.63	13.69	13.92	-	603.07	554.74	576.35	569.33	-
Oil and gas field machinery .....	3533	12.27	12.21	12.49	12.43	-	571.78	527.47	594.52	586.70	-
Conveyors and conveying equipment .....	3535	12.51	12.17	12.79	12.84	-	541.68	500.19	537.18	536.71	-
Industrial trucks and tractors .....	3537	11.89	11.68	12.01	11.82	-	511.27	491.73	498.42	484.62	-
Metalworking machinery .....	354	13.99	13.79	14.28	14.22	-	615.56	586.08	624.04	611.46	-
Machine tools, metal cutting types .....	3541	14.23	14.07	14.40	14.32	-	643.20	607.82	648.00	630.08	-
Machine tools, metal forming types .....	3542	14.28	14.00	14.68	14.57	-	655.45	604.80	667.94	645.45	-
Special dies, tools, jigs, and fixtures .....	3544	14.55	14.29	14.83	14.78	-	641.66	613.04	648.07	637.02	-
Machine tool accessories .....	3545	12.31	12.19	12.60	12.59	-	540.41	519.29	550.62	541.37	-
Power driven handtools .....	3546	11.64	11.37	12.09	12.07	-	479.57	442.29	494.48	484.01	-
Special industry machinery .....	355	13.64	13.39	13.93	13.95	-	590.61	557.02	597.60	590.09	-
Textile machinery .....	3552	11.78	11.62	11.93	11.95	-	493.58	478.74	503.45	483.98	-
Printing trades machinery .....	3555	15.33	14.92	15.40	15.33	-	646.93	593.82	652.96	642.33	-
Food products machinery .....	3556	13.39	13.12	13.74	13.77	-	578.45	562.85	582.58	571.46	-
General industrial machinery .....	356	12.95	12.75	13.11	13.27	-	562.03	527.85	561.11	558.67	-
Pumps and pumping equipment .....	3561	13.84	13.45	14.05	14.08	-	595.12	550.11	601.34	587.14	-
Ball and roller bearings .....	3562	14.12	14.07	13.86	14.36	-	633.99	596.57	612.61	617.48	-
Air and gas compressors .....	3563	13.21	12.75	13.51	13.60	-	594.45	555.90	607.95	592.96	-
Blowers and fans .....	3564	10.73	10.63	10.92	10.85	-	454.95	423.07	457.55	450.28	-
Speed changers, drives, and gears .....	3566	14.00	13.89	14.28	14.34	-	604.80	558.38	621.18	609.45	-
Power transmission equipment, nec .....	3568	12.62	12.33	12.84	12.81	-	543.92	501.83	531.58	521.37	-
Computer and office equipment .....	357	13.61	13.64	13.67	13.78	-	585.23	582.43	593.28	578.76	-
Electronic computers .....	3571	14.94	14.98	15.02	15.24	-	663.34	669.61	671.39	649.22	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	13.50	13.36	13.49	13.66	-	560.25	542.42	554.44	546.40	-
Refrigeration and service machinery .....	358	11.99	11.73	11.98	12.15	-	513.17	473.89	525.92	530.96	-
Refrigeration and heating equipment .....	3585	12.21	11.95	12.20	12.40	-	527.47	485.17	544.12	550.56	-
Misc. industrial and commercial machinery .....	359	12.81	12.65	12.98	13.06	-	552.11	531.30	556.84	555.05	-
Carburetors, pistons, rings, valves .....	3592	14.02	14.21	13.78	14.08	-	626.69	595.40	582.89	592.77	-
Scales, balances, and industrial machinery, nec .....	3596,9	12.52	12.34	12.74	12.82	-	538.36	518.28	546.55	546.13	-
Electronic and other electrical equipment .....	36	11.67	11.51	11.89	11.98	12.02	485.47	463.85	492.25	487.59	497.63
Electric distribution equipment .....	361	11.43	11.23	11.67	11.66	-	472.06	450.32	477.30	467.57	-
Transformers, except electronic .....	3612	10.65	10.49	10.93	10.99	-	437.72	425.89	449.22	442.90	-
Switchgear and switchboard apparatus .....	3613	12.24	12.04	12.47	12.38	-	507.96	475.58	508.78	493.96	-
Electrical industrial apparatus .....	362	11.06	10.95	11.31	11.34	-	460.10	441.29	470.50	468.34	-
Motors and generators .....	3621	10.40	10.33	10.66	10.68	-	435.76	420.43	444.52	442.15	-
Relays and industrial controls .....	3625	12.53	12.35	12.58	12.60	-	508.72	480.42	514.52	511.56	-
Household appliances .....	363	11.32	11.18	11.54	11.63	-	459.59	432.67	473.14	462.87	-
Household refrigerators and freezers .....	3632	12.13	11.92	12.68	12.75	-	503.40	469.65	524.95	499.80	-
Household laundry equipment .....	3633	13.75	13.95	13.65	13.56	-	532.13	523.13	522.80	519.35	-
Electric housewares and fans .....	3634	9.13	8.98	9.45	9.58	-	369.77	343.04	378.95	373.62	-
Electric lighting and wiring equipment .....	364	11.56	11.28	11.89	12.17	-	477.43	447.82	487.49	498.97	-
Electric lamps .....	3641	12.27	11.86	13.66	13.84	-	547.24	508.79	590.11	597.89	-
Current-carrying wiring devices .....	3643	11.52	11.09	11.86	12.10	-	463.10	432.51	483.89	488.84	-
Noncurrent-carrying wiring devices .....	3644	10.73	10.49	11.14	11.10	-	449.59	422.75	463.42	466.20	-
Residential lighting fixtures .....	3645	8.52	8.47	8.75	8.97	-	339.10	315.93	336.00	340.86	-
Household audio and video equipment .....	365	10.91	10.79	10.47	10.62	-	444.04	429.44	425.08	430.11	-
Household audio and video equipment .....	3651	11.28	11.24	10.82	10.84	-	455.71	422.62	432.80	434.68	-
Communications equipment .....	366	12.04	11.99	12.27	12.19	-	515.31	489.19	530.06	516.86	-
Telephone and telegraph apparatus .....	3661	13.32	13.40	13.56	13.49	-	610.06	568.16	603.42	582.77	-
Electronic components and accessories .....	367	11.49	11.37	11.92	11.99	-	476.84	461.62	489.91	479.60	-
Electron tubes .....	3671	13.45	13.74	13.48	13.60	-	539.35	513.88	537.85	519.52	-
Semiconductors and related devices .....	3674	14.59	14.32	15.57	15.67	-	596.73	589.98	630.59	625.23	-
Electronic components, nec .....	3679	9.80	9.79	9.90	9.93	-	406.70	390.62	409.86	396.21	-
Misc. electrical equipment and supplies .....	369	13.30	13.00	13.02	13.20	-	566.58	530.40	545.54	549.12	-
Storage batteries .....	3691	14.38	13.81	14.04	14.22	-	625.53	539.97	589.68	564.53	-
Engine electrical equipment .....	3694	13.99	13.64	13.43	13.69	-	595.97	566.06	561.37	581.83	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	43.8	42.2	42.3	44.1	44.4	5.8	4.3	4.9	5.9	-
Motor vehicles and equipment .....	371	44.9	43.0	42.3	45.5	45.8	6.6	4.9	5.1	6.8	-
Motor vehicles and car bodies .....	3711	45.7	44.2	41.8	45.9	-	7.1	5.8	5.2	6.8	-
Truck and bus bodies .....	3713	44.1	43.0	41.7	44.1	-	5.6	4.3	3.7	7.3	-
Motor vehicle parts and accessories .....	3714	44.8	42.4	42.8	45.9	-	6.7	4.5	5.3	7.2	-
Truck trailers .....	3715	42.3	41.1	40.1	38.3	-	4.6	4.7	2.6	2.4	-
Aircraft and parts .....	372	42.0	41.3	42.9	41.9	-	4.9	3.9	5.3	4.8	-
Aircraft .....	3721	40.5	40.6	41.3	40.2	-	4.2	3.4	4.1	3.5	-
Aircraft engines and engine parts .....	3724	44.5	42.1	45.3	44.3	-	5.9	4.0	6.4	5.9	-
Aircraft parts and equipment, nec .....	3728	42.5	41.9	43.4	42.6	-	5.3	4.5	6.0	5.8	-
Ship and boat building and repairing .....	373	41.6	40.0	42.3	41.9	-	3.9	2.9	4.6	4.2	-
Ship building and repairing .....	3731	42.5	40.2	43.8	42.9	-	4.4	2.7	5.6	4.9	-
Boat building and repairing .....	3732	40.1	39.6	40.1	40.3	-	3.2	3.3	3.1	3.0	-
Railroad equipment .....	374	44.6	43.2	43.7	44.1	-	4.9	3.7	4.5	4.6	-
Guided missiles, space vehicles, and parts .....	376	43.1	42.2	42.1	41.9	-	4.2	3.5	4.2	3.7	-
Guided missiles and space vehicles .....	3761	43.7	42.6	41.8	42.1	-	4.6	3.9	4.5	4.1	-
Misc. transportation equipment .....	379	39.2	37.7	40.4	39.9	-	2.4	1.9	2.8	2.8	-
Travel trailers and campers .....	3792	37.9	36.3	39.5	39.2	-	1.7	1.2	2.1	2.2	-
Instruments and related products .....	38	41.4	40.5	41.9	41.4	41.7	3.4	2.7	3.7	3.4	-
Search and navigation equipment .....	381	41.5	40.4	43.0	42.2	-	3.0	2.4	3.5	3.2	-
Measuring and controlling devices .....	382	41.9	40.9	42.4	41.7	-	3.2	2.3	3.5	3.1	-
Environmental controls .....	3822	41.4	39.3	43.4	42.0	-	3.3	1.8	3.8	3.2	-
Process control instruments .....	3823	42.4	41.0	42.3	41.8	-	3.1	2.0	3.8	3.3	-
Instruments to measure electricity .....	3825	41.8	41.9	42.1	41.8	-	2.7	2.1	2.9	2.6	-
Medical instruments and supplies .....	384	41.0	40.0	41.1	40.4	-	3.2	2.5	3.3	2.8	-
Surgical and medical instruments .....	3841	41.4	40.2	41.1	39.9	-	3.4	2.5	3.6	3.0	-
Surgical appliances and supplies .....	3842	40.1	39.3	40.4	40.6	-	3.0	2.5	3.1	2.9	-
Ophthalmic goods .....	385	38.7	37.7	40.3	40.2	-	1.8	1.6	2.2	2.1	-
Photographic equipment and supplies .....	386	43.0	43.2	42.9	43.7	-	6.7	6.0	7.9	8.2	-
Watches, clocks, watchcases, and parts .....	387	39.9	35.8	39.1	38.8	-	2.1	.8	1.8	1.9	-
Miscellaneous manufacturing industries .....	39	39.9	38.9	39.8	39.4	39.6	3.0	2.3	3.0	3.0	-
Jewelry, silverware, and plated ware .....	391	38.7	37.9	38.5	38.0	-	2.4	1.7	2.1	2.0	-
Jewelry, precious metal .....	3911	38.2	37.7	37.5	37.0	-	2.5	1.8	1.7	1.6	-
Musical instruments .....	393	41.7	40.6	42.6	40.7	-	3.5	2.5	3.9	3.5	-
Toys and sporting goods .....	394	40.1	39.6	39.9	39.7	-	3.2	2.9	2.9	3.1	-
Dolls, games, toys, and children's vehicles .....	3942,4	38.7	37.4	38.9	37.5	-	2.5	1.6	2.0	2.0	-
Sporting and athletic goods, nec .....	3949	40.8	40.7	40.4	40.7	-	3.6	3.4	3.4	3.6	-
Pens, pencils, office, and art supplies .....	395	40.3	39.2	39.0	38.1	-	2.6	1.8	2.2	2.1	-
Costume jewelry and notions .....	396	38.5	37.2	38.4	38.0	-	2.1	1.5	2.4	2.5	-
Costume jewelry .....	3961	38.0	36.5	38.2	37.2	-	1.7	1.2	2.3	2.4	-
Miscellaneous manufactures .....	399	40.0	38.8	40.3	40.0	-	3.2	2.3	3.5	3.4	-
Signs and advertising specialties .....	3993	41.1	41.0	40.5	40.5	-	3.7	3.3	3.7	3.8	-
<b>Nondurable goods .....</b>		<b>40.5</b>	<b>39.6</b>	<b>40.3</b>	<b>40.0</b>	<b>40.4</b>	<b>4.0</b>	<b>3.4</b>	<b>3.8</b>	<b>3.8</b>	<b>3.8</b>
Food and kindred products .....	20	41.1	39.8	40.5	40.2	40.6	4.8	3.9	4.2	4.2	-
Meat products .....	201	40.6	39.3	39.5	39.1	-	4.5	3.6	3.6	3.4	-
Meat packing plants .....	2011	43.3	41.6	41.6	40.7	-	5.6	4.4	4.5	3.8	-
Sausages and other prepared meats .....	2013	41.6	40.4	41.8	41.4	-	5.3	4.4	5.2	5.0	-
Poultry slaughtering and processing .....	2015	38.8	37.5	37.5	37.4	-	3.6	2.9	2.5	2.6	-
Dairy products .....	202	42.4	42.2	42.1	41.7	-	5.1	5.0	5.0	4.8	-
Cheese, natural and processed .....	2022	41.2	40.2	41.7	40.7	-	4.6	3.6	4.7	4.1	-
Fluid milk .....	2026	42.6	43.0	41.7	41.4	-	4.9	5.1	4.4	4.4	-
Preserved fruits and vegetables .....	203	40.4	38.2	40.3	40.3	-	4.6	3.0	3.6	4.1	-
Canned specialties .....	2032	42.0	40.2	41.5	40.5	-	4.5	3.8	3.8	4.1	-
Canned fruits and vegetables .....	2033	40.5	37.8	39.6	39.3	-	5.1	2.4	3.1	3.2	-
Frozen fruits and vegetables .....	2037	40.0	38.9	37.5	39.3	-	4.3	3.2	2.1	3.6	-
Grain mill products .....	204	45.1	43.5	43.9	44.1	-	7.2	5.9	6.2	6.6	-
Flour and other grain mill products .....	2041	45.1	42.7	44.7	44.7	-	6.9	4.8	6.0	6.3	-
Prepared feeds, nec .....	2048	44.1	43.9	43.2	43.6	-	6.8	6.3	6.4	6.5	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$16.75	\$16.56	\$16.68	\$17.25	\$17.25	\$733.65	\$698.83	\$705.56	\$760.73	\$765.90
Motor vehicles and equipment .....	371	17.36	17.13	17.11	17.95	17.94	779.46	736.59	723.75	816.73	821.65
Motor vehicles and car bodies .....	3711	20.57	20.51	20.44	20.97	-	940.05	906.54	854.39	962.52	-
Truck and bus bodies .....	3713	14.43	14.42	13.83	14.90	-	636.36	620.06	576.71	657.09	-
Motor vehicle parts and accessories .....	3714	16.18	15.86	15.88	16.67	-	724.86	672.46	679.66	765.15	-
Truck trailers .....	3715	10.45	10.08	10.75	10.87	-	442.04	414.29	431.08	416.32	-
Aircraft and parts .....	372	17.97	17.90	18.40	18.34	-	754.74	739.27	789.36	768.45	-
Aircraft .....	3721	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	-	-	-	-	-	-
Aircraft engines and engine parts .....	3724	\$17.13	\$16.71	\$17.62	\$17.86	-	\$762.29	\$703.49	\$798.19	\$791.20	-
Aircraft parts and equipment, nec .....	3728	15.91	16.09	16.26	16.19	-	676.18	674.17	705.68	689.69	-
Ship and boat building and repairing .....	373	12.65	12.37	12.84	12.78	-	526.24	494.80	543.13	535.48	-
Ship building and repairing .....	3731	14.09	13.89	14.33	14.25	-	598.83	558.38	627.65	611.33	-
Boat building and repairing .....	3732	10.03	9.87	10.32	10.33	-	402.20	390.85	413.83	416.30	-
Railroad equipment .....	374	15.07	15.03	15.60	15.98	-	672.12	649.30	681.72	704.72	-
Guided missiles, space vehicles, and parts .....	376	17.75	17.52	18.27	18.31	-	765.03	739.34	769.17	767.19	-
Guided missiles and space vehicles .....	3761	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	-	-	-	-	-	-
Misc. transportation equipment .....	379	\$11.12	\$11.05	\$11.56	\$11.66	-	\$435.90	\$416.59	\$467.02	\$465.23	-
Travel trailers and campers .....	3792	10.98	10.77	12.00	12.02	-	416.14	390.95	474.00	471.18	-
Instruments and related products .....	38	12.71	12.67	12.97	13.02	12.98	526.19	513.14	543.44	539.03	541.27
Search and navigation equipment .....	381	16.38	16.29	16.47	16.63	-	679.77	658.12	708.21	701.79	-
Measuring and controlling devices .....	382	12.56	12.58	12.86	12.90	-	526.26	514.52	545.26	537.93	-
Environmental controls .....	3822	11.24	11.10	11.65	11.73	-	465.34	436.23	505.61	492.66	-
Process control instruments .....	3823	12.07	12.11	12.54	12.53	-	511.77	496.51	530.44	523.75	-
Instruments to measure electricity .....	3825	14.14	14.23	14.58	14.54	-	591.05	596.24	613.82	607.77	-
Medical instruments and supplies .....	384	11.58	11.47	11.97	12.02	-	474.78	458.80	491.97	485.61	-
Surgical and medical instruments .....	3841	11.15	11.05	11.62	11.67	-	461.61	444.21	477.58	465.63	-
Surgical appliances and supplies .....	3842	10.84	10.73	11.02	11.08	-	434.68	421.69	445.21	449.85	-
Ophthalmic goods .....	385	9.59	9.63	9.29	9.42	-	371.13	363.05	374.39	378.68	-
Photographic equipment and supplies .....	386	15.37	15.24	15.58	15.63	-	660.91	658.37	668.38	683.03	-
Watches, clocks, watchcases, and parts .....	387	8.90	8.91	9.56	9.61	-	355.11	318.98	373.80	372.87	-
Miscellaneous manufacturing industries .....	39	10.06	9.98	10.25	10.35	10.38	401.39	388.22	407.95	407.79	411.05
Jewelry, silverware, and plated ware .....	391	10.22	10.16	10.49	10.56	-	395.51	385.06	403.87	401.28	-
Jewelry, precious metal .....	3911	10.21	10.12	10.56	10.66	-	390.02	381.52	396.00	394.42	-
Musical instruments .....	393	10.18	9.84	10.61	10.59	-	424.51	399.50	451.99	431.01	-
Toys and sporting goods .....	394	9.48	9.46	9.64	9.72	-	380.15	374.62	384.64	385.88	-
Dolls, games, toys, and children's vehicles .....	3942,4	9.16	9.32	9.29	9.36	-	354.49	348.57	361.38	351.00	-
Sporting and athletic goods, nec .....	3949	9.63	9.52	9.80	9.88	-	392.90	387.46	395.92	402.12	-
Pens, pencils, office, and art supplies .....	395	11.07	11.15	10.88	10.95	-	446.12	437.08	424.32	417.20	-
Costume jewelry and notions .....	396	8.65	8.51	9.11	9.24	-	333.03	316.57	349.82	351.12	-
Costume jewelry .....	3961	7.43	7.30	7.99	8.22	-	282.34	266.45	305.22	305.78	-
Miscellaneous manufactures .....	399	10.48	10.39	10.67	10.80	-	419.20	403.13	430.00	432.00	-
Signs and advertising specialties .....	3993	10.91	10.81	11.02	11.16	-	448.40	443.21	446.31	451.98	-
<b>Nondurable goods .....</b>		<b>11.58</b>	<b>11.56</b>	<b>11.83</b>	<b>11.94</b>	<b>11.90</b>	<b>468.99</b>	<b>457.78</b>	<b>476.75</b>	<b>477.60</b>	<b>480.76</b>
Food and kindred products .....	20	10.94	10.92	11.11	11.21	11.22	449.63	434.62	449.96	450.64	455.53
Meat products .....	201	8.97	8.87	9.00	9.05	-	364.18	348.59	355.50	353.86	-
Meat packing plants .....	2011	9.60	9.51	9.67	9.69	-	415.68	395.62	402.27	394.38	-
Sausages and other prepared meats .....	2013	10.41	10.34	10.35	10.38	-	433.06	417.74	432.63	429.73	-
Poultry slaughtering and processing .....	2015	8.03	7.91	8.08	8.15	-	311.56	296.63	303.00	304.81	-
Dairy products .....	202	12.35	12.27	12.63	12.61	-	523.64	517.79	531.72	525.84	-
Cheese, natural and processed .....	2022	11.17	11.05	11.42	11.43	-	460.20	444.21	476.21	465.20	-
Fluid milk .....	2026	13.02	12.95	13.34	13.28	-	554.65	556.85	556.28	549.79	-
Preserved fruits and vegetables .....	203	10.49	10.54	10.78	10.87	-	423.80	402.63	434.43	438.06	-
Canned specialties .....	2032	13.91	13.78	14.06	13.97	-	584.22	553.96	583.49	565.79	-
Canned fruits and vegetables .....	2033	10.98	11.18	11.66	11.76	-	444.69	422.60	461.74	462.17	-
Frozen fruits and vegetables .....	2037	9.62	9.73	10.30	10.39	-	384.80	378.50	386.25	408.33	-
Grain mill products .....	204	13.62	13.42	13.63	13.67	-	614.26	583.77	598.36	602.85	-
Flour and other grain mill products .....	2041	11.70	11.16	11.99	11.97	-	527.67	476.53	535.95	535.06	-
Prepared feeds, nec .....	2048	10.94	11.01	10.95	11.08	-	482.45	483.34	473.04	483.09	-

See footnotes at end of table.



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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	39.8	39.0	39.8	39.8	-	4.4	3.9	4.5	4.4	-
Bread, cake, and related products .....	2051	39.9	39.9	39.9	39.9	-	4.7	4.6	4.9	4.8	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	39.7	37.3	39.7	39.5	-	3.8	2.5	3.6	3.7	-
Sugar and confectionery products .....	206	40.7	37.9	39.9	39.1	-	4.0	2.3	3.5	3.5	-
Raw cane sugar .....	2061	48.6	39.3	45.0	38.4	-	10.0	2.3	9.3	3.5	-
Cane sugar refining .....	2062	46.6	44.6	45.8	46.7	-	7.7	5.4	11.4	12.4	-
Beet sugar .....	2063	41.4	40.9	41.0	41.1	-	4.0	3.3	2.6	4.1	-
Candy and other confectionery products .....	2064	39.4	36.2	38.7	38.1	-	3.4	1.7	2.6	3.0	-
Fats and oils .....	207	44.5	43.9	45.9	45.0	-	6.8	6.4	6.9	7.2	-
Beverages .....	208	42.3	42.1	42.7	42.4	-	5.1	5.3	5.1	5.0	-
Malt beverages .....	2082	46.2	46.2	47.3	47.4	-	7.6	8.7	7.5	7.2	-
Bottled and canned soft drinks .....	2086	41.2	41.4	41.5	41.6	-	4.6	4.8	4.6	4.7	-
Misc. food and kindred products .....	209	40.1	38.8	39.4	38.5	-	4.7	3.6	4.2	3.7	-
Tobacco products .....	21	39.6	38.4	39.5	39.4	39.7	4.7	3.5	5.3	5.6	-
Cigarettes .....	211	40.1	39.0	40.5	40.9	-	6.0	4.4	6.9	7.3	-
Textile mill products .....	22	40.8	39.9	40.7	40.1	40.8	4.2	3.5	4.0	4.1	-
Broadwoven fabric mills, cotton .....	221	42.1	42.1	41.9	41.4	-	5.9	5.7	5.5	5.9	-
Broadwoven fabric mills, synthetics .....	222	40.8	40.6	40.8	40.2	-	4.1	3.6	4.1	4.1	-
Broadwoven fabric mills, wool .....	223	40.8	40.4	43.5	41.9	-	4.5	3.6	6.5	5.8	-
Narrow fabric mills .....	224	39.3	38.1	38.9	38.6	-	3.1	2.2	2.3	2.3	-
Knitting mills .....	225	39.5	38.1	38.7	38.1	-	3.2	2.5	2.9	2.8	-
Women's hosiery, except socks .....	2251	39.6	36.8	39.3	37.4	-	3.2	2.0	2.3	1.9	-
Hosiery, nec .....	2252	37.5	35.6	37.0	35.9	-	2.7	1.6	2.6	2.4	-
Knit outerwear mills .....	2253	40.1	38.8	39.7	40.0	-	3.2	2.5	2.9	3.1	-
Knit underwear mills .....	2254	37.7	39.3	36.1	34.6	-	2.2	2.2	1.9	1.2	-
Weft knit fabric mills .....	2257	41.0	39.5	40.5	39.9	-	4.3	4.0	5.1	4.8	-
Textile finishing, except wool .....	226	41.5	39.9	42.8	42.3	-	4.6	3.6	4.9	5.5	-
Finishing plants, cotton .....	2261	42.2	40.6	43.5	43.7	-	4.8	3.9	5.0	6.4	-
Finishing plants, synthetics .....	2262	40.3	38.0	41.9	39.7	-	4.3	2.7	4.9	4.2	-
Carpets and rugs .....	227	42.2	40.0	42.1	41.9	-	5.0	3.7	5.0	4.9	-
Yarn and thread mills .....	228	40.6	40.6	40.6	40.0	-	4.1	3.9	3.8	3.9	-
Yarn spinning mills .....	2281	40.9	41.2	41.5	40.7	-	4.4	4.3	4.1	4.2	-
Throwing and winding mills .....	2282	38.4	38.2	36.9	37.4	-	3.0	2.4	2.8	2.9	-
Miscellaneous textile goods .....	229	41.8	42.2	41.6	40.9	-	4.4	3.9	4.0	3.8	-
Apparel and other textile products .....	23	37.0	35.6	37.0	36.5	37.4	1.8	1.3	1.9	1.8	-
Men's and boys' suits and coats .....	231	36.2	34.3	35.7	35.5	-	1.2	.7	.9	.8	-
Men's and boys' furnishings .....	232	36.5	35.5	36.3	35.4	-	1.4	1.0	1.2	1.2	-
Men's and boys' shirts .....	2321	35.8	35.3	35.7	34.9	-	1.3	.9	1.2	1.3	-
Men's and boys' trousers and slacks .....	2325	36.6	35.6	35.2	35.0	-	1.3	1.0	.7	.8	-
Men's and boys' work clothing .....	2326	36.4	34.4	36.9	35.3	-	1.3	.9	1.3	1.1	-
Women's and misses' outerwear .....	233	35.9	34.4	36.1	35.5	-	1.7	1.4	1.8	1.5	-
Women's and misses' blouses and shirts .....	2331	35.5	35.4	35.0	33.7	-	1.0	.9	1.2	.7	-
Women's, juniors', and misses' dresses .....	2335	35.7	34.2	37.2	37.7	-	1.9	1.8	2.2	2.1	-
Women's and misses' suits and coats .....	2337	35.2	33.1	35.0	34.8	-	1.7	.9	1.6	1.6	-
Women's and misses' outerwear, nec .....	2339	36.1	34.5	36.2	35.4	-	1.8	1.5	1.8	1.5	-
Women's and children's undergarments .....	234	36.9	35.7	36.2	35.0	-	1.4	.7	1.3	1.4	-
Women's and children's underwear .....	2341	36.7	35.4	36.0	34.4	-	1.3	.6	1.2	1.0	-
Brassieres, girdles, and allied garments .....	2342	37.5	36.7	36.8	37.1	-	2.0	.9	1.8	2.9	-
Girls' and children's outerwear .....	236	37.1	34.0	36.9	36.2	-	2.0	1.1	2.1	1.9	-
Girls' and children's dresses and blouses .....	2361	36.4	33.5	35.7	35.3	-	2.1	1.4	2.3	1.8	-
Misc. apparel and accessories .....	238	37.2	36.1	38.3	38.0	-	1.5	1.2	1.7	1.5	-
Misc. fabricated textile products .....	239	38.8	37.5	38.9	38.9	-	2.8	1.9	3.0	3.0	-
Curtains and draperies .....	2391	37.6	36.6	38.0	37.7	-	1.7	.8	1.6	1.8	-
House furnishings, nec .....	2392	38.3	36.4	38.6	37.8	-	2.8	1.6	2.9	2.6	-
Automotive and apparel trimmings .....	2396	39.9	38.5	39.7	40.2	-	3.0	1.8	3.2	3.3	-
Paper and allied products .....	26	43.1	42.3	42.8	42.8	43.1	5.2	4.7	5.0	5.4	-
Paper mills .....	262	45.3	46.1	44.8	45.4	-	6.3	6.8	5.9	6.7	-
Paperboard mills .....	263	45.4	45.2	45.0	45.3	-	7.6	8.1	7.5	8.0	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
<b>Food and kindred products—Continued</b>											
Bakery products .....	205	\$11.87	\$11.87	\$12.06	\$12.26	-	\$472.43	\$462.93	\$479.99	\$487.95	-
Bread, cake, and related products .....	2051	11.93	11.83	12.28	12.42	-	476.01	472.02	489.97	495.56	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	11.77	11.96	11.66	11.96	-	467.27	446.11	462.90	472.42	-
Sugar and confectionery products .....	206	11.83	12.00	12.15	12.57	-	481.48	454.80	484.79	491.49	-
Raw cane sugar .....	2061	11.42	11.46	11.86	11.68	-	555.01	450.38	533.70	448.51	-
Cane sugar refining .....	2062	16.41	16.11	17.66	18.03	-	764.71	718.51	808.83	842.00	-
Beet sugar .....	2063	12.72	13.32	13.48	14.03	-	526.61	544.79	552.68	576.63	-
Candy and other confectionery products .....	2064	10.72	10.89	10.88	11.41	-	422.37	394.22	421.06	434.72	-
Fats and oils .....	207	11.63	11.60	11.84	11.92	-	517.54	509.24	543.46	536.40	-
Beverages .....	208	15.48	15.64	15.60	15.61	-	654.80	658.44	666.12	661.86	-
Malt beverages .....	2082	21.09	21.73	21.30	21.20	-	974.36	1,003.93	1,007.49	1,004.88	-
Bottled and canned soft drinks .....	2086	12.53	12.45	12.65	12.81	-	516.24	515.43	524.98	532.90	-
Misc. food and kindred products .....	209	9.88	9.80	10.10	10.18	-	396.19	380.24	397.94	391.93	-
Tobacco products .....	21	19.48	19.98	19.55	20.55	\$21.19	771.41	767.23	772.23	809.67	\$841.24
Cigarettes .....	211	24.46	23.97	24.22	24.59	-	980.85	934.83	980.91	1,005.73	-
Textile mill products .....	22	9.41	9.35	9.55	9.65	9.60	383.93	373.07	388.69	386.97	391.68
Broadwoven fabric mills, cotton .....	221	9.87	9.85	9.97	10.13	-	415.53	414.69	417.74	419.38	-
Broadwoven fabric mills, synthetics .....	222	10.37	10.31	10.49	10.61	-	423.10	418.59	427.99	426.52	-
Broadwoven fabric mills, wool .....	223	9.84	9.91	9.97	9.97	-	401.47	400.36	433.70	417.74	-
Narrow fabric mills .....	224	8.74	8.69	8.93	9.06	-	343.48	331.09	347.38	349.72	-
Knitting mills .....	225	8.63	8.59	8.75	8.82	-	340.89	327.28	338.63	336.04	-
Women's hosiery, except socks .....	2251	8.10	8.08	8.08	8.07	-	320.76	297.34	317.54	301.82	-
Hosiery, nec .....	2252	8.33	8.20	8.64	8.76	-	312.38	291.92	319.68	314.48	-
Knit outerwear mills .....	2253	8.10	8.13	8.24	8.26	-	324.81	315.44	327.13	330.40	-
Knit underwear mills .....	2254	8.84	8.74	8.93	8.77	-	333.27	343.48	322.37	303.44	-
Weft knit fabric mills .....	2257	9.62	9.63	9.59	9.67	-	394.42	380.39	388.40	385.83	-
Textile finishing, except wool .....	226	9.53	9.40	9.72	9.84	-	395.50	375.06	416.02	416.23	-
Finishing plants, cotton .....	2261	9.28	9.07	9.63	9.69	-	391.62	368.24	418.91	423.45	-
Finishing plants, synthetics .....	2262	9.99	9.92	10.20	10.40	-	402.60	376.96	427.38	412.88	-
Carpets and rugs .....	227	9.38	9.26	9.56	9.59	-	395.84	370.40	402.48	401.82	-
Yarn and thread mills .....	228	9.18	9.10	9.34	9.46	-	372.71	369.46	379.20	378.40	-
Yarn spinning mills .....	2281	9.14	9.05	9.34	9.45	-	373.83	372.86	387.61	384.62	-
Throwing and winding mills .....	2282	9.48	9.42	9.49	9.73	-	364.03	359.84	350.18	363.90	-
Miscellaneous textile goods .....	229	10.75	10.73	10.84	11.01	-	449.35	452.81	450.94	450.31	-
Apparel and other textile products .....	23	7.64	7.62	7.85	7.93	7.94	282.68	271.27	290.45	289.45	296.96
Men's and boys' suits and coats .....	231	8.11	8.36	8.16	8.23	-	293.58	286.75	291.31	292.17	-
Men's and boys' furnishings .....	232	7.20	7.26	7.34	7.41	-	262.80	257.73	266.44	262.31	-
Men's and boys' shirts .....	2321	7.06	7.03	7.16	7.22	-	252.75	248.16	255.61	251.98	-
Men's and boys' trousers and slacks .....	2325	7.13	7.21	7.33	7.43	-	260.96	256.68	258.02	260.05	-
Men's and boys' work clothing .....	2326	7.10	7.20	7.28	7.40	-	258.44	247.68	268.63	261.22	-
Women's and misses' outerwear .....	233	7.27	7.21	7.49	7.44	-	260.99	248.02	270.39	264.12	-
Women's and misses' blouses and shirts .....	2331	6.53	6.46	6.49	6.50	-	231.82	228.68	227.15	219.05	-
Women's, juniors', and misses' dresses .....	2335	7.94	7.97	8.31	8.28	-	283.46	272.57	309.13	312.16	-
Women's and misses' suits and coats .....	2337	7.88	7.84	8.04	7.92	-	277.38	259.50	281.40	275.62	-
Women's and misses' outerwear, nec .....	2339	7.13	7.06	7.32	7.26	-	257.39	243.57	264.98	257.00	-
Women's and children's undergarments .....	234	7.24	7.19	7.49	7.56	-	267.16	256.68	271.14	264.60	-
Women's and children's underwear .....	2341	7.01	6.96	7.30	7.35	-	257.27	246.38	262.80	252.84	-
Brassieres, girdles, and allied garments .....	2342	8.08	8.07	8.12	8.21	-	303.00	296.17	298.82	304.59	-
Girls' and children's outerwear .....	236	6.85	6.87	7.02	7.07	-	254.14	233.58	259.04	255.93	-
Girls' and children's dresses and blouses .....	2361	6.63	6.72	7.05	6.97	-	241.33	225.12	251.69	246.04	-
Misc. apparel and accessories .....	238	7.16	7.19	7.30	7.35	-	266.35	259.56	279.59	279.30	-
Misc. fabricated textile products .....	239	8.78	8.69	9.03	9.24	-	340.66	325.88	351.27	359.44	-
Curtains and draperies .....	2391	7.48	7.37	7.61	7.72	-	281.25	269.74	289.18	291.04	-
House furnishings, nec .....	2392	8.08	8.00	8.27	8.37	-	309.46	291.20	319.22	316.39	-
Automotive and apparel trimmings .....	2396	11.08	10.93	11.48	12.07	-	442.09	420.81	455.76	485.21	-
Paper and allied products .....	26	14.23	14.26	14.45	14.63	14.63	613.31	603.20	618.46	626.16	630.55
Paper mills .....	262	17.86	17.78	18.09	18.29	-	809.06	819.66	810.43	830.37	-
Paperboard mills .....	263	17.93	18.12	18.30	18.76	-	814.02	819.02	823.50	849.83	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	42.6	40.4	42.4	42.4	-	4.8	3.5	4.7	5.1	-
Corrugated and solid fiber boxes .....	2653	43.1	40.6	42.6	42.9	-	5.2	3.9	4.8	5.4	-
Sanitary food containers .....	2656	41.0	39.1	42.2	42.6	-	4.1	2.8	4.8	5.3	-
Folding paperboard boxes .....	2657	42.6	40.8	42.9	42.2	-	4.8	3.4	5.2	5.2	-
Misc. converted paper products .....	267	41.5	40.5	41.3	40.8	-	4.2	3.4	3.9	4.0	-
Paper, coated and laminated, nec .....	2672	42.1	42.4	42.3	42.2	-	3.7	3.0	3.3	3.4	-
Bags: plastics, laminated, and coated .....	2673	41.5	40.4	41.8	40.7	-	4.7	4.2	4.9	4.6	-
Envelopes .....	2677	41.0	39.4	40.9	41.2	-	3.4	2.5	3.1	3.4	-
Printing and publishing .....	27	38.2	37.8	38.2	37.9	37.9	3.1	2.7	3.1	2.9	-
Newspapers .....	271	32.8	32.8	32.5	32.7	-	1.3	1.1	1.2	1.1	-
Periodicals .....	272	37.1	36.3	35.6	36.9	-	2.8	2.0	2.1	2.9	-
Books .....	273	40.0	41.1	40.6	39.7	-	3.4	3.7	4.6	3.4	-
Book publishing .....	2731	39.2	40.3	39.3	38.2	-	2.4	3.1	3.5	2.8	-
Book printing .....	2732	41.0	42.1	42.1	41.4	-	4.5	4.3	5.9	4.0	-
Miscellaneous publishing .....	274	36.5	36.3	36.3	35.6	-	1.9	1.9	2.0	1.5	-
Commercial printing .....	275	39.8	39.1	39.8	39.3	-	3.9	3.4	3.7	3.5	-
Commercial printing, lithographic .....	2752	39.6	38.9	39.8	39.0	-	3.8	3.3	3.7	3.4	-
Commercial printing, nec .....	2759	40.1	39.5	40.1	40.0	-	3.9	3.5	3.9	3.8	-
Manifold business forms .....	276	41.8	41.1	41.0	41.4	-	4.0	3.2	3.3	3.5	-
Blankbooks and bookbinding .....	278	39.1	38.5	39.5	39.2	-	2.5	1.9	2.4	2.3	-
Printing trade services .....	279	39.0	38.8	39.7	39.0	-	3.7	3.4	4.3	3.8	-
Chemicals and allied products .....	28	43.2	43.3	43.1	42.8	42.9	4.9	4.8	4.9	4.8	-
Industrial inorganic chemicals .....	281	45.3	46.1	46.3	45.9	-	5.6	6.1	5.8	5.6	-
Industrial inorganic chemicals, nec .....	2819	45.2	45.8	46.1	45.8	-	5.8	5.9	5.8	5.7	-
Plastics materials and synthetics .....	282	44.1	45.5	43.6	43.5	-	6.0	6.7	5.2	5.5	-
Plastics materials and resins .....	2821	44.9	45.5	44.5	44.6	-	6.6	7.4	5.7	6.1	-
Organic fibers, noncellulosic .....	2824	45.0	47.6	44.8	45.0	-	5.8	6.4	4.8	4.7	-
Drugs .....	283	41.8	40.8	41.3	40.9	-	4.1	3.6	4.0	4.0	-
Pharmaceutical preparations .....	2834	41.6	40.5	41.1	40.8	-	3.8	3.3	3.7	3.7	-
Soap, cleaners, and toilet goods .....	284	40.8	39.9	40.4	39.5	-	3.2	2.4	3.4	2.7	-
Soap and other detergents .....	2841	42.0	40.1	41.8	41.0	-	3.7	2.5	3.8	3.2	-
Polishing, sanitation, and finishing preparations .....	2842,3	39.9	39.2	40.0	39.4	-	3.2	2.8	3.1	2.8	-
Toilet preparations .....	2844	40.7	40.1	39.8	38.7	-	3.0	2.1	3.3	2.4	-
Paints and allied products .....	285	42.6	41.5	42.0	42.1	-	3.7	3.1	3.6	3.6	-
Industrial organic chemicals .....	286	45.1	46.0	45.5	45.4	-	6.3	6.7	6.8	6.6	-
Cyclic crudes and intermediates .....	2865	45.7	46.5	47.3	46.0	-	7.3	8.3	8.8	6.5	-
Industrial organic chemicals, nec .....	2869	44.9	45.8	45.1	45.3	-	6.1	6.4	6.3	6.6	-
Agricultural chemicals .....	287	45.0	45.7	45.4	45.7	-	6.2	6.4	6.3	6.5	-
Miscellaneous chemical products .....	289	43.5	42.7	43.2	43.1	-	4.7	4.1	4.8	4.6	-
Petroleum and coal products .....	29	43.7	43.9	43.0	43.5	43.3	6.1	6.0	5.8	6.0	-
Petroleum refining .....	291	43.7	44.7	42.6	42.8	-	5.5	5.9	5.5	5.4	-
Asphalt paving and roofing materials .....	295	44.6	42.1	44.4	46.4	-	8.4	7.0	7.3	8.8	-
Rubber and misc. plastics products .....	30	41.5	40.4	41.3	41.1	41.5	4.1	3.3	3.9	4.0	-
Tires and inner tubes .....	301	44.5	42.7	44.2	42.9	-	6.0	4.4	5.8	5.2	-
Rubber and plastics footwear .....	302	39.5	37.6	37.8	38.7	-	2.0	1.5	.9	2.6	-
Hose, belting, gaskets, and packing .....	305	42.0	40.0	41.9	41.5	-	4.3	3.0	4.3	4.4	-
Rubber and plastics hose and belting .....	3052	43.2	40.8	42.7	42.0	-	4.6	3.6	4.3	4.4	-
Fabricated rubber products, nec .....	306	41.2	39.3	41.0	40.8	-	3.8	2.7	3.4	3.4	-
Miscellaneous plastics products, nec .....	308	41.2	40.3	41.0	40.9	-	4.0	3.3	3.8	3.9	-
Leather and leather products .....	31	38.0	37.1	37.7	37.3	37.9	2.0	1.5	1.8	1.6	-
Leather tanning and finishing .....	311	42.3	42.7	42.2	40.9	-	5.5	5.9	6.2	5.0	-
Footwear, except rubber .....	314	37.1	36.1	36.2	36.0	-	1.3	.7	.7	.9	-
Men's footwear, except athletic .....	3143	36.9	36.2	36.1	36.0	-	1.2	1.0	.7	1.0	-
Women's footwear, except athletic .....	3144	38.4	37.3	37.0	36.1	-	1.5	.4	.5	.4	-
Luggage .....	316	37.9	35.4	36.9	36.2	-	2.1	1.3	1.7	1.2	-
Handbags and personal leather goods .....	317	37.6	36.3	38.7	38.9	-	1.7	.9	1.7	1.7	-
<b>Service-producing .....</b>		<b>32.7</b>	<b>32.8</b>	<b>32.5</b>	<b>32.4</b>	<b>32.6</b>	-	-	-	-	-
<b>Transportation and public utilities .....</b>		<b>39.5</b>	<b>39.6</b>	<b>39.5</b>	<b>39.3</b>	<b>39.4</b>	-	-	-	-	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
<b>Paper and allied products—Continued</b>											
Paperboard containers and boxes .....	265	\$12.02	\$11.95	\$12.20	\$12.34	-	\$512.05	\$482.78	\$517.28	\$523.22	-
Corrugated and solid fiber boxes .....	2653	12.03	11.99	12.12	12.25	-	518.49	486.79	516.31	525.53	-
Sanitary food containers .....	2656	12.05	11.98	12.25	12.37	-	494.05	468.42	516.95	526.96	-
Folding paperboard boxes .....	2657	12.70	12.48	13.01	13.10	-	541.02	509.18	558.13	552.82	-
Misc. converted paper products .....	267	12.39	12.35	12.67	12.72	-	514.19	500.18	523.27	518.98	-
Paper, coated and laminated, nec .....	2672	14.36	14.16	14.78	14.78	-	604.56	600.38	625.19	623.72	-
Bags: plastics, laminated, and coated .....	2673	11.44	11.40	11.57	11.68	-	474.76	460.56	483.63	475.38	-
Envelopes .....	2677	11.54	11.47	11.75	11.72	-	473.14	451.92	480.58	482.86	-
Printing and publishing .....	27	12.33	12.22	12.52	12.54	\$12.55	471.01	461.92	478.26	475.27	\$475.65
Newspapers .....	271	12.18	12.13	12.39	12.43	-	399.50	397.86	402.68	406.46	-
Periodicals .....	272	13.42	13.48	13.60	13.59	-	497.88	489.32	484.16	501.47	-
Books .....	273	11.57	11.34	11.65	11.68	-	462.80	466.07	472.99	463.70	-
Book publishing .....	2731	11.12	10.90	11.32	11.36	-	435.90	439.27	444.88	433.95	-
Book printing .....	2732	12.05	11.83	11.99	12.01	-	494.05	498.04	504.78	497.21	-
Miscellaneous publishing .....	274	11.68	11.62	11.84	11.92	-	426.32	421.81	429.79	424.35	-
Commercial printing .....	275	12.53	12.37	12.76	12.75	-	498.69	483.67	507.85	501.08	-
Commercial printing, lithographic .....	2752	12.63	12.47	12.90	12.90	-	500.15	485.08	513.42	503.10	-
Commercial printing, nec .....	2759	12.19	12.06	12.37	12.29	-	488.82	476.37	496.04	491.60	-
Manifold business forms .....	276	13.13	13.08	13.15	13.38	-	548.83	537.59	539.15	553.93	-
Blankbooks and bookbinding .....	278	9.68	9.66	9.82	9.82	-	378.49	371.91	387.89	384.94	-
Printing trade services .....	279	15.19	15.04	15.64	15.66	-	592.41	583.55	620.91	610.74	-
Chemicals and allied products .....	28	15.63	15.69	16.03	16.21	16.09	675.22	679.38	690.89	693.79	690.26
Industrial inorganic chemicals .....	281	17.32	17.25	17.59	17.72	-	784.60	795.23	814.42	813.35	-
Industrial inorganic chemicals, nec .....	2819	17.68	17.57	17.95	18.10	-	799.14	804.71	827.50	828.98	-
Plastics materials and synthetics .....	282	16.12	16.23	16.53	17.06	-	710.89	738.47	720.71	742.11	-
Plastics materials and resins .....	2821	17.93	18.02	18.35	18.56	-	805.06	819.91	816.58	827.78	-
Organic fibers, noncellulosic .....	2824	14.08	14.31	14.32	15.14	-	633.60	681.16	641.54	681.30	-
Drugs .....	283	15.16	15.29	15.59	15.60	-	633.69	623.83	643.87	638.04	-
Pharmaceutical preparations .....	2834	14.99	15.20	15.27	15.32	-	623.58	615.60	627.60	625.06	-
Soap, cleaners, and toilet goods .....	284	12.78	12.64	13.10	13.18	-	521.42	504.34	529.24	520.61	-
Soap and other detergents .....	2841	15.83	15.65	16.06	16.32	-	664.86	627.57	671.31	669.12	-
Polishing, sanitation, and finishing preparations .....	2842,3	11.94	11.81	12.14	12.32	-	476.41	462.95	485.60	485.41	-
Toilet preparations .....	2844	11.57	11.48	11.96	11.87	-	470.90	460.35	476.01	459.37	-
Paints and allied products .....	285	13.08	12.92	13.38	13.38	-	557.21	536.18	561.96	563.30	-
Industrial organic chemicals .....	286	19.11	19.19	19.55	19.86	-	861.86	882.74	889.53	901.64	-
Cyclic crudes and intermediates .....	2865	18.89	19.01	19.33	19.62	-	863.27	883.97	914.31	902.52	-
Industrial organic chemicals, nec .....	2869	19.28	19.37	19.72	20.04	-	865.67	887.15	889.37	907.81	-
Agricultural chemicals .....	287	15.72	15.58	15.85	15.75	-	707.40	712.01	719.59	719.78	-
Miscellaneous chemical products .....	289	14.45	14.44	14.84	14.85	-	628.58	616.59	641.09	640.04	-
Petroleum and coal products .....	29	19.36	19.55	19.20	19.33	18.87	846.03	858.25	825.60	840.86	817.07
Petroleum refining .....	291	21.44	21.64	21.38	21.71	-	936.93	967.31	910.79	929.19	-
Asphalt paving and roofing materials .....	295	14.48	14.15	13.87	13.97	-	645.81	595.72	615.83	648.21	-
Rubber and misc. plastics products .....	30	10.91	10.76	11.14	11.20	11.18	452.77	434.70	460.08	460.32	463.97
Tires and inner tubes .....	301	17.58	17.06	17.90	17.95	-	782.31	728.46	791.18	770.06	-
Rubber and plastics footwear .....	302	8.43	8.33	9.12	9.25	-	332.99	313.21	344.74	357.98	-
Hose, belting, gaskets, and packing .....	305	11.08	10.86	11.31	11.40	-	465.36	434.40	473.89	473.10	-
Rubber and plastics hose and belting .....	3052	11.33	11.13	11.44	11.64	-	489.46	454.10	488.49	488.88	-
Fabricated rubber products, nec .....	306	10.44	10.26	10.61	10.63	-	430.13	403.22	435.01	433.70	-
Miscellaneous plastics products, nec .....	308	10.25	10.17	10.47	10.55	-	422.30	409.85	429.27	431.50	-
Leather and leather products .....	31	8.17	8.28	8.46	8.45	8.50	310.46	307.19	318.94	315.19	322.15
Leather tanning and finishing .....	311	11.07	11.41	11.49	11.32	-	468.26	487.21	484.88	462.99	-
Footwear, except rubber .....	314	7.67	7.75	7.91	8.01	-	284.56	279.78	286.34	288.36	-
Men's footwear, except athletic .....	3143	8.25	8.33	8.64	8.70	-	304.43	301.55	311.90	313.20	-
Women's footwear, except athletic .....	3144	7.04	7.11	7.10	7.21	-	270.34	265.20	262.70	260.28	-
Luggage .....	316	8.13	8.23	8.32	8.21	-	308.13	291.34	307.01	297.20	-
Handbags and personal leather goods .....	317	7.43	7.43	7.72	7.60	-	279.37	269.71	298.76	295.64	-
<b>Service-producing .....</b>		<b>10.88</b>	<b>10.87</b>	<b>11.21</b>	<b>11.22</b>	<b>\$11.18</b>	<b>356.10</b>	<b>356.54</b>	<b>364.33</b>	<b>363.53</b>	<b>\$364.47</b>
<b>Transportation and public utilities .....</b>		<b>14.23</b>	<b>14.15</b>	<b>14.44</b>	<b>14.50</b>	<b>14.42</b>	<b>562.09</b>	<b>560.34</b>	<b>570.38</b>	<b>569.85</b>	<b>568.15</b>

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Transportation and public utilities—Continued</b>											
Railroad transportation:											
Class I railroads plus Amtrak <sup>2</sup> .....	4011	46.4	47.5	48.6	49.1	-	-	-	-	-	-
Local and interurban passenger transit .....	41	33.8	33.3	33.7	33.3	-	-	-	-	-	-
Local and suburban transportation .....	411	38.3	38.6	38.3	38.4	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	37.7	38.3	38.5	39.4	-	-	-	-	-	-
Trucking and warehousing .....	42	38.9	38.4	38.8	38.6	-	-	-	-	-	-
Trucking and courier services, except air .....	421	38.8	38.3	38.8	38.6	-	-	-	-	-	-
Public warehousing and storage .....	422	39.9	39.2	39.0	38.6	-	-	-	-	-	-
Water transportation:											
Water transportation services .....	449	37.2	37.4	36.6	36.4	-	-	-	-	-	-
Pipelines, except natural gas .....	46	43.8	44.1	43.8	44.4	-	-	-	-	-	-
Transportation services .....	47	37.9	38.4	38.1	37.8	-	-	-	-	-	-
Passenger transportation arrangement .....	472	37.0	38.0	37.4	37.3	-	-	-	-	-	-
Travel agencies .....	4724	37.0	38.0	37.2	37.0	-	-	-	-	-	-
Freight transportation arrangement .....	473	39.1	39.1	38.8	38.5	-	-	-	-	-	-
Communications .....	48	39.8	39.4	39.9	39.9	-	-	-	-	-	-
Telephone communications .....	481	41.4	40.7	41.4	41.6	-	-	-	-	-	-
Telephone communications, except radio .....	4813	41.5	40.5	41.7	42.0	-	-	-	-	-	-
Radio and television broadcasting .....	483	34.9	35.4	34.7	34.6	-	-	-	-	-	-
Cable and other pay television services .....	484	39.2	38.9	39.7	39.3	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	42.4	42.6	42.2	42.1	-	-	-	-	-	-
Electric services .....	491	42.4	42.9	42.6	42.3	-	-	-	-	-	-
Gas production and distribution .....	492	42.5	42.4	42.0	41.8	-	-	-	-	-	-
Combination utility services .....	493	42.5	42.4	41.8	42.2	-	-	-	-	-	-
Sanitary services .....	495	42.6	42.7	42.2	42.4	-	-	-	-	-	-
<b>Wholesale trade</b> .....		<b>38.3</b>	<b>38.3</b>	<b>38.1</b>	<b>38.1</b>	<b>38.2</b>	-	-	-	-	-
Durable goods .....	50	38.9	39.0	38.8	38.8	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	38.1	38.3	38.2	38.6	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.6	37.8	37.6	37.4	-	-	-	-	-	-
Lumber and other construction materials .....	503	39.9	39.7	39.4	39.8	-	-	-	-	-	-
Professional and commercial equipment .....	504	39.1	39.5	38.9	38.7	-	-	-	-	-	-
Medical and hospital equipment .....	5047	38.2	38.3	38.4	38.3	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	40.9	40.7	40.9	41.0	-	-	-	-	-	-
Electrical goods .....	506	38.7	38.6	39.0	38.9	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.8	38.9	38.6	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.3	39.4	39.2	39.1	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	38.0	38.0	37.9	37.8	-	-	-	-	-	-
Nondurable goods .....	51	37.4	37.4	37.1	37.1	-	-	-	-	-	-
Paper and paper products .....	511	36.5	35.8	36.5	36.1	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	37.0	37.2	36.3	35.9	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	37.3	37.0	36.9	36.6	-	-	-	-	-	-
Groceries and related products .....	514	38.3	38.4	37.8	37.8	-	-	-	-	-	-
Farm-product raw materials .....	515	34.9	34.3	34.2	35.3	-	-	-	-	-	-
Chemicals and allied products .....	516	39.6	39.2	39.8	39.7	-	-	-	-	-	-
Petroleum and petroleum products .....	517	37.7	37.6	37.2	37.3	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	37.1	37.0	37.2	37.3	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.5	37.0	36.5	36.9	-	-	-	-	-	-
<b>Retail trade</b> .....		<b>28.8</b>	<b>28.9</b>	<b>28.5</b>	<b>28.4</b>	<b>28.7</b>	-	-	-	-	-
Building materials and garden supplies .....	52	35.7	35.9	34.9	35.0	-	-	-	-	-	-
Lumber and other building materials .....	521	37.2	37.7	36.6	36.6	-	-	-	-	-	-
Paint, glass, and wallpaper stores .....	523	36.5	36.3	36.1	36.2	-	-	-	-	-	-
Hardware stores .....	525	32.1	32.1	31.4	31.3	-	-	-	-	-	-
Retail nurseries and garden stores .....	526	32.4	32.8	31.1	32.1	-	-	-	-	-	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Transportation and public utilities—Continued</b>											
<b>Railroad transportation:</b>											
Class I railroads plus Amtrak <sup>3</sup> .....	4011	\$17.48	\$17.60	\$17.64	\$17.74	-	\$811.07	\$836.00	\$857.30	\$871.03	-
Local and interurban passenger transit .....	41	10.54	10.54	10.56	10.68	-	356.25	350.98	355.87	355.64	-
Local and suburban transportation .....	411	11.25	11.31	11.27	11.40	-	430.88	436.57	431.64	437.76	-
Intercity and rural bus transportation .....	413	12.22	12.22	12.39	12.60	-	460.69	468.03	477.02	496.44	-
<b>Trucking and warehousing .....</b>	<b>42</b>	<b>12.88</b>	<b>12.79</b>	<b>13.05</b>	<b>13.04</b>	<b>-</b>	<b>501.03</b>	<b>491.14</b>	<b>506.34</b>	<b>503.34</b>	<b>-</b>
Trucking and courier services, except air .....	421	13.08	12.98	13.25	13.23	-	507.50	497.13	514.10	510.68	-
Public warehousing and storage .....	422	10.41	10.40	10.56	10.55	-	415.36	407.68	411.84	407.23	-
<b>Water transportation:</b>											
Water transportation services .....	449	18.36	18.54	17.35	18.00	-	682.99	693.40	635.01	655.20	-
Pipelines, except natural gas .....	46	20.28	20.72	20.46	20.25	-	888.26	913.75	896.15	899.10	-
<b>Transportation services .....</b>	<b>47</b>	<b>12.46</b>	<b>12.36</b>	<b>13.02</b>	<b>12.95</b>	<b>-</b>	<b>472.23</b>	<b>474.62</b>	<b>496.06</b>	<b>489.51</b>	<b>-</b>
Passenger transportation arrangement .....	472	12.17	11.89	13.15	13.09	-	450.29	451.82	491.81	488.26	-
Travel agencies .....	4724	12.48	12.20	13.62	13.52	-	461.76	463.60	506.66	500.24	-
Freight transportation arrangement .....	473	13.22	13.30	13.35	13.26	-	516.90	520.03	517.98	510.51	-
<b>Communications .....</b>	<b>48</b>	<b>15.57</b>	<b>15.38</b>	<b>15.84</b>	<b>15.89</b>	<b>-</b>	<b>619.69</b>	<b>605.97</b>	<b>632.02</b>	<b>634.01</b>	<b>-</b>
Telephone communications .....	481	16.22	16.01	16.56	16.52	-	671.51	651.61	685.58	687.23	-
Telephone communications, except radio .....	4813	16.61	16.43	16.89	16.82	-	689.32	665.42	704.31	706.44	-
Radio and television broadcasting .....	483	15.30	15.13	15.44	15.78	-	533.97	535.60	535.77	545.99	-
Cable and other pay television services .....	484	12.09	12.00	12.34	12.48	-	473.93	466.80	489.90	490.46	-
<b>Electric, gas, and sanitary services .....</b>	<b>49</b>	<b>17.66</b>	<b>17.61</b>	<b>17.99</b>	<b>18.06</b>	<b>-</b>	<b>748.78</b>	<b>750.19</b>	<b>759.18</b>	<b>760.33</b>	<b>-</b>
Electric services .....	491	18.54	18.56	19.08	19.20	-	786.10	796.22	812.81	812.16	-
Gas production and distribution .....	492	17.30	17.27	17.54	17.57	-	735.25	732.25	736.68	734.43	-
Combination utility services .....	493	21.39	21.09	21.40	21.44	-	909.08	894.22	894.52	904.77	-
Sanitary services .....	495	12.90	12.73	13.33	13.33	-	549.54	543.57	562.53	565.19	-
<b>Wholesale trade .....</b>	<b></b>	<b>12.43</b>	<b>12.47</b>	<b>12.67</b>	<b>12.76</b>	<b>\$12.74</b>	<b>476.07</b>	<b>477.60</b>	<b>482.73</b>	<b>486.16</b>	<b>\$486.67</b>
<b>Durable goods .....</b>	<b>50</b>	<b>12.89</b>	<b>12.93</b>	<b>13.17</b>	<b>13.29</b>	<b>-</b>	<b>501.42</b>	<b>504.27</b>	<b>511.00</b>	<b>515.65</b>	<b>-</b>
Motor vehicles, parts, and supplies .....	501	11.30	11.36	11.61	11.87	-	430.53	435.09	443.50	458.18	-
Furniture and home furnishings .....	502	11.23	11.31	11.46	11.68	-	422.25	427.52	430.90	436.83	-
Lumber and other construction materials .....	503	11.77	11.74	11.87	11.87	-	469.62	466.08	467.68	472.43	-
Professional and commercial equipment .....	504	15.48	15.52	15.67	15.88	-	605.27	613.04	609.56	614.56	-
Medical and hospital equipment .....	5047	13.58	13.41	14.19	14.37	-	518.76	513.60	544.90	550.37	-
Metals and minerals, except petroleum .....	505	12.67	12.71	12.90	13.01	-	518.20	517.30	527.61	533.41	-
Electrical goods .....	506	13.50	13.54	13.97	14.05	-	522.45	522.64	544.83	546.55	-
Hardware, plumbing, and heating equipment .....	507	12.15	12.17	12.37	12.46	-	471.42	473.41	477.48	479.71	-
Machinery, equipment, and supplies .....	508	12.98	13.00	13.26	13.30	-	510.11	512.20	519.79	520.03	-
Misc. wholesale trade durable goods .....	509	10.13	10.10	10.34	10.40	-	384.94	383.80	391.89	393.12	-
<b>Nondurable goods .....</b>	<b>51</b>	<b>11.76</b>	<b>11.82</b>	<b>11.94</b>	<b>11.98</b>	<b>-</b>	<b>439.82</b>	<b>442.07</b>	<b>442.97</b>	<b>444.46</b>	<b>-</b>
Paper and paper products .....	511	12.15	12.36	12.13	12.30	-	443.48	442.49	442.75	444.03	-
Drugs, proprietaries, and sundries .....	512	14.90	15.08	15.38	15.42	-	551.30	560.98	558.29	553.58	-
Apparel, piece goods, and notions .....	513	11.52	11.63	11.77	11.96	-	429.70	430.31	434.31	437.74	-
Groceries and related products .....	514	12.08	12.17	12.27	12.35	-	462.66	467.33	463.81	466.83	-
Farm-product raw materials .....	515	8.86	8.88	9.08	9.13	-	309.21	304.58	310.54	322.29	-
Chemicals and allied products .....	516	13.37	13.37	13.49	13.43	-	529.45	524.10	536.90	533.17	-
Petroleum and petroleum products .....	517	11.13	11.10	11.13	11.20	-	419.60	417.36	414.04	417.76	-
Beer, wine, and distilled beverages .....	518	13.33	13.40	13.50	13.62	-	494.54	495.80	502.20	508.03	-
Misc. wholesale trade nondurable goods .....	519	9.77	9.73	9.91	9.87	-	356.61	360.01	361.72	364.20	-
<b>Retail trade .....</b>	<b></b>	<b>7.69</b>	<b>7.65</b>	<b>7.90</b>	<b>7.92</b>	<b>7.93</b>	<b>221.47</b>	<b>221.09</b>	<b>225.15</b>	<b>224.93</b>	<b>227.59</b>
<b>Building materials and garden supplies .....</b>	<b>52</b>	<b>9.09</b>	<b>8.95</b>	<b>9.34</b>	<b>9.33</b>	<b>-</b>	<b>324.51</b>	<b>321.31</b>	<b>325.97</b>	<b>326.55</b>	<b>-</b>
Lumber and other building materials .....	521	9.41	9.27	9.79	9.82	-	350.05	349.48	358.31	359.41	-
Paint, glass, and wallpaper stores .....	523	9.77	9.63	9.82	9.86	-	356.61	349.57	354.50	356.93	-
Hardware stores .....	525	7.75	7.73	7.93	7.92	-	248.78	248.13	249.00	247.90	-
Retail nurseries and garden stores .....	526	8.13	7.96	8.29	8.16	-	263.41	261.09	257.82	261.94	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>2</sup>	May 1996 <sup>2</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>2</sup>	May 1996 <sup>2</sup>
<b>Retail trade—Continued</b>											
General merchandise stores .....	53	29.5	29.5	28.9	28.4	-	-	-	-	-	-
Department stores .....	531	29.7	29.6	29.0	28.5	-	-	-	-	-	-
Variety stores .....	533	27.5	27.5	27.1	27.0	-	-	-	-	-	-
Misc. general merchandise stores .....	539	29.3	29.4	28.9	28.9	-	-	-	-	-	-
Food stores .....	54	29.8	30.0	29.3	29.0	-	-	-	-	-	-
Grocery stores .....	541	29.9	30.1	29.5	29.2	-	-	-	-	-	-
Retail bakeries .....	546	28.2	28.8	27.5	27.3	-	-	-	-	-	-
Automotive dealers and service stations .....	55	35.5	35.6	35.4	35.3	-	-	-	-	-	-
New and used car dealers .....	551	36.8	36.9	37.0	36.9	-	-	-	-	-	-
Auto and home supply stores .....	553	37.5	37.6	37.3	37.3	-	-	-	-	-	-
Gasoline service stations .....	554	32.5	32.5	32.0	31.8	-	-	-	-	-	-
Automotive dealers, nec .....	559	34.4	34.1	34.1	34.5	-	-	-	-	-	-
Apparel and accessory stores .....	56	26.1	26.3	25.7	25.6	-	-	-	-	-	-
Men's and boys' clothing stores .....	561	29.1	29.2	28.3	28.3	-	-	-	-	-	-
Women's clothing stores .....	562	23.8	23.8	24.0	24.1	-	-	-	-	-	-
Family clothing stores .....	565	26.9	27.3	26.6	26.2	-	-	-	-	-	-
Shoe stores .....	566	26.3	26.8	25.4	25.6	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	32.8	32.6	32.6	32.6	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	33.1	32.9	32.9	32.9	-	-	-	-	-	-
Household appliance stores .....	572	34.6	34.4	33.4	33.3	-	-	-	-	-	-
Radio, television, and computer stores .....	573	32.1	31.8	32.1	32.0	-	-	-	-	-	-
Radio, television, and electronic stores .....	5731	31.9	31.4	32.0	31.9	-	-	-	-	-	-
Record and prerecorded tape stores .....	5735	26.4	26.1	25.9	26.0	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	25.1	25.2	24.9	25.0	-	-	-	-	-	-
Miscellaneous retail establishments .....	59	29.8	29.6	29.4	29.5	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	28.6	28.3	28.3	28.6	-	-	-	-	-	-
Used merchandise stores .....	593	31.3	31.6	30.9	30.4	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	27.9	27.5	27.5	27.6	-	-	-	-	-	-
Nonstore retailers .....	596	33.2	32.7	32.9	32.9	-	-	-	-	-	-
Fuel dealers .....	598	38.2	37.6	38.8	37.5	-	-	-	-	-	-
Retail stores, nec .....	599	31.6	31.9	30.6	30.6	-	-	-	-	-	-
Optical goods stores .....	5995	32.9	32.7	33.6	33.4	-	-	-	-	-	-
Miscellaneous retail stores, nec .....	5999	32.0	32.1	31.3	31.1	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		<b>35.9</b>	<b>36.3</b>	<b>35.7</b>	<b>35.6</b>	<b>35.6</b>	-	-	-	-	-
Depository institutions .....	60	35.5	36.2	34.9	35.0	-	-	-	-	-	-
Commercial banks .....	602	35.4	36.2	34.6	34.7	-	-	-	-	-	-
State commercial banks .....	6022	35.6	36.4	34.9	35.2	-	-	-	-	-	-
National and commercial banks, nec .....	6021,9	35.2	36.1	34.3	34.4	-	-	-	-	-	-
Credit unions .....	606	35.9	36.3	35.8	35.7	-	-	-	-	-	-
Nondepository institutions .....	61	37.9	38.3	37.9	37.8	-	-	-	-	-	-
Personal credit institutions .....	614	38.2	38.2	38.5	38.4	-	-	-	-	-	-
Security and commodity brokers:											
Security and commodity services .....	628	36.4	36.7	36.5	36.7	-	-	-	-	-	-
Insurance carriers .....	63	37.9	38.1	38.1	37.9	-	-	-	-	-	-
Life insurance .....	631	37.6	38.1	37.7	37.5	-	-	-	-	-	-
Medical service and health insurance .....	632	38.5	37.9	39.0	39.0	-	-	-	-	-	-
Hospital and medical service plans .....	6324	38.4	37.6	39.2	39.2	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	38.0	38.0	38.3	37.7	-	-	-	-	-	-
<b>Services</b> .....		<b>32.4</b>	<b>32.5</b>	<b>32.2</b>	<b>32.2</b>	<b>32.3</b>	-	-	-	-	-
Agricultural services .....	07	34.2	34.4	32.6	34.1	-	-	-	-	-	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Retail trade—Continued</b>											
General merchandise stores .....	53	\$7.53	\$7.51	\$7.81	\$7.90	-	\$222.14	\$221.55	\$225.71	\$224.36	-
Department stores .....	531	7.54	7.51	7.86	7.96	-	223.94	222.30	227.94	226.86	-
Variety stores .....	533	7.26	7.23	7.29	7.24	-	199.65	198.83	197.56	195.48	-
Misc. general merchandise stores .....	539	7.51	7.65	7.49	7.54	-	220.04	224.91	216.46	217.91	-
Food stores .....	54	8.15	8.06	8.37	8.40	-	242.87	241.80	245.24	243.60	-
Grocery stores .....	541	8.23	8.14	8.46	8.51	-	246.08	245.01	249.57	248.49	-
Retail bakeries .....	546	7.33	7.34	7.35	7.32	-	206.71	211.39	202.13	199.84	-
Automotive dealers and service stations .....	55	10.40	10.43	10.75	10.77	-	369.20	371.31	380.55	380.18	-
New and used car dealers .....	551	13.05	13.11	13.49	13.48	-	480.24	483.76	499.13	497.41	-
Auto and home supply stores .....	553	8.78	8.76	8.99	8.99	-	329.25	329.38	335.33	335.33	-
Gasoline service stations .....	554	6.94	6.91	7.06	7.08	-	225.55	224.58	225.92	225.14	-
Automotive dealers, nec .....	559	11.28	11.33	11.36	11.32	-	388.03	386.35	387.38	390.54	-
Apparel and accessory stores .....	56	7.47	7.49	7.70	7.74	-	194.97	196.99	197.89	198.14	-
Men's and boys' clothing stores .....	561	8.89	8.96	8.96	9.09	-	258.70	261.63	253.57	257.25	-
Women's clothing stores .....	562	7.06	7.02	7.53	7.62	-	168.03	167.08	180.72	183.64	-
Family clothing stores .....	565	7.39	7.37	7.62	7.59	-	198.79	201.20	202.69	198.86	-
Shoe stores .....	566	7.53	7.70	7.54	7.66	-	198.04	206.36	191.52	196.10	-
Furniture and home furnishings stores .....	57	10.15	10.18	10.25	10.33	-	332.92	331.87	334.15	336.76	-
Furniture and home furnishings stores .....	571	9.83	9.79	9.92	9.95	-	325.37	322.09	326.37	327.36	-
Household appliance stores .....	572	10.06	10.00	10.00	9.94	-	348.08	344.00	334.00	331.00	-
Radio, television, and computer stores .....	573	10.60	10.75	10.71	10.92	-	340.26	341.85	343.79	349.44	-
Radio, television, and electronic stores .....	5731	10.54	10.75	9.98	10.23	-	336.23	337.55	319.36	326.34	-
Record and prerecorded tape stores .....	5735	6.32	6.34	6.60	6.55	-	166.85	165.47	170.94	170.30	-
Eating and drinking places <sup>4</sup> .....	58	5.59	5.53	5.69	5.70	-	140.31	139.36	141.68	142.50	-
Miscellaneous retail establishments .....	59	8.47	8.44	8.68	8.68	-	252.41	249.82	255.19	256.06	-
Drug stores and proprietary stores .....	591	8.88	8.84	9.06	9.12	-	253.97	250.17	256.40	260.83	-
Used merchandise stores .....	593	7.13	7.09	7.17	7.20	-	223.17	224.04	221.55	218.88	-
Miscellaneous shopping goods stores .....	594	7.73	7.71	7.99	7.98	-	215.67	212.03	219.73	220.25	-
Nonstore retailers .....	596	9.01	9.04	9.18	9.23	-	299.13	295.61	302.02	303.67	-
Fuel dealers .....	598	11.66	11.54	11.91	11.74	-	445.41	433.90	462.11	440.25	-
Retail stores, nec .....	599	8.70	8.62	8.85	8.83	-	274.92	274.98	270.81	270.20	-
Optical goods stores .....	5995	10.99	10.94	11.11	11.22	-	361.57	357.74	373.30	374.75	-
Miscellaneous retail stores, nec .....	5999	9.00	9.03	9.10	9.08	-	288.00	289.86	284.83	282.39	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		12.33	12.32	12.74	12.77	\$12.79	442.65	447.22	454.82	454.61	\$455.32
Depository institutions .....	60	9.62	9.62	9.88	9.87	-	341.51	348.24	344.81	345.45	-
Commercial banks .....	602	9.18	9.16	9.40	9.41	-	324.97	331.59	325.24	326.53	-
State commercial banks .....	6022	9.01	9.02	9.26	9.25	-	320.76	328.33	323.17	325.60	-
National and commercial banks, nec .....	6021,9	9.30	9.26	9.51	9.52	-	327.36	334.29	326.19	327.49	-
Credit unions .....	606	9.58	9.61	9.75	9.79	-	343.92	348.84	349.05	349.50	-
Nondepository institutions .....	61	12.53	12.49	12.70	12.78	-	474.89	478.37	481.33	483.08	-
Personal credit institutions .....	614	10.25	10.40	10.42	10.63	-	391.55	397.28	401.17	408.19	-
Security and commodity brokers:											
Security and commodity services .....	628	17.56	17.52	18.12	18.21	-	639.18	642.98	661.38	668.31	-
Insurance carriers .....	63	14.82	14.78	15.25	15.33	-	561.68	563.12	581.03	581.01	-
Life insurance .....	631	14.27	14.29	14.58	14.68	-	536.55	544.45	549.67	550.50	-
Medical service and health insurance .....	632	13.94	14.00	14.38	14.44	-	536.69	530.60	560.82	563.16	-
Hospital and medical service plans .....	6324	14.24	14.32	14.70	14.75	-	546.82	538.43	576.24	578.20	-
Fire, marine, and casualty insurance .....	633	15.87	15.68	16.45	16.56	-	603.06	595.84	630.04	624.31	-
<b>Services</b> .....		11.39	11.38	11.72	11.72	11.69	369.04	369.85	377.38	377.38	377.59
Agricultural services .....	07	8.92	8.84	9.17	9.17	-	305.06	304.10	298.94	312.70	-

See footnotes at end of table.



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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	May 1996 <sup>P</sup>
<b>Services—Continued</b>											
Agricultural services—Continued											
Veterinary services .....	074	28.9	29.5	28.6	28.9	-	-	-	-	-	-
Landscape and horticultural services .....	078	36.6	36.6	34.3	36.3	-	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	31.0	31.0	30.4	30.3	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services .....	721	33.8	33.9	34.0	34.0	-	-	-	-	-	-
Beauty shops <sup>4</sup> .....	723	28.0	28.6	27.5	27.4	-	-	-	-	-	-
Miscellaneous personal services .....	729	26.0	26.3	26.8	28.0	-	-	-	-	-	-
Business services .....											
Advertising .....	731	36.5	37.0	36.0	35.9	-	-	-	-	-	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	37.3	37.6	36.3	35.9	-	-	-	-	-	-
Services to buildings .....	734	28.7	28.8	28.5	28.4	-	-	-	-	-	-
Disinfecting and pest control services .....	7342	37.8	38.3	36.9	37.2	-	-	-	-	-	-
Building maintenance services, nec .....	7349	27.9	28.0	27.8	27.6	-	-	-	-	-	-
Miscellaneous equipment rental and leasing .....	735	39.1	39.2	38.7	39.1	-	-	-	-	-	-
Medical equipment rental .....	7352	39.0	39.6	37.4	37.2	-	-	-	-	-	-
Heavy construction equipment rental .....	7353	39.6	39.1	39.4	40.4	-	-	-	-	-	-
Equipment rental and leasing, nec .....	7359	38.9	39.1	38.8	39.2	-	-	-	-	-	-
Personnel supply services:											
Help supply services .....	7363	31.8	30.7	32.2	31.8	-	-	-	-	-	-
Computer and data processing services .....	737	37.8	38.1	37.6	37.6	-	-	-	-	-	-
Computer programming services .....	7371	38.1	38.7	38.0	38.0	-	-	-	-	-	-
Computer integrated systems design .....	7373	37.8	38.1	37.6	37.7	-	-	-	-	-	-
Information retrieval services .....	7375	36.9	36.3	37.9	38.6	-	-	-	-	-	-
Computer maintenance and repair .....	7378	39.5	39.4	39.4	39.4	-	-	-	-	-	-
Miscellaneous business services .....	738	33.1	33.2	32.8	32.6	-	-	-	-	-	-
Detective and armored car services .....	7381	33.8	34.3	33.7	33.8	-	-	-	-	-	-
Security systems services .....	7382	35.7	35.8	36.5	36.4	-	-	-	-	-	-
Auto repair, services, and parking .....											
Automotive rentals, without drivers .....	751	36.2	36.3	36.0	36.3	-	-	-	-	-	-
Passenger car rental .....	7514	36.1	36.4	36.2	36.4	-	-	-	-	-	-
Automobile parking .....	752	33.1	33.2	33.2	32.9	-	-	-	-	-	-
Automotive repair shops .....	753	38.0	38.2	38.3	38.1	-	-	-	-	-	-
Automotive and tire repair shops .....	7532,4	37.4	37.5	38.2	38.0	-	-	-	-	-	-
General automotive repair shops .....	7538	37.6	37.9	37.8	37.5	-	-	-	-	-	-
Automotive services, except repair .....	754	31.0	30.6	31.4	30.7	-	-	-	-	-	-
Carwashes .....	7542	28.7	28.2	29.2	28.1	-	-	-	-	-	-
Miscellaneous repair services .....											
Motion pictures .....	78	29.6	29.1	30.2	30.1	-	-	-	-	-	-
Motion picture production and services .....	781	38.8	37.9	39.1	39.1	-	-	-	-	-	-
Video tape rental .....	784	23.2	22.6	23.2	23.5	-	-	-	-	-	-
Amusement and recreation services .....											
Bowling centers .....	793	24.8	24.7	25.3	24.7	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	27.2	27.3	25.7	26.6	-	-	-	-	-	-
Physical fitness facilities .....	7991	18.8	19.1	18.0	17.9	-	-	-	-	-	-
Membership sports and recreation clubs .....	7997	28.7	28.6	27.3	28.0	-	-	-	-	-	-
Health services .....											
Offices and clinics of medical doctors .....	801	32.5	32.7	32.8	32.6	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.0	28.2	27.9	28.0	-	-	-	-	-	-
Offices and clinics of other health practitioners .....	804	29.9	30.3	29.6	29.5	-	-	-	-	-	-
Nursing and personal care facilities .....	805	32.4	32.5	31.9	32.1	-	-	-	-	-	-
Intermediate care facilities .....	8052	31.9	31.8	31.6	31.7	-	-	-	-	-	-
Hospitals .....	806	34.6	34.6	34.3	34.3	-	-	-	-	-	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Services—Continued</b>											
<b>Agricultural services—Continued</b>											
Veterinary services .....	074	\$8.80	\$8.82	\$9.05	\$9.03	-	\$254.32	\$260.19	\$258.83	\$260.97	-
Landscape and horticultural services .....	078	9.03	8.90	9.32	9.29	-	330.50	325.74	319.68	337.23	-
<b>Hotels and other lodging places:</b>											
Hotels and motels <sup>4</sup> .....	701	7.93	7.88	8.02	8.10	-	245.83	244.28	243.81	245.43	-
<b>Personal services:</b>											
Laundry, cleaning, and garment services .....	721	7.53	7.47	7.68	7.71	-	254.51	253.23	261.12	262.14	-
Beauty shops <sup>4</sup> .....	723	8.56	8.55	8.78	8.74	-	239.68	244.53	241.45	239.48	-
Miscellaneous personal services .....	729	7.75	7.04	7.73	7.60	-	201.50	185.15	207.16	212.80	-
<b>Business services</b>											
Advertising .....	731	15.91	16.07	16.19	16.42	-	580.72	594.59	582.84	589.48	-
<b>Mailing, reproduction, and stenographic services:</b>											
Photocopying and duplicating services .....	7334	10.19	10.25	10.55	10.58	-	380.09	385.40	382.97	379.82	-
Services to buildings .....	734	7.46	7.46	7.45	7.54	-	214.10	214.85	212.33	214.14	-
Disinfecting and pest control services .....	7342	9.70	9.75	9.51	9.71	-	366.66	373.43	350.92	361.21	-
Building maintenance services, nec .....	7349	7.19	7.18	7.20	7.27	-	200.60	201.04	200.16	200.65	-
<b>Miscellaneous equipment rental and leasing</b>											
Medical equipment rental .....	735	11.12	11.06	11.37	11.44	-	434.79	433.55	440.02	447.30	-
Medical equipment rental .....	7352	10.44	10.30	10.50	10.43	-	407.16	407.88	392.70	388.00	-
Heavy construction equipment rental .....	7353	14.63	14.49	14.88	15.03	-	579.35	566.56	586.27	607.21	-
Equipment rental and leasing, nec .....	7359	10.21	10.20	10.45	10.52	-	397.17	398.82	405.46	412.38	-
<b>Personnel supply services:</b>											
Help supply services .....	7363	8.79	8.77	9.13	9.13	-	279.52	269.24	293.99	290.33	-
Computer and data processing services .....	737	17.76	17.80	18.24	18.28	-	671.33	678.18	685.82	687.33	-
Computer programming services .....	7371	20.61	20.67	21.08	21.08	-	785.24	799.93	801.04	801.04	-
Computer integrated systems design .....	7373	18.87	18.85	19.33	19.45	-	713.29	718.19	726.81	733.27	-
Information retrieval services .....	7375	14.48	14.77	14.70	14.71	-	534.31	536.15	557.13	567.81	-
Computer maintenance and repair .....	7378	14.22	14.40	13.87	13.99	-	561.69	567.36	546.48	551.21	-
<b>Miscellaneous business services</b>											
Detective and armored car services .....	7381	9.13	9.03	9.33	9.39	-	302.20	299.80	306.02	306.11	-
Security systems services .....	7382	7.11	7.02	7.26	7.29	-	240.32	240.79	244.66	246.40	-
Security systems services .....	7382	11.03	10.73	11.38	11.50	-	393.77	384.13	415.37	418.60	-
<b>Auto repair, services, and parking</b>											
Automotive rentals, without drivers .....	75	9.91	9.85	10.11	10.12	-	355.77	353.62	364.97	363.31	-
Automotive rentals, without drivers .....	751	9.69	9.66	9.74	9.71	-	350.78	350.66	350.64	352.47	-
Passenger car rental .....	7514	8.66	8.61	8.73	8.64	-	312.63	313.40	316.03	314.50	-
Automobile parking .....	752	7.26	7.25	7.20	7.21	-	240.31	240.70	239.04	237.21	-
Automotive repair shops .....	753	11.07	11.00	11.33	11.33	-	420.66	420.20	433.94	431.67	-
Automotive and tire repair shops .....	7532,4	11.60	11.54	11.87	11.90	-	433.84	432.75	453.43	452.20	-
General automotive repair shops .....	7538	11.08	10.99	11.30	11.31	-	416.61	416.52	427.14	424.13	-
Automotive services, except repair .....	754	7.38	7.27	7.67	7.61	-	228.78	222.46	240.84	233.63	-
Carwashes .....	7542	6.38	6.27	6.68	6.63	-	183.11	176.81	195.06	186.30	-
<b>Miscellaneous repair services</b>											
Miscellaneous repair services .....	76	11.66	11.56	11.94	11.96	-	445.41	436.97	450.14	450.89	-
<b>Motion pictures</b>											
Motion picture production and services .....	78	13.62	13.68	14.26	13.89	-	403.15	398.09	430.65	418.09	-
Motion picture production and services .....	781	19.62	19.46	19.55	19.07	-	761.26	737.53	764.41	745.64	-
Video tape rental .....	784	5.81	5.82	5.99	5.98	-	134.79	131.53	138.97	140.53	-
<b>Amusement and recreation services</b>											
Bowling centers .....	79	8.76	8.90	9.09	8.96	-	237.40	242.08	238.16	240.13	-
Bowling centers .....	793	6.79	6.71	6.79	6.90	-	168.39	165.74	171.79	170.43	-
Misc. amusement and recreation services .....	799	8.18	8.33	8.59	8.42	-	222.50	227.41	220.76	223.97	-
Physical fitness facilities .....	7991	8.13	8.18	8.14	8.01	-	152.84	156.24	146.52	143.38	-
Membership sports and recreation clubs .....	7997	8.41	8.54	8.89	8.80	-	241.37	244.24	242.70	246.40	-
<b>Health services</b>											
Offices and clinics of medical doctors .....	80	12.45	12.38	12.73	12.77	-	408.36	407.30	413.73	415.03	-
Offices and clinics of medical doctors .....	801	12.52	12.50	12.92	12.97	-	406.90	408.75	423.78	422.82	-
Offices and clinics of dentists .....	802	12.40	12.34	12.69	12.67	-	347.20	347.99	354.05	354.76	-
Offices and clinics of other health practitioners .....	804	11.43	11.36	11.80	11.80	-	341.76	344.21	349.28	348.10	-
Nursing and personal care facilities .....	805	8.76	8.73	8.91	8.96	-	283.82	283.73	284.23	287.62	-
Intermediate care facilities .....	8052	8.15	8.18	8.29	8.33	-	259.99	260.12	261.96	264.06	-
Hospitals .....	806	14.30	14.18	14.59	14.64	-	494.78	490.63	500.44	502.15	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	May 1996 <sup>a</sup>
<b>Services—Continued</b>											
Health services—Continued											
Home health care services .....	808	28.6	29.0	27.8	27.5	-	-	-	-	-	-
Legal services .....	81	34.8	35.3	34.7	34.5	-	-	-	-	-	-
Social services .....											
Individual and family services .....	83	31.2	31.4	30.8	30.8	-	-	-	-	-	-
Job training and related services .....	832	31.4	31.7	30.9	30.8	-	-	-	-	-	-
Child day care services .....	833	31.0	31.5	30.5	30.6	-	-	-	-	-	-
Residential care .....	835	29.8	29.7	29.6	29.6	-	-	-	-	-	-
Social services, nec .....	836	32.1	32.5	31.6	31.7	-	-	-	-	-	-
.....	839	31.5	31.9	31.5	31.3	-	-	-	-	-	-
Membership organizations:											
Professional organizations .....	862	34.9	35.3	34.3	34.4	-	-	-	-	-	-
Engineering and management services .....											
Engineering and architectural services .....	87	37.2	37.9	37.3	37.2	-	-	-	-	-	-
.....	871	38.9	38.8	38.7	38.7	-	-	-	-	-	-
Engineering services .....	8711	39.1	39.0	39.0	38.9	-	-	-	-	-	-
Architectural services .....	8712	38.1	38.2	37.8	38.1	-	-	-	-	-	-
Surveying services .....	8713	37.5	37.9	37.5	37.7	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	37.0	40.1	38.6	38.9	-	-	-	-	-	-
Research and testing services .....	873	36.1	36.3	36.2	36.0	-	-	-	-	-	-
Commercial physical research .....	8731	39.0	39.5	39.9	39.6	-	-	-	-	-	-
Commercial nonphysical research .....	8732	29.2	28.8	29.7	29.7	-	-	-	-	-	-
Noncommercial research organizations .....	8733	36.3	36.4	35.7	35.6	-	-	-	-	-	-
Management and public relations .....	874	36.1	36.6	35.8	35.3	-	-	-	-	-	-
Management services .....	8741	35.5	35.5	34.6	34.1	-	-	-	-	-	-
Management consulting services .....	8742	35.8	36.3	36.2	35.4	-	-	-	-	-	-
Public relations services .....	8743	33.9	34.7	35.7	35.2	-	-	-	-	-	-
Services, nec .....	89	37.3	37.8	36.1	36.3	-	-	-	-	-	-

See footnotes at end of table.

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

**B-15. Average hours and earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Services—Continued</b>											
<b>Health services—Continued</b>											
Home health care services .....	808	\$10.91	\$10.84	\$11.10	\$11.15	-	\$312.03	\$314.36	\$308.58	\$306.63	-
Legal services .....	81	16.07	16.09	16.42	16.46	-	559.24	567.98	569.77	567.87	-
Social services .....	83	8.33	8.32	8.48	8.48	-	259.90	261.25	261.18	261.18	-
Individual and family services .....	832	8.86	8.85	9.01	9.00	-	278.20	280.55	278.41	277.20	-
Job training and related services .....	833	8.15	8.20	8.22	8.18	-	252.65	258.30	250.71	250.31	-
Child day care services .....	835	7.05	7.06	7.30	7.28	-	210.09	209.68	216.08	215.49	-
Residential care .....	836	8.51	8.51	8.64	8.65	-	273.17	276.58	273.02	274.21	-
Social services, nec .....	839	9.84	9.78	10.03	10.13	-	309.96	311.98	315.95	317.07	-
<b>Membership organizations:</b>											
Professional organizations .....	862	15.96	15.97	16.23	16.26	-	557.00	563.74	556.69	559.34	-
Engineering and management services .....	87	15.78	15.80	16.09	16.17	-	587.02	598.82	600.16	601.52	-
Engineering and architectural services .....	871	17.29	17.34	17.82	17.84	-	672.58	672.79	689.63	690.41	-
Engineering services .....	8711	17.98	18.04	18.50	18.56	-	703.02	703.56	721.50	721.98	-
Architectural services .....	8712	15.70	15.75	16.28	16.24	-	598.17	601.65	615.38	618.74	-
Surveying services .....	8713	12.29	12.17	12.73	12.77	-	460.88	461.24	477.38	481.43	-
Accounting, auditing, and bookkeeping .....	872	14.07	14.10	13.94	14.04	-	520.59	565.41	538.08	546.16	-
Research and testing services .....	873	16.52	16.67	17.00	17.12	-	596.37	605.12	615.40	616.32	-
Commercial physical research .....	8731	18.87	19.08	19.43	19.36	-	735.93	753.66	775.26	766.66	-
Commercial nonphysical research .....	8732	12.34	12.60	12.79	13.06	-	360.33	362.88	379.86	387.88	-
Noncommercial research organizations .....	8733	18.62	18.42	19.50	19.75	-	675.91	670.49	696.15	703.10	-
Management and public relations .....	874	14.58	14.64	15.07	15.16	-	526.34	535.82	539.51	535.15	-
Management services .....	8741	13.16	13.25	13.47	13.75	-	467.18	470.38	466.06	468.88	-
Management consulting services .....	8742	16.96	17.12	17.24	17.25	-	607.17	621.46	624.09	610.65	-
Public relations services .....	8743	13.89	13.96	13.72	14.09	-	470.87	484.41	489.80	495.97	-
Services, nec .....	89	15.11	15.23	15.70	15.66	-	563.60	575.69	566.77	568.46	-

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

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

<sup>3</sup> Data relate to line-haul railroads with operating revenues of \$253.7 million or more in 1993 and to Amtrak.

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

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

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks and may differ from data previously published. See the article in this issue for additional information.

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

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

Because of special circumstances in the aerospace

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

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

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>
Average hourly earnings, excluding lump-sum payments .....	\$19.97	\$19.73	\$20.49	\$20.28	\$18.58	\$18.28	\$19.04	\$19.15
Average hourly earnings, including lump-sum payments .....	20.02	19.81	20.81	20.62	18.62	18.34	19.04	19.15

<sup>p</sup> = preliminary.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**B-16. Average hourly earnings, excluding overtime,<sup>1</sup> of production workers on manufacturing payrolls**

Industry	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Manufacturing</b> .....	<b>\$11.74</b>	<b>\$11.78</b>	<b>\$11.94</b>	<b>\$12.11</b>	<b>\$12.08</b>
<b>Durable goods</b> .....	<b>12.25</b>	<b>12.28</b>	<b>12.39</b>	<b>12.60</b>	<b>12.56</b>
Lumber and wood products .....	9.63	9.53	9.82	9.85	(?)
Furniture and fixtures .....	9.46	9.50	9.67	9.72	(?)
Stone, clay, and glass products .....	11.66	11.75	11.87	11.98	(?)
Primary metal industries .....	13.67	13.91	13.83	14.03	(?)
Fabricated metal products .....	11.48	11.54	11.69	11.81	(?)
Industrial machinery and equipment .....	12.50	12.48	12.64	12.75	(?)
Electronic and other electrical equipment .....	11.13	11.10	11.38	11.48	(?)
Transportation equipment .....	15.71	15.75	15.77	16.17	(?)
Instruments and related products .....	12.21	12.27	12.42	12.51	(?)
Miscellaneous manufacturing .....	9.69	9.70	9.88	9.97	(?)
<b>Nondurable goods</b> .....	<b>11.04</b>	<b>11.08</b>	<b>11.30</b>	<b>11.40</b>	<b>\$11.36</b>
Food and kindred products .....	10.33	10.41	10.56	10.66	(?)
Tobacco products .....	18.39	19.11	18.32	19.18	(?)
Textile mill products .....	8.95	8.96	9.10	9.18	(?)
Apparel and other textile products .....	7.46	7.49	7.66	7.75	(?)
Paper and allied products .....	13.42	13.51	13.66	13.76	(?)
Printing and publishing .....	11.85	11.79	12.04	12.09	(?)
Chemicals and allied products .....	14.79	14.86	15.17	15.36	(?)
Petroleum and coal products .....	18.10	18.30	17.98	18.08	(?)
Rubber and misc. plastics products .....	10.40	10.34	10.64	10.68	(?)
Leather and leather products .....	7.96	8.12	8.26	8.27	(?)

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Data in this table have been revised to reflect March 1995 benchmarks and may differ from data previously published. See the article in this issue for additional information.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

**B-17. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by major industry, in current and constant (1982) dollars**

Industry	Average hourly earnings					Average weekly earnings				
	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>	Avg. 1995	Apr. 1995	Mar. 1996	Apr. 1996 <sup>p</sup>	May 1996 <sup>p</sup>
<b>Total private:</b>										
Current dollars .....	\$11.44	\$11.39	\$11.69	\$11.75	\$11.74	\$394.68	\$390.68	\$399.80	\$401.85	\$402.68
Constant (1982) dollars .....	7.40	7.39	7.41	7.41	( <sup>2</sup> )	255.29	253.52	253.36	253.53	( <sup>2</sup> )
<b>Mining:</b>										
Current dollars .....	15.30	15.29	15.51	15.58	\$15.51	683.91	677.35	697.95	699.54	\$705.71
Constant (1982) dollars .....	9.90	9.92	9.83	9.83	( <sup>2</sup> )	442.37	439.55	442.30	441.35	( <sup>2</sup> )
<b>Construction:</b>										
Current dollars .....	15.08	14.92	15.13	15.19	\$15.28	585.10	562.48	576.45	586.33	\$592.86
Constant (1982) dollars .....	9.75	9.68	9.59	9.58	( <sup>2</sup> )	378.46	365.01	365.30	369.92	( <sup>2</sup> )
<b>Manufacturing:</b>										
Current dollars .....	12.37	12.30	12.54	12.73	\$12.71	514.59	496.92	517.90	524.48	\$528.74
Constant (1982) dollars .....	8.00	7.98	7.95	8.03	( <sup>2</sup> )	332.85	322.47	328.20	330.90	( <sup>2</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	14.23	14.15	14.44	14.50	\$14.42	562.09	560.34	570.38	569.85	\$568.15
Constant (1982) dollars .....	9.20	9.18	9.15	9.15	( <sup>2</sup> )	363.58	363.62	361.46	359.53	( <sup>2</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	12.43	12.47	12.67	12.76	\$12.74	476.07	477.60	482.73	486.16	\$486.67
Constant (1982) dollars .....	8.04	8.09	8.03	8.05	( <sup>2</sup> )	307.94	309.93	305.91	306.73	( <sup>2</sup> )
<b>Retail trade:</b>										
Current dollars .....	7.69	7.65	7.90	7.92	\$7.93	221.47	221.09	225.15	224.93	\$227.59
Constant (1982) dollars .....	4.97	4.96	5.01	5.00	( <sup>2</sup> )	143.25	143.47	142.68	141.91	( <sup>2</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	12.33	12.32	12.74	12.77	\$12.79	442.65	447.22	454.82	454.61	\$455.32
Constant (1982) dollars .....	7.98	7.99	8.07	8.06	( <sup>2</sup> )	286.32	290.21	288.23	286.82	( <sup>2</sup> )
<b>Services:</b>										
Current dollars .....	11.39	11.38	11.72	11.72	\$11.69	369.04	369.85	377.38	377.38	\$377.59
Constant (1982) dollars .....	7.37	7.38	7.43	7.39	( <sup>2</sup> )	238.71	240.01	239.15	238.09	( <sup>2</sup> )

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

<sup>2</sup> Not available.  
<sup>p</sup> = preliminary.

**NOTE:** The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Data in this table have been revised to reflect March 1995 benchmarks and may differ from data previously published. See the article in this issue for additional information.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>
<b>Alabama</b> .....	41.2	41.3	41.1	\$11.08	\$11.38	\$11.57	\$456.50	\$469.99	\$475.53
Birmingham .....	42.1	41.8	41.5	11.76	12.44	12.36	495.10	519.99	512.94
Mobile .....	42.4	43.8	43.6	13.28	13.33	13.54	563.07	583.85	590.34
<b>Alaska</b> .....	41.0	51.1	42.7	11.66	10.01	11.27	478.06	511.51	481.23
<b>Arizona</b> .....	42.1	43.2	42.6	11.22	11.43	11.48	472.36	493.78	489.05
<b>Arkansas</b> .....	40.0	41.0	40.9	9.90	10.22	10.31	396.00	419.02	421.68
Fayetteville-Springdale-Rogers .....	40.8	40.8	38.8	9.62	9.73	9.97	392.50	395.04	386.84
Fort Smith .....	39.4	42.0	41.1	9.62	10.06	10.12	379.03	422.52	415.93
Little Rock-North Little Rock .....	39.9	41.5	41.2	10.33	10.98	11.01	412.17	455.67	453.61
Pine Bluff .....	40.6	44.2	44.7	11.46	11.34	11.19	465.28	501.23	500.19
<b>California</b> .....	40.3	41.2	41.0	12.49	12.67	12.74	503.35	522.00	522.34
Bakersfield .....	40.8	41.0	40.8	13.32	13.44	13.54	543.46	551.04	552.43
Fresno .....	40.2	40.8	40.9	10.97	11.13	11.23	440.99	454.10	459.31
Los Angeles-Long Beach .....	41.8	42.3	42.1	11.79	11.85	11.90	492.82	501.26	500.99
Modesto .....	40.7	39.6	38.9	12.25	12.57	12.80	498.58	497.77	497.92
Oakland .....	41.6	42.5	42.1	15.38	15.31	15.40	638.98	650.68	648.34
Orange County .....	40.6	41.7	41.1	12.35	12.82	12.84	501.41	534.58	527.72
Riverside-San Bernardino .....	40.3	41.2	41.3	11.19	11.40	11.41	450.96	469.68	471.23
Sacramento .....	40.3	40.2	40.6	13.43	13.79	13.78	541.23	554.36	559.47
Salinas .....	38.9	38.5	41.8	13.43	13.50	13.55	522.43	519.75	566.39
San Diego .....	39.1	39.2	39.3	12.52	12.56	12.70	489.53	492.35	499.11
San Francisco .....	39.9	40.8	40.6	13.90	13.46	13.58	554.61	549.17	551.35
San Jose .....	40.9	41.7	40.4	15.23	15.82	15.77	622.91	659.69	637.11
Santa Barbara-Santa Maria-Lompoc .....	40.0	41.0	41.8	12.80	12.87	13.13	512.00	527.67	548.83
Santa Rosa .....	39.7	39.2	39.0	14.20	14.33	14.42	563.74	561.74	562.38
Stockton-Lodi .....	40.5	41.4	41.5	12.50	12.77	12.84	506.25	528.68	532.86
Vallejo-Fairfield-Napa .....	39.4	39.9	40.3	14.82	14.26	14.25	583.91	568.97	574.28
Ventura .....	40.2	41.7	41.6	12.06	12.26	12.37	484.81	511.24	514.59
<b>Colorado</b> .....	40.3	40.4	40.3	12.57	12.62	12.70	506.57	509.85	511.81
Denver .....	39.7	40.4	40.8	12.50	12.75	12.74	496.25	515.10	519.79
<b>Connecticut</b> .....	41.0	43.0	41.9	13.71	13.93	13.96	562.11	598.99	584.92
Bridgeport .....	41.4	42.6	41.8	14.03	14.45	14.60	580.84	615.57	610.28
Danbury .....	40.3	46.7	46.2	13.61	14.08	14.07	548.48	657.54	650.03
Hartford .....	41.0	42.8	41.7	13.98	14.41	14.45	573.18	616.75	602.57
New Haven-Meriden .....	39.3	41.2	40.2	12.85	13.12	13.21	505.01	540.54	531.04
New London-Norwich .....	42.3	43.3	40.4	14.53	14.59	14.59	614.62	631.75	589.44
Stamford-Norwalk .....	40.5	39.9	40.2	13.21	13.94	13.81	535.01	556.21	555.16
Waterbury .....	40.8	43.6	42.9	12.53	12.95	12.88	511.22	564.62	552.55
<b>Delaware</b> .....	39.8	40.3	40.0	14.08	13.58	14.49	560.38	547.27	579.60
Dover .....	39.6	41.0	41.1	12.60	12.57	12.69	498.96	515.37	521.56
Wilmington-Newark .....	40.5	41.9	41.2	16.54	16.60	17.62	669.87	695.54	725.94
<b>District of Columbia:</b>									
Washington PMSA .....	39.2	39.9	38.9	13.67	13.43	14.34	535.86	535.86	557.83
<b>Florida</b> .....	40.3	41.0	40.9	10.11	10.43	10.41	407.43	427.63	425.77
<b>Georgia</b> .....	41.0	42.0	41.8	10.59	10.97	11.04	434.19	460.74	459.26
Atlanta .....	41.7	42.1	42.0	11.48	11.79	11.85	478.72	496.36	497.70
Savannah .....	46.2	47.4	46.6	13.88	13.85	13.94	641.26	656.49	649.60
<b>Hawaii</b> .....	36.4	38.1	37.9	13.06	12.78	12.75	475.38	486.92	483.23
Honolulu .....	38.6	39.2	39.2	13.35	13.09	13.00	513.31	513.13	509.60
<b>Idaho</b> .....	39.1	38.9	39.8	11.53	12.33	12.19	450.82	479.64	485.16
<b>Illinois</b> .....	41.5	41.5	41.4	12.55	12.91	12.92	520.83	535.77	534.89
Bloomington-Normal .....	41.9	40.7	40.4	16.63	17.02	16.94	696.80	692.71	684.38
Champaign-Urbana .....	41.7	41.0	40.4	10.60	10.64	10.69	442.02	436.24	431.88
Chicago .....	41.4	41.8	41.6	12.45	12.82	12.83	515.43	535.88	533.73
Davenport-Moline-Rock Island .....	41.6	41.8	41.7	14.31	14.89	14.94	595.30	622.40	623.00
Decatur .....	42.4	41.6	42.3	14.95	15.71	15.84	633.88	653.54	670.03
Kankakee .....	40.6	40.8	40.9	13.32	13.97	14.03	540.79	569.98	573.83
Peoria-Pekin .....	40.0	40.4	40.6	15.19	15.80	15.85	607.60	638.32	643.51
Rockford .....	41.1	41.9	42.2	14.28	14.73	14.86	586.91	617.19	627.09
Springfield .....	40.2	41.0	41.7	11.61	11.74	11.79	466.72	481.34	491.64
<b>Indiana</b> .....	39.9	42.5	42.7	13.97	14.00	14.24	557.40	595.00	608.05
Bloomington .....	39.2	37.1	36.9	11.91	10.69	10.68	466.87	396.60	394.09
Elkhart-Goshen .....	37.2	39.6	39.9	11.09	12.27	12.22	412.55	485.89	487.58
Evansville-Henderson .....	38.4	41.4	40.8	14.31	12.83	12.84	549.50	531.16	523.87

See footnotes at end of table.



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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>a</sup>
<b>Indiana—Continued</b>									
Fort Wayne .....	41.3	41.0	41.9	\$13.93	\$14.36	\$14.88	\$575.31	\$588.76	\$623.47
Gary .....	39.8	42.4	41.9	18.33	16.72	18.90	729.53	793.73	791.91
Indianapolis .....	41.2	43.3	43.0	15.32	15.21	15.35	631.18	658.59	660.05
Kokomo .....	46.6	53.3	56.1	19.13	18.96	18.95	891.46	1,010.57	1,063.10
Lafayette .....	37.5	43.3	42.8	14.82	14.75	15.03	555.75	638.68	643.28
Muncie .....	42.8	43.6	43.4	15.14	14.85	14.80	647.99	647.46	642.32
South Bend .....	40.8	43.0	43.8	12.84	12.00	11.90	523.87	516.00	521.22
Terre Haute .....	39.7	42.3	41.8	14.18	13.58	13.66	562.95	574.43	570.99
<b>Iowa</b> .....	40.7	42.1	42.0	12.56	12.95	13.06	511.19	545.20	548.52
Cedar Rapids .....	39.0	40.6	41.0	15.54	16.07	15.75	606.06	652.44	645.75
Des Moines .....	40.1	41.7	41.7	12.97	13.82	14.00	520.10	576.29	583.80
Dubuque .....	39.2	41.4	41.3	13.33	13.91	13.84	522.54	575.87	571.59
Sioux City .....	40.1	38.7	40.2	10.42	10.54	10.69	417.84	407.90	429.74
<b>Kansas</b> .....	40.8	41.7	42.2	12.43	12.58	12.82	507.14	524.59	541.00
Topeka .....	39.8	44.2	42.5	14.25	14.09	14.11	567.15	622.78	599.68
Wichita .....	40.8	44.4	44.2	14.20	14.74	14.83	579.36	654.46	655.49
<b>Kentucky</b> .....	40.5	40.6	40.3	12.13	12.43	12.61	491.27	504.66	508.18
Lexington .....	41.7	41.7	39.6	13.27	13.24	13.86	553.36	552.11	548.86
Louisville .....	41.3	40.8	41.8	13.75	13.88	14.21	567.88	566.30	593.98
<b>Louisiana</b> .....	42.0	44.0	43.7	13.50	13.26	13.65	567.00	583.44	596.51
Baton Rouge .....	42.9	43.8	42.0	16.23	16.19	16.20	696.27	709.12	680.40
New Orleans .....	42.7	44.7	43.5	13.97	14.06	14.34	596.52	628.48	623.79
Shreveport-Bossier City .....	41.4	41.5	41.8	14.05	12.78	13.95	581.67	530.37	583.11
<b>Maine</b> .....	39.6	40.0	39.1	12.27	12.35	12.56	485.89	494.00	491.10
Lewiston-Auburn .....	39.0	37.9	38.5	10.42	10.94	10.90	406.38	414.63	419.65
Portland .....	38.4	38.3	37.1	11.04	11.02	11.16	423.94	422.07	414.04
<b>Maryland</b> .....	40.4	40.8	41.5	13.46	13.41	13.63	543.78	547.13	565.65
Baltimore PMSA .....	40.7	41.1	42.7	13.98	14.15	14.45	568.99	581.57	617.02
<b>Massachusetts</b> .....	41.2	42.0	41.3	12.73	13.02	13.02	524.48	546.84	537.73
Boston .....	40.8	41.9	41.0	13.54	13.95	13.92	552.43	584.51	570.72
Springfield .....	39.8	41.5	40.8	12.47	12.56	12.55	496.31	521.24	512.04
Worcester .....	41.3	41.9	41.2	12.31	12.58	12.61	508.40	527.10	519.53
<b>Michigan</b> .....	42.2	41.1	43.8	16.11	15.94	16.76	679.84	655.13	734.09
Ann Arbor .....	41.2	40.5	45.9	16.27	16.51	17.77	670.32	668.65	815.64
Detroit .....	43.7	43.4	45.8	17.47	17.91	18.56	763.44	777.29	850.05
Flint .....	45.6	35.3	47.4	21.06	19.93	21.16	960.34	703.53	1,002.98
Grand Rapids-Muskegon-Holland .....	40.4	39.9	40.7	13.65	13.83	14.07	551.46	551.82	572.65
Jackson .....	40.0	39.7	40.2	12.20	12.60	12.69	488.00	500.22	510.14
Kalamazoo-Battle Creek .....	41.1	41.5	43.1	14.96	15.43	15.84	614.86	640.34	682.70
Lansing-East Lansing .....	42.6	40.4	42.1	17.07	15.48	17.21	727.18	625.39	724.54
Saginaw-Bay City-Midland .....	44.6	41.8	48.2	18.34	18.30	19.55	817.96	764.94	942.31
<b>Minnesota</b> .....	41.1	41.5	41.5	12.79	13.10	13.10	525.67	543.65	543.65
Duluth-Superior .....	40.1	41.3	40.1	11.71	11.25	11.46	469.57	464.63	459.55
Minneapolis-St. Paul .....	41.1	41.8	41.6	13.69	14.07	14.03	562.66	588.13	583.65
St. Cloud .....	40.4	41.7	40.9	12.16	12.18	12.04	491.26	507.91	492.44
<b>Mississippi</b> .....	39.7	41.1	40.9	9.60	10.08	10.06	381.12	414.29	411.45
Jackson .....	39.4	40.2	39.9	10.49	11.10	11.20	413.31	446.22	446.88
<b>Missouri</b> .....	39.9	41.3	41.4	12.13	12.38	12.54	483.99	511.29	519.16
Kansas City .....	41.9	42.8	43.5	14.17	14.02	14.18	593.72	600.06	616.83
St. Louis .....	40.1	42.5	42.5	14.51	15.15	15.28	581.85	643.88	649.40
Springfield .....	38.4	40.3	40.2	9.97	10.56	10.47	382.85	425.57	420.89
<b>Montana</b> .....	39.4	38.7	38.7	13.14	12.92	12.83	517.72	500.00	496.52
<b>Nebraska</b> .....	40.2	41.3	41.2	11.12	11.36	11.53	447.02	469.17	475.04
Lincoln .....	40.6	44.3	44.3	12.28	12.97	12.88	498.57	574.57	570.58
Omaha .....	39.4	41.3	41.0	11.93	12.59	12.78	470.04	519.97	523.98
<b>Nevada</b> .....	40.5	39.5	39.7	12.63	13.76	13.86	511.52	543.52	550.24
Las Vegas .....	40.0	41.9	41.1	14.30	14.85	14.45	572.00	622.22	593.90
<b>New Hampshire</b> .....	41.1	42.2	41.9	11.84	12.02	12.21	486.62	507.24	511.60
Manchester .....	42.7	41.8	42.2	11.36	12.16	12.20	485.07	508.29	514.84
Nashua .....	40.6	42.1	40.9	14.64	14.78	15.13	594.38	622.24	618.82
Portsmouth-Rochester .....	38.3	41.9	41.8	12.06	12.04	11.99	461.90	504.48	501.18

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>New Jersey</b> .....	40.5	41.6	41.2	\$13.54	\$13.83	\$13.89	\$548.37	\$575.33	\$572.27
<b>New Mexico</b> .....	38.4	40.4	40.0	10.75	10.92	11.07	412.80	441.17	442.80
Albuquerque .....	38.7	41.0	40.4	11.14	11.04	11.08	431.12	452.64	447.63
<b>New York</b> .....	39.7	40.5	40.6	12.51	12.54	12.76	496.65	507.87	518.06
Albany-Schenectady-Troy .....	39.3	40.1	39.7	14.17	13.83	13.96	556.88	554.58	554.21
Binghamton .....	41.4	41.1	41.0	10.14	10.32	10.56	419.80	424.15	432.96
Buffalo-Niagara Falls .....	42.2	41.6	43.1	15.53	15.46	16.05	655.37	643.14	691.76
Dutchess County .....	38.3	37.3	39.2	11.49	11.46	11.45	440.07	427.46	448.84
Elmira .....	40.6	42.8	41.9	11.48	11.93	11.88	466.09	510.60	497.77
Nassau-Suffolk .....	39.2	39.7	38.3	11.60	11.69	11.95	454.72	472.03	457.69
New York PMSA .....	37.3	38.9	38.4	11.32	11.44	11.60	422.24	445.02	445.44
New York City .....	36.8	38.7	38.0	10.99	11.17	11.27	404.43	432.28	428.26
Newburgh .....	39.7	41.0	38.4	10.52	11.02	11.44	417.64	451.82	439.30
Rochester .....	41.5	42.8	42.4	14.44	14.21	14.39	599.26	608.19	610.14
Rockland County .....	42.7	43.6	42.8	14.43	15.10	15.29	616.16	658.36	654.41
Syracuse .....	42.5	43.1	43.3	13.60	13.76	14.00	578.00	593.06	606.20
Utica-Rome .....	39.1	40.1	40.2	10.96	11.51	11.57	428.54	461.55	465.11
Westchester County .....	40.0	39.1	40.9	12.88	12.49	13.04	515.20	488.36	533.34
<b>North Carolina</b> .....	39.4	40.3	39.7	10.49	10.79	10.79	413.31	434.84	428.36
Asheville .....	39.2	41.1	41.5	9.84	10.41	10.42	385.73	427.85	432.43
Charlotte-Gastonia-Rock Hill .....	39.5	40.5	39.2	11.03	11.45	11.46	435.69	463.73	449.23
Greensboro--Winston-Salem--High Point .....	39.0	40.3	39.8	10.84	11.07	11.18	422.76	446.12	444.96
Raleigh-Durham-Chapel Hill .....	40.5	42.0	41.1	11.29	11.69	11.65	457.25	490.98	478.82
<b>North Dakota</b> .....	40.3	44.6	43.2	11.03	10.74	10.84	444.51	479.00	468.29
Fargo-Moorhead .....	38.8	41.6	40.6	10.12	10.98	11.21	392.66	456.77	457.37
<b>Ohio</b> .....	42.3	42.3	43.2	14.31	14.28	14.72	605.31	604.04	635.90
Akron .....	41.7	42.6	42.2	11.77	12.17	12.13	490.81	518.44	511.89
Canton-Massillon .....	41.6	40.6	40.9	12.81	12.93	13.00	532.90	524.96	531.70
Cincinnati .....	43.1	42.4	42.6	13.69	14.10	14.23	590.04	597.84	606.20
Cleveland-Lorain-Elyria .....	42.6	42.7	43.4	14.07	14.32	14.70	599.38	611.46	637.98
Columbus .....	41.8	41.8	41.8	13.13	13.44	13.44	548.83	561.79	561.79
Dayton-Springfield .....	43.1	42.6	44.9	15.68	15.00	16.14	675.81	639.00	724.69
Hamilton-Middletown .....	44.7	45.6	45.3	16.00	16.23	16.10	715.20	740.09	729.33
Lima .....	44.1	42.9	43.4	15.65	14.92	15.09	690.17	640.07	654.91
Mansfield .....	42.9	41.6	43.1	14.61	15.06	15.36	626.77	626.50	662.02
Steubenville-Weirton .....	47.5	43.2	42.8	17.88	16.48	16.76	849.30	711.94	717.33
Toledo .....	42.3	43.5	46.2	15.94	16.15	16.59	674.26	702.53	766.46
Youngstown-Warren .....	43.7	40.7	43.2	15.54	14.74	16.00	679.10	599.92	691.20
<b>Oklahoma</b> .....	40.4	40.4	41.3	11.58	11.24	11.69	467.83	454.10	482.80
Oklahoma City .....	42.0	35.1	39.7	12.62	11.56	12.83	530.04	405.76	509.35
Tulsa .....	40.6	41.7	41.1	12.12	12.24	12.73	492.07	510.41	523.20
<b>Oregon</b> .....	40.4	40.0	39.9	12.68	13.03	13.03	512.27	521.20	519.90
Eugene-Springfield .....	41.3	40.5	40.2	12.39	12.78	13.02	511.71	517.59	523.40
Medford-Ashland .....	41.2	39.7	39.6	11.89	11.89	12.14	489.87	472.03	480.74
Portland-Vancouver .....	40.4	40.5	40.3	12.69	12.94	13.04	512.68	524.07	525.51
Salem .....	38.2	38.4	38.5	11.05	11.48	11.70	422.11	440.83	450.45
<b>Pennsylvania</b> .....	40.4	41.2	40.9	12.65	13.09	13.14	511.06	539.31	537.43
Allentown-Bethlehem-Easton .....	39.3	41.1	41.0	12.25	12.77	12.72	481.43	524.85	521.52
Altoona .....	39.9	39.7	39.9	10.45	11.16	11.25	416.96	443.05	448.88
Erie .....	41.7	42.2	42.2	13.05	13.30	13.47	544.19	561.26	568.43
Harrisburg-Lebanon-Carlisle .....	39.7	40.0	39.4	11.90	12.60	12.58	472.43	504.00	495.65
Johnstown .....	40.1	39.8	39.4	9.42	9.89	9.81	377.74	393.62	386.51
Lancaster .....	39.5	40.3	40.2	12.54	12.70	12.78	495.33	511.81	513.76
Philadelphia PMSA .....	40.0	40.8	40.5	13.76	14.15	14.25	550.40	577.32	577.13
Pittsburgh .....	42.6	42.2	42.2	13.92	14.23	14.29	592.99	600.51	603.04
Reading .....	40.6	41.6	41.4	13.10	13.58	13.60	531.86	564.93	563.04
Scranton--Wilkes-Barre--Hazleton .....	38.5	40.1	39.6	11.38	11.82	11.85	438.13	473.98	469.26
Sharon .....	40.7	43.0	41.8	13.52	13.91	13.86	550.26	598.13	579.35
State College .....	43.0	43.1	41.9	10.66	11.50	11.12	458.38	495.65	465.93
Williamsport .....	40.7	40.4	39.8	10.73	11.14	11.09	436.71	450.06	441.38
York .....	40.4	41.8	41.5	12.47	13.22	13.12	503.79	552.60	544.48

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Rhode Island</b> .....	39.6	40.8	40.0	\$10.57	\$10.85	\$10.86	\$418.57	\$442.68	\$434.40
Providence-Fall River-Warwick .....	38.6	40.3	39.6	10.84	10.89	11.00	418.42	438.87	435.60
<b>South Carolina</b> .....	41.6	41.9	41.6	10.12	10.25	10.24	420.99	429.48	425.98
<b>South Dakota</b> .....	39.4	41.1	41.3	9.69	9.47	9.47	381.79	389.22	391.11
Rapid City .....	40.4	40.2	40.2	9.44	9.54	9.48	381.38	383.51	381.10
Sioux Falls .....	40.6	42.1	42.2	9.89	9.92	9.92	401.53	417.63	418.62
<b>Tennessee</b> .....	39.5	40.1	40.0	10.79	11.14	11.22	426.21	446.71	448.80
Chattanooga .....	39.0	41.1	42.2	10.78	10.74	10.86	420.42	441.41	458.29
Johnson City-Kingsport-Bristol .....	38.9	39.3	40.3	11.22	11.32	11.39	436.46	444.88	459.02
Knoxville .....	37.8	39.4	38.3	11.15	10.80	10.78	421.47	425.52	412.87
Memphis .....	39.4	40.8	40.3	11.37	11.56	11.54	447.98	471.65	465.06
Nashville .....	40.3	40.2	40.4	11.57	11.50	11.79	466.27	462.30	476.32
<b>Texas</b> .....	42.1	42.5	42.5	11.37	11.76	11.79	478.68	499.80	501.08
Dallas .....	41.9	43.2	42.9	11.13	11.46	11.47	466.35	495.07	492.06
Fl. Worth-Arlington .....	41.2	41.7	42.0	12.39	12.06	12.28	510.47	502.90	515.76
Houston .....	43.2	44.6	44.1	13.85	14.02	13.98	598.32	625.29	616.52
San Antonio .....	41.1	41.2	41.6	9.30	9.29	9.42	382.23	382.75	391.87
<b>Utah</b> .....	39.2	39.8	40.1	11.67	12.09	12.08	457.46	481.18	484.41
Salt Lake City-Ogden .....	40.8	40.1	40.8	12.06	12.15	12.17	492.05	487.22	496.54
<b>Vermont</b> .....	39.3	40.5	39.9	12.08	12.31	12.32	474.74	498.56	491.57
Burlington .....	39.0	43.6	44.0	12.06	12.52	12.59	470.34	545.87	553.96
<b>Virginia</b> .....	40.5	41.9	41.1	11.57	12.05	12.25	468.59	504.90	503.48
Bristol .....	40.9	41.0	41.3	9.96	10.14	10.24	407.36	415.74	422.91
Charlottesville .....	38.7	41.6	43.2	10.12	10.19	10.43	391.64	423.90	450.58
Danville .....	41.2	41.3	39.2	10.79	11.55	12.15	444.55	477.02	476.28
Lynchburg .....	40.0	41.1	39.4	11.30	11.71	11.50	452.00	481.28	453.10
Northern Virginia .....	40.2	42.2	39.7	12.26	12.22	12.11	492.85	515.68	480.77
Richmond-Petersburg .....	42.9	43.6	44.4	14.69	15.58	16.09	630.20	679.29	714.40
Roanoke .....	40.0	40.4	38.5	12.47	12.91	13.13	498.80	521.56	505.51
<b>Washington</b> .....	40.3	40.7	40.4	14.01	14.68	14.56	564.60	597.48	588.22
<b>West Virginia</b> .....	42.2	41.2	41.5	12.83	12.75	12.83	541.43	525.30	532.45
Charleston .....	45.8	46.7	48.7	15.02	13.86	14.43	687.92	647.26	702.74
Huntington-Ashland .....	41.9	39.2	40.6	14.62	14.39	14.44	612.58	564.09	586.26
Parkersburg-Marietta .....	43.9	40.9	42.7	15.94	16.18	16.35	699.77	661.76	698.15
Wheeling .....	40.7	40.0	39.5	15.31	15.08	15.01	623.12	603.20	592.90
<b>Wisconsin</b> .....	41.2	41.8	41.8	12.64	12.92	13.05	520.77	540.06	545.49
Appleton-Oshkosh-Neenah .....	42.9	44.1	43.8	13.66	14.06	13.99	586.01	620.05	612.76
Eau Claire .....	46.1	48.8	47.6	13.04	13.33	13.49	601.14	650.50	642.12
Green Bay .....	42.9	42.8	42.0	13.52	13.90	13.96	580.01	594.92	586.32
Janesville-Beloit .....	44.6	41.6	45.4	17.15	16.01	17.18	764.89	666.02	779.97
Kenosha .....	38.6	38.5	38.3	13.70	13.70	13.71	528.82	527.45	525.09
La Crosse .....	38.0	41.1	40.8	10.34	11.53	11.45	392.92	473.88	467.16
Madison .....	39.9	41.1	40.2	11.78	12.58	12.28	470.02	517.04	493.66
Milwaukee-Waukesha .....	40.7	41.2	40.9	13.68	13.83	13.85	556.78	569.80	566.47
Racine .....	37.9	40.8	40.0	12.93	13.20	13.52	490.05	538.56	540.80
Sheboygan .....	39.8	41.7	42.3	12.41	12.72	13.02	493.92	530.42	550.75
Wausau .....	44.5	42.3	42.9	11.91	12.41	12.53	530.00	524.94	537.54
<b>Wyoming</b> .....	39.1	39.3	39.0	12.65	12.35	12.51	494.62	485.36	487.89
<b>Puerto Rico</b> .....	37.4	40.2	39.6	7.16	7.66	7.62	267.78	307.93	301.75
<b>Virgin Islands</b> .....	41.5	42.1	( <sup>1</sup> )	16.35	16.73	( <sup>1</sup> )	678.53	704.33	( <sup>1</sup> )

<sup>1</sup> Not available.

<sup>P</sup> = preliminary.

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

publication. All State and area data have been adjusted to March 1995 benchmarks.

**HOUSEHOLD DATA  
REGIONS AND DIVISIONS  
SEASONALLY ADJUSTED**

**C-1. Employment status of the civilian population for census regions and divisions, seasonally adjusted<sup>1</sup>**

(Numbers in thousands)

Census region and division	1995								1996				
	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.
<b>NORTHEAST</b>													
Civilian noninstitutional population <sup>2</sup> .....	39,565	39,568	39,570	39,578	39,587	39,597	39,603	39,605	39,631	39,603	39,603	39,609	39,615
Civilian labor force .....	25,359	25,271	25,400	25,307	25,345	25,301	25,286	25,241	25,228	25,175	25,481	25,614	25,821
Employed .....	23,851	23,753	23,866	23,769	23,811	23,866	23,825	23,706	23,776	23,740	23,874	24,133	24,269
Unemployed .....	1,507	1,519	1,535	1,539	1,534	1,435	1,462	1,535	1,452	1,435	1,607	1,481	1,551
Unemployment rate .....	5.9	6.0	6.0	6.1	6.1	5.7	5.8	6.1	5.8	5.7	6.3	5.8	6.0
<b>New England</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,231	10,234	10,238	10,241	10,247	10,251	10,256	10,259	10,230	10,263	10,265	10,270	10,273
Civilian labor force .....	6,917	6,898	6,932	6,902	6,930	6,954	6,991	6,965	6,907	6,887	6,933	7,027	7,093
Employed .....	6,555	6,517	6,530	6,536	6,567	6,601	6,669	6,612	6,554	6,542	6,581	6,695	6,714
Unemployed .....	362	381	403	367	363	353	322	354	353	345	353	333	380
Unemployment rate .....	5.2	5.5	5.8	5.3	5.2	5.1	4.6	5.1	5.1	5.0	5.1	4.7	5.4
<b>Middle Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,334	29,334	29,332	29,337	29,340	29,346	29,347	29,346	29,401	29,340	29,338	29,340	29,342
Civilian labor force .....	18,441	18,373	18,468	18,405	18,415	18,347	18,295	18,276	18,321	18,288	18,548	18,587	18,727
Employed .....	17,297	17,236	17,336	17,233	17,244	17,266	17,156	17,095	17,222	17,199	17,294	17,439	17,556
Unemployed .....	1,145	1,137	1,132	1,172	1,171	1,082	1,139	1,181	1,099	1,089	1,254	1,148	1,172
Unemployment rate .....	6.2	6.2	6.1	6.4	6.4	5.9	6.2	6.5	6.0	6.0	6.8	6.2	6.3
<b>SOUTH</b>													
Civilian noninstitutional population <sup>2</sup> .....	69,332	69,411	69,491	69,584	69,675	69,769	69,857	69,939	70,106	70,088	70,164	70,250	70,337
Civilian labor force .....	45,732	45,765	45,775	45,727	45,875	45,858	45,959	45,980	46,097	46,116	46,082	45,970	46,139
Employed .....	43,256	43,232	43,243	43,188	43,287	43,296	43,426	43,422	43,589	43,647	43,635	43,576	43,642
Unemployed .....	2,476	2,533	2,532	2,539	2,588	2,562	2,533	2,558	2,508	2,470	2,448	2,394	2,497
Unemployment rate .....	5.4	5.5	5.5	5.6	5.6	5.6	5.5	5.6	5.4	5.4	5.3	5.2	5.4
<b>South Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	35,836	35,878	35,920	35,970	36,017	36,067	36,113	36,157	36,262	36,235	36,276	36,322	36,369
Civilian labor force .....	23,615	23,626	23,689	23,670	23,603	23,617	23,605	23,609	23,642	23,678	23,706	23,768	23,996
Employed .....	22,410	22,398	22,456	22,460	22,375	22,368	22,362	22,350	22,435	22,505	22,512	22,623	22,762
Unemployed .....	1,205	1,227	1,233	1,210	1,228	1,248	1,244	1,259	1,207	1,173	1,194	1,145	1,234
Unemployment rate .....	5.1	5.2	5.2	5.1	5.2	5.3	5.3	5.3	5.1	5.0	5.0	4.8	5.1
<b>East South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	12,234	12,246	12,260	12,276	12,291	12,307	12,321	12,335	12,339	12,360	12,371	12,386	12,400
Civilian labor force .....	7,839	7,836	7,815	7,857	7,926	7,901	7,974	7,961	7,994	7,917	7,932	7,821	7,772
Employed .....	7,390	7,382	7,364	7,385	7,442	7,453	7,533	7,519	7,568	7,450	7,514	7,380	7,348
Unemployed .....	449	454	450	471	484	448	442	443	426	468	419	440	424
Unemployment rate .....	5.7	5.8	5.8	6.0	6.1	5.7	5.5	5.6	5.3	5.9	5.3	5.6	5.5
<b>West South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	21,262	21,287	21,311	21,338	21,367	21,395	21,423	21,447	21,506	21,494	21,517	21,543	21,569
Civilian labor force .....	14,278	14,304	14,272	14,201	14,346	14,341	14,379	14,409	14,462	14,521	14,444	14,382	14,372
Employed .....	13,456	13,452	13,423	13,343	13,471	13,475	13,531	13,554	13,586	13,692	13,609	13,573	13,532
Unemployed .....	822	852	849	858	876	867	848	856	876	829	835	809	840
Unemployment rate .....	5.8	6.0	5.9	6.0	6.1	6.0	5.9	5.9	6.1	5.7	5.8	5.6	5.8

See footnotes at end of table.

**HOUSEHOLD DATA  
REGIONS AND DIVISIONS  
SEASONALLY ADJUSTED**

**C-1. Employment status of the civilian population for census regions and divisions, seasonally adjusted<sup>1</sup>—Continued**

(Numbers in thousands)

Census region and division	1995								1996				
	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.
<b>MIDWEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	46,496	46,526	46,557	46,597	46,632	46,672	46,704	46,737	46,604	46,790	46,817	46,852	46,887
Civilian labor force .....	32,201	32,185	32,266	32,304	32,386	32,511	32,373	32,377	32,187	32,446	32,655	32,739	32,753
Employed .....	30,715	30,736	30,759	30,849	30,917	31,035	30,874	30,872	30,687	31,030	31,240	31,290	31,266
Unemployed .....	1,485	1,449	1,507	1,455	1,468	1,475	1,499	1,505	1,500	1,415	1,415	1,449	1,486
Unemployment rate .....	4.6	4.5	4.7	4.5	4.5	4.5	4.6	4.6	4.7	4.4	4.3	4.4	4.5
<b>East North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	32,807	32,826	32,846	32,871	32,895	32,921	32,942	32,963	32,896	32,998	33,015	33,039	33,061
Civilian labor force .....	22,443	22,372	22,368	22,399	22,359	22,522	22,399	22,348	22,286	22,470	22,618	22,693	22,684
Employed .....	21,357	21,312	21,304	21,301	21,285	21,425	21,265	21,214	21,137	21,424	21,618	21,673	21,595
Unemployed .....	1,086	1,059	1,064	1,098	1,074	1,097	1,135	1,134	1,149	1,046	1,000	1,020	1,089
Unemployment rate .....	4.8	4.7	4.8	4.9	4.8	4.9	5.1	5.1	5.2	4.7	4.4	4.5	4.8
<b>West North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	13,689	13,700	13,711	13,726	13,737	13,751	13,762	13,774	13,709	13,793	13,802	13,814	13,826
Civilian labor force .....	9,758	9,814	9,899	9,905	10,026	9,989	9,974	10,029	9,900	9,976	10,037	10,046	10,069
Employed .....	9,359	9,424	9,455	9,548	9,632	9,610	9,609	9,658	9,550	9,607	9,622	9,617	9,671
Unemployed .....	399	390	443	357	394	378	365	371	351	369	415	429	397
Unemployment rate .....	4.1	4.0	4.5	3.6	3.9	3.8	3.7	3.7	3.5	3.7	4.1	4.3	3.9
<b>WEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	42,846	42,893	42,940	42,996	43,049	43,105	43,157	43,203	43,292	43,291	43,338	43,389	43,440
Civilian labor force .....	28,725	28,777	28,922	28,918	28,939	28,956	29,079	28,945	29,131	29,137	29,201	28,990	29,169
Employed .....	26,715	26,884	26,980	26,992	27,074	27,053	26,990	27,060	27,138	27,164	27,251	26,990	27,253
Unemployed .....	2,010	1,893	1,942	1,926	1,865	1,903	2,089	1,885	1,993	1,974	1,951	1,913	1,916
Unemployment rate .....	7.0	6.6	6.7	6.7	6.4	6.6	7.2	6.5	6.8	6.8	6.7	6.6	6.6
<b>Mountain</b>													
Civilian noninstitutional population <sup>2</sup> .....	11,534	11,562	11,589	11,621	11,650	11,680	11,709	11,735	11,755	11,790	11,818	11,847	11,875
Civilian labor force .....	8,010	8,036	8,083	8,108	8,118	8,130	8,216	8,169	8,214	8,251	8,140	8,105	8,222
Employed .....	7,613	7,643	7,661	7,705	7,722	7,742	7,833	7,788	7,781	7,826	7,747	7,726	7,763
Unemployed .....	397	394	422	403	397	388	384	381	432	425	392	378	458
Unemployment rate .....	5.0	4.9	5.2	5.0	4.9	4.8	4.7	4.7	5.3	5.1	4.8	4.7	5.6
<b>Pacific</b>													
Civilian noninstitutional population <sup>2</sup> .....	31,312	31,331	31,351	31,375	31,399	31,425	31,448	31,468	31,538	31,502	31,520	31,542	31,565
Civilian labor force .....	20,715	20,740	20,839	20,810	20,820	20,826	20,863	20,776	20,917	20,887	21,062	20,798	20,947
Employed .....	19,102	19,241	19,319	19,287	19,352	19,312	19,157	19,272	19,356	19,338	19,503	19,263	19,489
Unemployed .....	1,613	1,499	1,520	1,523	1,468	1,514	1,706	1,504	1,561	1,549	1,558	1,534	1,458
Unemployment rate .....	7.8	7.2	7.3	7.3	7.1	7.3	8.2	7.2	7.5	7.4	7.4	7.4	7.0

<sup>1</sup> These estimates may differ from the results obtained from summing the official State estimates produced and published through the Local Area Unemployment Statistics (LAUS) program.

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

NOTE: The States (including the District of Columbia) that compose the various census divisions are: New England: Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; Middle Atlantic: New Jersey, New York, and Pennsylvania; South Atlantic: Delaware, District of

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

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
<b>Alabama</b>													
Civilian labor force .....	2,055.9	2,059.9	2,065.6	2,068.8	2,067.1	2,067.7	2,069.4	2,070.0	2,070.6	2,082.6	2,071.5	2,062.3	2,055.7
Employed .....	1,929.3	1,930.4	1,932.8	1,931.9	1,932.9	1,933.9	1,935.6	1,938.7	1,939.7	1,985.4	1,968.6	1,955.0	1,943.2
Unemployed .....	126.6	129.4	132.8	136.9	134.2	133.8	133.9	131.3	130.9	97.3	102.9	107.3	112.5
Unemployment rate .....	6.2	6.3	6.4	6.8	6.5	6.5	6.5	6.3	6.3	4.7	5.0	5.2	5.5
<b>Alaska</b>													
Civilian labor force .....	303.0	301.4	300.2	299.0	300.0	301.3	302.2	304.3	305.4	309.1	311.0	313.7	311.9
Employed .....	281.8	280.6	278.8	277.7	278.5	279.1	280.0	281.3	281.4	285.3	287.6	289.0	289.4
Unemployed .....	21.2	20.9	21.5	21.3	21.5	22.1	22.2	23.0	24.0	23.8	23.3	24.7	22.4
Unemployment rate .....	7.0	6.9	7.1	7.1	7.2	7.3	7.4	7.6	7.8	7.7	7.5	7.9	7.2
<b>Arizona</b>													
Civilian labor force .....	2,102.4	2,111.6	2,122.4	2,135.0	2,141.7	2,146.7	2,149.3	2,155.8	2,155.5	2,150.2	2,157.5	2,149.3	2,144.8
Employed .....	1,988.9	1,998.5	2,012.2	2,025.8	2,034.2	2,041.5	2,047.1	2,055.6	2,057.4	2,046.4	2,051.4	2,044.0	2,041.6
Unemployed .....	113.5	113.0	110.2	109.2	107.4	105.2	102.2	100.1	98.1	103.8	106.1	105.3	103.2
Unemployment rate .....	5.4	5.4	5.2	5.1	5.0	4.9	4.8	4.6	4.6	4.8	4.9	4.9	4.8
<b>Arkansas</b>													
Civilian labor force .....	1,215.5	1,213.8	1,220.0	1,223.1	1,226.9	1,227.0	1,226.7	1,228.1	1,229.8	1,238.4	1,236.7	1,234.2	1,230.0
Employed .....	1,159.5	1,159.0	1,162.6	1,162.7	1,164.3	1,166.4	1,167.5	1,169.3	1,171.2	1,177.0	1,176.4	1,173.2	1,173.4
Unemployed .....	56.1	54.9	57.4	60.4	62.6	60.6	59.2	58.8	58.6	61.4	60.3	61.0	56.6
Unemployment rate .....	4.6	4.5	4.7	4.9	5.1	4.9	4.8	4.8	4.8	5.0	4.9	4.9	4.6
<b>California</b>													
Civilian labor force .....	15,390.2	15,386.2	15,405.5	15,404.2	15,416.4	15,438.3	15,451.4	15,485.5	15,461.2	15,488.5	15,495.8	15,503.9	15,425.6
Employed .....	14,181.8	14,174.7	14,200.4	14,201.4	14,216.3	14,234.1	14,240.3	14,232.3	14,251.5	14,307.2	14,306.3	14,314.1	14,275.5
Unemployed .....	1,208.4	1,211.5	1,205.1	1,202.8	1,200.1	1,204.2	1,211.0	1,233.2	1,209.7	1,181.3	1,189.5	1,189.7	1,150.1
Unemployment rate .....	7.9	7.9	7.8	7.8	7.8	7.8	7.8	8.0	7.8	7.6	7.7	7.7	7.5
<b>Colorado</b>													
Civilian labor force .....	2,078.3	2,082.8	2,086.8	2,089.3	2,093.9	2,096.6	2,104.0	2,117.2	2,120.4	2,125.7	2,149.9	2,161.6	2,145.3
Employed .....	1,980.6	1,993.3	1,994.6	1,998.2	2,003.0	2,006.7	2,014.3	2,027.9	2,032.6	2,052.6	2,070.3	2,078.1	2,063.5
Unemployed .....	87.7	89.6	92.1	91.0	90.9	89.9	89.7	89.3	87.8	73.1	79.5	83.5	81.8
Unemployment rate .....	4.2	4.3	4.4	4.4	4.3	4.3	4.3	4.2	4.1	3.4	3.7	3.9	3.8
<b>Connecticut</b>													
Civilian labor force .....	1,709.8	1,706.8	1,704.9	1,706.0	1,706.9	1,707.1	1,707.6	1,707.0	1,704.7	1,746.1	1,747.3	1,744.2	1,748.7
Employed .....	1,618.2	1,614.7	1,611.7	1,612.0	1,612.3	1,611.7	1,612.2	1,611.1	1,609.4	1,653.2	1,657.6	1,655.2	1,662.6
Unemployed .....	91.6	92.2	93.3	94.1	94.6	95.4	95.4	95.8	95.2	93.0	89.7	89.0	86.1
Unemployment rate .....	5.4	5.4	5.5	5.5	5.5	5.6	5.6	5.6	5.6	5.3	5.1	5.1	4.9
<b>Delaware</b>													
Civilian labor force .....	381.1	380.7	379.5	380.8	381.4	381.5	381.7	382.2	381.9	383.5	383.8	383.9	385.1
Employed .....	365.3	364.4	362.7	364.8	365.2	364.2	364.0	363.8	363.6	365.3	368.0	366.5	367.0
Unemployed .....	15.8	16.2	16.7	16.0	16.3	17.3	17.7	18.3	18.3	18.2	15.7	17.4	18.1
Unemployment rate .....	4.2	4.3	4.4	4.2	4.3	4.5	4.6	4.8	4.8	4.7	4.1	4.5	4.7
<b>District of Columbia</b>													
Civilian labor force .....	285.0	284.1	281.1	280.5	279.4	280.3	281.5	279.9	280.2	280.8	282.4	277.4	266.9
Employed .....	259.6	258.7	255.4	254.9	254.0	254.6	256.0	255.0	255.3	257.4	259.4	253.0	244.5
Unemployed .....	25.3	25.5	25.7	25.7	25.4	25.8	25.5	24.8	24.9	23.4	23.0	24.3	22.4
Unemployment rate .....	8.9	9.0	9.1	9.2	9.1	9.2	9.0	8.9	8.9	8.3	8.1	8.8	8.4
<b>Florida</b>													
Civilian labor force .....	6,800.6	6,805.8	6,819.5	6,821.4	6,831.1	6,852.7	6,858.3	6,868.5	6,882.5	6,999.2	6,979.2	6,970.7	6,954.2
Employed .....	6,426.4	6,433.7	6,444.1	6,452.7	6,463.7	6,478.7	6,480.3	6,495.1	6,509.7	6,604.4	6,586.8	6,592.6	6,592.6
Unemployed .....	374.2	372.1	375.3	368.7	367.4	374.0	378.1	373.4	372.8	394.9	392.4	378.2	361.6
Unemployment rate .....	5.5	5.5	5.5	5.4	5.4	5.5	5.5	5.4	5.4	5.6	5.6	5.4	5.2

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
<b>Georgia</b>													
Civilian labor force .....	3,601.7	3,607.0	3,617.5	3,822.4	3,628.6	3,633.2	3,640.9	3,646.9	3,645.3	3,722.8	3,722.2	3,728.2	3,736.8
Employed .....	3,425.5	3,429.8	3,438.5	3,440.5	3,448.6	3,452.9	3,461.9	3,469.9	3,470.6	3,540.6	3,555.3	3,558.7	3,564.5
Unemployed .....	176.1	177.1	179.0	181.8	180.0	180.2	179.0	177.0	174.7	182.2	166.9	169.5	172.3
Unemployment rate .....	4.9	4.9	4.9	5.0	5.0	5.0	4.9	4.9	4.8	4.9	4.5	4.5	4.6
<b>Hawaii</b>													
Civilian labor force .....	580.8	581.3	581.4	580.5	580.2	578.8	579.3	578.6	579.6	584.9	585.9	587.1	588.8
Employed .....	547.3	547.6	547.4	546.0	545.0	544.1	544.7	544.9	545.2	550.8	551.5	552.7	554.5
Unemployed .....	33.8	33.7	34.0	34.6	35.1	34.7	34.6	33.7	34.4	34.0	34.4	34.4	34.3
Unemployment rate .....	5.8	5.8	5.9	6.0	6.1	6.0	6.0	5.8	5.9	5.8	5.9	5.9	5.8
<b>Idaho</b>													
Civilian labor force .....	594.6	595.9	596.8	597.2	598.1	599.0	600.7	604.7	604.7	610.9	617.2	616.8	613.5
Employed .....	563.4	563.8	565.2	564.9	566.2	566.8	568.5	570.6	571.8	580.4	587.2	585.4	583.8
Unemployed .....	31.2	32.1	31.6	32.2	32.0	32.2	32.2	34.2	32.9	30.6	30.0	31.4	29.7
Unemployment rate .....	5.2	5.4	5.3	5.4	5.3	5.4	5.4	5.7	5.4	5.0	4.9	5.1	4.8
<b>Illinois</b>													
Civilian labor force .....	6,073.8	6,089.0	6,079.7	6,085.9	6,084.0	6,089.4	6,111.0	6,108.5	6,109.8	6,141.8	6,148.3	6,150.9	6,139.0
Employed .....	5,783.3	5,756.3	5,769.8	5,772.1	5,760.4	5,774.0	5,794.1	5,792.2	5,786.9	5,811.4	5,832.0	5,837.8	5,825.0
Unemployed .....	310.3	312.7	309.9	313.8	323.6	315.4	316.9	316.4	322.9	330.4	316.3	313.0	314.0
Unemployment rate .....	5.1	5.2	5.1	5.2	5.3	5.2	5.2	5.2	5.3	5.4	5.1	5.1	5.1
<b>Indiana</b>													
Civilian labor force .....	3,138.9	3,140.6	3,139.5	3,123.9	3,125.0	3,138.5	3,144.1	3,128.9	3,120.7	3,102.5	3,131.8	3,113.9	3,104.7
Employed .....	2,990.1	2,992.4	2,991.3	2,976.5	2,980.7	2,995.3	2,998.3	2,981.0	2,977.5	2,962.7	2,992.5	2,981.5	2,974.8
Unemployed .....	148.8	148.1	148.2	147.4	144.2	143.2	145.8	147.9	143.2	139.8	139.4	132.4	129.8
Unemployment rate .....	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.7	4.6	4.5	4.5	4.3	4.2
<b>Iowa</b>													
Civilian labor force .....	1,559.1	1,559.6	1,558.4	1,547.8	1,550.3	1,557.7	1,568.9	1,564.3	1,559.6	1,559.0	1,591.7	1,595.2	1,610.4
Employed .....	1,504.9	1,504.5	1,503.2	1,495.0	1,496.2	1,503.7	1,514.7	1,508.9	1,505.9	1,506.3	1,535.4	1,541.8	1,554.8
Unemployed .....	54.2	55.1	55.2	52.8	54.1	54.1	54.2	55.4	53.7	52.7	56.3	53.4	55.6
Unemployment rate .....	3.5	3.5	3.5	3.4	3.5	3.5	3.5	3.5	3.4	3.4	3.5	3.3	3.5
<b>Kansas</b>													
Civilian labor force .....	1,327.3	1,327.4	1,328.0	1,329.1	1,329.3	1,330.3	1,333.0	1,334.5	1,333.2	1,357.7	1,357.2	1,354.1	1,356.3
Employed .....	1,265.9	1,266.9	1,268.2	1,269.5	1,271.3	1,272.8	1,276.3	1,278.5	1,278.3	1,306.4	1,307.0	1,303.3	1,302.0
Unemployed .....	61.4	60.5	59.8	59.6	58.0	57.5	56.7	56.1	54.9	51.3	50.2	50.8	54.3
Unemployment rate .....	4.6	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.1	3.8	3.7	3.8	4.0
<b>Kentucky</b>													
Civilian labor force .....	1,862.1	1,859.1	1,871.7	1,867.6	1,859.4	1,854.6	1,855.9	1,858.3	1,856.3	1,871.7	1,853.5	1,837.8	1,828.1
Employed .....	1,763.7	1,758.8	1,769.7	1,762.5	1,756.9	1,752.3	1,753.8	1,755.4	1,755.5	1,769.2	1,758.6	1,744.0	1,733.3
Unemployed .....	98.4	100.3	102.0	105.0	102.5	102.3	102.1	102.9	100.8	102.5	94.8	93.8	94.8
Unemployment rate .....	5.3	5.4	5.4	5.6	5.5	5.5	5.5	5.5	5.4	5.5	5.1	5.1	5.2
<b>Louisiana</b>													
Civilian labor force .....	1,955.2	1,958.1	1,955.1	1,952.8	1,954.4	1,959.4	1,958.0	1,960.2	1,961.9	1,982.8	1,975.9	1,986.9	1,984.9
Employed .....	1,814.0	1,818.1	1,819.8	1,820.4	1,825.2	1,830.1	1,829.8	1,832.8	1,834.1	1,851.9	1,844.5	1,863.1	1,860.6
Unemployed .....	141.2	137.9	135.3	132.4	129.2	129.4	128.2	127.4	127.9	130.9	131.5	123.8	124.3
Unemployment rate .....	7.2	7.1	6.9	6.8	6.6	6.6	6.5	6.5	6.5	6.6	6.7	6.2	6.3
<b>Maine</b>													
Civilian labor force .....	632.6	638.3	643.0	645.6	648.9	651.9	652.4	653.8	654.0	648.9	651.5	656.1	656.6
Employed .....	596.8	601.3	604.9	607.8	611.1	614.6	616.4	618.4	619.4	615.9	618.1	622.7	622.6
Unemployed .....	35.8	37.0	38.1	37.8	37.8	37.3	36.1	35.4	34.5	33.0	33.3	33.4	34.0
Unemployment rate .....	5.7	5.8	5.9	5.9	5.8	5.7	5.5	5.4	5.3	5.1	5.1	5.1	5.2

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
<b>Maryland</b>													
Civilian labor force .....	2,719.1	2,720.2	2,730.3	2,725.3	2,728.8	2,726.9	2,726.8	2,724.1	2,719.2	2,719.8	2,728.3	2,720.3	2,711.5
Employed .....	2,582.5	2,581.8	2,587.6	2,586.5	2,588.9	2,585.9	2,585.6	2,583.1	2,580.9	2,580.9	2,597.9	2,586.7	2,576.9
Unemployed .....	136.6	138.4	142.7	138.8	140.9	141.0	141.2	141.0	138.3	138.8	130.5	133.6	134.6
Unemployment rate .....	5.0	5.1	5.2	5.1	5.2	5.2	5.2	5.2	5.1	5.1	4.8	4.9	5.0
<b>Massachusetts</b>													
Civilian labor force .....	3,164.6	3,162.2	3,165.2	3,168.3	3,168.2	3,167.9	3,173.7	3,174.1	3,170.9	3,184.5	3,187.7	3,182.3	3,185.6
Employed .....	2,994.4	2,992.9	2,994.4	2,997.4	2,998.1	2,998.9	3,004.9	3,006.5	3,004.4	3,022.1	3,028.8	3,028.8	3,028.5
Unemployed .....	170.1	169.2	170.8	170.9	170.1	169.0	168.8	167.6	166.5	162.4	158.9	153.5	157.1
Unemployment rate .....	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.1	5.0	4.8	4.9
<b>Michigan</b>													
Civilian labor force .....	4,762.4	4,758.6	4,741.0	4,737.3	4,722.4	4,719.0	4,731.4	4,735.5	4,746.1	4,821.2	4,834.2	4,833.2	4,810.3
Employed .....	4,501.7	4,498.6	4,480.6	4,474.0	4,472.8	4,471.6	4,487.7	4,489.8	4,503.5	4,582.8	4,600.9	4,610.9	4,588.0
Unemployed .....	260.7	260.0	260.4	263.3	249.6	247.3	243.7	245.7	242.8	238.3	233.2	222.3	222.3
Unemployment rate .....	5.5	5.5	5.5	5.6	5.3	5.2	5.2	5.2	5.1	4.9	4.8	4.6	4.6
<b>Minnesota</b>													
Civilian labor force .....	2,584.1	2,582.0	2,570.9	2,580.9	2,592.5	2,595.4	2,587.4	2,593.3	2,598.9	2,607.2	2,591.8	2,601.3	2,623.9
Employed .....	2,488.3	2,484.8	2,474.4	2,485.2	2,498.5	2,499.6	2,490.4	2,494.9	2,499.9	2,524.8	2,510.8	2,511.3	2,527.7
Unemployed .....	95.8	97.2	96.4	95.7	94.1	95.8	97.0	98.4	99.0	82.4	80.9	90.0	96.2
Unemployment rate .....	3.7	3.8	3.8	3.7	3.6	3.7	3.7	3.8	3.8	3.2	3.1	3.5	3.7
<b>Mississippi</b>													
Civilian labor force .....	1,253.7	1,251.0	1,254.1	1,262.2	1,262.8	1,263.1	1,265.4	1,263.7	1,258.6	1,262.2	1,260.6	1,259.0	1,275.1
Employed .....	1,178.2	1,174.6	1,177.0	1,182.9	1,182.2	1,181.5	1,187.5	1,185.7	1,182.5	1,180.9	1,181.4	1,184.3	1,194.8
Unemployed .....	75.5	76.4	77.2	79.3	80.5	81.6	77.8	78.0	76.2	81.4	79.2	74.7	80.3
Unemployment rate .....	6.0	6.1	6.2	6.3	6.4	6.5	6.2	6.2	6.1	6.4	6.3	5.9	6.3
<b>Missouri</b>													
Civilian labor force .....	2,822.0	2,831.0	2,839.6	2,850.3	2,850.0	2,850.6	2,846.2	2,849.5	2,855.6	2,798.9	2,816.9	2,831.9	2,830.2
Employed .....	2,679.1	2,687.5	2,696.3	2,704.9	2,708.9	2,716.4	2,724.5	2,730.3	2,736.9	2,701.1	2,714.4	2,720.8	2,708.3
Unemployed .....	143.0	143.5	143.3	145.4	141.1	134.2	121.7	119.2	118.7	97.7	102.5	111.1	121.8
Unemployment rate .....	5.1	5.1	5.0	5.1	5.0	4.7	4.3	4.2	4.2	3.5	3.6	3.9	4.3
<b>Montana</b>													
Civilian labor force .....	434.3	433.9	434.2	434.8	434.9	434.3	435.7	436.6	438.8	445.8	448.6	445.9	445.9
Employed .....	409.4	408.3	408.4	409.0	408.4	407.9	409.1	409.6	412.0	420.1	423.2	422.6	420.4
Unemployed .....	24.9	25.5	25.8	25.9	26.4	26.4	26.6	27.0	26.8	25.7	25.3	23.3	25.5
Unemployment rate .....	5.7	5.9	5.9	6.0	6.1	6.1	6.1	6.2	6.1	5.8	5.6	5.2	5.7
<b>Nebraska</b>													
Civilian labor force .....	892.9	892.4	895.4	897.8	903.8	901.6	904.7	903.3	903.8	906.6	905.6	900.3	901.7
Employed .....	869.1	867.6	871.3	873.7	880.2	877.9	880.3	879.1	879.1	882.9	879.7	876.1	875.9
Unemployed .....	23.8	24.8	24.1	24.0	23.7	23.7	24.4	24.2	24.7	23.7	25.9	24.2	25.8
Unemployment rate .....	2.7	2.8	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.6	2.9	2.7	2.9
<b>Nevada</b>													
Civilian labor force .....	791.5	795.5	799.7	804.5	806.8	809.1	811.7	814.6	815.5	827.3	834.0	835.3	835.3
Employed .....	747.8	751.2	756.2	760.7	764.0	766.7	770.0	772.4	773.9	784.9	792.0	796.1	793.9
Unemployed .....	43.7	44.3	43.5	43.8	42.8	42.4	41.6	42.2	41.8	42.4	41.9	39.2	41.4
Unemployment rate .....	5.5	5.6	5.4	5.4	5.3	5.2	5.1	5.2	5.1	5.1	5.0	4.7	5.0
<b>New Hampshire</b>													
Civilian labor force .....	632.9	631.9	633.3	635.0	633.5	633.6	633.0	632.4	632.2	629.4	631.0	631.4	629.2
Employed .....	607.0	606.4	607.8	609.3	607.9	607.7	609.1	609.8	610.2	608.7	608.5	608.4	607.0
Unemployed .....	25.8	25.6	25.4	25.8	25.6	25.9	23.9	22.6	22.0	20.7	22.5	23.0	22.2
Unemployment rate .....	4.1	4.0	4.0	4.1	4.0	4.1	3.8	3.6	3.5	3.3	3.6	3.6	3.5

See footnotes at end of table.



**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
<b>New Jersey</b>													
Civilian labor force .....	4,055.0	4,057.4	4,063.6	4,067.2	4,071.8	4,074.1	4,079.4	4,082.6	4,080.4	4,063.1	4,072.1	4,075.3	4,084.8
Employed .....	3,798.2	3,798.9	3,801.5	3,805.7	3,809.1	3,811.8	3,816.8	3,817.2	3,816.7	3,802.4	3,810.7	3,813.0	3,815.2
Unemployed .....	256.8	258.5	262.1	261.5	262.7	262.2	262.6	265.3	263.8	260.7	261.4	262.3	269.6
Unemployment rate .....	6.3	6.4	6.5	6.4	6.5	6.4	6.4	6.5	6.5	6.4	6.4	6.4	6.6
<b>New Mexico</b>													
Civilian labor force .....	783.7	785.8	786.2	784.3	787.5	789.1	792.4	795.9	796.3	812.2	812.7	811.0	810.3
Employed .....	734.9	736.8	736.9	734.5	737.5	738.9	741.4	744.2	746.6	759.8	759.2	756.9	755.4
Unemployed .....	48.8	48.9	49.2	49.8	50.0	50.2	51.0	51.6	51.7	52.4	53.5	54.1	54.9
Unemployment rate .....	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.5	6.5	6.5	6.6	6.7	6.8
<b>New York</b>													
Civilian labor force .....	8,509.6	8,493.8	8,484.9	8,481.4	8,483.0	8,482.6	8,475.4	8,475.5	8,477.4	8,542.7	8,530.6	8,580.2	8,577.2
Employed .....	7,965.7	7,951.1	7,949.7	7,946.1	7,936.9	7,937.9	7,939.1	7,942.1	7,942.9	8,013.3	8,022.2	8,023.7	8,030.2
Unemployed .....	544.0	542.7	535.2	535.4	546.1	544.6	536.3	533.4	534.5	529.5	508.5	556.5	547.0
Unemployment rate .....	6.4	6.4	6.3	6.3	6.4	6.4	6.3	6.3	6.3	6.2	6.0	6.5	6.4
<b>North Carolina</b>													
Civilian labor force .....	3,628.1	3,628.1	3,633.6	3,638.2	3,634.1	3,645.1	3,649.9	3,653.6	3,662.1	3,691.4	3,706.7	3,713.0	3,721.6
Employed .....	3,473.2	3,471.7	3,475.9	3,477.9	3,473.8	3,483.1	3,490.4	3,490.8	3,494.2	3,507.2	3,542.9	3,550.2	3,557.1
Unemployed .....	154.9	156.4	157.7	160.3	160.3	162.0	159.5	162.8	167.9	184.2	163.8	162.9	164.5
Unemployment rate .....	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.5	4.6	5.0	4.4	4.4	4.4
<b>North Dakota</b>													
Civilian labor force .....	333.8	333.6	333.5	332.3	333.7	333.9	334.1	335.2	335.0	341.9	344.3	343.7	340.7
Employed .....	322.7	322.9	323.0	322.7	323.3	323.1	323.7	324.6	324.5	332.8	334.7	333.8	330.0
Unemployed .....	11.2	10.8	10.5	9.7	10.4	10.8	10.4	10.6	10.5	9.3	9.7	9.9	10.8
Unemployment rate .....	3.3	3.2	3.2	2.9	3.1	3.2	3.1	3.2	3.1	2.7	2.8	2.9	3.2
<b>Ohio</b>													
Civilian labor force .....	5,555.5	5,562.7	5,582.8	5,586.7	5,606.6	5,608.5	5,613.5	5,639.8	5,638.3	5,727.5	5,716.9	5,715.5	5,696.8
Employed .....	5,305.9	5,305.5	5,318.7	5,315.3	5,325.2	5,331.9	5,337.8	5,348.2	5,354.5	5,425.3	5,431.1	5,426.2	5,437.7
Unemployed .....	249.6	257.2	264.1	271.4	281.4	276.6	275.7	291.6	283.8	302.2	285.8	289.3	259.1
Unemployment rate .....	4.5	4.6	4.7	4.9	5.0	4.9	4.9	5.2	5.0	5.3	5.0	5.1	4.5
<b>Oklahoma</b>													
Civilian labor force .....	1,543.0	1,547.8	1,549.2	1,550.0	1,548.2	1,548.9	1,547.2	1,549.1	1,548.4	1,561.9	1,560.7	1,559.1	1,561.5
Employed .....	1,469.7	1,473.4	1,475.4	1,477.1	1,476.2	1,475.6	1,477.0	1,479.9	1,481.2	1,488.6	1,486.6	1,489.5	1,492.1
Unemployed .....	73.3	74.4	73.8	72.9	72.0	71.3	70.2	69.2	67.2	73.3	74.1	69.6	69.4
Unemployment rate .....	4.8	4.8	4.8	4.7	4.6	4.6	4.5	4.5	4.3	4.7	4.7	4.5	4.4
<b>Oregon</b>													
Civilian labor force .....	1,655.0	1,654.4	1,650.8	1,650.8	1,650.4	1,649.0	1,650.9	1,653.4	1,656.0	1,682.6	1,706.5	1,736.4	1,732.9
Employed .....	1,576.7	1,572.1	1,569.6	1,570.9	1,569.4	1,567.3	1,567.8	1,570.3	1,575.1	1,600.4	1,622.9	1,648.1	1,640.0
Unemployed .....	78.4	82.3	81.0	79.9	81.0	81.8	83.1	83.1	80.9	82.2	83.6	88.3	92.8
Unemployment rate .....	4.7	5.0	4.9	4.8	4.9	5.0	5.0	5.0	4.9	4.9	4.9	5.1	5.4
<b>Pennsylvania</b>													
Civilian labor force .....	5,837.6	5,833.4	5,839.0	5,840.7	5,840.0	5,838.3	5,842.7	5,852.4	5,843.0	5,844.0	5,844.2	5,870.8	5,866.1
Employed .....	5,497.3	5,492.2	5,496.1	5,497.9	5,496.6	5,493.0	5,499.6	5,498.4	5,495.0	5,482.6	5,520.1	5,540.6	5,533.6
Unemployed .....	340.3	341.1	342.9	342.8	343.4	345.3	343.1	354.0	348.0	361.3	324.1	330.2	332.5
Unemployment rate .....	5.8	5.8	5.9	5.9	5.9	5.9	5.9	6.0	6.0	6.2	5.5	5.6	5.7
<b>Rhode Island</b>													
Civilian labor force .....	485.5	484.7	484.6	482.3	483.8	483.6	483.2	482.8	483.1	489.2	487.8	488.2	488.8
Employed .....	452.5	450.5	449.9	447.6	449.4	449.4	449.8	449.8	449.8	458.3	458.9	463.2	463.7
Unemployed .....	33.0	34.2	34.7	34.7	34.4	34.2	33.4	33.0	33.3	30.9	28.8	25.0	25.0
Unemployment rate .....	6.8	7.0	7.2	7.2	7.1	7.1	6.9	6.8	6.9	6.3	5.9	5.1	5.1

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1995									1996			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>
<b>South Carolina</b>													
Civilian labor force .....	1,848.6	1,858.7	1,858.3	1,862.1	1,867.1	1,874.3	1,874.7	1,872.3	1,874.6	1,864.6	1,850.0	1,849.7	1,865.9
Employed .....	1,758.3	1,766.9	1,766.3	1,767.0	1,773.2	1,778.4	1,777.2	1,773.6	1,775.5	1,763.3	1,763.3	1,759.8	1,762.8
Unemployed .....	90.3	91.8	92.0	95.1	93.9	95.8	97.5	98.7	99.1	101.2	86.7	89.8	103.1
Unemployment rate .....	4.9	4.9	5.0	5.1	5.0	5.1	5.2	5.3	5.3	5.4	4.7	4.9	5.5
<b>South Dakota</b>													
Civilian labor force .....	380.9	380.1	382.0	382.6	382.8	383.3	383.9	384.7	385.2	387.1	388.5	389.6	389.1
Employed .....	369.2	370.1	371.2	371.5	371.7	372.2	372.9	373.4	373.9	376.2	377.3	377.9	376.6
Unemployed .....	11.7	10.1	10.7	11.2	11.1	11.1	11.1	11.3	11.3	10.9	11.2	11.7	12.5
Unemployment rate .....	3.1	2.7	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.9	3.0	3.2
<b>Tennessee</b>													
Civilian labor force .....	2,695.8	2,700.7	2,707.0	2,717.9	2,712.3	2,722.7	2,728.8	2,732.7	2,738.3	2,753.7	2,748.2	2,770.0	2,751.0
Employed .....	2,562.9	2,564.2	2,565.7	2,566.6	2,566.6	2,575.1	2,578.5	2,581.4	2,585.5	2,600.7	2,599.3	2,630.1	2,617.7
Unemployed .....	132.9	136.5	141.3	151.3	145.8	147.6	150.3	151.4	152.8	153.0	148.8	139.9	133.3
Unemployment rate .....	4.9	5.1	5.2	5.6	5.4	5.4	5.5	5.5	5.6	5.6	5.4	5.0	4.8
<b>Texas</b>													
Civilian labor force .....	9,517.5	9,538.2	9,566.7	9,562.4	9,586.3	9,605.9	9,632.7	9,662.5	9,668.3	9,702.4	9,727.0	9,716.3	9,713.2
Employed .....	8,954.9	8,968.1	8,982.5	8,979.9	9,001.9	9,022.0	9,042.8	9,063.1	9,079.6	9,106.5	9,145.2	9,130.3	9,124.6
Unemployed .....	562.5	570.1	584.2	582.5	584.4	583.9	589.9	599.3	588.8	596.0	581.8	586.0	588.7
Unemployment rate .....	5.9	6.0	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.1	6.0	6.0	6.1
<b>Utah</b>													
Civilian labor force .....	968.8	967.4	968.9	968.5	970.1	970.8	972.0	973.8	975.0	1,006.4	1,008.0	1,005.3	1,009.1
Employed .....	933.2	931.7	932.9	933.5	935.2	936.7	938.4	940.9	944.4	975.3	975.9	973.2	978.0
Unemployed .....	35.7	35.7	35.9	34.9	34.9	34.2	33.6	32.9	30.6	31.1	32.0	32.1	31.1
Unemployment rate .....	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.1	3.1	3.2	3.2	3.1
<b>Vermont</b>													
Civilian labor force .....	318.5	318.6	318.7	319.0	319.5	320.3	321.3	322.5	322.2	325.3	324.8	326.0	323.4
Employed .....	305.5	305.6	305.2	305.3	305.7	306.5	307.7	308.2	308.7	311.7	311.6	313.1	310.6
Unemployed .....	13.0	13.0	13.4	13.7	13.8	13.7	13.7	14.3	13.5	13.7	13.2	12.9	12.7
Unemployment rate .....	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.4	4.2	4.2	4.1	3.9	3.9
<b>Virginia</b>													
Civilian labor force .....	3,483.9	3,489.2	3,495.5	3,496.2	3,504.9	3,506.9	3,513.4	3,520.0	3,517.0	3,489.4	3,478.8	3,467.2	3,474.2
Employed .....	3,327.5	3,331.2	3,338.1	3,339.4	3,344.8	3,347.8	3,353.4	3,360.7	3,362.6	3,334.2	3,337.1	3,329.8	3,325.9
Unemployed .....	156.4	158.0	157.4	156.9	160.1	159.1	160.0	159.2	154.4	155.2	141.7	137.4	148.3
Unemployment rate .....	4.5	4.5	4.5	4.5	4.6	4.5	4.6	4.5	4.4	4.4	4.1	4.0	4.3
<b>Washington</b>													
Civilian labor force .....	2,790.7	2,805.4	2,815.8	2,815.2	2,821.9	2,818.9	2,823.7	2,827.8	2,823.7	2,828.4	2,825.1	2,845.8	2,840.9
Employed .....	2,613.1	2,625.5	2,634.7	2,634.6	2,637.6	2,638.5	2,643.4	2,645.5	2,647.1	2,661.2	2,656.7	2,671.0	2,663.9
Unemployed .....	177.6	179.9	181.2	180.6	184.3	180.3	180.3	182.3	176.6	167.2	168.4	174.8	177.1
Unemployment rate .....	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	5.9	6.0	6.1	6.2
<b>West Virginia</b>													
Civilian labor force .....	787.8	787.7	790.6	790.4	792.8	793.0	794.1	796.3	792.8	805.3	802.9	805.3	804.2
Employed .....	727.0	726.1	728.5	726.7	729.4	729.5	731.5	731.4	732.0	737.5	743.3	740.9	742.4
Unemployed .....	60.9	61.6	62.1	63.7	63.4	63.5	62.6	65.0	60.8	67.8	59.6	64.4	61.8
Unemployment rate .....	7.7	7.8	7.9	8.1	8.0	8.0	7.9	8.2	7.7	8.4	7.4	8.0	7.7
<b>Wisconsin</b>													
Civilian labor force .....	2,843.2	2,845.4	2,846.8	2,847.7	2,850.8	2,852.2	2,856.1	2,858.8	2,858.3	2,873.2	2,898.0	2,919.3	2,913.7
Employed .....	2,736.3	2,740.2	2,746.2	2,747.9	2,750.5	2,747.8	2,749.3	2,750.8	2,752.1	2,761.1	2,784.4	2,812.3	2,808.1
Unemployed .....	107.0	105.2	100.7	99.8	100.3	104.5	106.8	108.0	106.2	112.1	113.6	106.9	105.6
Unemployment rate .....	3.8	3.7	3.5	3.5	3.5	3.7	3.7	3.8	3.7	3.9	3.9	3.7	3.6
<b>Wyoming</b>													
Civilian labor force .....	255.9	255.8	256.4	255.7	256.0	256.5	256.6	256.6	256.5	256.1	256.2	257.3	259.5
Employed .....	243.3	242.8	244.0	243.8	244.1	244.3	244.6	244.7	245.2	245.3	245.6	245.3	246.5
Unemployed .....	12.5	13.0	12.4	11.9	12.0	12.2	12.0	11.9	11.2	10.8	10.6	12.0	13.0
Unemployment rate .....	4.9	5.1	4.8	4.7	4.7	4.7	4.7	4.6	4.4	4.2	4.1	4.7	5.0

<sup>P</sup> = preliminary.

NOTE: Data refer to place of residence. All estimates are provisional and will be

revised when new benchmark and population information becomes available.

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

**C-3. Labor force status by State and selected metropolitan areas**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Alabama</b> .....	2,055.9	2,046.8	2,055.4	121.8	97.6	107.5	5.9	4.8	5.2
Birmingham .....	437.4	437.0	437.3	18.0	12.9	14.1	4.1	3.0	3.2
Huntsville .....	161.0	159.0	159.5	7.7	5.3	5.5	4.8	3.3	3.4
Mobile .....	251.9	256.9	258.2	16.7	12.5	13.5	6.6	4.9	5.2
Montgomery .....	152.3	151.6	152.4	8.2	5.4	6.0	5.4	3.5	4.0
Tuscaloosa .....	75.8	76.0	75.9	3.6	2.6	2.6	4.7	3.4	3.5
<b>Alaska</b> .....	300.0	309.0	309.0	22.0	27.5	23.3	7.3	8.9	7.5
Anchorage .....	133.2	135.2	134.9	7.1	8.2	7.1	5.3	6.0	5.2
<b>Arizona</b> .....	2,087.4	2,131.8	2,129.5	102.5	93.9	92.0	4.9	4.4	4.3
Phoenix-Mesa .....	1,333.2	1,373.0	1,369.0	44.4	43.2	40.7	3.3	3.1	3.0
Tucson .....	371.1	372.5	371.3	11.6	12.2	11.1	3.1	3.3	3.0
<b>Arkansas</b> .....	1,215.5	1,228.3	1,230.0	55.8	63.7	56.3	4.6	5.2	4.6
Fayetteville-Springdale-Rogers .....	134.2	136.0	136.9	2.9	4.0	3.4	2.2	3.0	2.5
Fort Smith .....	95.0	94.3	94.5	4.7	5.4	4.5	4.9	5.7	4.8
Little Rock-North Little Rock .....	291.6	296.0	296.5	9.7	10.6	9.5	3.3	3.6	3.2
Pine Bluff .....	36.7	36.6	36.6	2.8	2.5	2.3	7.7	7.0	6.2
<b>California</b> .....	15,292.0	15,409.5	15,326.0	1,184.4	1,194.3	1,125.4	7.7	7.8	7.3
Bakersfield .....	270.2	277.5	277.4	36.8	41.2	36.5	13.6	14.9	13.2
Fresno .....	419.8	406.6	413.9	62.9	66.4	60.9	15.0	16.3	14.7
Los Angeles-Long Beach .....	4,346.2	4,384.4	4,349.2	323.8	365.4	355.0	7.5	8.3	8.2
Modesto .....	191.6	190.9	189.4	32.9	31.6	30.5	17.2	16.6	16.1
Oakland .....	1,132.7	1,130.9	1,124.7	64.4	58.2	55.7	5.7	5.1	5.0
Orange County .....	1,313.9	1,330.5	1,321.3	66.7	56.6	53.8	5.1	4.3	4.1
Riverside-San Bernardino .....	1,275.9	1,295.4	1,282.7	103.7	98.3	94.4	8.1	7.6	7.4
Sacramento .....	705.1	725.1	716.3	47.3	46.9	43.2	6.7	6.5	6.0
Salinas .....	173.9	174.8	176.9	22.8	26.9	21.9	13.1	15.4	12.4
San Diego .....	1,213.1	1,224.1	1,213.8	75.8	68.2	63.7	6.3	5.6	5.2
San Francisco .....	883.8	888.0	882.7	45.2	37.0	36.0	5.1	4.2	4.1
San Jose .....	852.2	874.5	870.9	45.5	33.1	30.9	5.3	3.8	3.5
Santa Barbara-Santa Maria-Lompoc .....	194.8	191.8	193.1	12.6	12.4	10.6	6.4	6.5	5.5
Santa Rosa .....	222.4	227.3	225.7	13.1	11.6	10.6	5.9	5.1	4.7
Stockton-Lodi .....	241.6	240.1	241.4	31.5	30.9	29.5	13.0	12.9	12.2
Vallejo-Fairfield-Napa .....	228.9	229.5	227.8	17.3	17.6	16.9	7.5	7.7	7.4
Ventura .....	380.4	384.3	381.6	23.6	24.2	22.3	6.2	6.3	5.9
<b>Colorado</b> .....	2,040.7	2,128.2	2,107.5	81.7	88.6	76.0	4.0	4.2	3.6
Boulder-Longmont .....	158.6	163.1	160.7	5.9	5.8	5.1	3.7	3.6	3.1
Colorado Springs .....	225.1	239.0	237.3	10.7	11.0	9.4	4.8	4.6	4.0
Denver .....	1,032.0	1,067.6	1,057.0	37.3	40.1	34.7	3.6	3.8	3.3
<b>Connecticut</b> .....	1,693.5	1,735.1	1,731.5	86.4	89.8	80.6	5.1	5.2	4.7
Bridgeport .....	217.3	222.2	221.8	12.6	13.2	11.9	5.8	5.9	5.3
Danbury .....	107.8	108.4	108.1	3.8	3.9	3.5	3.5	3.6	3.3
Hartford .....	589.0	603.2	598.8	32.8	33.4	29.5	5.6	5.5	4.9
New Haven-Meriden .....	264.9	270.8	271.3	13.1	14.3	13.0	5.0	5.3	4.8
New London-Norwich .....	148.4	152.1	152.1	7.1	7.5	6.9	4.8	4.9	4.5
Stamford-Newark .....	183.7	190.6	190.6	6.6	6.5	5.7	3.6	3.4	3.0
Waterbury .....	114.9	118.5	118.9	6.9	7.0	6.6	6.0	5.9	5.6
<b>Delaware</b> .....	378.9	382.0	382.8	15.0	18.5	17.2	4.0	4.8	4.5
Dover .....	69.0	69.9	70.2	3.1	3.1	3.6	4.5	4.5	5.2
Wilmington-Newark .....	281.0	286.2	284.5	11.2	17.0	13.1	4.0	6.0	4.6
<b>District of Columbia</b> .....	283.0	276.0	264.8	24.1	23.8	21.1	8.5	8.6	8.0
Washington .....	2,546.5	2,542.4	2,529.6	99.1	94.8	88.3	3.9	3.7	3.5
<b>Florida</b> .....	6,752.0	6,936.7	6,928.9	348.4	344.1	336.3	5.2	5.0	4.9
Daytona Beach .....	186.5	189.7	187.6	8.8	8.1	7.6	4.7	4.3	4.0
Fort Lauderdale .....	708.4	735.9	734.8	40.0	37.6	37.4	5.6	5.1	5.1
Fort Myers-Cape Coral .....	169.5	176.6	175.6	6.3	6.7	6.2	3.7	3.8	3.5
Gainesville .....	99.3	101.5	101.2	2.7	2.9	2.7	2.7	2.9	2.7
Jacksonville .....	497.1	505.3	507.1	18.4	17.4	17.1	3.7	3.4	3.4
Lakeland-Winter Haven .....	194.1	197.9	197.5	10.9	10.7	10.3	5.6	5.4	5.2
Melbourne-Titusville-Palm Bay .....	199.9	197.8	197.2	12.7	11.6	11.2	6.4	5.9	5.7
Miami .....	1,015.0	1,046.0	1,043.3	73.6	73.9	75.7	7.2	7.1	7.3
Orlando .....	741.6	754.8	758.2	33.2	30.2	28.9	4.5	4.0	3.8
Pensacola .....	164.4	168.8	169.4	6.4	6.9	6.7	3.9	4.1	4.0
Sarasota-Bradenton .....	225.1	235.0	234.2	7.6	8.1	7.6	3.4	3.5	3.2
Tallahassee .....	141.0	145.6	145.7	4.1	4.4	4.4	2.9	3.1	3.0
Tampa-St. Petersburg-Clearwater .....	1,079.7	1,111.4	1,108.4	46.2	44.5	42.8	4.3	4.0	3.9
West Palm Beach-Boca Raton .....	445.9	457.7	454.4	29.3	28.7	28.5	6.6	6.3	6.3

See footnotes at end of table.

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

**C-3. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1995	Mar. 1996	Apr. 1996P	Apr. 1995	Mar. 1996	Apr. 1996P	Apr. 1995	Mar. 1996	Apr. 1996P
<b>Georgia</b> .....	3,578.2	3,725.3	3,713.6	160.5	170.1	156.2	4.5	4.6	4.2
Albany .....	52.5	55.4	54.8	3.0	3.4	3.1	5.7	6.2	5.6
Athens .....	68.1	71.8	71.4	1.9	2.3	2.2	2.8	3.1	3.0
Atlanta .....	1,857.7	1,940.2	1,937.7	77.9	74.2	67.9	4.2	3.8	3.5
Augusta-Aiken .....	201.7	198.6	199.3	10.5	12.1	11.7	5.2	6.1	5.9
Columbus .....	112.9	117.1	116.9	5.9	6.0	5.6	5.3	5.2	4.8
Macon .....	141.4	144.7	144.7	6.9	7.0	6.4	4.9	4.9	4.4
Savannah .....	124.9	128.1	129.1	6.3	5.9	6.2	5.0	4.6	4.8
<b>Hawaii</b> .....	581.5	584.7	589.8	33.4	32.5	34.2	5.7	5.6	5.8
Honolulu .....	422.9	425.8	428.8	19.0	19.4	20.5	4.5	4.6	4.8
<b>Idaho</b> .....	589.9	610.5	608.8	33.2	36.9	31.6	5.6	6.0	5.2
Boise City .....	194.5	207.7	206.4	7.8	9.0	7.8	4.0	4.3	3.8
<b>Illinois</b> .....	6,047.1	6,099.3	6,112.7	312.9	331.5	316.9	5.2	5.4	5.2
Bloomington-Normal .....	79.3	79.6	79.7	2.2	2.8	2.6	2.8	3.6	3.3
Champaign-Urbana .....	93.1	92.0	93.4	2.6	3.1	2.8	2.8	3.3	3.0
Chicago .....	3,997.8	4,048.1	4,054.3	207.6	208.2	201.8	5.2	5.1	5.0
Davenport-Moline-Rock Island .....	179.5	178.9	180.8	7.8	8.4	7.7	4.4	4.7	4.3
Decatur .....	60.3	59.1	59.2	4.3	4.5	4.5	7.1	7.6	7.5
Kankakee .....	52.1	52.1	52.3	3.5	3.3	3.0	6.8	6.3	5.7
Peoria-Pekin .....	177.8	181.9	182.1	7.2	12.3	11.5	4.1	6.7	6.3
Rockford .....	191.4	193.9	194.1	8.5	9.5	8.5	4.4	4.9	4.4
Springfield .....	105.3	105.2	105.8	4.4	4.7	4.6	4.1	4.4	4.4
<b>Indiana</b> .....	3,132.9	3,085.0	3,098.3	153.1	143.1	134.2	4.9	4.6	4.3
Bloomington .....	64.3	61.7	62.1	3.6	1.8	1.8	5.6	3.0	2.9
Elkhart-Goshen .....	97.3	96.4	96.9	2.9	3.8	3.7	3.0	3.9	3.8
Evansville-Henderson .....	158.0	153.0	153.7	8.8	7.0	7.2	5.6	4.6	4.7
Fort Wayne .....	266.9	262.4	262.9	10.2	11.8	9.9	3.8	4.5	3.8
Gary .....	305.0	299.0	301.8	21.3	16.8	16.7	7.0	5.6	5.5
Indianapolis .....	822.3	810.4	811.4	33.4	29.8	27.9	4.1	3.7	3.4
Kokomo .....	53.9	54.7	55.6	2.3	2.1	2.0	4.4	3.8	3.7
Lafayette .....	82.6	87.4	88.6	2.6	2.9	2.7	3.2	3.3	3.1
Muncie .....	67.9	65.2	66.1	3.5	3.2	3.2	5.1	4.9	4.8
South Bend .....	138.3	133.6	133.2	5.8	5.9	5.4	4.2	4.5	4.0
Terre Haute .....	77.0	77.0	77.1	4.8	5.5	5.7	6.2	7.2	7.4
<b>Iowa</b> .....	1,543.3	1,578.9	1,594.1	54.3	63.4	55.6	3.5	4.0	3.5
Cedar Rapids .....	106.3	108.2	108.8	3.1	3.4	3.0	2.9	3.2	2.8
Des Moines .....	245.8	251.5	253.9	6.6	6.5	6.0	2.7	2.6	2.4
Dubuque .....	49.1	50.1	50.5	1.6	3.2	3.0	3.3	6.4	5.9
Iowa City .....	64.4	66.1	66.6	1.5	1.7	1.6	2.4	2.6	2.4
Sioux City .....	63.6	65.6	66.0	1.8	2.3	2.2	2.8	3.6	3.3
Waterloo-Cedar Falls .....	67.3	68.5	68.9	3.1	3.2	2.9	4.6	4.7	4.2
<b>Kansas</b> .....	1,322.9	1,351.7	1,352.1	59.7	53.7	52.7	4.5	4.0	3.9
Lawrence .....	50.0	51.4	51.2	2.2	2.1	2.0	4.5	4.1	4.0
Topeka .....	87.8	89.1	89.1	3.8	3.6	3.4	4.3	4.0	3.8
Wichita .....	260.8	268.6	268.0	12.9	10.5	10.4	5.0	3.9	3.9
<b>Kentucky</b> .....	1,853.6	1,817.0	1,819.2	95.6	96.2	92.0	5.2	5.3	5.1
Lexington .....	240.2	237.0	239.0	7.1	6.2	6.2	2.9	2.6	2.6
Louisville .....	528.1	516.2	517.8	23.8	21.5	20.7	4.5	4.2	4.0
Owensboro .....	48.9	47.8	47.6	2.7	2.6	2.6	5.5	5.5	5.4
<b>Louisiana</b> .....	1,939.9	1,974.2	1,969.6	130.5	120.1	113.8	6.7	6.1	5.8
Alexandria .....	58.2	58.6	58.8	3.5	3.1	3.3	6.1	5.2	5.6
Baton Rouge .....	276.5	284.7	283.2	16.8	13.8	13.6	6.1	4.8	4.8
Houma .....	79.6	82.6	83.5	4.7	3.8	3.7	5.9	4.7	4.4
Lafayette .....	161.1	163.7	164.5	9.9	9.0	8.6	6.2	5.5	5.3
Lake Charles .....	82.9	87.4	86.9	5.7	4.4	4.5	6.9	5.0	5.2
Monroe .....	66.6	68.4	68.2	3.6	3.7	3.5	5.3	5.3	5.1
New Orleans .....	601.4	607.3	603.4	36.6	33.7	33.4	6.1	5.6	5.5
Shreveport-Bossier City .....	176.5	181.3	178.6	12.2	15.1	10.4	6.9	8.3	5.8
<b>Maine</b> .....	624.9	649.7	648.0	39.8	42.0	37.8	6.4	6.5	5.8
Lewiston-Auburn .....	49.8	51.5	50.8	2.9	3.6	3.2	5.8	7.0	6.4
Portland .....	120.7	127.1	125.9	4.5	4.7	4.0	3.7	3.7	3.2

See footnotes at end of table.

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

**C-3. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>Maryland</b> .....	2,691.2	2,693.2	2,683.1	126.0	133.3	123.4	4.7	4.9	4.6
Baltimore .....	1,263.1	1,260.7	1,258.3	65.1	67.3	64.9	5.2	5.3	5.2
<b>Massachusetts</b> .....	3,131.0	3,166.9	3,152.6	164.8	171.4	151.4	5.3	5.4	4.8
Barnstable-Yarmouth .....	66.4	66.6	68.1	4.4	5.5	4.0	6.7	8.3	5.9
Boston .....	1,733.8	1,749.8	1,739.6	79.8	77.9	70.9	4.6	4.5	4.1
Brockton .....	127.1	128.8	127.5	7.1	8.0	7.1	5.6	6.2	5.5
Fitchburg-Leominster .....	68.6	69.9	69.5	3.9	4.4	4.0	5.7	6.2	5.7
Lawrence .....	190.6	193.5	194.8	11.4	11.9	10.6	6.0	6.2	5.5
Lowell .....	151.4	152.4	152.3	8.3	7.5	6.9	5.5	4.9	4.5
New Bedford .....	81.4	84.0	83.0	8.0	9.3	7.8	9.8	11.1	9.4
Pittsfield .....	39.7	40.0	39.9	2.8	2.8	2.5	7.0	6.9	6.1
Springfield .....	279.5	280.3	279.7	15.8	18.0	13.5	5.7	5.7	4.8
Worcester .....	241.5	246.1	244.9	11.6	12.1	11.1	4.8	4.9	4.5
<b>Michigan</b> .....	4,705.4	4,767.6	4,757.0	252.8	248.9	214.9	5.4	5.2	4.5
Ann Arbor .....	274.5	276.8	273.1	8.4	8.2	6.9	3.1	2.9	2.5
Benton Harbor .....	81.3	81.0	81.3	4.3	4.4	4.2	5.3	5.4	5.2
Detroit .....	2,100.7	2,149.1	2,142.8	101.4	99.2	83.1	4.8	4.6	3.9
Flint .....	201.2	202.6	200.1	13.6	14.4	11.0	6.7	7.1	5.5
Grand Rapids-Muskegon-Holland .....	535.3	540.5	543.5	20.1	21.4	19.9	3.8	4.0	3.7
Jackson .....	72.4	73.0	73.2	4.0	3.6	3.5	5.5	4.9	4.8
Kalamazoo-Battle-Creek .....	222.5	222.3	221.4	10.2	9.6	9.0	4.6	4.3	4.1
Lansing-East Lansing .....	232.3	233.7	233.4	8.5	13.9	7.2	3.7	5.9	3.1
Saginaw-Bay City-Midland .....	190.8	191.7	190.9	12.1	10.2	9.9	6.4	5.3	5.2
<b>Minnesota</b> .....	2,577.9	2,586.0	2,617.2	97.2	100.9	97.6	3.8	3.9	3.7
Duluth-Superior .....	121.0	121.4	123.0	7.5	7.0	7.1	6.2	5.8	5.8
Minneapolis-St.Paul .....	1,598.9	1,600.4	1,622.8	45.5	45.7	43.9	2.8	2.9	2.7
Rochester .....	63.4	63.2	64.3	1.9	2.0	1.9	3.1	3.1	3.0
St. Cloud .....	93.4	93.1	94.8	3.9	4.8	4.5	4.2	5.1	4.8
<b>Mississippi</b> .....	1,241.2	1,254.2	1,262.4	69.8	74.1	74.6	5.6	5.9	5.9
Jackson .....	211.8	216.3	216.6	7.7	7.3	7.8	3.7	3.4	3.6
<b>Missouri</b> .....	2,822.4	2,811.2	2,830.7	135.8	115.9	114.7	4.8	4.1	4.1
Kansas City .....	914.9	929.9	932.4	41.8	32.9	33.5	4.6	3.5	3.6
St. Louis LMA .....	1,329.9	1,317.1	1,329.5	62.8	54.2	55.1	4.7	4.1	4.1
Springfield .....	162.1	163.4	162.9	5.5	5.0	4.9	3.4	3.0	3.0
<b>Montana</b> .....	435.2	445.1	446.8	24.0	27.4	24.6	5.5	6.2	5.5
<b>Nebraska</b> .....	891.7	895.2	900.6	22.4	26.1	24.5	2.5	2.9	2.7
Lincoln .....	135.5	136.3	137.0	2.8	3.2	3.3	2.1	2.4	2.4
Omaha .....	365.9	370.9	372.2	9.8	10.3	9.9	2.7	2.8	2.7
<b>Nevada</b> .....	784.2	828.8	827.7	41.5	38.0	39.1	5.3	4.6	4.7
Las Vegas .....	582.3	619.5	620.7	30.9	27.2	29.1	5.3	4.4	4.7
Reno .....	159.9	166.3	165.3	7.8	7.8	7.7	4.9	4.7	4.6
<b>New Hampshire</b> .....	630.3	629.3	626.7	26.9	26.6	23.2	4.3	4.2	3.7
Manchester .....	98.7	97.6	96.7	4.1	3.5	3.0	4.2	3.6	3.1
Nashua .....	96.9	95.7	95.7	4.6	4.1	3.5	4.8	4.3	3.7
Portsmouth-Rochester .....	119.2	119.1	119.7	4.0	4.6	3.7	3.3	3.9	3.1
<b>New Jersey</b> .....	4,022.4	4,059.9	4,051.8	245.7	273.1	258.2	6.1	6.7	6.4
Atlantic-Cape May .....	165.3	163.7	166.7	16.1	18.4	16.7	9.8	11.2	10.0
Bergen-Passaic .....	656.4	659.2	657.6	42.7	45.3	42.7	6.5	6.9	6.5
Jersey City .....	281.9	285.4	284.4	25.4	27.1	27.1	9.0	9.5	9.5
Middlesex-Somerset-Hunterdon .....	592.7	603.7	601.1	27.0	29.3	28.0	4.6	4.9	4.7
Monmouth-Ocean .....	490.5	498.3	502.6	26.5	31.0	29.1	5.4	6.2	5.8
Newark .....	993.9	1,004.2	996.4	59.7	65.7	62.5	6.0	6.5	6.3
Trenton .....	170.0	170.0	168.5	7.8	10.2	9.2	4.6	6.0	5.5
Vineland-Milville-Bridgeton .....	64.6	65.7	65.8	6.2	7.2	6.9	9.6	10.9	10.5
<b>New Mexico</b> .....	783.6	810.6	810.1	47.7	53.6	53.7	6.1	6.6	6.6
Albuquerque .....	338.7	352.0	351.4	12.6	14.0	13.9	3.7	4.0	3.9
Las Cruces .....	62.5	65.5	65.3	5.5	6.2	6.2	8.8	9.5	9.5
Santa Fe .....	73.2	74.1	74.4	2.5	3.1	3.0	3.4	4.2	4.0

See footnotes at end of table.

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

**C-3. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>New York</b> .....	8,436.4	8,544.8	8,505.3	528.4	589.1	532.6	6.3	6.9	6.3
Albany-Schenectady-Troy .....	450.6	449.2	447.2	21.1	24.1	20.0	4.7	5.4	4.5
Binghamton .....	122.5	122.1	120.6	7.0	6.4	5.6	5.7	5.2	4.8
Buffalo-Niagara Falls .....	564.9	568.1	565.9	31.1	32.9	30.5	5.5	5.8	5.4
Dutchess County .....	114.4	116.5	118.1	5.8	5.5	4.6	5.1	4.8	4.0
Elmira .....	41.8	43.5	43.2	2.1	2.1	1.9	5.1	4.8	4.4
Glens Falls .....	60.4	60.6	60.5	4.5	4.9	4.1	7.5	8.2	6.8
Nassau-Suffolk .....	1,341.8	1,355.1	1,356.4	62.1	62.0	56.9	4.6	4.6	4.2
New York .....	3,774.0	3,849.9	3,824.7	282.1	329.2	305.9	7.5	8.6	8.0
New York City .....	3,159.7	3,231.1	3,208.2	255.9	302.1	282.1	8.1	9.3	8.8
Newburgh .....	166.5	166.5	165.5	8.3	8.3	7.4	5.0	5.0	4.5
Rochester .....	558.0	584.6	563.8	25.9	26.4	22.3	4.6	4.7	4.0
Syracuse .....	360.2	361.4	361.4	19.3	20.8	17.4	5.4	5.8	4.8
Utica-Rome .....	142.6	143.5	142.7	8.1	9.2	7.8	5.7	6.4	5.4
<b>North Carolina</b> .....	3,587.4	3,667.1	3,680.1	145.4	163.1	155.0	4.1	4.4	4.2
Asheville .....	103.3	105.0	104.9	4.3	3.9	3.7	4.1	3.7	3.5
Charlotte-Gastonia-Rock Hill .....	698.8	716.4	716.7	21.8	25.2	24.1	3.1	3.5	3.4
Greensboro-Winston-Salem-High Point .....	606.6	617.0	618.2	18.2	19.3	21.1	3.0	3.1	3.4
Raleigh-Durham-Chapel Hill .....	544.3	558.6	559.5	13.6	13.4	11.6	2.5	2.4	2.1
<b>North Dakota</b> .....	332.6	336.5	339.5	11.0	11.6	10.6	3.3	3.5	3.1
Bismarck .....	49.5	50.0	50.4	1.8	1.9	1.6	3.5	3.7	3.2
Fargo-Moorhead .....	93.5	95.2	95.8	3.0	2.9	2.6	3.2	3.0	2.7
Grand Forks .....	66.9	68.1	69.3	1.8	1.9	1.9	2.7	2.7	2.7
<b>Ohio</b> .....	5,500.6	5,655.3	5,639.5	241.7	310.5	250.8	4.4	5.5	4.4
Akron .....	351.3	359.8	358.6	15.2	18.7	15.4	4.3	5.2	4.3
Canton-Massillon .....	194.6	200.3	200.9	9.0	11.8	10.5	4.6	5.9	5.2
Cincinnati .....	797.0	808.6	809.3	31.2	35.0	30.7	3.9	4.3	3.8
Cleveland-Lorain-Elyria .....	1,074.3	1,100.9	1,100.2	50.4	56.8	51.0	4.7	5.2	4.6
Columbus .....	771.5	790.2	791.4	23.0	26.2	22.2	3.0	3.3	2.8
Dayton-Springfield .....	465.7	480.3	476.0	17.4	26.6	18.1	3.7	5.5	3.8
Hamilton-Middletown .....	164.6	169.5	169.0	6.0	7.5	6.3	3.7	4.4	3.7
Lima .....	74.1	76.1	78.2	3.6	4.6	4.2	4.9	6.0	5.5
Mansfield .....	83.4	84.4	83.9	4.9	5.5	4.8	5.8	6.5	5.8
Stevensville-Weirton .....	56.7	57.6	57.6	3.3	4.0	3.4	5.8	6.9	6.0
Toledo .....	307.2	312.4	309.9	14.0	15.4	13.0	4.6	4.9	4.2
Youngstown-Warren .....	280.3	292.6	286.3	15.9	29.2	16.4	5.7	10.0	5.7
<b>Oklahoma</b> .....	1,543.7	1,554.1	1,562.4	71.3	70.6	67.3	4.6	4.5	4.3
Enid .....	27.0	27.0	27.1	1.0	1.1	1.0	3.5	4.0	3.8
Lawton .....	40.2	40.7	40.9	2.1	2.1	2.0	5.1	5.1	4.9
Oklahoma City .....	501.3	514.3	515.9	18.1	17.4	16.6	3.6	3.4	3.2
Tulsa .....	376.6	382.9	383.2	15.9	14.6	14.3	4.2	3.8	3.7
<b>Oregon</b> .....	1,640.2	1,715.2	1,717.9	77.6	98.6	92.0	4.7	5.8	5.4
Eugene-Springfield .....	155.3	159.5	159.6	7.2	9.1	8.5	4.6	5.7	5.4
Medford-Ashland .....	82.1	85.5	84.8	5.3	7.1	6.4	6.4	8.3	7.6
Portland-Vancouver .....	948.5	999.2	1,001.3	34.5	41.1	40.1	3.6	4.1	4.0
Salem .....	156.2	160.7	161.8	7.2	8.8	8.4	4.6	5.5	5.2
<b>Pennsylvania</b> .....	5,779.6	5,802.1	5,808.9	335.7	344.8	327.9	5.8	5.9	5.6
Allentown-Bethlehem-Easton .....	297.1	301.4	301.7	16.9	18.1	17.3	5.7	6.0	5.7
Altoona .....	60.4	60.6	60.7	4.1	4.0	3.7	6.7	6.5	6.2
Erie .....	136.7	139.2	139.1	8.7	9.2	8.9	6.4	6.6	6.4
Harrisburg-Lebanon-Carlisle .....	328.2	334.4	335.6	12.6	13.2	12.6	3.8	3.9	3.7
Johnstown .....	104.2	105.6	105.1	8.1	9.7	9.1	7.8	9.2	8.6
Lancaster .....	227.7	228.3	228.1	7.9	8.4	7.6	3.5	3.7	3.3
Philadelphia .....	2,387.2	2,383.4	2,391.1	137.4	135.0	131.2	5.8	5.7	5.5
Pittsburgh .....	1,122.6	1,127.2	1,126.6	66.1	64.2	60.0	5.9	5.7	5.3
Reading .....	174.6	176.1	176.5	8.8	8.7	8.4	5.1	5.0	4.8
Scranton-Wilkes-Barre-Hazleton .....	334.7	337.3	337.2	22.9	25.3	23.9	6.9	7.5	7.1
Sharon .....	53.9	53.7	54.0	2.7	2.9	2.6	5.0	5.4	4.9
State College .....	62.7	63.2	63.2	1.9	2.2	1.9	3.1	3.5	3.1
Williamsport .....	56.0	56.4	55.9	4.4	4.4	4.0	7.9	7.9	7.2
York .....	186.1	186.2	186.3	7.7	8.8	8.6	4.1	4.7	4.6
<b>Rhode Island</b> .....	476.5	481.5	479.4	31.6	28.0	23.6	6.6	5.8	4.9
Providence-Fall River-Warwick .....	553.3	561.2	557.0	38.0	37.3	31.8	6.9	6.6	5.7

See footnotes at end of table.

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

**C-3. Labor force status by State and selected metropolitan areas—Continued**

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>South Carolina</b> .....	1,840.5	1,841.7	1,857.7	79.3	90.6	91.9	4.3	4.9	4.9
Charleston-North Charleston .....	243.3	239.7	242.7	11.2	10.5	11.0	4.6	4.4	4.5
Columbia .....	257.5	257.0	259.8	7.3	6.3	7.8	2.8	3.2	3.0
Greenville-Spartanburg-Anderson .....	465.3	469.9	475.5	12.6	15.9	17.3	2.7	3.4	3.6
<b>South Dakota</b> .....	379.0	384.6	387.2	10.7	13.5	11.5	2.8	3.5	3.0
Rapid City .....	43.4	44.0	44.0	1.3	1.7	1.4	3.0	3.9	3.3
Sioux Falls .....	89.4	91.7	92.2	1.8	2.1	1.8	2.0	2.3	2.0
<b>Tennessee</b> .....	2,662.3	2,750.0	2,717.2	126.4	142.5	126.7	4.7	5.2	4.7
Chattanooga .....	216.5	222.3	219.5	9.5	10.8	9.3	4.4	4.8	4.3
Johnson City-Kingsport-Bristol .....	228.9	229.5	227.5	10.8	11.8	10.9	4.6	5.2	4.8
Knoxville .....	335.7	341.6	339.3	14.7	16.8	13.4	4.4	4.9	4.0
Memphis .....	516.1	533.0	528.1	23.5	23.1	21.2	4.5	4.3	4.0
Nashville .....	594.1	619.8	616.0	18.2	19.8	17.8	3.1	3.2	2.9
<b>Texas</b> .....	9,449.3	9,637.1	9,638.4	526.8	570.7	550.4	5.6	5.9	5.7
Abilene .....	59.5	59.8	59.7	3.0	3.4	3.2	5.0	5.7	5.3
Amarillo .....	110.3	112.6	112.6	3.8	4.3	4.1	3.4	3.8	3.6
Austin-San Marcos .....	600.6	627.6	630.0	15.5	18.0	17.7	2.6	2.9	2.8
Beaumont-Port Arthur .....	180.5	180.6	181.0	16.5	16.3	16.5	9.2	9.0	9.1
Brazoria .....	104.6	105.1	105.2	7.6	6.9	6.9	7.2	6.6	6.5
Brownsville-Harlingen-San Benito .....	120.3	126.2	125.1	13.6	17.2	15.4	11.3	13.7	12.3
Bryan-College Station .....	70.0	69.6	69.8	1.9	1.9	1.8	2.6	2.7	2.6
Corpus Christi .....	173.6	173.6	173.6	14.5	14.6	14.0	8.3	8.4	8.1
Dallas .....	1,680.6	1,718.7	1,718.2	73.7	73.9	72.0	4.4	4.3	4.2
El Paso .....	280.3	286.2	284.9	26.6	34.1	34.2	9.5	11.9	12.0
Fort Worth-Arlington .....	808.6	823.1	825.5	36.4	35.3	34.4	4.5	4.3	4.2
Galveston-Texas City .....	124.3	125.1	125.4	8.9	10.0	9.8	7.2	8.0	7.8
Houston .....	1,962.3	1,987.1	1,988.9	105.8	106.5	106.2	5.4	5.4	5.3
Killeen-Temple .....	109.0	113.5	113.5	4.7	5.8	5.4	4.3	5.1	4.8
Laredo .....	69.6	68.0	67.2	10.3	9.8	9.1	14.8	14.4	13.6
Longview-Marshall .....	100.6	101.7	101.6	7.0	8.3	8.1	7.0	8.1	7.9
Lubbock .....	118.7	120.8	120.8	4.2	5.1	4.8	3.5	4.2	4.0
McAllen-Edinburg-Mission .....	188.1	196.3	194.0	33.0	40.2	35.7	17.6	20.5	18.4
Odessa-Midland .....	118.6	119.7	120.2	7.0	7.0	7.2	5.9	5.9	6.0
San Angelo .....	49.6	50.2	49.9	1.9	2.0	1.9	3.8	4.0	3.7
San Antonio .....	709.0	728.6	729.5	27.2	31.9	30.5	3.8	4.4	4.2
Sherman-Denison .....	47.6	47.9	48.1	2.3	2.7	2.4	4.8	5.6	5.0
Texarkana .....	56.5	56.9	56.7	4.2	4.3	4.0	7.4	7.6	7.1
Tyler .....	83.6	85.6	84.9	3.8	5.9	5.7	4.6	6.8	6.7
Victoria .....	41.3	42.2	41.8	2.4	2.2	2.1	5.8	5.3	5.0
Waco .....	98.7	101.0	100.6	4.0	4.7	4.2	4.0	4.7	4.2
Wichita Falls .....	63.3	65.7	65.4	2.8	2.9	2.7	4.4	4.4	4.2
<b>Utah</b> .....	953.1	986.6	992.8	33.8	31.1	29.4	3.5	3.1	3.0
Provo-Orem .....	139.8	145.2	146.9	4.1	3.7	3.7	2.9	2.6	2.5
Salt Lake City-Ogden .....	613.6	636.1	638.4	19.9	17.9	17.1	3.2	2.8	2.7
<b>Vermont</b> .....	317.3	324.3	322.4	14.3	14.2	14.0	4.5	4.4	4.4
Burlington .....	94.0	95.6	98.9	2.8	2.9	2.6	2.9	3.1	2.7
<b>Virginia</b> .....	3,486.8	3,455.8	3,478.8	140.6	132.6	133.0	4.0	3.8	3.8
Charlottesville .....	73.2	73.4	74.0	1.5	1.5	1.4	2.0	2.1	1.9
Danville .....	59.2	57.7	58.4	4.5	3.4	3.9	7.6	6.0	6.6
Lynchburg .....	107.6	105.5	106.4	3.5	3.4	3.1	3.2	3.2	2.9
Norfolk-Virginia Beach-Newport News .....	726.4	715.5	723.1	33.3	29.5	29.3	4.6	4.1	4.1
Richmond-Petersburg .....	508.7	506.4	508.1	17.5	15.4	15.9	3.4	3.0	3.1
Roanoke .....	131.9	129.8	130.6	3.5	3.2	3.3	2.6	2.4	2.5
<b>Washington</b> .....	2,771.7	2,829.4	2,821.8	175.0	192.9	174.6	6.3	6.8	6.2
Spokane .....	197.4	198.7	198.4	10.1	12.7	10.6	5.1	6.4	5.4
Tacoma .....	309.7	317.1	315.6	19.1	20.3	18.5	6.2	6.4	5.9
Seattle-Bellevue-Everett .....	1,225.3	1,255.9	1,247.4	65.1	65.7	60.1	5.3	5.2	4.8

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA  
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>	Apr. 1995	Mar. 1996	Apr. 1996 <sup>P</sup>
<b>West Virginia</b> .....	781.5	796.4	797.8	60.8	70.1	61.7	7.8	8.8	7.7
Charleston .....	124.8	127.4	128.1	6.8	8.4	7.3	5.5	6.6	5.7
Huntington-Ashland .....	135.2	136.6	137.1	9.2	10.3	9.5	6.8	7.5	6.9
Parkersburg-Marietta .....	74.6	76.1	76.5	5.4	5.6	4.8	7.3	7.3	6.3
Wheeling .....	70.4	71.5	71.9	4.8	5.2	4.3	6.9	7.3	5.9
<b>Wisconsin</b> .....	2,823.7	2,888.1	2,894.7	113.1	126.4	111.9	4.0	4.4	3.9
Appleton-Oshkosh-Neenah .....	212.7	218.9	219.7	6.8	7.6	7.0	3.2	3.5	3.2
Eau Claire .....	77.1	78.1	78.9	3.2	4.0	3.4	4.2	5.1	4.4
Green Bay .....	124.7	129.6	130.0	4.0	4.7	4.2	3.2	3.6	3.3
Janesville-Beloit .....	79.0	81.5	81.8	3.1	3.2	2.9	3.9	4.0	3.5
Kenosha .....	74.3	76.3	75.8	2.9	2.9	2.7	3.9	3.9	3.5
La Crosse .....	69.9	69.6	70.0	2.9	3.0	2.2	4.1	4.3	3.2
Madison .....	246.8	253.5	254.0	4.8	5.6	4.6	2.0	2.2	1.8
Milwaukee-Waukesha .....	774.7	786.4	784.9	26.5	28.8	27.9	3.4	3.7	3.6
Racine .....	91.2	94.4	94.4	4.2	4.5	4.2	4.6	4.8	4.5
Sheboygan .....	60.5	63.1	63.4	1.5	2.0	1.8	2.5	3.2	2.8
Wausau .....	69.9	72.1	71.3	3.4	3.9	3.0	4.8	5.4	4.2
<b>Wyoming</b> .....	253.8	255.7	257.4	12.8	14.1	13.3	5.1	5.5	5.2
Casper .....	32.7	33.8	33.7	1.8	2.2	2.1	5.6	6.6	6.3
<b>Puerto Rico</b> .....	1,228.4	1,269.5	1,261.0	167.5	163.0	171.3	13.6	12.8	13.6
Caguas .....	105.5	109.0	108.6	13.8	12.5	13.2	13.1	11.5	12.1
Mayaguez .....	88.3	92.7	92.6	12.6	13.4	13.8	14.3	14.5	14.9
Ponce .....	104.3	106.6	106.2	18.3	18.8	20.1	17.6	17.7	18.9
San Juan-Bayamon .....	665.2	687.2	681.2	73.6	71.3	72.7	11.1	10.4	10.7

<sup>P</sup> = preliminary.

NOTE: Data refer to place of residence. All estimates are provisional and will

be revised when new benchmark and population information becomes available.



# Explanatory Notes and Estimates of Error

## Introduction

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

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

*Data based on establishment records* are compiled each month from mail questionnaires and telephone interviews by the Bureau of Labor Statistics, in cooperation with State agencies. The Current Employment Statistics (CES) survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of about 390,000 establishments employing over 47 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th of the month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of variations in definitions and coverage, source of

information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on the levels and trends of the two data series are as follows.

### Employment

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

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

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

### Hours of work

The household survey measures hours worked for all workers whereas the payroll survey measures hours for private production and nonsupervisory workers paid for by employers. In the household survey, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours at work. In the pay-

roll survey, production or nonsupervisory employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

### Earnings

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

### COMPARABILITY OF HOUSEHOLD DATA WITH OTHER SERIES

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

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

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemploy-

ment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*.

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

### COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

# Household Data

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

### COLLECTION AND COVERAGE

Statistics on the employment status of the population and related data are compiled by BLS using data from the Current Population Survey (CPS). This monthly survey of households is conducted for BLS by the Bureau of the Census through a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th day of the month. This is known as the "reference week." Actual field interviewing is conducted in the following week, referred to as the "survey week."

Each month about 50,000 occupied units are eligible for interview. Some 3,200 of these households are contacted but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey that ranges between 6 and 7 percent. In addition to the 50,000 occupied units, there are about 9,000 sample units in an average month which are visited but found to be vacant or otherwise not eligible for enumeration. Part of the sample is changed each month. The rotation plan, as will be explained later, provides for three-fourths of the sample to be common from one month to the next, and one-half to be common with the same month a year earlier.

### CONCEPTS AND DEFINITIONS

The concepts and definitions underlying labor force data have been modified, but not substantially altered, since the inception of the survey in 1940; those in use as of January 1994 are as follows:

*Civilian noninstitutional population.* Included are persons 16 years of age and older residing in the 50 States and the District of Columbia who are not inmates of institutions (e.g., penal and mental facilities, homes for the aged), and who are not on active duty in the Armed Forces.

*Employed persons.* All persons who, during the reference week, (a) did any work at all (at least 1 hour) as paid employees, worked in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of vacation, illness, bad weather, child-care problems, mater-

nity or paternity leave, labor-management dispute, job training, or other family or personal reasons, whether or not they were paid for the time off or were seeking other jobs.

Each employed person is counted only once, even if he or she holds more than one job. For purposes of occupation and industry classification, multiple jobholders are counted in the job at which they worked the greatest number of hours during the reference week.

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

*Unemployed persons.* All persons who had no employment during the reference week, were available for work, except for temporary illness, and had made specific efforts to find employment some time during the 4-week-period ending with the reference week. Persons who were waiting to be recalled to a job from which they had been laid off need not have been looking for work to be classified as unemployed.

*Duration of unemployment.* This represents the length of time (through the current reference week) that persons classified as unemployed had been looking for work. For persons on layoff, duration of unemployment represents the number of full weeks they had been on layoff. Mean duration is the arithmetic average computed from single weeks of unemployment; median duration is the midpoint of a distribution of weeks of unemployment.

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

workers. (For statistical presentation purposes, “job losers” and “persons who completed temporary jobs” are combined into a single category until seasonal adjustments can be developed for the separate categories.)

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

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

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

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

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

*Not in the labor force.* Included in this group are all persons in the civilian noninstitutional population who are neither employed nor unemployed. Information is collected on their desire for and availability to take a job at the time of the CPS interview, job search activity in the prior year, and reason for not looking in the 4 week period prior to the survey week. This group includes discouraged workers, defined as persons not in the labor force who want and are available for a job and who have looked for work sometime in the past 12 months (or since the end of their last job if they held one within the past 12 months), but are not currently looking, because they believe there are no jobs available or there are none for which they would qualify.

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

*Occupation, industry, and class of worker.* This information for the employed applies to the job held in the reference week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours. The unemployed are classified according to their last job. The occupational and industrial classification of CPS data is based on the coding systems used in the 1990 census.

The class-of-worker breakdown assigns workers to the following categories: Private and government wage and salary workers, self-employed workers, and unpaid family workers. Wage and salary workers receive wages, salary, commissions, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, trade, or farm. Only the unincorporated self-employed are included in the self-employed category in the class of worker typology. Self-employed persons who respond that their businesses are incorporated are included among wage and salary workers, because technically, they are paid employees of a corporation. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by birth or marriage.

*Multiple jobholders.* These are employed persons who, during the reference week, had either two or more jobs as a wage and salary worker, were self-employed and also held a wage and salary job, or worked as an unpaid family worker and also held a wage and salary job. A person employed only in private households (cleaner, gardener, babysitter, etc.) who worked for two or more employers during the reference week is not counted as a multiple jobholder, since working for several employers is considered an inherent characteristic of private household work. Also excluded are self-employed persons with multiple businesses and persons with multiple jobs as unpaid family workers.

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

*At work part time for economic reasons.* Sometimes referred to as involuntary part time, this category refers to individuals who gave an economic reason for working 1 to 34 hours during the reference week. Economic reasons include slack work or unfavorable business conditions, inability to find full-time work, and seasonal declines in demand. Those who usually work part time must also indicate that they want and are available to work full time to be classified as on part time for economic reasons.

*At work part time for noneconomic reasons.* This group includes those persons who usually work part time and were at work 1 to 34 hours during the reference week for a noneconomic reason. Noneconomic reasons include, for example: illness or other medical limitations, child-care problems or other family or personal obligations, school or training, retirement or Social Security limits on earnings, and being in a job where full-time work is less than 35 hours. The group also includes those who gave an economic reason for usually working 1 to 34 hours but said they do not want to work full time or were unavailable for such work.

*Usual full- or part-time status.* Data on persons "at work" exclude persons who were temporarily absent from a job and therefore classified in the zero-hours-worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute. In order to differentiate a person's normal schedule from their activity during the reference week, persons are also classified according to their usual full- or part-time status. In this context, *full-time workers* are those who usually worked 35 hours or more (at all jobs combined). This group will include some individuals who worked less than 35 hours in the reference week for either economic or noneconomic reasons and those who are temporarily absent from work. Similarly, *part-time workers* are those who usually work less than 35 hours per week (at all jobs), regardless of the number of hours worked in the reference week. This may include some individuals who actually worked more than 34 hours in the reference week, as well as those who are temporarily absent from work. The *full-time labor force* includes all employed persons who usually work full time and unemployed persons who are either looking for full-time work or are on layoff from full-time jobs. The *part-time labor force* consists of employed persons who usually work part time and unemployed persons who are seeking or are on layoff from part-time jobs. Unemployment rates for full- and part-time workers are calculated using the concepts of the *full- and part-time labor force*.

*White, black, and other.* These are terms used to describe the race of persons. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. Because of the relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

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

*Vietnam-era veterans.* These are persons who served in the

Armed Forces of the United States between August 5, 1964, and May 7, 1975. Published data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are persons who never served in the Armed Forces.

*Usual weekly earnings.* Data represent earnings before taxes and other deductions, and include any overtime pay, commissions, or tips usually received (at the main job in the case of multiple jobholders.) Earnings reported on a basis other than weekly (e.g., annual, monthly, hourly) are converted to weekly. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding self-employed persons who respond that their business's were incorporated) who usually work full time on their sole or primary job.

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

*Single, never married; married, spouse present; and other marital status.* These are the terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were living in the same household, even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent relates to persons who are separated due to marital problems, as well as husbands and wives who are living apart because one or the other was employed elsewhere, on duty with the Armed Forces, or any other reasons.

*Household.* A household consists of all persons—related family members and all unrelated persons—who occupy a housing unit and have no other usual address. A house, an apartment, a group of rooms, or a single room is regarded as a housing unit when occupied or intended for occupancy as separate living quarters. A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-couple families but relates only to persons in families maintained by either men or women without a spouse.

*Family.* A family is defined as a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family. Families are classified either as married-couple fami-

lies 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 person maintaining the family is either self-employed or in the Armed Forces.

## HISTORICAL COMPARABILITY

### Changes in concepts and methods

While current survey concepts and methods are very similar to those introduced at the inception of the survey in 1940, a number of changes have been made over the years to improve the accuracy and usefulness of the data. Some of the most important changes include:

- In 1945, the questionnaire was radically changed with the introduction of four basic employment questions. Prior to that time, the survey did not contain specific question wording, but rather relied on a complicated scheme of activity prioritization.

- In 1953, the current 4-8-4 rotation system was adopted, whereby households are interviewed for 4 consecutive months, leave the sample for 8 months, and then return to the sample for the same 4 months of the following year. Before this system was introduced, households were interviewed for 6 consecutive months and then replaced. The new system provided some year-to-year overlap in the sample, thereby improving measurement over time.

- In 1955, the survey reference week was changed to the calendar week including the 12th day of the month, for greater consistency with the reference period used for other labor-related statistics. Previously, the calendar week containing the 8th day of the month had been used as the reference week.

- In 1957, the employment definition was modified slightly as a result of a comprehensive interagency review of labor force concepts and methods. Two relatively small groups of persons classified as employed, under "with a job but not at work," were assigned to different classifications. Persons on layoff with definite instructions to return to work within 30 days of the layoff date, and persons volunteering that they were waiting to start a new wage and salary job within 30 days of interview, were, for the most part, reassigned to the unemployed classification. The only exception was the small subgroup in school during the reference week but waiting to start new jobs, which was transferred to not in the labor force.

- In 1967, more substantive changes were made as a result of the recommendations of the President's Committee to Appraise Employment and Unemployment Statistics (the

Gordon Committee). The principal improvements were as follows:

- a) A 4-week job search period and specific questions on jobseeking activity were introduced. Previously, the questionnaire was ambiguous as to the time period for jobseeking and there were no specific questions concerning job-search methods.

- b) An availability test was introduced whereby a person must be currently available for work in order to be classified as unemployed. Previously, there was no such requirement. This revision to the concept mainly affected students, who, for example, may begin to look for summer jobs in the spring although they will not be available until June or July. Such persons, until 1967, had been classified as unemployed but since have been assigned to the "not in the labor force" category.

- c) Persons "with a job but not at work" because of strikes, bad weather, etc., who volunteered that they were looking for work, were shifted from unemployed status to employed.

- d) The lower age limit for official statistics on employment, unemployment, and other labor force concepts was raised from 14 to 16 years. Historical data for most major series have been revised to provide consistent information based on the new minimum age limit.

- e) New questions were added to obtain additional information on persons not in the labor force, including those referred to as "discouraged workers," defined as persons who indicate that they want a job but are not currently looking because they believe there are no jobs available or none for which they would qualify.

- f) New "probing" questions were added to the questionnaire in order to increase the reliability of information on hours of work, duration of unemployment, and self-employment.

- In 1994, major changes to the Current Population Survey (CPS) were introduced, which included a complete redesign of the questionnaire and the use of computer-assisted interviewing for the entire survey. In addition, there were revisions to some of the labor force concepts and definitions, including the implementation of some changes recommended in 1979 by the National Commission on Employment and Unemployment Statistics (NCEUS, also known as the Levitan Commission). Some of the major changes to the survey were:

- a) The introduction of a redesigned and automated questionnaire. The CPS questionnaire was totally redesigned in order to obtain more accurate, comprehensive, and relevant

information, and to take advantage of state-of-the-art computer interviewing techniques.

b) The addition of two, more objective, criteria to the definition of discouraged workers. Prior to 1994, to be classified as a discouraged worker, a person must have wanted a job and be reported as not currently looking because of a belief that no jobs were available or that there were none for which he or she would qualify. Beginning in 1994, persons classified as discouraged must also have looked for a job within the past year (or since their last job, if they worked during the year), and must have been available for work during the reference week (a direct question on availability was added in 1994; prior to 1994, availability had been inferred from responses to other questions). These changes were made because the NCEUS and others felt that the previous definition of discouraged workers was too subjective, relying mainly on an individual's stated desire for a job and not on prior testing of the labor market.

c) Similarly, the identification of persons employed part time for economic reasons (working less than 35 hours in the reference week because of poor business conditions or because of an inability to find full-time work) was tightened by adding two new criteria for persons who usually work part time: They must want and be available for full-time work. Previously, such information was inferred. (Persons who usually work full time but worked part time for an economic reason during the reference week are assumed to meet these criteria.)

d) Specific questions were added about the expectation of recall for persons who indicate that they are on layoff. To be classified as "on temporary layoff," persons must expect to be recalled to their jobs. Previously, the questionnaire did not include explicit questions about the expectation of recall.

e) Persons volunteering that they were waiting to start a new job within 30 days must have looked for work in the 4 weeks prior to the survey in order to be classified as unemployed. Previously, such persons did not have to meet the job-search requirement in order to be included among the unemployed.

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

## **Noncomparability of labor force levels**

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

- Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected.

- Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force. Four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected.

- Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged.

- Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; unemployment levels and rates were essentially unchanged.

- In March 1973, a subsequent population adjustment based on the 1970 census was introduced. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

- Effective in July 1975, as a result of the large inflow of Vietnamese refugees into the United States, the total and

black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000 — (30,000 men and 46,000 women). The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, with all of the changes being confined to the “other” component of the population.

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

- Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and 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 adjustment method was changed in the CPS estimation procedure. Differences between the old and new procedures existed only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in “Revisions in the Current Population Survey in January 1979” in the February 1979 issue of this publication.

- Beginning in January 1982, the second-stage ratio adjustment method was changed. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1982” in the February 1982 issue of this publication. In addition, current population estimates used in the second-stage estimation procedure were derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in the total population and in the estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used 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 (described above), and data users should consider them when comparing estimates from different periods.

- Beginning in January 1983, the first-stage ratio adjustment method was updated to incorporate data from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1983” in the February 1983 issue of this publication. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and virtually no differences in estimates of participation rates.

- Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first- and second-stage ratio adjustments, and the composite estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

- Beginning in January 1986, the population controls used in the second-stage ratio adjustment method were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of emigrants among legal foreign-born residents for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin population and labor force estimates were raised by about 425,000 and 305,000, respectively, and Hispanic employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data were revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appear in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of this publication.

- Beginning in August 1989, the second-stage ratio estimate cells were changed slightly to decrease the chance of very small cells occurring and to be more consistent with published age, sex, race cells. This change had virtually no effect on national estimates.

- Beginning in January 1994, population estimates used in the second stage estimation procedure were based on information obtained from the 1990 census (adjusted for the undercount as measured by the Census Bureau’s Post Enumeration Survey). This change resulted in substantial increases in total population and in all major labor force cat-



egories. Under the new population controls, the civilian noninstitutional population increased by about 1.3 million, with much of the increase occurring among Hispanics. Estimates of employment were raised by about 950,000, and unemployment by approximately 200,000. In addition, the overall unemployment rate rose by about 0.1 percentage point, largely reflecting the increase in the Hispanic share of the population, which has a higher-than-average incidence of unemployment. For further information, see "Revisions in the Current Population Survey Effective January 1994," in the February 1994 issue of this publication.

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

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

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

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. The 1980 census occupational classification system evolved from the Standard Occupational Classification (SOC) system and was so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers." Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

The industrial classification system used in the 1980 census was based on the 1972 Standard Industrial Classification (SIC) system, as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation," and some interchange between "professional and related services" and "public administration." Additional information on the 1980 census occupational and

industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of this publication.

Beginning in January 1992, the occupational and industrial classification systems used in the 1990 census were introduced into the CPS. (These systems were largely based on the 1980 Standard Occupational Classification (SOC) and 1987 Standard Industrial Classification (SIC) systems, respectively.) There were a few breaks in comparability between the 1980 and 1990 census-based systems, particularly within the "technical, sales, and administrative support" categories. The most notable changes in industry classification were the shift of several industries from "business services" to "professional services" and the splitting of some industries into smaller, more detailed categories. A number of industry titles were changed as well, with no change in content.

### **Sampling**

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

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

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

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

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

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

Metropolitan areas within a State are used as a basis for forming PSU's. Outside of metropolitan areas, counties normally are combined except when the geographic area of an

individual county is too large. Combining counties to form PSU's provides greater heterogeneity; a typical PSU includes urban and rural residents of both high and low economic levels and encompasses, to the extent feasible, diverse occupations and industries. Another important consideration is that the PSU be sufficiently compact so that, with a small sample spread throughout, it can be efficiently canvassed without undue travel cost.

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

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

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

For the purpose of sample selection, census blocks were grouped into three strata: Unit, group quarters, and area. (Occasionally, units within a block were split between the unit and group quarters strata.) The unit stratum contained regular housing units with addresses that were easy to lo-

cate (e.g. most single family homes, townhouses, condominiums, apartment units, and mobil homes). The group quarters stratum contained housing units where residents shared common facilities or received formal or authorized care or custody. Unit and group quarters blocks exist primarily in urban areas. The area stratum contains blocks with addresses that are more difficult to locate. Area blocks exist primarily in rural areas.

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

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

Units in the three strata described above all existed at the time of the 1990 decennial census. Through a series of additional procedures, a sample of building permits is included in the CPS to represent housing units built after the decennial census. Adding these newly built units keeps the sample up-to-date and representative of the population. It also helps

to keep the sample size stable: over the life of the sample, the addition of newly built housing units compensates for the loss of "old" units which may be abandoned, demolished, or converted to nonresidential use.

*Rotation of sample.* Part of the sample is changed each month. Each monthly sample is divided into eight representative subsamples or rotation groups. A given rotation group is interviewed for a total of 8 months, divided into two equal periods. It is in the sample for 4 consecutive months, leaves the sample during the following 8 months, and then returns for another 4 consecutive months. In each monthly sample, one of the eight rotation groups is in the first month of enumeration, another rotation group is in the second month, and so on. Under this system, 75 percent of the sample is common from month to month and 50 percent from year to year for the same month. This procedure provides a substantial amount of month-to-month and year-to-year overlap in the sample, thus providing better estimates of change and reducing discontinuities in the series of data without burdening any specific group of households with an unduly long period of inquiry.

*CPS sample, 1947 to present.* Table 1-A provides a description of some aspects of the CPS sample designs in use since 1947. A more detailed account of the history of the CPS sample design appears in *The Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, Report 463, Bureau of Labor Statistics. A description of the 1990 census-based sample design appears in "Redesign of the Sample for the Current Population Survey," in the May 1994 issue of this publication.

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954 .....	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956 .....	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959 .....	1330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963 .....	2333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966 .....	357	33,500	1,500	6,000
Jan. 1967 to July 1971 .....	449	48,000	2,000	8,500
Aug. 1971 to July 1972 .....	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977 .....	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979 .....	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981 .....	629	62,200	2,800	12,000
May 1981 to Dec. 1984 .....	629	57,800	2,500	11,000
Jan. 1985 to Mar. 1988 .....	729	57,000	2,500	11,000
Apr. 1988 to Mar. 1989 .....	729	53,200	2,600	11,500
April 1989 to Oct. 1994 <sup>3</sup> .....	729	57,400	2,600	11,800
Nov. 1994 to Aug. 1995 <sup>4</sup> .....	792	54,500	3,500	10,000
Sept. 1995 to Dec. 1995 .....	792	52,900	3,400	9,700
Jan. 1996 to present .....	754	46,800	3,200	9,000

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

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

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

<sup>4</sup> Includes 2,000 additional assigned housing units from Georgia and Virginia that were gradually phased in during the 10-month period, October 1994-August 1995.

## ESTIMATING METHODS

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

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This noninterview adjustment is made separately for clusters of similar sample areas that are usually, but not necessarily, contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each cluster, there is a further breakdown by residence. Each MSA cluster is split by "central city" and "balance of the MSA." Each non-MSA cluster is split by "urban" and "rural" residence categories. The proportion of sample households not interviewed varies from 6 to 7 percent, depending on weather, vacation, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole in such characteristics as age, race, sex, and State of residence. Because these characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio adjustment, as follows:

a. *First-stage ratio estimation.* The purpose of the first-stage ratio adjustment is to reduce the contribution to variance that results from selecting a sample of PSU's rather than drawing sample households from every PSU in the Nation. This adjustment is made to the CPS weights in two race cells: Black and nonblack; it is applied only to PSU's

that are not self-representing and for those States that have a substantial number of black households. The procedure corrects for differences that existed in each State cell at the time of the 1990 census between 1) the race distribution of the population in sample PSU's and 2) the race distribution of all PSU's (both 1 and 2 exclude self-representing PSU's).

b. *Second-stage ratio estimation.* This procedure substantially reduces the variability of estimates and corrects, to some extent, for CPS undercoverage. The CPS sample weights are adjusted to ensure that sample-based estimates of population match independent population controls. Three sets of controls are used:

1) 51 State controls of the civilian noninstitutional population 16 years of age and older,

2) National civilian noninstitutional population controls for 14 Hispanic and 5 non-Hispanic age-sex categories,

3) National civilian noninstitutional population controls for 66 white, 42 black, and 10 "other" age-sex categories.

The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 1990. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 1994, the projections were based on earlier censuses, and there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 1994," appearing in the February 1994 issue of this publication.

3. *Composite estimation procedure.* The last step in the preparation of most CPS estimates makes use of a composite estimation procedure. The composite estimate consists of a weighted average of two factors: The two-stage ratio estimate based on the entire sample from the current month and the composite estimate for the previous month, plus an estimate of the month-to-month change based on the six rotation groups common to both months. In addition, a bias adjustment term is added to the weighted average to account for relative bias associated with month-in-sample estimates. This month-in-sample bias is exhibited by unemployment estimates for persons in their first and fifth months in the CPS being generally higher than estimates obtained for the other months.

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

### **Rounding of estimates**

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

### **Reliability of the estimates**

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

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

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

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

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates

varies by rotation group. A description of these effects appears in "The Effects of Rotation Group Bias on Estimates From Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

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

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

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

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

standard errors below the estimate to two standard errors above the estimate would include the true population value.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

*Illustration.* Assume that between 2 consecutive months the estimated number of employed persons changed from 115,600,000 to 116,700,000, an apparent increase of 1,100,000. The approximate standard error on this month-to-month change estimate is based on the average level of the estimate for the 2 months, 116,150,000. Using the table 1-E column titled "Labor force data other than agricultural employment and unemployment, Total," it is necessary to find the standard errors corresponding to the two monthly level entries between which the value 116,150,000 lies. The standard error corresponding to 100,000,000 is given as 274,000, and the standard error corresponding to 120,000,000 is given as 246,000. Use linear interpolation to find the approximate standard error on month-to-month change corresponding to the level 116,150,000; one method of calculation is given below.

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

Thus, a 90-percent confidence interval for the true month-to-month change would be approximately the interval from 698,000 to 1,502,000.

*Use of tables 1-F and 1-G.* These tables can be used to find approximate standard errors for a wide range of estimated monthly levels, proportions, rates, and estimates of consecutive monthly change. Instead of displaying standard errors, these tables provide parameters to be used with the formulas given below that allow the user to calculate standard errors.

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

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

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

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



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

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

*Standard errors of estimated levels.* The approximate standard error,  $s_x$ , of an estimated monthly level,  $x$ , can be obtained using the formula below, where  $a$  and  $b$  are the parameters from table 1-F associated with the particular characteristic. The same formula can be used to approximate the standard error of an estimated month-to-month change in level; simply average the levels for the 2 consecutive months and use the parameters from table 1-G.

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

*Illustration.* Assume that in a given month there are an estimated 6 million unemployed men in the civilian labor force ( $x = 6,000,000$ ). Obtain the appropriate  $a$  and  $b$  parameters from table 1-F ("Unemployment: Total or white"). Use the formula to compute an approximate standard error on the estimate of 6,000,000.

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

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

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

$$a = -0.000093662 \quad b = 4191.84$$

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

An approximate 90-percent confidence interval for the true month-to-month change would be the interval from

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

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

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

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

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

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

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

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

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

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

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

<sup>1</sup> Excludes not-in-labor-force data.

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

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

*Use of table 1-H.* Use this table with table 1-B, 1-C, 1-D, or 1-F to calculate approximate standard errors for quarterly

or yearly averages, changes in consecutive quarterly or yearly averages, and consecutive year-to-year changes in monthly estimates. Table 1-H gives factors that can be used to convert standard errors for monthly levels into standard errors for other time periods and changes over time. Follow these three basic steps:

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

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

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

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

**Step 1.** The quarterly average is 11,600,000.

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

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

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

**Step 3.** Multiply this result by the factor .87 from table 1-H (column labeled "Quarterly averages" and row labeled "Labor force and not-in-labor-force data other than agricultural employment and unemployment, Black"). This gives an approximate standard error of 122,000 on the quarterly average of 11,600,000.

Proceed to obtain the approximate standard error on the change in consecutive quarterly average estimates of black employment. Assume that black employment estimates for the months in the second quarter are observed to be 11,100,000, 11,200,000, and 11,300,000.

**Step 1.** The average for the second quarter is 11,200,000.

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

Characteristic	a	b
<b>Labor force and not-in-labor-force data other than agricultural employment and unemployment:</b>		
Total or white:		
Most characteristics .....	-0.000012482	2001.12
High correlation characteristics <sup>1</sup> .....	-0.000009288	1564.84
Low correlation characteristics <sup>1</sup> .....	-0.000016162	2550.56
Men:		
Most characteristics .....	-0.000022599	1921.13
High correlation characteristics .....	-0.000016814	1500.99
Low correlation characteristics .....	-0.000058387	2668.56
Women:		
Most characteristics .....	-0.000021229	1689.99
Low correlation characteristics .....	-0.000059785	2690.59
Both sexes, 16 to 19 years .....	-0.000186555	2616.54
Black:		
Most characteristics .....	-0.000098960	2147.36
Low correlation characteristics .....	-0.001928030	6513.82
Men:		
Most characteristics .....	-0.000234427	2280.03
Low correlation characteristics .....	-0.002881467	5829.60
Women:		
Most characteristics .....	-0.000156363	1860.78
Low correlation characteristics .....	-0.002311407	5420.13
Both sexes, 16 to 19 years .....	-0.001288452	3131.77
Hispanic origin:		
Total .....	-0.000157201	2774.53
Civilian labor force and not in labor force .....	-0.000102898	1930.51
Low correlation characteristics .....	-0.002624078	8620.43
Men, civilian labor force and not in labor force .....	-0.000248038	2347.42
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years .....	-0.000398909	3615.62
Women, 16 years and over and 20 years and over .....	-0.000338741	2569.69
<b>Agricultural employment:</b>		
Total or white:		
Total .....	-0.000395757	3838.04
Men .....	-0.000672985	3959.25
Women or both sexes, 16 to 19 years .....	.000130289	2367.00
Black:		
Total or women .....	-0.000122355	2861.72
Men or both sexes, 16 to 19 years .....	-0.019110769	5876.77
Hispanic origin:		
Total or women .....	.002872129	4640.81
Men or both sexes, 16 to 19 years .....	.002884390	4028.10
Self-employed .....	-0.000245791	2091.57
<b>Unemployment:<sup>2</sup></b>		
Total or white:		
Total, men, women .....	-0.000093662	4191.84
Both sexes, 16 to 19 years and low correlation characteristics .....	-0.000071624	5121.75
Black:		
Total, men, women, and both sexes, 16 to 19 years .....	-0.000414217	4361.16
High correlation characteristics .....	.000048170	3088.91
Hispanic origin:		
Total, men, women .....	-0.000252897	5054.25
Both sexes, 16 to 19 years and low correlation characteristics .....	-0.000996431	7037.75

<sup>1</sup> High correlation characteristics include employed full-time, manufacturing, service workers, and not in the labor force. Low correlation characteristics include all part-time workers; employed, with a job, but not at work; unpaid family workers; and precision production, craft, and repair occupations.

<sup>2</sup> High correlation characteristics include full-time jobseekers; job losers; manufacturing workers; and operators, fabricators, and laborers. Low correlation characteristics include part-time jobseekers, reentrants, persons unemployed for less than 5 weeks and from 5 to 14 weeks.

The average of the 2 quarters is 11,400,000.

Step 2. Obtain the a and b parameters as above and use the formula for  $s_x$  to compute an approximate standard error for the estimate of 11,400,000, treating it as an estimate for a single month.

$$s_x = \sqrt{(-0.000125300)(11,400,000)^2 + (3139.26)(11,400,000)} = 140,000$$

Step 3. Multiply this result by the factor .84 from table

1-H (column labeled "Change in quarterly averages" and row labeled "Labor force and not-in-labor-force data other than agricultural employment and unemployment, Black"). This gives an approximate standard error of 118,000 on the estimated change of 400,000 from one quarter to the next.

The estimated change clearly exceeds 2 standard errors; therefore, one could conclude from these data that the change in quarterly averages is significant.

**Table 1-H. Factors to be used with tables 1-B, 1-C, 1-D, and 1-F to compute the approximate standard errors for levels, rates, and percentages for year-to-year change of monthly estimates, quarterly averages, change in quarterly averages, yearly averages, and change in yearly averages**

Characteristic	Factor				
	Year-to year change of monthly estimate	Quarterly averages	Change in quarterly averages	Yearly averages	Change in yearly averages
<b>Agricultural employment:</b>					
Total or men .....	1.30	0.92	0.70	0.79	0.70
Women .....	1.30	.82	.84	.57	.70
Both sexes, 16 to 19 years .....	1.30	.78	.88	.49	.70
Part time .....	1.40	.80	.80	.59	.70
<b>Unemployment:</b>					
Total .....	1.40	.74	.88	.46	.65
Part time .....	1.40	.67	.88	.42	.54
<b>Labor force and not-in-labor-force data other than agricultural employment and unemployment:</b>					
Total or white .....	1.30	.87	.85	.65	.70
Black .....	1.30	.87	.84	.65	.70
Hispanic origin .....	1.30	.87	.80	.65	.70
Both sexes, 16 to 19 years .....	1.30	.79	.88	.54	.70
Part time .....	1.40	.82	.90	.51	.60

# Establishment Data ("B" tables)

## COLLECTION

BLS cooperates with State employment security agencies in the Current Employment Statistics (CES) or establishment survey to collect data each month on employment, hours, and earnings from a sample of nonfarm establishments (including government). This sample includes about 390,000 reporting units. From these data, a large number of employment, hours, and earnings series in considerable industry and geographic detail are prepared and published each month. Historical statistics can be found in *Employment, Hours, and Earnings, United States*, and *Employment, Hours, and Earnings, States and Areas*. These data are also available in machine-readable format and on the INTERNET.

Each month, the State agencies collect data on employment, payrolls, and paid hours from a sample of establishments. Data are collected by mail from most respondents; phone collection is used to obtain higher response rates from selected respondents through computer-assisted interviews, touch-tone self-response, and voice recognition technology.

The respondents extract the requested data from their payroll records, which must be maintained for a variety of tax and accounting purposes. All firms with 250 employees or more are asked to participate in the survey, as well as a sample of smaller firms.

A "shuttle" schedule (BLS form 790 series) is used for mail respondents. It is submitted each month by the respondents, edited by the State agency, and returned to the respondent for use again the following month.

The technical characteristics of the shuttle schedule are particularly important in maintaining continuity and consistency in reporting from month to month. The shuttle design automatically exhibits the trends of the reported data covered by the schedule during the year; therefore, the relationship of the current data to the data for the previous months is shown. The schedule also has operational advantages. For example, accuracy and economy are achieved by entering the identification codes and the address of the reporter only once a year.

All schedules are edited by the State agencies each month to make sure that the data are correctly reported and that they are consistent with the data reported by the establishment in earlier months and with the data reported by other establishments in the industry. The State agencies forward the data, either on the schedules themselves or in machine-readable form, to BLS-Washington. They also use the information provided on the forms to develop State and area estimates of employment, hours, and earnings. At BLS, the data are edited again by computer to detect processing and reporting errors which may have been missed in the initial State editing; the edited data are used to prepare national estimates.

It should be noted that for employment, the sum of the State figures will differ from the official U.S. national totals because of the effects of differing industrial and geographic stratification and differences in the timing of benchmark adjustments.

## CONCEPTS

### Industrial classification

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

All data on employment, hours, and earnings for the Nation (beginning with August 1990 data) and for States and areas (beginning with January 1990 data) are classified in accordance with the *1987 Standard Industrial Classification Manual* (SIC), Office of Management and Budget.

### Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th day of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday, on paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, on strike for the entire period, or who were hired but have not yet reported during the period.

*Indexes of diffusion of employment change* (table B-6). These indexes measure the dispersion among industries of

the change in employment over the specified time span. Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (3-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 3-digit industries.

To derive the indexes, each component industry is assigned a value of 0, 50, or 100 percent, depending on whether its employment showed a decrease, no change, or an increase, respectively, over the time span. The average value (mean) is then calculated, and this percent is the diffusion index number.

The reference point for diffusion analysis is 50 percent, the value which indicates that the same number of component industries had increased as had decreased. Index numbers above 50 show that more industries had increasing employment, and values below 50 indicate that more had decreasing employment. The margin between the percent that increased and the percent that decreased is equal to the difference between the index and its complement, i.e., 100 minus the index. For example, an index of 65 percent means that 30 percent more industries had increasing employment than had decreasing employment ( $65 - (100 - 65) = 30$ ). However, for dispersion analysis, the distance of the index number from the 50-percent reference point is the most significant observation.

Although diffusion indexes are commonly interpreted as showing the percent of components that increased over the time span, it should be remembered that the index reflects half of the unchanged components as well. (This is the effect of assigning a value of 50 percent to the unchanged components when computing the index.)

### **Industry hours and earnings**

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

*Production and related workers.* This category includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations.

*Construction workers.* This group includes the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs

(such as precutting and preassembling) ordinarily performed by members of the construction trades.

*Nonsupervisory employees.* These are employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

*Payroll.* This refers to the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th day of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. Employee benefits (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

*Hours.* These are the hours paid for during the pay period which includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

*Overtime hours.* These are hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which included the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

*Average weekly hours.* The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

*Indexes of aggregate weekly hours.* The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly fig-

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

*Average overtime hours.* The overtime hours represent that portion of the average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Because overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months.

*Average hourly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under production worker, construction worker, or nonsupervisory employee definitions.

*Average hourly earnings, including lump-sum wage payments.* These series are compiled only for aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing. The same concepts and estimation methods apply to these series as apply to the average hourly earnings series described above; the one difference between the series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 and SIC 3761

covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

*Average hourly earnings, excluding overtime.* Average hourly earnings, excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production worker hours and one-half of total overtime hours. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

*Railroad hours and earnings.* The figures for Class I railroads plus Amtrak (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

*Average weekly earnings.* These estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as the proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

*Real earnings.* These earnings are in constant dollars and are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). The reference year for these series is 1982.

## ESTIMATING METHODS

The Current Employment Statistics (CES) or establishment survey estimates of employment are generated through an annual benchmark and monthly sample link procedure. Annual universe counts or benchmark levels are generated primarily from administrative records on employees covered by unemployment insurance (UI) tax laws. These annual benchmarks, established for March of each year, are projected forward for each subsequent month based on the trend of the sample employment, using an estimation procedure called the link relative. Benchmarks and sample link relatives are computed for each of 1,703 basic estimation cells defined by industry, size, and geography for the CES national estimates, and summed to create aggregate level employment estimates.

### Benchmarks

The establishment survey constructs annual benchmarks in order to realign the sample-based employment totals for March of each year with the UI-based population counts for March. These population counts are much less timely than sample-based estimates; however, they provide an annual point-in-time census for employment.

Population counts are derived from the administrative file of employees covered by UI. All employers covered by UI laws are required to report employment and wage information to the appropriate State employment security agency four times a year. Approximately 98 percent of in-scope private employment is covered by UI. A benchmark for the remaining 2 percent is constructed from alternate sources, primarily records from the Interstate Commerce Commission and the Social Security Administration. The full benchmark developed for March replaces the March sample-based estimate for each basic cell. The monthly sample-based estimates for the year preceding and the year following the benchmark are also then subject to revision.

Monthly estimates for the year preceding the March benchmark are readjusted using a "wedge back" procedure. The difference between the final benchmark level and the previously published March sample estimate is calculated and spread back across the previous 11 months. The wedge is linear; eleven-twelfths of the March difference is added to the February estimates, ten-twelfths to the January estimates, and so on, back to the previous April estimates which receive one-twelfth of the March difference. This assumes that the total estimation error since the last benchmark accumulated at a steady rate throughout the current benchmark year.

Estimates for the 11 months following the March benchmark are also recalculated each year. These post-benchmark estimates reflect the application of sample-based monthly changes to new benchmark levels for March, and the recomputation of bias adjustment factors for each month. Bias factors are updated to take into account the most recent experience of the estimates generated by the monthly

sample versus the full universe counts derived from the UI.

Following the revision of basic employment estimates, all other derivative series (e.g., production workers, average hourly earnings) are also recalculated. New seasonal adjustment factors are calculated and all data series for the previous 5 years are reseasonally adjusted, prior to full publication of all revised data in June of each year.

### Monthly estimation

Estimates are derived from a sample of approximately 390,000 business establishments nationwide. A current month's estimate is derived as the product of the previous month's estimate and a sample link relative for the current month. A bias adjustment factor is then applied to this result primarily to help account for new business births during the month.

*Stratification.* The sample is stratified into 1,703 basic estimation cells for purposes of computing national employment, hours, and earnings estimates. Cells are defined primarily by detailed industry, and secondarily by size for a majority of cells. In a few industries, mostly within the construction division, geographic stratification is also used. Industry classification is in accordance with the *1987 Standard Industrial Classification Manual (SIC)*; most estimation cells are defined at the 4-digit SIC level.

This detailed stratification pattern allows for the production and publication of estimates in considerable industry detail. Sub-industry stratification by size is important because major statistics which the survey measures, particularly employment change and average earnings, often vary significantly between establishments of different size. Stratification reduces the variance of the published industry level estimates.

*Link relative technique.* A ratio of the previous to the current month's employment is computed from a sample of establishments reporting for both months—this ratio is called a "link relative." For each basic cell, a link relative is computed and applied to the previous month's employment estimate to derive the current month's estimate. Thus a March benchmark is moved forward to the next March benchmark through application of monthly link relatives. Basic cell estimates created through the link relative technique are aggregated to form published industry level estimates, for employment, as described in table 2-A. Basic estimation and aggregation methods for the hours and earnings data are also shown in table 2-A.

*Bias adjustment.* Bias adjustment factors are computed at the 3-digit SIC level, and applied each month at the basic cell level, as part of the standard estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey, the inability to capture, on a timely basis, employment generated by new firm births. There is a several month lag between an



**Table 2-A. Summary of methods for computing industry statistics on employment, hours, and earnings**

Employment, hours, and earnings	Basic estimating cell (industry, region, size or region/size cell)	Aggregate industry level (division and, where stratified, industry)
<b>Monthly data</b>		
All employees .....	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. <sup>1</sup>	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees .....	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours .....	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.
Average weekly overtime hours .....	Production worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings .....	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings .....	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
<b>Annual average data</b>		
All employees, women employees, and production or nonsupervisory workers .....	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Average weekly hours .....	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours .....	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Average hourly earnings .....	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings .....	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

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

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

are modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample and, at the same time, tapers or wedges the estimate toward the level of the latest sample average.

establishment opening for business and its appearing on the UI universe frame and being available for sampling. Because new firms generate a portion of employment growth each month of the year, nonsampling methods must be used to capture this growth, otherwise substantial underestimation of total employment levels would occur. Formal bias adjustment procedures have been used by the establishment survey since the late 1960's. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming year. The undercount errors were measured as the difference between sample-based estimate results and benchmark levels.

This procedure eventually proved inadequate during periods of rapidly changing employment trends, and the bias adjustment methodology was revised. Research done in the early 1980's indicated that bias requirements were strongly correlated with current employment growth or decline. Based on this research, a revised method was developed which incorporated the sample data on employment growth over the most recent two quarters, and a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This change in methodology provided a more cyclically sensitive bias model. The regression-adjusted mean error model has been in use since 1983, for the production of national estimates.

The current model still has limitations in its ability to react to changing economic conditions or changing error structure relationships between the sample-based estimates and the UI universe counts. A principal limitation is the inability to incorporate UI universe counts as they become available on an ongoing basis, with a 6- to 9-month lag from the reference period. Thus, the current quarterly outputs from the model are subject to intervention analysis, and adjustments can be made to its results, prior to the establishment of final bias levels for a quarter. Review is done primarily in terms of detection of outlier (i.e. abnormally high or low) values, and by comparison of CES sample and bias trends with the most recent quarterly observations of UI universe counts. The BLS currently has under study improved bias models utilizing a Kalman filter technique, which would allow a more formal, structured incorporation of each quarter's UI universe counts in the bias modeling process.

Although the primary function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other elements of nonsampling error in the survey, because the primary input to the modeling procedure is total estimation error. Significant among these nonsampling error sources is a business death bias. When a sampled firm closes down, most often it simply does not respond to the survey that month, rather than reporting zero employment. Followup with nonrespondents may reveal an out-of-business firm, but this information is often received too late to incorporate into monthly esti-

mates, and the firm is simply treated as a nonrespondent for that month.

Because the bias adjustments incorporated into the estimates represent a composite of a birth bias, death bias, and a number of other differences between the sample-based estimates and the population counts, the monthly bias adjustment levels have no specific economic meaning in and of themselves.

Table 2-B summarizes bias adjustments for the 1985-95 period. The table displays the average monthly "bias added" and the average monthly "bias required" with the benchmark revisions for each year. Bias added shows the average amount of bias which was added each month over the course of an interbenchmark period. For example, the bias added for 1995 is listed as 144,000; this represents the average of bias adjustments made each month over the period April 1994 through March 1995. Bias required is computed retrospectively, after the March benchmark for a given year is known. Bias required figures are calculated by taking the difference between a March estimate derived purely from the sample (i.e. a series calculated without bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required is thus defined as the amount of bias adjustment which would have achieved a zero benchmark error. The difference between the total bias required and the total bias added is then, by definition, approximately the benchmark revision amount, for any given year. Also provided in the table for illustration, are the March-to-March changes. As discussed above, the over-the-year changes indicate correlation with the bias added and bias required figures.

## THE SAMPLE

### Design

The emphasis in the establishment survey is on producing timely data at minimum cost. Therefore, the primary goal of its design is to sample a sufficiently large segment of the universe to provide reliable estimates that can be published both promptly and regularly. The present sample allows BLS to produce preliminary total nonfarm employment estimates for each month, including some limited industry detail, within 3 weeks after the reference period, and data in considerably more detail with an additional one-month lag.

The sampling plan used in the establishment survey is a form of sampling with probability proportionate to size, known as "sampling proportionate to average size of establishment". This is an optimum allocation design among strata because sampling variance is proportional to the average size of establishments. The universe of establishment employment is highly skewed, with a large percentage of total employment concentrated in relatively few establishments. Because variance on a population total estimate is a function of percentage universe coverage achieved by the sample, it is efficient to sample larger establishments at a

higher rate than smaller establishments, assuming the cost per sample unit is fairly constant across size classes.

Under the establishment survey design, large establishments fall into a certainty strata for sample selection. The size of the sample for the various industries is determined empirically on the basis of experience and cost considerations. For example, in a manufacturing industry with a high proportion of total employment concentrated in a small number of establishments, a larger percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments, with a relatively few chosen from among the smaller establishments. For an industry in which a large proportion of total employment is concentrated in small establishments, the sample design again calls for inclusion of all large establishments but also for a more substantial number of smaller ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to have a sample design for these industries with a smaller proportion of total universe coverage than is the case for most manufacturing industries.

### Coverage

The establishment survey is the largest monthly sampling operation in the field of social statistics. Table 2-C shows the latest benchmark employment levels and the approximate proportion of total universe employment coverage, at the total nonfarm and major industry division levels. The coverage for individual industries within the divisions may vary from the proportions shown.

### Reliability

The establishment survey, like other sample surveys, is

subject to two types of error, sampling and nonsampling error. The magnitude of sampling error, or variance, is directly related to the size of the sample and the percentage of universe coverage achieved by the sample. The establishment survey sample covers over one-third of total universe employment; this yields a very small variance on the total nonfarm estimates. Measurements of error associated with sample estimates are provided in tables 2-D through 2-G.

*Benchmark revision as a measure of survey error.* The sum of sampling and nonsampling error can be considered total survey error. Unlike most sample surveys which publish sampling error as their only measure of error, the CES can derive an annual approximation of total error, on a lagged basis, because of the availability of the independently derived universe data. While the benchmark error is used as a measure of total error for the CES survey estimate, technically, it actually represents the difference between two independent estimates derived from separate survey processes (i.e., the CES sample process and the UI universe process) and thus reflects the errors present in each program. Historically, the benchmark revision has been very small for total nonfarm employment. Over the past decade, percentage benchmark error has averaged 0.2 percent, with a range from zero to 0.7 percent. Table 2-D shows the most current benchmark revisions, along with 10-year mean revisions and mean absolute revisions for major industries. Mean revisions give an indication of bias in the estimates; unbiased estimates have a mean revision close to zero, as over and under estimations cancel out over time. Mean absolute revisions give an overall indicator as to the accuracy of the estimates; the larger the value, the further the estimate was from the final benchmark level.

**Table 2-B. March employment benchmarks and bias adjustments for total private industries, March 1985-95**  
(In thousands)

Year	Benchmark		Average monthly bias		Over-the-year employment change <sup>5</sup>
	Employment <sup>1</sup>	Revision <sup>2</sup>	Added <sup>3</sup>	Required <sup>4</sup>	
1985 .....	79,446	-131	152	141	3,075
1986 .....	81,204	-400	149	116	1,758
1987 .....	83,173	21	98	99	1,969
1988 .....	86,180	-310	114	88	3,007
1989 .....	89,015	-93	131	123	2,835
1990 .....	90,546	-261	85	63	1,531
1991 .....	88,790	-583	61	12	-1,756
1992 .....	88,347	-130	33	22	-443
1993 .....	89,790	288	83	107	1,443
1994 .....	92,730	688	115	171	2,940
1995 .....	96,175	511	144	187	3,445

<sup>1</sup> Universe counts for March of each year are used to make annual benchmark adjustments to the employment estimates. About 98 percent of the benchmark employment is from unemployment insurance administrative records, and the remaining 2 percent is from alternate sources. Data represent benchmark levels as originally computed.

<sup>2</sup> Difference between the final March sample-based estimate and the benchmark level for total private employment.

<sup>3</sup> The average amount of bias adjustment each month over the

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

<sup>4</sup> The difference between the March benchmark and the March estimate derived solely from the sample without bias adjustment, converted to a monthly amount by dividing by 12.

<sup>5</sup> March-to-March changes in the benchmark employment level.

NOTE: Data in this table exclude government employment because there is no bias adjustment for this sector.

*Estimated standard errors for employment, hours, and earnings.* The hours and earnings estimates for the basic estimating cells do not have universe data sources available and therefore are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. Like the employment estimates, the hours and earnings estimates are also subject to sampling and nonsampling errors. Estimates of the sampling error for employment, hours, and earnings were computed using the method of random groups and are expressed as relative standard errors (standard error divided by the estimate). Relative standard errors for individual industries with the specified number of employees are presented in table 2-E and for major industries in table 2-F. Multiplying the relative standard error by its estimated value gives the estimate of the standard error. The errors presented here are based on averages observed from sample data over the March 1994 through March 1995 period.

*Standard errors for differences between industries and times.* The standard error of a difference is required to test for significant differences between estimates from two different industries. Since the estimates for the two industries are independent, the standard error of a difference is the square root of the sum of the estimated variance of each estimate,  $S_1^2$  and  $S_2^2$ .

$$S \text{ difference} = \sqrt{s_1^2 + s_2^2}$$

The CES sample overlaps almost entirely from month to month, so monthly estimates are not independent. The covariance between these estimates must be accounted for when testing the significance of the change in estimates over time. The standard error of the change can be estimated as follows.

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

If  $S_1 = S_2$ , then:

$$S \text{ change} = \sqrt{2s_1^2(1 - \rho)}$$

Conservative estimates of  $\rho$  after one month are 0.8 for employment, 0.6 for average weekly hours, and 0.8 for average hourly earnings.

If the bias is small, then the standard error can be used to construct approximate confidence intervals or range of values that include the true population value. If the process of selecting a sample from the population were repeated many times and an estimate and its standard error calculated for each sample, then approximately 68 percent of the intervals from one standard error below the estimate to one stan-

dard error above the estimate would include the true population value.

*Noneconomic code changes.* A major source of benchmark revision at the major industry division level and below are noneconomic code changes, which are introduced into the universe data in the first quarter of each calendar year.

Approximately one-third of all establishments in the universe are included in the universe program's annual Standard Industrial Classification (SIC) refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this process. The refiling cycle is such that every third year entire division(s) are subject to refiling. The volume of these adjustments is generally quite large and has a substantial impact on universe employment counts at the industry levels, although the total nonfarm employment level remains unaffected. For example, in a year when the services division is refiled, a substantial amount of employment is usually reclassified out of services to other major divisions, thus, lowering the bench-

**Table 2-C. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1995**  
(Numbers in thousands)

Industry	Bench- marks	Sample coverage <sup>1</sup>		
		Number of establish- ments	Employees	
			Number	Percent of bench- marks
<b>Total .....</b>	<b>115,849</b>	<b>329,162</b>	<b>44,856</b>	<b>39</b>
Mining .....	576	3,605	247	43
Construction .....	4,748	26,680	950	20
Manufacturing .....	18,460	59,882	9,261	50
Transportation and public utilities .....	6,066	<sup>2</sup> 17,111	2,404	40
Wholesale trade ..	6,316	26,177	1,144	18
Retail trade .....	20,627	65,892	5,043	24
Finance, insurance, and real estate ...	6,770	24,699	2,206	33
Services .....	32,612	79,479	8,275	25
<b>Government:</b>				
Federal .....	2,822	( <sup>3</sup> )	2,822	100
State .....	4,777	6,122	4,013	84
Local .....	12,075	19,515	8,491	70

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

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

<sup>3</sup> Total Federal employment counts by agency for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 5,586 reports covering about 58 percent of employment in Federal establishments.

**Table 2-D. Current (March 1995) and historical benchmark revisions**  
(Numbers in thousands)

Industry	March 1995 benchmark revision		10-year average mean percent revision <sup>1</sup>	
	Level	Percent	Actual	Absolute
Total .....	542	0.5	0	0.3
Total private .....	511	.5	0	.4
Goods-producing .....	-19	-.1	-0.3	.8
Mining .....	1	.2	-1.4	1.8
Metal mining .....	0	0	-2.4	2.8
Coal mining .....	-2	-1.9	-.9	1.9
Oil and gas extraction .....	3	.9	-1.7	2.5
Nonmetallic minerals, except fuels .....	1	1.0	-.4	1.6
Construction .....	-75	-1.6	-.8	1.4
General building contractors .....	-40	-3.5	-.6	2.4
Heavy construction, except building .....	10	1.5	.2	1.9
Special trade contractors .....	-46	-1.6	-1.1	1.6
Manufacturing .....	55	.3	-.1	.7
Durable goods .....	53	.5	0	.7
Lumber and wood products .....	6	.8	-.2	1.7
Furniture and fixtures .....	9	1.7	.3	1.1
Stone, clay, and glass products .....	-3	-.6	.1	.8
Primary metal industries .....	-4	-.6	-.4	1.0
Blast furnaces and basic steel products .....	1	.4	0	1.5
Fabricated metal products .....	3	.2	-.1	.9
Industrial machinery and equipment .....	15	.7	-.4	1.2
Computer and office equipment .....	11	3.2	-.2	2.4
Electronic and other electrical equipment .....	-1	-.1	-.7	1.1
Electronic components and accessories .....	0	0	-.5	1.8
Transportation equipment .....	39	2.2	1.1	1.1
Motor vehicles and equipment .....	34	3.5	1.6	1.6
Aircraft and parts .....	6	1.3	.9	1.3
Instruments and related products .....	-7	-.8	-.2	1.8
Miscellaneous manufacturing .....	-4	-1.0	0	1.5
Nondurable goods .....	2	( <sup>2</sup> )	-.2	.7
Food and kindred products .....	-5	-.3	-.2	.9
Tobacco products .....	2	5.0	-.6	4.7
Textile mill products .....	10	1.5	0	.8
Apparel and other textile products .....	15	1.6	-.2	1.3
Paper and allied products .....	4	.6	.1	.7
Printing and publishing .....	-14	-.9	-.5	.9
Chemicals and allied products .....	-11	-1.1	-.2	.8
Petroleum and coal products .....	1	.7	-.3	1.8
Rubber and miscellaneous plastics products .....	3	.3	.2	1.5
Leather and leather products .....	-3	-2.8	-.7	2.6
Service-producing .....	561	.6	0	.3
Transportation and public utilities .....	-43	-.7	-.2	.9
Transportation .....	-18	-.5	-.4	1.3
Railroad transportation .....	0	0	-.7	1.2
Local and interurban passenger transit .....	-20	-4.7	.5	2.2
Trucking and warehousing .....	-12	-.7	-.2	1.5
Water transportation .....	11	6.5	0	4.0
Transportation by air .....	17	2.2	-.8	1.9
Pipelines, except natural gas .....	-2	-13.3	0	4.5
Transportation services .....	-12	-2.9	-1.2	2.9
Communications and public utilities .....	-25	-1.1	.1	.8
Communications .....	-32	-2.4	.2	1.3
Electric, gas, and sanitary services .....	5	.5	-.1	.7
Wholesale trade .....	73	1.2	-.4	1.3
Durable goods .....	55	1.5	-.6	1.6
Nondurable goods .....	18	.7	-.2	1.0

See footnotes at end of table.

**Table 2-D. Current (March 1995) and historical benchmark revisions—Continued**  
(Numbers in thousands)

Industry	March 1995 benchmark revision		10-year average mean percent revision <sup>1</sup>	
	Level	Percent	Actual	Absolute
Retail trade .....	327	1.6	.4	.7
Building materials and garden supplies .....	17	2.0	.5	1.6
General merchandise stores .....	120	4.7	2.2	2.7
Department stores .....	110	4.9	2.8	3.5
Food stores .....	7	.2	-.4	.9
Automotive dealers and service stations .....	-20	-.9	-1.2	1.2
New and used car dealers .....	-6	-.6	-.4	1.1
Apparel and accessory stores .....	32	2.9	1.1	1.6
Furniture and home furnishings stores .....	-3	-.3	-.7	1.2
Eating and drinking places .....	133	1.9	.6	1.2
Miscellaneous retail establishments .....	41	1.6	.2	.9
Finance, insurance, and real estate .....	-120	-1.8	-.3	1.1
Finance .....	-79	-2.4	-.7	1.2
Depository institutions .....	-31	-1.5	-1.1	1.5
Commercial banks .....	-25	-1.7	-.5	.8
Savings institutions <sup>2</sup> .....	-9	-3.2	-4.7	6.9
Nondepository institutions .....	-25	-5.5	.5	2.0
Mortgage bankers and brokers .....	-25	-12.6	.7	5.4
Security and commodity brokers .....	-8	-1.5	.1	1.3
Holding and other investment offices .....	-16	-7.1	-1.8	4.7
Insurance .....	-5	-.2	.4	1.2
Insurance carriers .....	4	.3	.7	1.5
Insurance agents, brokers, and service .....	-9	-1.3	-.2	1.8
Real estate .....	-36	-2.7	-.5	1.6
Services <sup>4</sup> .....	293	.9	.1	.6
Agricultural services .....	-4	-.8	2.4	2.6
Hotels and other lodging places .....	42	2.6	.7	1.5
Personal services .....	4	.3	.5	1.5
Business services .....	134	2.0	.3	1.7
Services to buildings .....	9	1.0	.9	1.9
Personnel supply services .....	58	2.5	1.4	3.9
Help supply services <sup>3</sup> .....	49	2.3	1.7	3.3
Computer and data processing services .....	28	2.7	-1.1	2.8
Auto repair, services, and parking .....	-7	-.7	-1.1	1.5
Miscellaneous repair services .....	14	4.0	-1.3	4.8
Motion pictures .....	-96	-20.0	-1.9	4.6
Amusement and recreation services .....	-32	-2.5	.5	3.0
Health services .....	-28	-.3	-.8	.9
Offices and clinics of medical doctors .....	14	.9	-1.4	2.0
Nursing and personal care facilities .....	-1	-.1	-.9	1.1
Hospitals .....	-37	-1.0	-.7	.8
Home health care services <sup>3</sup> .....	13	2.1	1.0	2.9
Legal services .....	-9	-1.0	-.2	1.4
Educational services .....	90	4.3	1.3	3.1
Social services .....	61	2.6	-.6	1.9
Child day care services .....	42	7.3	-2.7	5.0
Residential care .....	5	.8	0	1.7
Museums and botanical and zoological gardens .....	-2	-2.7	1.5	2.8
Membership organizations .....	72	3.4	2.6	3.2
Engineering and management services <sup>3</sup> .....	37	1.4	.5	1.6
Engineering and architectural services .....	11	1.4	-1.0	1.9
Management and public relations <sup>3</sup> .....	9	1.2	2.3	3.5
Services, nec .....	2	4.7	-.5	1.4
Government .....	31	.2	0	.3
Federal .....	0	0	0	0
Federal, except Postal Service .....	0	0	0	0
State .....	41	.9	.3	.6
Education .....	22	1.1	.6	.9
Other State government .....	20	.7	.1	.6
Local .....	-10	-.1	-1.1	.3
Education .....	-34	-.5	-.2	.4
Other local government .....	24	.5	0	.4

<sup>1</sup> Data relate to the 1985-94 benchmarks, as originally published, unless otherwise noted.

<sup>2</sup> Less than 0.05 percent.

<sup>3</sup> Data relate to 1989-95.

<sup>4</sup> Includes other industries, not shown separately.

**Table 2-E. Relative standard errors<sup>1</sup> for estimates of employment, hours, and earnings**  
(In percent)

Size of employment estimate	Employment	Average weekly hours	Average hourly earnings
50,000 .....	1.4	1.9	3.2
100,000 .....	1.1	1.5	2.6
200,000 .....	.8	1.2	2.2
500,000 .....	.6	.9	1.7
1,000,000 .....	.4	.7	1.3
2,000,000 .....	.3	.6	1.1

<sup>1</sup> Relative errors were estimated with sample data from March 1994-March 1995.

**Table 2-F. Relative standard errors<sup>1</sup> for estimates of employment, hours, and earnings by industry**  
(In percent)

Industry	Employment	Average weekly hours	Average hourly earnings
Total private .....	0.1	0.1	0.2
Mining .....	.8	.6	1.1
Construction .....	.4	.1	.3
Manufacturing .....	.1	.1	.4
Durable goods .....	.1	.1	.5
Nondurable goods .....	.1	.1	.5
Transportation and public utilities .....	.3	.5	1.0
Wholesale trade .....	.2	.2	.4
Retail trade .....	.1	.1	.3
Finance, insurance, and real estate .....	.2	.2	.7
Services .....	.2	.2	.4

<sup>1</sup> Relative errors were estimated with sample data from March 1994-March 1995.

mark level for services, and potentially causing a significant downward revision in the services employment totals previously published.

*Revisions between preliminary and final data.* First preliminary estimates of employment, hours, and earnings, based on less than the total sample, are published immediately following the reference month. Final revised sample-based estimates are published 2 months later when nearly

all the reports in the sample have been received. Table 2-G presents the root-mean-square error, the mean percent, and the mean absolute percent revision that may be expected between the preliminary and final employment estimates.

Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings, at the total private nonfarm level, and may be slightly larger for the more detailed industry groupings.

## STATISTICS FOR STATES AND AREAS

### (Tables B-7, B-14, and B-18)

As explained earlier, State agencies in cooperation with BLS collect and prepare State and area employment, hours, and earnings data. These statistics are based on the same establishment reports used by BLS, however, BLS uses the full CES sample to produce monthly national employment estimates, while each State agency uses its portion of the sample to independently develop a State employment estimate.

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

*Caution in aggregating State data.* The national estimation procedures used by BLS are designed to produce accurate national data by detailed industry; correspondingly the State estimation procedures are designed to produce accurate data for each individual State. State estimates are not forced to sum to national totals nor vice versa. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause distortions at an aggregate level. This has been a particular problem at turning points in the U.S. economy, when the majority of the individual State errors tend to be in the same direction. Due to these statistical limitations, the Bureau does not compile or publish a "sum-of-States" employment series. Additionally, BLS cautions users that such a series is subject to a relatively large and volatile error structure, particularly at turning points.

**Table 2-G. Errors of preliminary employment estimates**

Industry	Root-mean-square error of monthly level <sup>1</sup>	Mean percent revision	
		Actual	Absolute
Total .....	65,200	0	0
Total private .....	54,300	0	0
Goods-producing .....	15,500	0	0.1
Mining .....	2,200	-0.1	.3
Metal mining .....	400	0	.5
Coal mining .....	900	-.1	.5
Oil and gas extraction .....	2,200	-.1	.4
Nonmetallic minerals, except fuels .....	400	0	.3
Construction .....	9,600	.1	.2
General building contractors .....	4,200	.1	.3
Heavy construction, except building .....	3,900	.1	.4
Special trade contractors .....	6,200	.1	.2
Manufacturing .....	11,000	0	0
Durable goods .....	7,500	0	.1
Lumber and wood products .....	1,300	.1	.1
Furniture and fixtures .....	1,300	0	.2
Stone, clay, and glass products .....	1,200	0	.2
Primary metal industries .....	1,800	0	.2
Blast furnaces and basic steel products .....	1,500	-.1	.4
Fabricated metal products .....	2,100	0	.1
Industrial machinery and equipment .....	2,500	0	.1
Computer and office equipment .....	1,200	0	.3
Electronic and other electrical equipment .....	2,400	.1	.1
Electronic components and accessories .....	1,300	0	.2
Transportation equipment .....	4,000	0	.2
Motor vehicles and equipment .....	3,600	.1	.3
Aircraft and parts .....	1,400	0	.2
Instruments and related products .....	2,000	0	.2
Miscellaneous manufacturing .....	1,300	0	.3
Nondurable goods .....	5,900	0	.1
Food and kindred products .....	3,400	-.1	.2
Tobacco products .....	400	0	.7
Textile mill products .....	1,300	0	.1
Apparel and other textile products .....	2,500	.1	.2
Paper and allied products .....	1,200	0	.1
Printing and publishing .....	1,800	.1	.1
Chemicals and allied products .....	1,700	-.1	.1
Petroleum and coal products .....	1,000	-.1	.4
Rubber and miscellaneous plastics products .....	1,700	0	.1
Leather and leather products .....	700	0	.5
Service-producing .....	60,400	0	.1
Transportation and public utilities .....	8,900	-.1	.1
Transportation .....	7,700	-.1	.2
Railroad transportation .....	2,400	-.2	.7
Local and interurban passenger transit .....	3,900	-.1	.6
Trucking and warehousing .....	5,200	-.1	.2
Water transportation .....	2,000	0	.9
Transportation by air .....	2,400	-.1	.3
Pipelines, except natural gas .....	200	-.4	.8
Transportation services .....	1,200	-.1	.3
Communications and public utilities .....	4,800	0	.2
Communications .....	4,500	0	.2
Electric, gas, and sanitary services .....	1,900	0	.2
Wholesale trade .....	7,400	.1	.1
Durable goods .....	3,900	0	.1
Nondurable goods .....	5,000	.1	.1

See footnotes at end of table.



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

Industry	Root-mean-square error of monthly level <sup>1</sup>	Mean percent revision	
		Actual	Absolute
Retail trade .....	34,300	.1	.1
Building materials and garden supplies .....	2,500	0	.2
General merchandise stores .....	16,200	.1	.5
Department stores .....	15,200	.1	.5
Food stores .....	6,300	0	.1
Automotive dealers and service stations .....	2,900	-.1	.1
New and used car dealers .....	1,300	-.1	.1
Apparel and accessory stores .....	5,900	.2	.4
Furniture and home furnishings stores .....	4,000	0	.3
Eating and drinking places .....	13,000	.1	.2
Miscellaneous retail establishments .....	8,600	.1	.3
Finance, insurance, and real estate .....	6,800	0	.1
Finance .....	4,100	0	.1
Depository institutions .....	3,000	-.1	.1
Commercial banks .....	2,500	-.1	.1
Savings institutions .....	1,200	0	.2
Nondepository institutions .....	1,400	0	.2
Mortgage bankers and brokers .....	1,000	0	.4
Security and commodity brokers .....	1,000	0	.2
Holding and other investment offices .....	1,700	-.1	.5
Insurance .....	3,100	0	.1
Insurance carriers .....	2,700	0	.1
Insurance agents, brokers, and service .....	1,000	.1	.1
Real estate .....	3,000	0	.2
Services <sup>2</sup> .....	30,900	0	.1
Agricultural services .....	3,200	.1	.5
Hotels and other lodging places .....	6,100	.1	.3
Personal services .....	8,700	-.1	.5
Business services .....	13,000	.1	.2
Services to buildings .....	3,000	0	.3
Personnel supply services .....	10,500	.2	.4
Help supply services .....	9,800	.1	.4
Computer and data processing services .....	2,400	0	.2
Auto repair, services, and parking .....	1,900	0	.2
Miscellaneous repair services .....	1,200	-.1	.3
Motion pictures .....	5,900	-.1	.9
Amusement and recreation services .....	12,600	.4	.8
Health services .....	5,200	0	.1
Offices and clinics of medical doctors .....	2,900	.1	.1
Nursing and personal care facilities .....	2,000	0	.1
Hospitals .....	3,000	0	.1
Home health care services .....	1,600	.1	.3
Legal services .....	1,100	0	.1
Educational services .....	12,500	0	.6
Social services .....	7,900	.1	.3
Child day care services .....	4,200	.3	.6
Residential care .....	1,400	0	.2
Museums and botanical and zoological gardens .....	700	.1	.7
Membership organizations .....	3,900	0	.2
Engineering and management services .....	4,500	0	.1
Engineering and architectural services .....	2,300	0	.2
Management and public relations .....	2,600	.1	.3
Services, nec .....	400	.1	.8
Government .....	27,700	.1	.1
Federal .....	11,600	.1	.3
Federal, except Postal Service .....	10,700	.1	.4
State .....	12,700	0	.2
Education .....	11,500	0	.5
Other State government .....	6,000	0	.2
Local .....	21,200	.1	.1
Education .....	18,000	.1	.2
Other local government .....	13,500	0	.2

<sup>1</sup>The root-mean-square error is the square root of the mean squared error. The mean squared error is the square of the difference between the final and preliminary estimates averaged across a series of monthly observations.

<sup>2</sup>Includes other industries, not shown separately.

NOTE: Errors are based on differences from January 1991 through December 1995.

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

## FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMA's), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which derive from standardized procedures developed by BLS are the basis for determining eligibility of an area for benefits under Federal programs such as the Job Training Partnership Act.

Annual average data for the States and over 270 areas shown in table C-3 are published in *Employment and Earnings* (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

Labor force estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. The report "Unemployment in States and Local Areas" is published monthly through GPO and is available in microfiche form only, on a subscription basis.

## ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 6,500 areas, including nearly 2,400 LMA's, counties, and cities with a population of 25,000 or more. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. At the sub-LMA (county and city) level, estimates are prepared using disaggregation techniques based on decennial and annual population estimates and current unemployment insurance data. A more detailed description of the estimation procedure is contained in the BLS document, *Manual for Developing Local Area Unemployment Statistics*.

### Estimates for States

*Current monthly estimates.* Effective January 1996, civilian labor force and unemployment estimates for all States and the District of Columbia are produced using models based on a "signal-plus-noise" approach. The model of the signal is a time series model of the true labor force which consists of three components: A variable coefficient

regression, a flexible trend, and a flexible seasonal component. The regression techniques are based on historical and current relationships found within each State's economy as reflected in the different sources of data that are available for each State—the Current Population Survey (CPS), the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. The noise component of the models explicitly accounts for auto correlation in the CPS sampling error and changes in the average magnitude of the error. In addition, the models can identify and remove the effects of outliers in the historical CPS series. While all the State models have important components in common, they differ somewhat from one another to better reflect individual State characteristics.

Two models—one for the employment-to-population ratio and one for the unemployment rate—are used for each State. The employment-to-population ratio, rather than the employment level, and the unemployment rate, rather than the unemployment level, are estimated primarily because these ratios are usually more meaningful for economic analysis.

The employment-to-population ratio models use the relationship between the State's monthly employment from the CES and the CPS. The models also include trend and seasonal components to account for movements in the CPS not captured by the CES series. The seasonal component accounts for the seasonality in the CPS not explained by the CES, while the trend component adjusts for long-run systematic differences between the two series.

The unemployment rate models use the relationship between the State's monthly unemployment insurance (UI) claims data and the CPS unemployment rate, along with trend and seasonal components.

In both the employment-to-population ratio and unemployment rate models, an important feature is the use of a technique that allows the equations to adjust automatically to structural changes that occur. The regression portion of the model includes a built-in tuning mechanism, known as the Kalman Filter, which revises a model's coefficients when the new data that become available each month indicate that changes in the data relationships have taken place. Once the estimates are developed from the models, levels are calculated for employment, unemployment, and labor force.

*Benchmark correction procedures.* Once each year, monthly estimates for all States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a procedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual aver-

age, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

### **Estimates for sub-State areas**

Monthly labor force, employment, and unemployment estimates for two large sub-State areas—New York City and the Los Angeles-Long Beach metropolitan area—are obtained using the same modeling approach as for states. Estimates for the nearly 2,400 remaining LMA's, are prepared through indirect estimation techniques, described below.

*Preliminary estimate—employment.* The total civilian employment estimates are based largely on CES data. These “place-of-work” estimates must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed on the basis of employment relationships at the time of the 1990 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not represented in the CES—agricultural employees, nonagricultural self-employed and unpaid family workers, and private household workers.

*Preliminary estimate—unemployment.* In the current month,

the estimate of unemployment is an aggregate of the estimates for each of two categories: (1) Persons who were previously employed in industries covered by State UI laws; and (2) those who were entering the civilian labor force for the first time or reentering after a period of separation.

*Sub-State adjustment for additivity.* Estimates of employment and unemployment are prepared for the State and all LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment is applied to all sub-State preliminary LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment. For California and New York, the proportional adjustment is applied to all LMA's other than the two modeled areas, to ensure that the LMA estimates sum to an independent model-based estimate for the balance of State.

*Benchmark correction.* At the end of each year, sub-State estimates are revised. The revisions incorporate any changes in the inputs, such as revisions in the CES-based employment figures, corrections in UI claims counts, and updated historical relationships. The updated estimates are then re-adjusted to add to the revised (benchmarked) State estimates of employment and unemployment.

# Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other non-seasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, because they are subject not only to sampling and other errors but are also affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment-based data are published monthly in *Employment and Earnings*.

## Household data

Since January 1980, national labor force data have been seasonally adjusted with a procedure called *X-11 ARIMA* (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method* by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, January 1983.

BLS uses an extension of X-11 ARIMA to allow it to adjust more adequately for the effects of the presence or absence of religious holidays in the April survey reference period and of Labor Day in the September reference period. This extension was applied for the first time at the end of 1989 to three persons-at-work labor force series which tested as having significant and well-defined effects in their April data associated with the timing of Easter.

At the beginning of each calendar year, projected seasonal adjustment factors are calculated for use during the January-June period. In July of each year, BLS calculates and publishes in *Employment and Earnings* projected seasonal adjustment factors for use in the second half, based on the experience through June. Revisions of historical data, usually for the most recent 5 years, are made only at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970. In 1994, data were revised only for that year because of the major redesign and

1990 census-based population controls, adjusted for the estimated undercount, introduced into the Current Population Survey. In 1996, 1990-93 data also were revised to incorporate these 1990 census-based population controls and seasonally adjusted series were revised back to 1990.

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

In each January issue (March issue in 1996), *Employment and Earnings* publishes revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate the civilian unemployment estimate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure.

## Establishment data

Beginning in June 1996, with the release of the March 1995 benchmark revisions, BLS utilizes X-12 ARIMA software developed by the Bureau of the Census to seasonally adjust national establishment-based employment, hours, and earnings series. The X-12 ARIMA replaces the X-11 ARIMA, which had been used to adjust these series since the early 1980's. All national establishment-based series were revised back to 1988.

The conversion to X-12 ARIMA allows BLS to refine its seasonal adjustment procedures to control for survey interval variations, sometime referred to as the 4-vs. 5-week effect. While the CES survey is referenced to a consistent concept, the pay period including the 12th day of the month, inconsistencies arise because there are variations of 4 or 5 weeks between the week of the 12th in any given pair of months. In highly seasonal months and industries, this variation can be an important determinant of the magnitude of seasonal hires or layoffs that have occurred at the time the

survey is taken, thereby complicating seasonal adjustment. The interval effect adjustment is accomplished through the REGARIMA (regression with auto-correlated errors) option in the X-12 software. This process combines standard regression analysis, which measures correlations between two or more variables, with ARIMA modeling, which describes and predicts the behavior of a data series based on its own past history. In this application, the correlations of interest are those between employment levels in individual calendar months and the length of the survey intervals for those months. The REGARIMA models estimate and remove the variation in employment levels attributable to 11 separate survey intervals, one specified for each month, except March. March is excluded because there are always 4 weeks between the February and March surveys.

Projected seasonal factors for the establishment-based series are calculated and published twice a year, paralleling the procedure used for the household series. Revisions to historical data are made once a year, coincident with benchmark revisions. All series are seasonally adjusted using multiplicative models in X-12; additive models are not considered. Seasonal adjustment factors are computed and applied at component levels. For employment series, these are generally the 2-digit SIC levels. Seasonally adjusted totals are arithmetic aggregations for employment series and weighted averages of the seasonally adjusted data for hours and earnings series.

Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1982 annual average base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1982 annual average base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These failed or unsatisfactory seasonally adjusted series, however, are used in the aggregation to broader level seasonally adjusted series.

Seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census workers for the decennial census, however, are removed prior to the calcu-

lation of seasonal adjustment factors.

BLS also makes special adjustments for floating holidays for the establishment-based series on average weekly hours and manufacturing overtime hours. From 1988 forward, these adjustments are now accomplished as part of the X-12 ARIMA/REGARIMA modeling process rather than through the previously used moving-holiday extension of X-11 ARIMA. The special adjustment made in November each year to adjust for the effect of poll workers in the local government employment series also is incorporated into the X-12 process from 1988 forward; this replaces the X-11 ARIMA-based procedure previously used to account for this effect.

Revised seasonally adjusted national establishment-based series based on the experience through March 1995, new seasonal adjustment factors for March-October 1996, and a description of the current seasonal adjustment procedure appear in the June 1996 issue of *Employment and Earnings*. Revised factors for the September 1996-April 1997 period will appear in the December issue.

Beginning in 1993, BLS introduced publication of seasonally adjusted nonfarm payroll employment data by major industry for all States and the District of Columbia (table B-7). Seasonal adjustment factors are applied directly to the employment estimates at the division level (component series for manufacturing and trade) and then aggregated to the State totals. The recomputation of seasonal factors and historical revisions are made coincident with the annual benchmark adjustments. State estimation procedures are designed to produce accurate (unadjusted and seasonally adjusted) data for each individual State. BLS independently develops a national employment series; State estimates are not forced to sum to national totals. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause significant distortions at an aggregate level. Due to these statistical limitations, BLS does not compile a "sum-of-States" employment series, and cautions users that such a series is subject to a relatively large and volatile error structure.

### Region and State labor force data

Beginning in 1992, BLS introduced publication of seasonally adjusted labor force data for the census regions and divisions, the 50 States, and the District of Columbia (tables C-1 and C-2). Using the X-11 ARIMA procedure, seasonal adjustment factors are computed and applied independently to the component employment and unemployment levels and then aggregated to regional or State totals. Current seasonal adjustment factors are produced for 6-month periods twice a year. Historical revisions usually are made at the beginning of each calendar year. Because of the separate processing procedures, totals for the Nation, as a whole, differ from the results obtained by aggregating regional or State data.



## U.S. DEPARTMENT OF LABOR

Robert B. Reich, *Secretary*

### BUREAU OF LABOR STATISTICS

Katharine G. Abraham, *Commissioner*

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## Calendar of Features

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

### Household data

Annual averages	Jan.
Union affiliation	Jan
Earnings by detailed occupation	Jan.
Employee absences	Jan.
Revised seasonally adjusted series	Jan.
Quarterly averages: Seasonally adjusted data, persons of Hispanic origin, Vietnam-era veterans and nonveterans, and weekly earnings data	Jan., Apr., July, Oct.

### Establishment data

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Industry divisions (preliminary)	Jan
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Revised historical national data	Bulletin <sup>1</sup>
State and area annual revisions	March
State and area annual averages	May
Area definitions	May

### State and area labor force data

Annual revisions	March
Annual averages	May

<sup>1</sup> A new bulletin is forthcoming

# Employment and Earnings

Editors: Gloria Peterson Green, Eugene H. Becker

## Editors' Note

Beginning with this issue, national estimates of employment, hours, and earnings from the monthly survey of business establishments have been revised to reflect March 1995 benchmarks (comprehensive counts of employment), new seasonal adjustment procedures, and updated seasonal adjustment factors. Unadjusted data from April 1994 forward and seasonally adjusted data from January 1988 forward have been revised.

The article beginning on page 3 discusses the effects of the revisions and provides new seasonal adjustment factors to be used to calculate establishment-based estimates for March-October 1996. Revised current data appear in the "B" tables. Historical data for all national establishment data series will be published in a forthcoming BLS bulletin.

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<sup>1</sup> All tables containing not seasonally adjusted national establishment data.

<sup>2</sup> Table B-1 through B-6 and B-8 through B-11.

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# Employment and Unemployment Developments, May 1996

Employment increased in May, and the unemployment rate returned to its March level of 5.6 percent. The jobless rate was 5.4 percent in April. Nonfarm payroll employment, as measured by the survey of employers, rose by 348,000, with increases spread across a broad range of industries. Total employment, as measured by the household survey, also rose in May.

## Unemployment

The unemployment rate, at 5.6 percent in May, has remained within a narrow range (5.4 to 5.8 percent) since late 1994. Among the major worker groups, the jobless rate for adult women increased by 0.3 percentage point to 5.0 percent, while the rates for adult men (4.8 percent), teenagers (16.4 percent), whites (4.9 percent), blacks (10.2 percent), and Hispanics (9.2 percent) showed little or no change in May. The number of unemployed persons was 7.4 million. (See tables A-3 and A-4.)

## Total employment and the labor force

Total employment rose by 367,000 to 126.5 million in May. Employment has increased by 1.5 million since December, after showing little growth through most of 1995. The employment-population ratio—the proportion of the population age 16 years and older with jobs—edged up to 63.1 percent in May. At 4.3 million, about a quarter of a million fewer persons worked part time for economic reasons in May than in April. These are persons who would have preferred to work full time. (See tables A-3 and A-6.)

The number of persons who held more than one job totaled 7.8 million (not seasonally adjusted) in May. These multiple jobholders made up 6.2 percent of all employed persons. (See table A-35.)

The civilian labor force rose by 550,000 in May to a seasonally adjusted level of 133.9 million. As a result, the labor force participation rate rose 0.3 percentage point to 66.9 percent. After having been little changed for most of 1995, the civilian labor force has increased by about 1.6 million since December. (See table A-3.)

## Persons not in the labor force

About 1.5 million persons (not seasonally adjusted) were marginally attached to the labor force in May—that is, they wanted and were available for work but had stopped look-

ing for jobs sometime in the prior 12 months. The number of discouraged workers—persons who had stopped looking for work specifically because they believed there were no jobs available for them—totaled 352,000 in May. (See table A-34.)

## Industry payroll employment

Nonfarm payroll employment rose by 348,000 in May to 119.2 million, after seasonal adjustment. Employment growth had averaged 191,000 per month from December through April. (See table B-3.)

Employment in the services industry expanded by 181,000 in May, after a smaller-than-usual gain in April. Increases occurred in nearly all components of the industry. Growth was particularly strong in business services (67,000), where help supply services alone added 48,000 workers. In addition, computer and data processing services continued its upward trend, with an increase of 15,000 jobs. Engineering and management services, an industry closely related to business services, also added 22,000 jobs. Health services employment rose by 39,000, as gains were spread among medical offices, hospitals, and nursing and personal care facilities.

Following a strong gain in April, retail trade employment was up by 46,000 in May. Most of the increase was in department stores, where little growth had occurred during the prior year. Employment in food stores had been flat through April of this year, but rose by 10,000 in May. By contrast, after showing strength in April, seasonal hiring in eating and drinking places was slightly less than usual for the month, resulting in a small decline, after seasonal adjustment.

Finance, insurance, and real estate employment was up by 20,000 in May, as job growth occurred in each component. Continued strength in mortgage brokerages and real estate reflected improvements in the housing market.

Transportation employment, which had been flat in April, rose by 18,000 in May. Increases were concentrated in local transit and in trucking and warehousing. Employment in communications continued its upward trend in May, adding 3,000 jobs, while employment in public utilities continued its slow and steady decline.

Government employment increased by 43,000 in May. Most of the growth was in the noneducation component of local government and partly reflected hiring of temporary workers for primary elections. State government employment

In the goods-producing sector, construction employment rose by 28,000 in May—about the average monthly increase since October of last year. All of the May growth in construction occurred among special trade contractors. Manufacturing employment held steady over the month, after having declined by 282,000 from its most recent peak in March 1995. Within manufacturing, motor vehicles and equipment added 10,000 jobs in May; there were small gains in a number of other industries as well. Employment continued to decline, however, in several other manufacturing industries, including apparel, printing and publishing, and food processing.

### Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls held at 34.3 hours in May, after seasonal adjustment. The factory workweek, at

41.7 hours, was up by 0.2 hour in May and was the longest since March 1995. Factory overtime was unchanged at 4.6 hours. (See table B-8.)

The index of aggregate weekly hours of private production or nonsupervisory workers on nonfarm payrolls rose 0.1 percent in May to 135.4 (1982=100), after seasonal adjustment. The manufacturing index increased by 0.5 percent to 106.2. (See table B-9.)

### Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers on nonfarm payrolls rose 3 cents in May, after seasonal adjustment, to \$11.75. Average weekly earnings were up \$1.03 to \$403.03. Over the year, average hourly earnings increased by 3.4 percent and average weekly earnings by 3.7 percent. (See table B-11.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
June	July 5	September	October 4
July	August 2	October	November 1
August	September 6	November	December 6

# BLS Establishment Estimates Revised to Incorporate March 1995 Benchmarks

Patricia M. Getz

With the release of data for May 1996, the Bureau of Labor Statistics introduced its annual revision of national estimates of employment, hours, and earnings from the Current Employment Statistics (CES) monthly survey of nonfarm establishments. Each year, the CES survey realigns its sample-based estimates to reflect more currently available universe counts of employment, a process known as benchmarking. Comprehensive counts of employment, or benchmarks, are derived primarily from employment data reported on unemployment insurance (UI) tax reports that nearly all employers are required to file with State employment security agencies.

The incorporation of the March 1995 benchmarks has revised all unadjusted data for the entire period subsequent to the March 1994 benchmark, that is, April 1994 forward. Although usual practice is to revise 5 years of historical seasonally adjusted data with benchmark updates, additional years have been included in this release to allow fuller incorporation of an improved seasonal adjustment methodology. The new seasonal adjustment procedures control for the effect of varying survey intervals (also known as the 4-versus 5-week effect), thereby providing improved measurement of over-the-month changes and underlying economic trends.

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## Summary of the revisions

The March 1995 benchmark level for total nonfarm employment is 115,849,000; this figure is 542,000 or 0.5 percent above the previously published sample-based estimate, marking the second year of substantial upward revision; the March 1994 revision was 0.7 percent. (table 1). As was the case with the 1994 benchmark, a disproportionately large part of the 1995 revision is attributable to the small portion of the nonfarm employment population not covered by the UI universe counts. Although this segment of the population accounts for only about 2.5 percent of the employment total, it contributed over one-fourth of the total benchmark revision, a result of sizable increases in the source data for many of the industry components.

Table 2 summarizes the March 1995 revisions (not seasonally adjusted) by industry. An upward revision of 561,000 (0.6 percent) in the service-producing sector was slightly offset by a downward revision of 19,000 (-0.1 percent) in the goods-producing sector. The downward adjustment within the goods-producing sector came from construction which was revised downward by 75,000 (-1.6 percent). There was an upward revision to manufacturing of 55,000 (0.3 percent), while mining required an adjustment of 1,000 (0.2 percent).

Within manufacturing, durable goods had an upward revision of 53,000 (0.5 percent), attributable mainly to transportation equipment, which was adjusted upward by 39,000 and industrial machinery and equipment, which was revised upward by 15,000. Owing to offsetting revisions in several

**Table 1. Percent differences between nonfarm employment benchmarks and estimates by industry division, March 1988-95<sup>1</sup>**

Industry	1988	1989	1990	1991	1992	1993	1994	1995
Total .....	-0.3	( <sup>2</sup> )	-0.2	-0.6	-0.1	0.2	0.7	0.5
Mining .....	-1.7	-3.7	-3.3	-6	-8	2.2	-7	.2
Construction .....	-2.2	-1.5	-8	-2	-2.6	1.6	1.9	-1.6
Manufacturing .....	-7	-1.0	.3	.1	-8	1.1	1.3	.3
Transportation and public utilities .....	-7	-1.7	-3	-1.0	-6	1.0	2.2	-7
Wholesale trade .....	-1.5	.8	-2.6	-2	.7	-2.6	1.2	1.2
Retail trade .....	-3	.5	-3	-3	.9	-2	1.3	1.6
Finance, insurance, and real estate .....	-1	-1.1	-1.4	-4	-1.5	1.5	2.1	-1.8
Services .....	.5	.8	.3	-1.6	.2	.1	-8	.9
Government .....	-1	.3	.2	-3	.4	-1	.4	.2

<sup>1</sup> Differences are based on comparisons of final, published March estimates and benchmark levels, as originally published.

<sup>2</sup> Less than 0.05 percent.

**Table 2. Differences between nonfarm employment benchmarks and estimates by industry, March 1995**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Amount	Percent
Total .....	115,849	115,307	542	0.5
Total private .....	96,175	95,664	511	.5
Goods-producing .....	23,784	23,803	-19	-.1
Mining .....	576	575	1	.2
Metal mining .....	50	50	0	0
Coal mining .....	107	109	-2	-1.9
Oil and gas extraction .....	318	315	3	.9
Nonmetallic minerals, except fuels .....	102	101	1	1.0
Construction .....	4,748	4,823	-75	-1.6
General building contractors .....	1,138	1,178	-40	-3.5
Heavy construction, except building .....	661	651	10	1.5
Special trade contractors .....	2,948	2,994	-46	-1.6
Manufacturing .....	18,460	18,405	55	.3
Durable goods .....	10,644	10,591	53	.5
Lumber and wood products .....	758	752	6	.8
Furniture and fixtures .....	516	507	9	1.7
Stone, clay, and glass products .....	529	532	-3	-.6
Primary metal industries .....	712	716	-4	-.6
Blast furnaces and basic steel products .....	240	239	1	.4
Fabricated metal products .....	1,436	1,433	3	.2
Industrial machinery and equipment .....	2,049	2,034	15	.7
Computer and office equipment .....	347	336	11	3.2
Electronic and other electrical equipment .....	1,610	1,611	-1	-.1
Electronic components and accessories .....	567	567	0	0
Transportation equipment .....	1,806	1,767	39	2.2
Motor vehicles and equipment .....	970	936	34	3.5
Aircraft and parts .....	461	455	6	1.3
Instruments and related products .....	840	847	-7	-.8
Miscellaneous manufacturing .....	389	393	-4	-1.0
Nondurable goods .....	7,816	7,814	2	( <sup>1</sup> )
Food and kindred products .....	1,634	1,639	-5	-.3
Tobacco products .....	40	38	2	5.0
Textile mill products .....	677	667	10	1.5
Apparel and other textile products .....	956	941	15	1.6
Paper and allied products .....	691	687	4	.6
Printing and publishing .....	1,546	1,560	-14	-.9
Chemicals and allied products .....	1,037	1,048	-11	-1.1
Petroleum and coal products .....	145	144	1	.7
Rubber and miscellaneous plastics products .....	982	979	3	.3
Leather and leather products .....	108	111	-3	-2.8
Service-producing industries .....	92,065	91,504	561	.6
Transportation and public utilities .....	6,066	6,109	-43	-.7
Transportation .....	3,844	3,862	-18	-.5
Railroad transportation .....	238	238	0	0
Local and interurban passenger transit .....	427	447	-20	-4.7
Trucking and warehousing .....	1,814	1,826	-12	-.7
Water transportation .....	170	159	11	6.5
Transportation by air .....	772	755	17	2.2
Pipelines, except natural gas .....	15	17	-2	-13.3
Transportation services .....	408	420	-12	-2.9
Communications and public utilities .....	2,222	2,247	-25	-1.1
Communications .....	1,311	1,343	-32	-2.4
Electric, gas, and sanitary services .....	910	905	5	.5
Wholesale trade .....	6,316	6,243	73	1.2
Durable goods .....	3,683	3,628	55	1.5
Nondurable goods .....	2,633	2,615	18	.7

See footnotes at end of table.

**Table 2. Differences between nonfarm employment benchmarks and estimates by industry, March 1995—Continued**

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Amount	Percent
Retail trade .....	20,627	20,300	327	1.6
Building materials and garden supplies .....	836	819	17	2.0
General merchandise stores .....	2,543	2,423	120	4.7
Department stores .....	2,224	2,114	110	4.9
Food stores .....	3,296	3,289	7	.2
Automotive dealers and service stations .....	2,158	2,178	-20	-.9
New and used car dealers .....	987	993	-6	-.6
Apparel and accessory stores .....	1,107	1,075	32	2.9
Furniture and home furnishings stores .....	932	935	-3	-.3
Eating and drinking places .....	7,166	7,033	133	1.9
Miscellaneous retail establishments .....	2,590	2,549	41	1.6
Finance, insurance, and real estate .....	6,770	6,890	-120	-1.8
Finance .....	3,225	3,304	-79	-2.4
Depository institutions .....	2,027	2,058	-31	-1.5
Commercial banks .....	1,466	1,491	-25	-1.7
Savings institutions .....	280	289	-9	-3.2
Nondepository institutions .....	453	478	-25	-5.5
Mortgage bankers and brokers .....	199	224	-25	-12.6
Security and commodity brokers .....	521	529	-8	-1.5
Holding and other investment offices .....	224	240	-16	-7.1
Insurance .....	2,232	2,237	-5	-.2
Insurance carriers .....	1,540	1,536	4	.3
Insurance agents, brokers, and service .....	692	701	-9	-1.3
Real estate .....	1,313	1,349	-36	-2.7
Services <sup>1</sup> .....	32,612	32,319	293	.9
Agricultural services .....	518	522	-4	-.8
Hotels and other lodging places .....	1,595	1,553	42	2.6
Personal services .....	1,223	1,219	4	.3
Business services .....	6,579	6,445	134	2.0
Services to buildings .....	872	863	9	1.0
Personnel supply services .....	2,361	2,303	58	2.5
Help supply services .....	2,087	2,038	49	2.3
Computer and data processing services .....	1,049	1,021	28	2.7
Auto repair, services, and parking .....	1,005	1,012	-7	-.7
Miscellaneous repair services .....	354	340	14	4.0
Motion pictures .....	480	576	-96	-20.0
Amusement and recreation services .....	1,299	1,331	-32	-2.5
Health services .....	9,151	9,179	-28	-.3
Offices and clinics of medical doctors .....	1,585	1,571	14	.9
Nursing and personal care facilities .....	1,675	1,676	-1	-.1
Hospitals .....	3,761	3,798	-37	-1.0
Home health care services .....	609	596	13	2.1
Legal services .....	919	928	-9	-1.0
Educational services .....	2,070	1,980	90	4.3
Social services .....	2,329	2,268	61	2.6
Child day care services .....	576	534	42	7.3
Residential care .....	633	628	5	.8
Museums and botanical and zoological gardens .....	74	76	-2	-2.7
Membership organizations .....	2,119	2,047	72	3.4
Engineering and management services .....	2,708	2,671	37	1.4
Engineering and architectural services .....	798	787	11	1.4
Management and public relations .....	779	770	9	1.2
Services, nec .....	43	41	2	4.7
Government .....	19,674	19,643	31	.2
Federal .....	2,822	2,822	0	0
Federal, except Postal Service .....	1,988	1,988	0	0
State .....	4,777	4,736	41	.9
Education .....	2,067	2,045	22	1.1
Other State government .....	2,710	2,690	20	.7
Local .....	12,075	12,085	-10	-.1
Education .....	6,941	6,975	-34	-.5
Other local government .....	5,133	5,109	24	.5

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

<sup>2</sup> Includes other industries, not shown separately.

2-digit SIC level industries, the net benchmark revision for nondurable goods was only 2,000. Textile mill products and apparel and other textiles were revised upward by 10,000 and 15,000, respectively, while printing and publishing was revised downward by 14,000 and chemicals and allied products was revised downward by 11,000.

Within the service-producing sector, there were substantial upward corrections in the two largest divisions; retail trade was revised upward by 327,000 or 1.6 percent, and services by 293,000 or 0.9 percent. Within retail trade, benchmark revisions were the largest in general merchandise stores, up by 120,000, and eating and drinking places, up by 133,000. Within the services division, there was a substantial upward adjustment of 134,000 in business services, as well as large revisions of 90,000 in education services and 72,000 in membership organizations. These upward adjustments were offset in part by a large downward adjustment of 96,000 in motion pictures. The revisions to educational services and membership organizations are in large part attributable to difficulties in estimating the non-UI covered part of the payroll employment. Among the other service-producing industries, government had a small upward correction of 31,000 (0.2 percent) while transportation and public utilities was revised down 43,000 (0.7 percent) and finance, insurance and real estate required a substantial downward adjustment of 120,000 (1.8 percent).

New estimates have been computed for each month since March 1995, based on the new benchmark levels. On a seasonally adjusted basis, the revision in total nonfarm employment stands at 737,000 in February 1996, reflecting the adjustment to new benchmark levels and the recomputation of bias and seasonal adjustment factors. Table 3 illustrates the extent of the revisions in both level and change, through a comparison of seasonally adjusted monthly data as previously published and as revised. Average monthly bias adjustment levels for the April 1995 to March 1996 time period were revised, from an average of 110,000 per month to an average of 130,000 per month. This upward revision to the bias adjustment factors reflects evidence that the original estimates were understating employment growth when compared to the most recent UI universe counts. Incorporation of a new, more refined seasonal adjustment method has also resulted in slightly larger revisions to over-the-month changes than usually result from the annual seasonal adjustment recomputation associated with each benchmark revision. Revisions to over-the-month change range from -122,000 in February 1996 to 152,000 in April 1995.

### **Why benchmarks differ from estimates**

A benchmark revision is the difference between the benchmark level for a given March and its corresponding sample-based estimate. The overall accuracy of the establishment survey is generally gauged by the size of this difference. The benchmark revision is often regarded as a proxy for total survey error, but this does not take into account error in the universe data. The employment counts obtained from

quarterly unemployment insurance tax forms are administrative data that reflect employer recordkeeping practices and differing State laws and procedures. The benchmark revision can be more precisely interpreted as the difference between two independently derived employment counts, each subject to its own error sources.

Like any sample survey, the establishment survey is susceptible to two sources of error: sampling error and nonsampling error. Sampling error is present anytime a sample is used to make inferences about a population. The magnitude of the sampling error, or variance, relates directly to sample size and the percentage of the universe covered by that sample. The CES monthly survey captures slightly over one-third of the universe—exceptionally high by usual sampling standards. This coverage implies a very small sampling error at the total nonfarm employment level.

Both the universe counts and the establishment survey estimates are subject to nonsampling errors common to all surveys—coverage, response, and processing errors. The error structures for both the CES monthly survey and the UI universe are complex. Still, the two programs generally produce fairly consistent total employment figures, each validating the other. Over the prior decade, up to the present benchmark, annual benchmark revisions at the total nonfarm level have averaged 335,000 (0.3 percent), with an absolute range from 47,000 to 747,000.

*Improvements in controlling benchmark revision sources.* BLS is currently engaged in research and development work designed to control major sources of benchmark revisions. In June 1995 the Bureau announced completion of initial research into current sample design limitations and plans for an additional 2-year research phase, to be followed by implementation of a probability-based sample design for the payroll survey.

Currently, the payroll survey relies on a quota sample; its inception over 50 years ago predates the introduction of probability sampling as the internationally recognized standard for sample surveys. Quota samples are known to be at risk for potentially significant biases, and research completed at BLS on the 1993 and 1994 benchmark revision sources suggests that the payroll estimates diverged substantially from what a more representative sample would have been expected to produce. Introducing a probability-based sample design will more effectively insure a proper representation of the universe of nonfarm business establishments, through randomized selection techniques and the regular rotation of sample members. The sample redesign will also address the current limitations in the payroll survey with regard to lack of a sample-based measurement for new business births. Historically, this was seen as a major benchmark revision source, as well as an almost intractable problem. Earlier studies indicated that there were often substantial and unpredictable lags between a firm opening for business and its inclusion in the State UI files which serve as the payroll survey's sampling frame as well as its benchmark source.



More recent reviews indicate that improvements in information sources will make it possible to gain early access to new UI account information, thereby forming the basis for a current birth unit sample frame, and resulting in better measurement of employment change stemming from new businesses.

*Non-UI covered employment.* The Bureau also has conducted analysis of error sources for the large benchmark revisions in the non-UI covered portion of the employment series over the past 2 years. It is researching methods to resolve this issue within the framework of the overall CES sample redesign.

There have been problems with large benchmark revisions in many of the series with large non-UI covered components. They arise from the fact that the alternate benchmark source data used for these series are 1 to 2 years out of date when compared with the benchmark reference point of the Covered Employment and Wages (ES-202) program. These non-UI benchmark counts are extrapolated forward using trends computed from the UI-covered portion of the industry. This extrapolation process, however, has not worked well in recent years, leading to larger benchmark revisions. BLS recently completed research into performing the extrapolation with various time series modeling techniques, including ARIMA and regression models, as a substitute for the ES-202 based extrapolators, and found some improvements in results. However, other issues with using alternative benchmark source data remain. Estimates from time series models are potentially subject to large errors at economic turning points. In addition, issues of data validation and general comparability with UI data trends can often be difficult to resolve.

Because of these issues, BLS is also evaluating the option of eliminating non-UI benchmark source data altogether, and relying on a redesigned CES sample to produce reliable estimates for the non-UI covered portion of the population. The UI-covered portion of the population for the affected series would continue to be benchmarked to the ES-202 universe counts. This option may become feasible when the CES sample redesign takes effect and non-UI covered estimates with a measurable reliability are available.

#### **Effect of benchmark revisions on other series**

The routine benchmarking process also results in revisions in the series on women workers and production or nonsupervisory workers. Although there are no benchmark employment levels for these series, they are revised by preserving ratios of employment for the particular series to all employees prior to benchmarking, and then applying these ratios to the revised all-employee figures. These figures are calculated at the basic cell level and then aggregated to produce the summary estimates.

Average weekly hours and average hourly earnings are not benchmarked; they are estimated directly from reported

figures at the estimating cell level. However, the broader industry groups of the 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 for broader industry groupings. Adjustments of the all-employee estimates to new benchmarks may alter the weights, which, in turn, may change the estimates for hours and earnings of production or nonsupervisory workers at higher levels of aggregation.

Generally, new employment benchmarks have little effect on hours and earnings estimates for major groupings. To influence the hours and earnings estimates of a broader group, employment revisions have to be relatively large and must affect industries which have substantially different hours or earnings averages than other industries in their group. Occasionally, corrections of errors in the reported payroll data for individual establishments may also change the averages of selected industries. Table 4 gives detailed information on revisions to specific hours and earnings series resulting from the March 1995 benchmark. At the total private level, average weekly hours were revised downward by 0.1 hour and average hourly earnings were revised downward by 2 cents.

#### **Methods**

*Benchmark adjustment procedure.* Establishment survey benchmarking is done on an annual basis to a population derived primarily from the administrative file of employees covered by unemployment insurance (UI). The time required to complete the revision process—from the full collection of the UI population data to publication of the revised industry estimates—is about 15 months. The benchmark adjustment procedure replaces the March sample-based employment estimates with UI-based population counts for March. The benchmark therefore determines the final employment levels, while sample movements capture month-to-month trends.

Benchmarks are established for each of the 1,703 industry-size-class basic estimation cells and are aggregated to develop published levels. On a not seasonally adjusted basis, the sample-based estimates for the year preceding and the year following the benchmark also are then subject to revision.

Employment estimates for the months between the most recent March benchmark and the previous year's benchmark are adjusted using a "wedge back" procedure. In this process, the difference between the benchmark level and the previously published March estimate for each estimating cell is computed. This difference, or error, is linearly distributed across the 11 months of estimates subsequent to the previous benchmark; eleven-twelfths of the March difference is added to February estimates, ten-twelfths to January estimates, and so on, ending with the previous April estimates,

**Table 3. Differences in seasonally adjusted levels and over-the-month changes, total nonfarm employment, January 1995-February 1996**  
(In thousands)

Year and date	Levels			Over-the-month changes		
	As previously published	As revised	Difference	As previously published	As revised	Difference
<b>1995:</b>						
January .....	115,810	116,250	440	186	337	151
February .....	116,123	116,502	379	313	252	-61
March .....	116,302	116,701	399	179	199	20
April .....	116,310	116,861	551	8	160	152
May .....	116,248	116,907	659	-62	46	108
June .....	116,547	117,100	553	299	193	-106
July .....	116,575	117,201	626	28	101	73
August .....	116,838	117,499	661	263	298	35
September .....	116,932	117,623	691	94	124	30
October .....	117,000	117,749	749	68	126	58
November .....	117,212	117,899	687	212	150	-62
December .....	117,357	118,136	779	145	237	92
<b>1996:</b>						
January .....	117,211	118,070	859	-146	-66	80
February .....	117,842	118,579	737	631	509	-122

**Table 4. Effect of March 1995 benchmark revisions on hours and earnings estimates, selected industries**

Industry	Average weekly hours			Average hourly earnings		
	Previous estimate	Revised estimate	Difference	Previous estimate	Revised estimate	Difference
Total private .....	34.4	34.2	-0.1	\$11.36	\$11.34	-\$0.02
Good-producing .....	41.0	41.0	0	12.86	12.87	.01
Mining .....	44.0	43.9	-.1	15.24	15.22	-.02
Construction .....	38.1	38.2	.1	14.84	14.88	.04
Manufacturing .....	41.7	41.7	0	12.25	12.27	.02
Durable goods .....	42.6	42.6	0	12.83	12.86	.03
Lumber and wood products .....	40.4	40.4	0	9.95	9.94	-.01
Furniture and fixtures .....	39.4	39.4	0	9.67	9.68	.01
Stone, clay, and glass products .....	42.5	42.6	.1	12.25	12.26	.01
Primary metal industries .....	44.4	44.5	.1	14.41	14.45	.04
Fabricated metal products .....	42.5	42.5	0	12.05	12.05	0
Industrial machinery and equipment .....	43.9	43.9	0	13.15	13.17	.02
Electronic and other electrical equipment .....	41.5	41.6	.1	11.54	11.54	0
Transportation equipment .....	44.5	44.6	.1	16.66	16.75	.09
Instruments and related products .....	41.7	41.7	0	12.63	12.62	-.01
Miscellaneous manufacturing .....	39.9	40.0	.1	9.90	9.94	.04
Nondurable goods .....	40.5	40.5	0	11.45	11.44	-.01
Food and kindred products .....	40.6	40.6	0	10.87	10.87	0
Tobacco products .....	38.1	38.1	0	20.44	20.30	-.14
Textile mill products .....	41.2	41.2	0	9.30	9.29	-.01
Apparel and other textile products .....	37.3	37.3	0	7.51	7.53	.02
Paper and allied products .....	43.1	43.1	0	14.03	14.02	-.01
Printing and publishing .....	38.4	38.4	0	12.26	12.27	.01
Chemicals and allied products .....	43.3	43.3	0	15.43	15.39	-.04
Petroleum and coal products .....	43.4	43.3	-.1	19.38	19.37	-.01
Rubber and miscellaneous plastics products .....	41.8	41.8	0	10.80	10.79	-.01
Leather and leather products .....	38.1	38.1	0	8.13	8.10	-.03
Service-producing .....	32.4	32.4	0	10.84	10.82	-.02
Transportation and public utilities .....	39.1	39.1	0	14.06	14.06	0
Wholesale trade .....	38.0	38.1	.1	12.25	12.27	.02
Retail trade .....	28.3	28.3	0	7.63	7.63	0
Finance, insurance, and real estate .....	35.5	35.5	0	12.21	12.21	0
Services .....	32.2	32.2	0	11.36	11.32	-.04

which receive one-twelfth of the March difference. The wedge procedure assumes that the total estimation error accumulated at a steady rate since the last benchmark.

Estimates for the months following the March benchmark are recalculated by applying previously derived over-the-month sample changes to the revised March level. New bias adjustment factors, which incorporate the most recent benchmark experience, also are calculated and applied during post-benchmark estimation.

**Benchmark source material.** The principal source of benchmark data for private industries is the "ES-202 report," which contains employment data reported to State employment security agencies by employers covered by State UI laws. The ES-202 is supplemented by universe counts for Federal employees derived from official summaries prepared by the U.S. Office of Personnel Management (OPM) for the executive, legislative, and judicial branches. These summaries are complete counts of Federal workers and are usually not subject to revision.<sup>1</sup> The official OPM summaries do not provide industry detail for Federal employment, such as hospitals, on a current monthly basis. BLS estimates these from a sample of Federal establishments.

BLS uses several other sources to establish benchmarks for the remaining industries partially covered or exempt from mandatory UI coverage, accounting for nearly 2.5 percent of the nonfarm employment total. Data on employees covered under Social Security laws, published by the Bureau of the Census in *County Business Patterns*, are used to augment UI data for nonoffice insurance sales workers, child daycare workers, religious organizations, and private schools and hospitals. Benchmarks for State and local government hospitals and educational institutions are based on the Annual Census of Governments conducted by the Bureau of the Census. Benchmark data from these sources are available only on a 1- or 2-year lagged basis; extrapolation to a current level is accomplished by assuming and applying the employment trends from the UI-covered part of the population in these industries to the non-covered part. Universe data for interstate railroads are obtained from the Interstate Commerce Commission.

**Bias adjustment.** Bias adjustment factors are computed for each 3-digit SIC level, but are applied at the basic cell level, as part of the standard monthly estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey—the inability to capture, on a timely basis, employment generated by new business formations. There is a lag between an establishment opening for business and its appearance on the UI universe frame to be available for sampling. Because new firms gen-

erate a substantial amount of employment growth during any given year, nonsampling methods are presently used to estimate this growth; otherwise substantial underestimation of total employment levels would occur. Formal bias adjustment procedures have been used in the CES program since the late 1960s. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming post-benchmark year.

This procedure eventually proved inadequate during periods of rapidly changing employment trends, and the bias adjustment methods were revised. Research done in the early 1980s indicated that bias requirements were strongly correlated with current employment growth or decline. Based on this finding, a revised method was developed. It incorporated data on employment growth over the most recent two quarters, and a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This methodological enhancement made the model more sensitive to cyclical changes. BLS has used the regression-adjusted mean error model since 1983 for the production of national estimates.

Although an important function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other types of nonsampling error in the survey. Because the primary input to the modeling procedure is the total estimation error, the monthly bias adjustment levels have no specific economic meaning in and of themselves but represent a correction process for a complex joint error structure of sample and universe data.

Text table A summarizes the above discussion. It shows the March benchmarks and revisions for total private employment from 1985 through 1995. The table also shows the average monthly "bias added" and "bias required." Bias added is the average amount of bias which is added each month over the course of an interbenchmark period. For example, the bias added for 1995 was 144,000; this represents the average bias adjustment made each month over the period April 1994 through March 1995. Bias required is computed retrospectively, after the March benchmark for a given year is determined. Total bias required is the difference between a March estimate derived purely from the CES sample (i.e., a series calculated without any bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required thus equals the amount of monthly bias adjustment needed to achieve a zero benchmark error. For a given year, the difference between the total bias required and total bias added is approximately the benchmark revision amount. Also included in the table, for comparison, is the March-to-March change. The over-the-year change shows some correlation with the bias added and bias required figures.

The current bias estimation model still has limitations in its ability to react to changing economic conditions or changing error structure relationships between the sample-based

<sup>1</sup> Employees of the Central Intelligence Agency, the National Security Agency, and those of the Department of Defense paid from nonappropriated funds are not included in the OPM summaries of these series and are therefore not counted.

**Text table A. March employment benchmarks and bias adjustments for total private industries, March 1985-95**

(In thousands)

Year	Benchmark		Average monthly bias		Over-the-year employment change <sup>5</sup>
	Employment <sup>1</sup>	Revision <sup>2</sup>	Added <sup>3</sup>	Required <sup>4</sup>	
1985 .....	79,446	-131	152	141	3,075
1986 .....	81,204	-400	149	116	1,758
1987 .....	83,173	21	98	99	1,969
1988 .....	86,180	-310	114	88	3,007
1989 .....	89,015	-93	131	123	2,835
1990 .....	90,546	-261	85	63	1,531
1991 .....	88,790	-583	61	12	1,756
1992 .....	88,347	-130	33	22	-443
1993 .....	89,790	288	83	107	1,443
1994 .....	92,730	688	115	171	2,940
1995 .....	96,175	511	144	187	3,445

<sup>1</sup> Universe counts for March of each year are used to make annual benchmark adjustments to the employment estimates. About 98 percent of the benchmark employment is from unemployment insurance administrative records, and the remaining 2 percent is from alternate sources. Data represent benchmark levels as originally computed.

<sup>2</sup> Difference between the final March sample-based estimate and the benchmark level for total private employment.

<sup>3</sup> The average amount of bias adjustment each month over the course of an inter-benchmark period, i.e., from April of the prior year through March of the given year.

<sup>4</sup> The difference between the March benchmark and the March estimate derived solely from the sample without bias adjustment, converted to a monthly amount by dividing by 12.

<sup>5</sup> March-to-March changes in the benchmark employment level.

NOTE: Data in this table exclude government employment because there is no bias adjustment for this sector.

estimates and the UI universe tabulations. A principal disadvantage is the model's inability to incorporate UI counts as they become available on an ongoing basis, with their 6- to 9-month lags from the reference period. The quarterly bias factors currently produced by the model are therefore subject to intervention analysis, and adjustments can be made to its results prior to the establishment of final factors for a quarter. The bias factors are reviewed primarily through detection of outliers (i.e., abnormally high or low values) and by comparison of CES sample and bias trends with the most recent quarterly observations of UI universe counts. The Bureau is currently studying alternative bias models using Kalman filter and exponential smoothing techniques, which would allow more formal, structured incorporation of each quarter's universe counts in the modeling process.

*Noneconomic code changes.* Noneconomic code changes are a major source of benchmark revision at the major industry division levels and below. These code changes are introduced into the universe data the first quarter of each calendar year.

Each year, coding for approximately one-third of all establishments is reviewed and corrected as necessary through the SIC refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this pro-

cess. The volume of these corrections is normally quite large and can have a major effect on universe employment distributions at the industry levels, but effects on total nonfarm employment are minimal. Under the current refiling procedures, each division is subject to refiling every third year. When a division is refiled, a substantial amount of its employment may be reclassified into other major divisions, thus lowering its benchmark level and potentially causing a significant downward revision in previously published employment levels. Correspondingly, the reclassification raises benchmark levels in other industries which receive the reclassified establishments. Noneconomic code changes can affect the measurement of benchmark error at all industry levels. Reclassifications have minimal effect at the total nonfarm level because they occur only when establishments come into or out of the scope of the CES survey.

*Effects for the 1995 benchmark.* All major divisions except services and trade were refiled over the past year. The results of this refiling affected the measurement of benchmark revisions for 1995 most significantly in construction, manufacturing, and finance, insurance, and real estate. Approximately half of the substantial downward revisions in construction and finance, insurance, and real estate are attributable to refiling effects. Refiling had the opposite effect on the manufacturing revision; without refiling the upward revisions would have been almost twice as large as the actual published revision. Text table B shows the net effect on all major divisions from the most recent refiling, and displays the actual benchmark revision alongside an "adjusted benchmark revision," the amount of revision excluding the noneconomic code change component. Absent the code changes, revisions would have been more evenly spread among the major divisions.

### Seasonal adjustment procedures

Beginning with the release of the 1995 benchmark revision, BLS is using X-12 ARIMA (Auto-Regressive Integrated Moving Average) software developed by the Bureau of the Census to seasonally adjust the CES employment, hours, and earnings series. The X-12 ARIMA replaces the Statistics Canada X-11 ARIMA procedure that was previously used for these series. The conversion to X-12 has allowed BLS to refine its seasonal adjustment procedures to control for survey interval variations, sometimes referred to as the 4- versus 5-week effect. Although the CES survey is referenced to a consistent concept—the pay period including the 12th of each month—inconsistencies arise because there are sometimes 4 and sometimes 5 weeks between the week including the 12th in a given pair of months. In highly seasonal industries, this variation can be an important determinant of the magnitude of seasonal hires or layoffs that have occurred at the time the survey is taken, thereby complicating seasonal adjustment.

Standard seasonal adjustment methodology relies heavily on the experience of the most recent 3 years to determine

Text table B. Effect of noneconomic code changes on benchmark employment levels by industry, March 1995

(Numbers in thousands)

Industry	Overall benchmark revision	Net employment shift due to code changes <sup>1</sup>	Benchmark revision, less effect of code changes	Percent benchmark revision	
				Total	Less effect of code change
Total nonfarm .....	542	5	537	0.5	0.5
Mining .....	1	-4	5	.2	.9
Construction .....	-75	-35	-40	-1.6	-.8
Manufacturing .....	55	-47	102	.3	.6
Transportation and public utilities .....	-43	-19	-24	-.7	-.4
Wholesale trade .....	73	27	46	1.2	.7
Retail trade .....	327	42	285	1.6	1.4
Finance, insurance, and real estate .....	-120	-53	-67	-1.8	-1.0
Services .....	293	86	207	.9	.6
Government .....	31	8	23	.2	.1

<sup>1</sup> Shift is measured and based on the December 1993 employment levels.

the expected seasonal change in employment for each month of the current year. Because the previous X-11 ARIMA based procedures did not distinguish between 4- and 5-week survey intervals, the accuracy of the seasonal expectation depended in large measure on how well the current year's survey interval corresponded with those from the previous 3 years. All else the same, the greatest potential for distortion occurred when the current month being estimated had a 5-week interval but the 3 years preceding it were all 4-week intervals, or conversely, when the current month had a 4-week interval but the 3 years preceding it were all 5-week intervals.

*Research into controlling for the survey interval effect.* Initial research on this topic was conducted at the Federal Reserve Board. Researchers there used time series modeling techniques to identify and remove the varying interval effect before seasonally adjusting CES series. BLS has adopted the basic method used by the Federal Reserve Board researchers, using a technique known in the X-12 software as REGARIMA (Regression with auto-correlated errors) modeling to identify the estimated size and significance of the calendar effect for each published series. REGARIMA modeling combines standard regression analysis, which measures correlations among two or more variables, with ARIMA modeling which describes and predicts the behavior of a data series based on its own past history. For many economic time series, including nonfarm payroll employment, observations are auto-correlated over time, that is, each month's value is significantly dependent on the observations that precede it; these series, thus, usually can be successfully fit using ARIMA models. If auto-correlated time series are modeled through regression analysis alone, the measured relationships among other variables of interest may be distorted due to the influence of the auto-correlation. Thus, the REGARIMA technique is appropriate to measuring relationships among variables of interest in series that exhibit auto-correlation, such as nonfarm payroll employment.

In this application, the correlations of interest are those between employment levels in individual calendar months and the lengths of the survey intervals for those months. The REGARIMA models evaluate the variation in employment levels attributable to 11 separate survey interval variables, one specified for each month, except March. March is excluded because there are always 4 weeks between the February and March surveys. Models for individual basic series were fitted with the most recent 10 years of data available, the standard time span used for CES seasonal adjustment.

The REGARIMA procedure yielded a regression coefficient for each of the 11 months specified in the model. These coefficients provide estimates of the strength of the relationship between employment levels and the number of weeks between surveys for the 11 modeled months. The X-12 ARIMA software also produces diagnostic statistics that permit the assessment of the statistical significance of the regression coefficients. Results obtained from a joint test that examines statistical significance across all 11 monthly variables show that about two-thirds of the published all-employee series for individual industries had significant calendar effects. Individual months also were reviewed for significant effects; about three-fourths of the series tested significant for at least 1 month.

*Implementation of combined interval effect and seasonal adjustment.* Because the 11 coefficients derived from the REGARIMA models provide an estimate of the magnitude of variation in employment levels associated with the length of the survey interval, these coefficients were used to adjust the raw CES data to remove the calendar effect. These "filtered" series then were seasonally adjusted using the standard X-12 ARIMA method. The seasonal adjustment portion of the X-12 ARIMA procedure is very similar to that of the X-11 ARIMA software previously used. The major difference that affects the CES series is the enhancement of the ARIMA modeling portion of the software.

For a few series, REGARIMA models did not fit well; these series were seasonally adjusted with the X-12 software but without the interval effect adjustment. The most significant of these series were the sub-components of the construction division (general building contractors, heavy construction, except building, and special trade contractors). While construction is a very seasonal industry that is likely to be influenced by the calendar effect, the REGARIMA modeling process had difficulty in accurately separating out and measuring this effect, most likely because of the strong influence of variable weather patterns on the employment movements in construction. Four other 2-digit level SIC series also are not adjusted for the interval effect because of difficulty in fitting models: Local and interurban passenger transit, private educational services, membership organizations, and miscellaneous services, not elsewhere classified.

*Other data series.* The establishment-based series for women workers, production and nonsupervisory workers, average weekly hours, average weekly overtime hours, and average hourly earnings also were adjusted with X-12 ARIMA including interval effect modeling. As with the all employee data, there were a few series which could not successfully be fitted to ARIMA/REGARIMA models and these do not include the interval effect adjustment. They are noted on tables 6-10 which provide seasonal factors for the coming months.

*Special adjustments.* BLS is continuing the practice of making special adjustments for average weekly hours and average weekly overtime series to account for the presence or absence of religious holidays in the April survey reference period and Labor Day in the September reference period. From 1988 forward, those adjustments are now made as a part of the X-12 ARIMA/REGARIMA modeling process rather than through the moving-holiday extension of X-11 ARIMA previously used. The special adjustment made in November each year for poll workers in the local government, except education series is also now incorporated into the X-12 process, replacing the X-11 based procedure previously used to account for this effect.

Most other aspects of the procedure for seasonally adjusting nonfarm payroll employment series have not changed. All series were seasonally adjusted using multiplicative mod-

els; additive models were not considered. For employment, seasonal adjustment factors are directly applied to the component levels. Individual 2-digit SIC levels are seasonally adjusted and higher level aggregates formed by summation of these components. Seasonally adjusted totals for hours and earnings are obtained by taking weighted averages of the seasonally adjusted data for the component series.

For a small number of series seasonally adjusted data are not published. These series are characterized by small seasonal components relative to their trend-cycle and irregular components. They are identified in tables 6-10. These series are used, however, in aggregations of broader seasonally adjusted levels.

The Bureau also is continuing the practice of computing and publishing projected seasonal factors twice a year for use in seasonally adjusting establishment-based employment, hours, and earnings series. Factors for the 6-month period May through October 1996 are published in tables 6 through 11. Additionally these tables include revised seasonal factors for March and April 1996, based on the most current seasonal adjustment computations; these factors are in use for the March final and April second preliminary and final estimates.

When BLS next introduces updated seasonal factors for production of November 1996 first preliminary estimates, revised factors from this update will be used to seasonally adjust September final and October second preliminary and final estimates. This is a change to the past practice of retaining the original factors for these months and will eliminate the influence of revised seasonal adjustment factors on the published over-the-month change for November 1996.

#### **Publication of revised data**

A forthcoming bulletin will contain all historical data revised as a result of this benchmark and updated seasonal adjustment factors, that is, unadjusted data for April 1994 forward and seasonally adjusted data for January 1988 forward. Employment estimates are published monthly in *Employment and Earnings* for most of the significant nonfarm industries. Those industries for which monthly data are not published are either quite small or are not represented by a sufficient sample. Table 5 contains the March 1995 benchmark figures for these industries.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Total</b> .....		103,535	106,624	108,606	107,507	107,300	108,935	112,141	115,849
<b>Total private</b> .....		85,881	88,613	90,038	88,790	88,347	89,790	92,730	96,175
<b>Goods-producing</b> .....		24,522	24,753	24,636	23,390	22,724	22,754	23,181	23,784
<b>Mining</b> .....		710	677	691	695	634	603	592	576
Lead and zinc ores .....	103	2.0	2.3	2.6	2.5	2.5	2.5	2.4	2.4
Gold and silver ores .....	104	16.2	19.5	21.0	19.7	19.6	18.7	17.1	17.7
Other metal ores and mining services .....	106,8,9	8.5	10.1	10.0	9.0	7.3	5.8	5.9	6.2
Bituminous coal and lignite-surface .....	1221	59.7	57.3	56.7	53.3	50.7	47.1	45.8	43.4
Bituminous coal-underground .....	1222	81.2	78.4	79.8	75.9	68.3	63.3	59.4	56.2
Anthracite mining and coal mining services .....	123,4	10.9	9.5	9.4	9.1	8.5	7.4	7.2	7.4
Natural gas liquids .....	132	5.0	4.7	4.5	4.7	6.0	5.0	5.0	5.2
Clay, ceramic, and refractory minerals .....	145	8.3	8.3	8.5	7.4	7.5	7.5	7.4	7.7
Dimension stone and other nonmetallic minerals .....	141,8,9	11.1	9.9	10.6	10.2	9.1	9.3	9.3	10.0
<b>Construction</b> .....		4,675	4,726	4,846	4,356	4,117	4,177	4,497	4,748
Bridge, tunnel, and elevated highway .....	1622	43.9	43.7	45.4	41.4	42.5	42.4	39.6	43.6
Water, sewer, and utility lines .....	1623	198.9	203.4	206.9	186.9	180.0	181.6	190.8	196.8
Heavy construction, nec .....	1629	235.0	245.8	249.8	248.1	243.4	228.3	239.0	246.8
Masonry and other stonework .....	1741	155.2	151.2	154.6	127.3	120.3	118.1	127.6	137.5
Plastering, drywall, and insulation .....	1742	249.1	256.0	261.7	218.9	194.1	194.4	210.9	222.1
Terrazzo, tile, marble, and mosaic work .....	1743	34.7	36.0	39.0	33.8	29.8	30.1	31.3	33.4
Carpentry work .....	1751	131.4	147.9	151.7	118.7	119.4	127.3	144.9	156.2
Floor laying and floor work, nec .....	1752	45.6	47.4	48.8	46.2	43.8	46.6	49.9	53.1
Concrete work .....	177	176.9	190.0	195.9	161.6	161.2	166.0	185.9	208.1
Water well drilling .....	178	17.6	18.8	19.0	18.8	18.8	18.5	19.6	20.6
Miscellaneous special trade contractors .....	179	461.1	470.2	500.0	469.6	436.9	442.3	482.2	511.9
Structural steel erection .....	1791	73.2	74.9	74.0	67.8	58.6	56.4	59.7	62.7
Glass and glazing work .....	1793	39.9	39.3	39.9	36.1	32.0	32.0	33.1	35.4
Excavation work .....	1794	109.6	104.7	108.4	94.1	90.2	93.0	101.5	111.0
Wrecking, demolition, and other special trade contractors .....	1795,6,9	238.4	251.3	277.7	271.6	256.1	260.9	287.9	302.8
<b>Manufacturing</b> .....		19,137	19,350	19,099	18,339	17,973	17,974	18,092	18,460
<b>Durable goods</b> .....		11,254	11,424	11,185	10,580	10,247	10,192	10,307	10,644
<b>Lumber and wood products:</b>									
Special product sawmills, nec .....	2429	3.4	3.5	3.1	2.7	2.1	2.1	1.9	1.6
Structural wood members, nec .....	2439	26.4	27.6	27.3	20.6	22.3	25.2	29.8	32.6
Nailed wood boxes and shooks .....	2441	5.5	4.9	4.4	4.2	3.8	3.9	3.8	3.8
Wood pallets and skids .....	2448	29.9	31.7	32.3	32.0	31.7	33.6	37.3	40.2
Wood containers, nec .....	2449	7.5	7.9	8.2	7.8	7.4	7.2	7.4	7.1
Prefabricated wood buildings .....	2452	22.4	21.6	18.4	16.0	14.7	15.5	16.1	18.1
Wood preserving .....	2491	12.7	12.8	12.6	11.9	11.1	11.1	11.5	11.5
Reconstituted wood products .....	2493	15.8	17.1	18.0	16.5	17.4	17.6	18.9	19.9
Wood products, nec .....	2499	61.9	58.5	55.7	52.3	51.8	54.4	56.6	55.8
<b>Furniture and fixtures:</b>									
Wood television and radio cabinets, and household furniture, nec .....	2517,9	12.7	14.3	13.6	12.0	13.5	13.0	12.5	11.6
Wood office furniture .....	2521	35.2	35.3	34.8	30.3	27.2	26.5	28.0	28.3
Office furniture, except wood .....	2522	35.4	36.2	34.3	32.1	33.6	32.9	33.1	34.3
Wood partitions and fixtures .....	2541	43.2	43.0	42.4	40.3	39.7	39.7	42.3	47.8
Partitions and fixtures, except wood .....	2542	34.0	35.3	35.4	33.0	32.3	33.6	34.0	37.6
Drapery hardware and blinds and shades .....	2591	22.0	21.9	22.3	19.7	19.9	18.7	20.0	20.8
Furniture and fixtures, nec .....	2599	12.6	13.9	15.0	14.0	14.6	15.5	16.0	16.3
<b>Stone, clay, and glass products:</b>									
Brick and structural clay tile .....	3251	17.3	16.7	15.8	13.9	13.3	14.0	13.7	14.3
Clay refractories .....	3255	7.5	7.7	7.0	6.4	5.8	5.8	5.8	7.2
Ceramic tile and structural clay products, nec .....	3253,9	13.4	13.5	13.3	11.7	10.8	11.9	12.1	13.0
Vitreous plumbing fixtures .....	3261	9.6	9.5	9.1	8.6	8.9	9.4	10.0	10.6
Vitreous and semivitreous table and kitchenware .....	3262,3	5.8	5.8	5.5	4.9	5.4	5.0	5.1	5.4
Porcelain electrical supplies .....	3264	11.2	11.5	11.1	10.7	10.1	9.8	10.0	10.7
Pottery products, nec .....	3269	12.1	13.2	13.5	12.5	13.2	14.5	14.9	14.8
Lime .....	3274	5.4	5.2	5.3	5.0	5.0	4.9	4.8	5.1
Gypsum products .....	3275	14.4	14.2	13.5	12.0	11.6	11.8	11.9	12.2
Cut stone and stone products .....	328	13.2	13.8	15.0	14.0	13.6	13.1	13.6	13.1
Minerals, ground or treated .....	3295	12.2	12.8	13.0	13.4	12.7	12.2	12.3	12.3
Nonclay refractories .....	3297	7.8	8.4	8.1	8.1	8.9	8.7	8.6	8.3
Nonmetallic mineral products, nec .....	3299	7.7	8.0	8.9	8.6	7.4	8.3	9.3	9.9

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Durable goods-Continued</b>									
Primary metal industries:									
Electrometallurgical products .....	3313	7.9	6.1	6.1	6.0	6.3	6.0	5.7	5.2
Steel wire and related products .....	3315	19.2	19.5	18.4	16.9	16.4	17.1	18.2	19.3
Cold finishing of steel shapes .....	3316	16.6	19.0	17.6	16.9	15.6	15.7	16.1	17.0
Steel investment foundries .....	3324	14.6	15.1	15.8	16.2	15.6	14.4	14.3	15.7
Primary copper .....	3331	5.3	5.5	5.5	5.3	5.7	5.4	5.8	5.9
Primary nonferrous metals, nec .....	3339	12.5	14.3	14.5	14.5	12.9	12.4	11.9	11.8
Secondary nonferrous metals .....	3334	17.8	18.4	18.8	18.5	15.5	14.5	15.4	15.8
Aluminum extruded products .....	3354	33.4	31.6	30.0	28.0	26.8	27.6	27.6	31.4
Aluminum and nonferrous rolling and drawing, nec .....	3355,6	18.0	18.5	18.2	18.1	19.0	18.5	18.1	18.4
Aluminum die-castings .....	3363	23.8	29.2	27.6	26.2	28.9	30.4	31.7	36.6
Nonferrous die-castings, except aluminum .....	3364	13.6	13.0	13.0	11.5	10.5	10.9	11.1	11.1
Copper foundries .....	3366	11.0	11.3	10.7	10.0	9.3	9.0	9.2	9.5
Nonferrous foundries, nec .....	3369	8.7	9.2	9.0	8.2	7.0	6.1	6.2	6.5
Miscellaneous primary metal products .....	339	26.7	27.7	27.2	26.2	25.9	26.5	27.5	28.5
Metal heat treating .....	3398	14.8	15.7	15.3	15.2	14.9	15.3	16.0	17.5
Primary metal products, nec .....	3399	11.9	12.0	11.9	11.0	11.0	11.2	11.5	11.0
Fabricated metal products:									
Metal barrels, drums, and pails .....	3412	10.3	10.2	9.5	9.4	8.8	8.2	7.9	7.7
Cutlery .....	3421	11.0	11.4	12.1	11.8	11.6	11.4	11.9	11.8
Metal sanitary ware .....	3431	13.2	13.6	13.5	12.6	13.0	13.2	13.9	14.6
Prefabricated metal buildings .....	3448	24.9	25.8	25.5	22.4	20.9	21.6	23.5	25.7
Miscellaneous metal work .....	3449	17.4	15.4	14.7	13.2	12.3	12.5	12.4	12.4
Nonferrous forgings, crowns, and closures .....	3463,6	12.7	12.7	12.1	11.1	11.9	11.2	11.1	11.6
Small arms, small arms ammunition, and other ordnance and accessories, nec .....	3482,4,9	33.6	31.6	30.3	26.6	25.0	24.1	23.2	25.0
Industrial valves .....	3491	25.4	26.9	27.8	26.8	26.6	25.2	25.2	26.9
Fluid power valves and hose fittings .....	3492	26.5	29.3	28.5	27.6	27.5	27.2	27.7	31.8
Steel springs, except wire .....	3493	6.3	6.2	6.0	5.6	4.8	4.8	5.1	5.6
Wire springs .....	3495	13.5	13.7	13.1	12.1	13.0	13.5	14.1	15.3
Fabricated pipe and fittings .....	3498	23.5	24.2	24.1	24.5	25.2	26.7	26.8	27.4
Metal foil and leaf, and fabricated metal products, nec .....	3497,9	48.8	54.8	55.5	54.5	50.2	55.5	58.0	62.6
Industrial machinery and equipment:									
Lawn and garden equipment .....	3524	30.9	28.7	30.6	26.7	27.1	27.2	28.4	30.4
Elevators and moving stairways .....	3534	12.8	11.8	11.5	10.3	9.3	9.6	9.6	9.8
Hoists, cranes, and monorails .....	3536	8.5	8.2	8.4	9.0	7.7	7.3	7.2	7.8
Industrial patterns .....	3543	9.8	9.0	9.0	8.7	8.2	8.1	8.4	8.8
Welding apparatus .....	3548	16.9	19.0	18.7	18.4	18.5	18.0	18.9	20.7
Rolling mill and metalworking machinery, nec .....	3547,9	9.9	12.5	12.7	12.4	12.7	13.1	13.3	15.2
Woodworking machinery .....	3553	11.1	10.6	9.8	8.4	8.0	8.7	9.9	11.3
Paper industries machinery .....	3554	17.6	18.5	19.7	18.9	19.6	19.3	19.5	21.2
Special industry machinery, nec .....	3559	60.3	64.0	62.3	60.8	60.0	60.4	62.4	71.8
Packaging machinery .....	3565	19.7	21.3	21.8	21.5	19.0	19.8	20.1	22.1
Industrial furnaces and ovens .....	3567	17.0	18.3	18.5	17.2	15.9	15.6	16.5	17.7
General industrial machinery, nec .....	3569	36.7	39.9	39.8	39.6	40.0	40.8	42.8	44.3
Computer storage devices .....	3572	29.2	36.2	35.0	38.2	35.6	38.0	37.6	40.3
Computer peripheral equipment, nec .....	3577	59.3	61.6	58.0	58.7	55.3	53.0	57.9	60.0
Automatic vending machines .....	3581	8.8	8.0	7.5	7.3	6.8	7.1	7.5	8.1
Commercial laundry equipment .....	3582	6.2	5.7	5.8	5.7	5.3	5.5	5.8	6.2
Measuring and dispensing pumps, and service industry machinery, nec .....	3586,9	40.8	43.2	43.2	41.6	41.9	42.9	45.8	48.6
Fluid power cylinders and actuators .....	3593	19.4	19.3	19.4	18.4	16.4	16.3	17.1	18.5
Fluid power pumps and motors .....	3594	30.1	31.2	29.3	28.7	27.4	26.3	25.4	26.2
Electronic and other electrical equipment:									
Carbon and graphite products .....	3624	10.1	11.2	10.9	10.2	9.4	9.3	9.5	10.0
Electrical industrial apparatus, nec .....	3629	9.9	9.1	9.1	9.3	9.6	9.5	9.2	9.7
Household cooking equipment .....	3631	21.6	21.6	20.6	18.0	17.6	21.1	21.8	23.3
Household vacuum cleaners and appliances, nec .....	3635,9	25.5	25.7	25.0	21.6	25.6	25.6	25.5	23.8
Commercial lighting fixtures .....	3646	20.5	21.6	22.9	22.2	22.0	22.8	23.6	25.8
Vehicular lighting equipment .....	3647	17.9	19.8	18.5	17.5	17.5	17.6	16.8	18.0
Lighting equipment, nec .....	3648	10.4	11.3	10.6	10.0	9.4	10.0	10.6	12.6
Prerecorded records and tapes .....	3652	21.6	21.6	21.0	23.2	21.6	23.4	25.1	26.9
Radio and television communications equipment .....	3663	114.7	107.3	112.9	111.0	106.0	102.9	107.8	122.2

See footnotes at end of table.



**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Durable goods-Continued</b>									
<b>Electronic and other electrical equipment-Continued</b>									
Communications equipment, nec .....	3669	22.5	22.9	24.1	24.4	23.2	24.8	25.0	28.0
Printed circuit boards .....	3672	79.7	102.8	101.7	99.2	92.2	99.8	100.6	114.8
Electronic capacitors .....	3675	24.2	26.3	22.0	20.2	18.4	19.6	19.4	20.9
Electronic resistors .....	3676	13.3	12.6	12.6	11.5	11.0	10.1	10.4	10.6
Electronic coils and transformers .....	3677	23.2	21.6	19.1	17.9	17.1	17.4	16.8	18.9
Electronic connectors .....	3678	14.5	14.9	15.5	15.9	16.2	15.6	15.9	16.9
Primary batteries, dry and wet .....	3692	13.4	11.2	10.7	10.8	12.1	11.3	11.5	11.9
Magnetic and optical recording media, and electrical equipment and supplies, nec .....	3695,9	58.8	58.4	56.3	55.9	49.7	49.2	49.9	47.0
<b>Transportation equipment:</b>									
Motor homes .....	3716	19.2	22.5	17.8	14.2	17.2	18.5	19.6	20.6
Motorcycles, bicycles, and parts .....	375	12.5	13.8	13.2	14.7	15.8	17.1	18.0	20.9
Space propulsion units and parts, and space vehicle equipment, nec .....	3764,9	57.1	58.2	54.0	49.5	42.4	36.4	32.5	29.7
Tanks and tank components .....	3795	15.6	16.2	15.1	14.3	12.8	11.1	9.7	8.7
Transportation equipment, nec .....	3799	14.2	14.6	14.0	12.6	14.9	16.3	19.3	22.2
<b>Instruments and related products:</b>									
Laboratory apparatus and furniture .....	3821	9.2	8.0	8.8	8.8	9.6	10.2	9.9	9.6
Fluid meters and counting devices .....	3824	11.6	11.3	12.1	12.0	12.4	12.4	12.5	11.9
Analytical instruments .....	3826	25.9	29.6	30.5	28.6	28.5	28.0	27.3	27.7
Optical instruments and lenses .....	3827	17.9	19.4	20.2	19.4	18.8	17.4	18.4	18.1
Measuring and controlling devices, nec .....	3829	45.7	46.0	45.3	45.7	42.6	40.4	38.3	40.6
Dental equipment and supplies .....	3843	14.0	12.9	13.0	13.0	12.8	13.8	14.2	13.8
X-ray apparatus and tubes .....	3844	10.3	10.9	10.4	11.4	10.7	10.8	10.8	12.7
Electromedical equipment .....	3845	21.3	27.0	28.4	31.8	37.6	38.4	41.7	41.9
<b>Miscellaneous manufacturing industries:</b>									
Silverware and plated ware .....	3914	7.7	7.4	6.7	6.5	6.3	6.2	6.1	6.5
Jewelers' materials and lapidary work .....	3915	7.8	7.3	7.1	6.6	6.8	7.0	7.0	6.3
Pens and mechanical pencils .....	3951	8.8	9.7	9.2	8.7	8.0	8.7	8.3	9.0
Lead pencils and art goods .....	3952	7.2	7.5	7.3	7.2	7.7	7.8	7.5	7.5
Marking devices, carbon paper, and inked ribbons .....	3953,5	18.1	18.5	17.7	17.3	17.2	16.8	17.1	15.0
Fasteners, buttons, needles, and pins .....	3965	12.9	12.5	12.1	11.8	11.9	11.4	11.3	11.0
Brooms and brushes .....	3991	13.5	13.2	13.5	13.2	13.3	14.1	14.1	14.6
Burial caskets .....	3995	9.3	9.3	9.0	9.0	8.9	8.9	9.2	9.1
Hard surface floor coverings and manufacturing industries, nec .....	3996,9	60.8	60.9	58.9	57.7	54.6	57.7	61.1	62.6
<b>Nondurable goods</b> .....		<b>7,883</b>	<b>7,926</b>	<b>7,914</b>	<b>7,759</b>	<b>7,726</b>	<b>7,782</b>	<b>7,785</b>	<b>7,816</b>
<b>Food and kindred products:</b>									
Creamery butter .....	2021	2.3	2.0	2.1	2.0	1.9	2.1	2.1	2.0
Dry, condensed, and evaporated products .....	2023	15.4	15.8	15.7	17.1	17.3	17.6	17.7	16.6
Ice cream and frozen desserts .....	2024	21.3	21.4	21.1	21.5	21.4	23.0	22.9	23.3
Dehydrated fruits, vegetables, and soups .....	2034	15.3	15.1	17.9	17.1	15.0	16.0	16.4	15.8
Pickles, sauces, and salad dressings .....	2035	20.7	20.7	19.3	20.1	21.1	20.9	21.3	21.4
Frozen specialties, nec .....	2038	41.0	41.6	42.5	44.5	48.8	49.7	50.0	52.6
Cereal breakfast foods .....	2043	19.2	20.2	19.9	18.9	18.4	19.8	19.8	19.5
Rice milling .....	2044	5.4	5.4	5.6	5.5	4.8	4.6	4.9	5.0
Prepared flour mixes and doughs .....	2045	9.5	8.9	9.4	11.0	11.5	13.0	13.9	13.3
Wet corn milling .....	2046	9.1	9.2	9.1	9.6	10.0	9.7	9.5	9.8
Dog and cat food .....	2047	12.6	15.2	16.0	16.3	16.9	18.0	18.3	18.1
Chocolate and cocoa products and chewing gum .....	2066,7	21.2	21.7	20.2	21.4	19.3	19.3	19.0	18.4
Salted and roasted nuts and seeds .....	2068	7.2	6.2	6.9	7.7	9.5	9.0	8.1	8.4
Cottonseed, soybean, and vegetable oil mills .....	2074,5,6	13.0	12.7	13.0	13.2	13.3	12.9	13.1	13.2
Animal and marine fats and oils .....	2077	8.0	8.1	8.2	7.6	7.5	7.6	7.7	7.7
Edible fats and oils, nec .....	2079	11.3	10.3	10.1	9.9	10.2	11.2	10.7	9.7
Wines, brandy, and brandy spirits .....	2084	15.2	15.5	15.1	16.0	16.1	17.0	16.8	17.4
Distilled and blended liquors .....	2085	11.0	9.8	8.5	9.2	8.5	8.7	8.3	8.2
Malt and flavoring extracts and syrups, nec .....	2083,7	17.1	17.6	18.0	17.5	17.5	17.9	19.0	20.2
Canned and cured fish and seafoods .....	2091	11.4	9.9	9.4	9.4	8.5	8.1	8.6	7.5
Fresh or frozen packaged fish .....	2092	38.5	41.3	42.2	43.3	45.4	47.3	45.0	43.9
Roasted coffee .....	2095	12.4	11.7	11.9	11.6	11.6	10.4	10.7	9.7
Potato chips and similar snacks .....	2096	32.1	33.4	34.5	35.3	35.5	35.2	35.0	35.0
Manufactured ice .....	2097	5.1	5.1	5.2	5.5	5.4	5.6	5.7	5.7
Macaroni and spaghetti .....	2098	8.8	7.9	8.6	8.5	8.2	8.9	8.8	8.5
Food preparations, nec .....	2099	53.1	56.5	61.6	62.7	62.1	65.7	68.7	66.1
<b>Tobacco products:</b>									
Cigars .....	212	3.6	3.2	2.8	2.7	2.4	2.4	2.2	2.2
Other tobacco products .....	213,4	10.0	9.9	10.1	9.7	10.5	10.1	9.6	9.2

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Nondurable goods-Continued</b>									
Textile mill products:									
Lace and warp knit fabric mills, and knitting mills, nec .....	2258,9	21.9	19.8	20.4	21.0	21.3	21.1	21.7	21.1
Finishing plants, nec .....	2269	13.9	12.9	13.0	12.4	13.8	14.1	14.6	14.1
Thread mills .....	2284	7.5	6.9	7.3	6.9	6.7	6.7	6.9	7.4
Coated fabrics, not rubberized .....	2295	10.4	9.4	9.7	8.8	8.9	8.9	9.0	9.0
Tire cord and fabrics .....	2296	5.4	6.3	6.3	6.0	6.4	6.7	6.5	6.5
Cordage and twine .....	2298	8.4	7.8	7.3	7.5	7.0	7.0	6.7	7.6
Nonwoven fabrics and other textile goods, nec .....	2297,9	28.5	28.8	28.4	28.1	28.6	28.0	29.7	30.1
Apparel and other textile products:									
Men's and boys' underwear and nightwear .....	2322	26.5	21.9	25.0	24.8	24.4	27.0	25.2	25.5
Men's and boys' neckwear .....	2323	8.1	7.7	6.9	6.3	7.3	6.9	6.9	6.6
Men's and boys' clothing, nec .....	2329	53.4	54.0	54.8	49.4	52.9	52.3	50.4	50.5
Hats, caps, and millinery .....	235	14.6	15.0	16.2	15.6	18.2	19.9	20.6	20.3
Girls' and children's outerwear, nec .....	2369	36.1	35.5	34.0	29.1	29.4	28.9	25.2	25.8
Fur goods .....	237	2.4	2.3	1.7	1.2	.9	.9	.8	.8
Fabric dress and work gloves .....	2381	7.3	6.7	6.9	6.0	5.5	5.3	5.4	5.0
Robes and dressing gowns .....	2384	7.2	7.5	6.0	4.9	4.8	3.9	3.5	3.0
Waterproof outerwear .....	2385	6.2	6.5	5.7	6.6	6.2	6.3	5.1	4.1
Leather and sheep-lined clothing .....	2386	3.4	3.6	3.8	2.7	2.5	2.8	2.9	2.5
Apparel belts .....	2387	10.3	10.5	9.8	8.4	8.1	8.2	7.0	6.3
Apparel and accessories, nec .....	2389	7.5	9.4	12.1	14.3	14.4	16.7	17.1	16.2
Textile bags .....	2393	9.0	8.9	9.2	9.6	10.0	10.1	10.9	11.9
Canvas and related products .....	2394	18.2	17.7	17.7	16.5	16.7	17.6	19.4	19.9
Pleating and stitching .....	2395	14.9	15.1	14.5	14.9	15.8	16.4	16.1	16.8
Other fabricated textile products .....	2397,9	34.7	35.6	36.6	32.4	31.7	32.7	34.7	35.7
Paper and allied products:									
Pulp mills .....	261	14.5	16.4	13.8	14.3	13.9	13.5	12.6	12.5
Setup paperboard boxes .....	2652	9.1	8.7	8.2	8.1	7.3	7.2	7.4	7.5
Fiber cans, drums, and similar products .....	2655	16.3	16.7	16.6	15.9	15.0	15.1	15.4	15.0
Paper, coated and laminated, packaging .....	2671	17.5	19.9	21.4	21.2	21.4	21.4	21.3	22.7
Bags: uncoated paper and multiwall .....	2674	19.2	21.3	21.0	19.1	19.6	18.9	18.8	18.5
Die-cut paper and board .....	2675	17.6	18.1	17.6	16.8	18.0	18.8	19.4	20.1
Sanitary paper products .....	2676	30.6	31.4	31.9	30.8	32.4	33.0	32.9	30.0
Stationery and converted paper products, nec .....	2678,9	48.7	44.8	43.5	42.2	41.1	41.8	41.4	42.1
Printing and publishing:									
Commercial printing, gravure .....	2754	13.9	15.5	17.4	18.1	18.9	19.5	20.7	20.4
Greeting cards .....	277	23.4	23.4	24.0	27.0	26.0	26.0	27.2	26.4
Blankbooks and looseleaf binders .....	2782	46.8	46.9	44.4	43.0	41.3	41.3	40.3	39.3
Bookbinding and related work .....	2789	28.0	27.7	27.5	26.9	27.0	27.2	28.3	29.9
Typesetting .....	2791	35.5	34.4	32.6	29.8	25.2	23.7	23.3	21.2
Platemaking services .....	2796	25.7	29.7	31.2	32.0	33.4	33.2	33.1	34.0
Chemicals and allied products:									
Alkalies and chlorine .....	2812	10.4	10.7	12.3	12.6	12.9	12.8	12.6	10.0
Industrial gases .....	2813	21.2	22.0	23.7	23.6	24.6	24.2	23.4	23.0
Inorganic pigments .....	2816	10.6	10.3	10.4	10.1	10.6	10.9	11.2	11.8
Synthetic rubber .....	2822	15.3	15.3	15.4	15.3	16.0	16.5	16.1	16.0
Cellulosic synthetic fibers .....	2823	13.0	13.8	14.4	13.1	11.4	11.7	17.6	17.8
Medicinals and botanicals .....	2833	18.4	17.7	17.9	18.3	18.7	19.7	19.8	20.6
Diagnostic and other biological products .....	2835,6	20.6	21.1	21.1	22.3	26.5	28.4	29.5	28.8
Gum and wood chemicals .....	2861	5.0	4.9	4.3	4.8	3.5	2.9	2.8	2.7
Nitrogenous fertilizers .....	2873	9.7	10.1	10.1	10.6	10.6	9.2	8.9	8.7
Phosphatic fertilizers .....	2874	10.9	11.5	10.8	10.3	12.1	10.4	9.4	9.9
Fertilizers, mixing only .....	2875	11.0	10.2	10.3	10.4	9.9	9.8	9.9	10.1
Agricultural chemicals, nec .....	2879	22.0	21.3	25.4	25.3	27.0	27.4	26.8	25.6
Adhesives and sealants .....	2891	24.1	23.7	24.5	23.6	23.0	23.5	22.8	24.5
Explosives .....	2892	15.9	15.2	15.0	14.4	12.9	10.1	9.0	8.2
Printing ink .....	2893	13.7	14.7	15.2	16.2	15.7	16.3	16.3	15.9
Other chemical preparations .....	2895,9	46.2	45.5	44.2	44.5	41.9	42.5	44.8	43.5
Petroleum and coal products:									
Asphalt paving mixtures and blocks .....	2951	10.7	10.3	11.0	10.9	11.1	10.9	11.3	11.7
Asphalt felts and coatings .....	2952	14.0	13.7	13.4	12.7	12.6	13.0	13.1	12.9
Miscellaneous petroleum and coal products .....	299	12.2	11.7	12.5	12.3	12.3	12.5	12.6	14.0

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Nondurable goods-Continued</b>									
Rubber and miscellaneous plastics products:									
Gaskets, packing and sealing devices .....	3053	31.5	33.8	34.7	33.9	35.1	36.0	37.6	40.5
Mechanical rubber goods .....	3061	50.1	50.5	46.9	44.2	44.6	45.9	47.9	50.5
Fabricated rubber products, nec .....	3069	54.1	61.1	57.7	55.6	56.6	57.0	58.7	61.2
Unsupported plastics film and sheet .....	3081	52.3	53.2	54.4	55.2	55.9	56.3	57.5	61.6
Unsupported plastics profile shapes .....	3082	28.4	29.4	27.9	25.4	23.7	23.9	25.4	23.6
Laminated plastics plate and sheet .....	3083	19.9	21.4	20.0	20.2	20.2	21.6	21.9	22.6
Plastics pipe .....	3084	14.6	15.4	16.1	14.7	13.9	14.3	15.4	16.7
Plastics bottles .....	3085	28.4	29.8	30.4	29.7	30.2	31.1	31.6	33.1
Plastics foam products .....	3086	50.2	51.3	52.0	48.4	49.5	50.7	53.4	55.1
Custom compound purchased resins .....	3087	27.1	25.0	25.3	23.3	22.3	23.4	24.6	26.1
Plastics plumbing fixtures and plastic products, nec .....	3088,9	375.4	397.2	399.3	385.4	397.6	422.9	445.6	475.0
Leather and leather products:									
Footwear cut stock .....	313	6.6	6.4	6.3	5.4	4.8	4.2	3.4	2.9
House slippers .....	3142	4.6	4.8	4.2	3.7	3.2	2.8	3.1	3.4
Footwear, except rubber, nec .....	3149	12.7	10.9	10.1	9.6	8.1	7.6	7.2	6.8
Leather gloves and mittens .....	315	2.9	2.7	2.5	2.5	2.5	2.6	2.6	2.8
Women's handbags and purses .....	3171	8.4	6.9	6.0	4.9	4.7	5.1	5.1	4.7
Personal leather goods, nec .....	3172	9.0	8.8	9.1	8.4	7.4	7.2	7.0	6.9
Leather goods, nec .....	319	8.9	9.0	10.2	9.6	9.7	9.9	10.7	12.0
<b>Service-producing</b> .....		79,013	81,871	83,970	84,117	84,576	86,181	88,960	92,065
<b>Transportation and public utilities</b> .....									
Transportation:									
Other railroads and switching and terminal services .....	4013	38.4	38.7	38.8	32.2	32.1	31.9	26.9	26.2
Bus charter service, and bus terminal and service facilities .....	414,7	24.8	26.5	27.2	27.4	27.7	28.6	29.3	30.1
Local trucking, without storage .....	4212	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	424.8	450.6	463.4
Trucking, except local .....	4213	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	741.9	777.3	818.3
Local trucking, with storage .....	4214	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	64.3	67.4	70.1
Courier services, except by air .....	4215	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	263.5	288.0	318.7
General warehousing and storage .....	4225	61.5	63.2	64.5	66.5	70.2	72.3	79.5	84.0
Warehousing and storage, nec .....	4221,2,6	47.4	48.4	49.3	49.5	49.2	50.9	53.2	55.5
Trucking terminal facilities .....	423	4.5	3.7	4.0	3.9	3.5	4.1	4.2	4.1
Deep sea and Great Lakes freight transportation .....	441,2,3	32.0	30.8	31.6	32.4	34.2	30.3	29.3	28.2
Water transportation of passengers .....	448	12.1	12.1	14.3	15.0	15.5	15.0	16.5	16.3
Marine cargo handling .....	4491	55.5	58.2	53.8	57.6	56.8	53.3	55.2	59.3
Marinas .....	4493	15.9	16.4	17.2	17.2	16.8	17.1	17.8	18.2
Towing, tugboat, and water transportation services, nec .....	4492,9	35.5	33.2	35.9	36.8	33.5	33.0	35.2	35.5
Air courier services .....	4513	68.4	82.8	91.9	92.8	96.0	104.8	115.8	142.2
Air transportation, nonscheduled .....	452	18.2	23.1	26.0	27.5	28.5	30.2	34.0	40.1
Tour operators .....	4725	20.6	22.1	22.8	21.6	23.6	24.9	27.4	29.5
Passenger transport arrangement, nec .....	4729	16.8	15.5	14.9	13.9	12.1	12.0	11.5	11.7
Rental of railroad cars .....	474	6.1	6.0	5.7	5.6	4.7	4.4	4.7	4.9
Miscellaneous transportation services .....	478	16.5	18.3	20.2	23.3	24.3	27.8	32.1	35.9
Communications and public utilities:									
Radiotelephone communications .....	4812	21.1	27.3	36.5	44.2	50.7	59.6	74.3	95.6
Telegraph and other communications .....	482	17.5	14.1	12.0	10.4	8.7	7.0	7.2	8.5
Communications services, nec .....	489	25.5	23.8	25.3	23.3	17.2	17.7	17.2	17.8
Water supply .....	494	23.9	24.7	25.1	25.8	25.7	26.3	26.6	27.6
Steam and air-conditioning supply, and irrigation systems .....	496,7	3.9	3.8	4.6	4.6	4.2	3.6	3.7	3.7
<b>Wholesale trade</b> .....									
Tires and tubes .....	5014	29.3	30.0	30.3	28.4	28.4	28.6	29.0	29.7
Motor vehicle parts, used .....	5015	36.2	37.7	39.5	39.8	39.5	40.0	42.0	43.6
Brick, stone, and related materials .....	5032	32.9	36.1	38.9	37.0	37.4	37.6	39.7	44.8
Roofing, siding, and insulation .....	5033	24.7	26.3	27.0	25.8	25.9	27.0	28.2	31.1
Photographic equipment and supplies .....	5043	26.3	31.2	30.8	30.7	28.9	27.5	27.6	26.7
Commercial equipment, nec .....	5046	48.8	50.2	51.5	50.8	49.7	50.4	51.1	54.1
Ophthalmic goods .....	5048	20.8	21.6	20.3	20.1	20.7	19.9	20.3	21.2
Professional equipment, nec .....	5049	39.0	39.7	35.6	34.3	35.8	35.0	34.8	35.8
Warm air heating and air-conditioning .....	5075	50.7	52.5	52.5	51.7	51.6	52.0	54.5	57.2
Refrigeration equipment and supplies .....	5078	14.6	14.9	13.4	13.3	12.9	12.7	13.5	13.3
Service establishment equipment .....	5087	81.8	85.5	81.6	82.0	80.5	76.4	78.5	81.9
Transportation equipment and supplies .....	5088	38.0	38.6	38.6	39.2	38.9	35.3	34.6	36.1
Sporting and recreational goods .....	5091	40.0	43.2	42.5	41.7	43.1	40.7	43.6	46.4

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Wholesale trade-Continued</b>									
Toys and hobby goods and supplies .....	5092	21.7	22.7	23.9	23.1	24.1	25.0	26.2	27.8
Jewelry and precious stones .....	5094	45.7	47.6	48.3	47.9	48.0	48.5	49.1	48.0
Wholesale trade durable goods,nec .....	5099	71.0	76.8	67.7	69.2	69.4	64.2	69.1	76.7
Printing and writing paper .....	5111	24.5	24.8	25.6	25.0	23.9	23.1	22.4	23.2
Industry and personal service paper .....	5113	83.6	86.7	86.8	86.4	84.4	86.0	86.7	85.5
Piece goods and notions .....	5131	52.4	54.4	51.8	51.2	52.5	52.6	51.8	53.9
Men's and boys' clothing .....	5136	39.6	43.3	43.4	42.4	44.4	47.1	48.2	51.2
Women's and children's clothing .....	5137	77.6	83.1	84.9	80.9	85.8	81.8	84.2	90.1
Footwear .....	5139	19.1	19.6	21.2	21.5	22.0	22.7	23.8	25.9
Packaged frozen foods .....	5142	30.0	31.8	33.3	34.5	35.3	35.2	35.5	36.4
Dairy products, except dried or canned .....	5143	47.0	47.6	49.6	46.8	46.3	45.0	45.5	44.9
Poultry and poultry products .....	5144	22.4	21.3	20.4	19.8	18.7	17.5	17.1	17.4
Confectionery .....	5145	45.6	46.5	48.1	48.5	49.8	50.6	52.1	54.4
Fish and seafoods .....	5146	30.6	31.4	31.0	29.3	28.7	27.3	27.9	29.0
Groceries and related products, nec .....	5149	205.9	220.8	225.1	231.3	236.5	231.8	242.6	258.4
Grain and field beans .....	5153	66.8	67.2	65.4	63.2	63.3	59.9	59.8	60.0
Livestock .....	5154	36.5	36.2	35.3	35.4	35.1	34.7	34.8	33.6
Farm-product raw materials, nec .....	5159	21.6	21.0	17.3	16.7	16.2	15.6	15.6	15.5
Plastics materials and basic shapes .....	5162	22.2	23.2	24.9	24.5	25.6	26.5	27.2	29.2
Chemicals and allied products, nec .....	5169	102.0	104.1	110.8	113.0	113.2	114.9	113.9	117.6
Books, periodicals, and newspapers .....	5192	61.7	64.5	69.1	70.7	72.0	73.8	77.8	84.0
Flowers and florists' supplies .....	5193	41.4	44.9	49.4	50.2	51.1	49.7	51.6	56.1
Tobacco and tobacco products .....	5194	42.1	45.4	45.8	45.5	48.3	48.6	45.9	45.2
Paints, varnishes, and supplies .....	5198	30.3	30.3	29.8	29.2	28.0	28.2	28.5	30.0
Wholesale trade nondurable goods, nec .....	5199	116.7	127.1	125.5	127.3	136.6	125.3	134.6	147.9
<b>Retail trade</b>									
Mobile home dealers .....	527	27.6	27.8	25.9	23.7	23.6	25.1	28.6	33.4
Fruit and vegetable markets .....	543	22.4	22.6	21.3	22.0	23.2	22.3	24.0	25.3
Candy, nut, and confectionery stores .....	544	30.5	32.3	30.1	30.9	28.2	29.2	29.0	28.5
Miscellaneous food stores .....	549	40.0	42.8	41.1	43.1	44.9	49.1	56.2	64.8
Used car dealers .....	552	59.8	62.4	61.2	61.3	62.2	63.1	70.4	77.1
Boat dealers .....	555	38.0	40.3	36.7	30.7	29.0	28.1	29.8	32.6
Recreational vehicle dealers .....	556	19.5	21.1	21.2	19.1	19.7	20.5	22.7	24.4
Motorcycle dealers .....	557	25.8	24.9	24.1	23.4	23.4	23.4	25.9	28.7
Women's accessory and specialty stores .....	563	44.8	45.1	50.5	49.8	50.0	51.5	53.6	53.6
Children's and infants' wear stores .....	564	36.7	35.1	33.3	32.9	32.5	33.0	34.6	38.2
Miscellaneous apparel and accessory stores .....	569	62.6	67.2	71.5	77.6	78.0	78.6	82.6	85.6
Floor covering stores .....	5713	77.3	79.6	78.8	75.0	74.5	76.3	78.8	83.1
Drapery, upholstery, and miscellaneous home furnishings .....	5714,9	95.1	99.5	98.9	95.0	95.1	96.7	101.3	110.7
Computer and software stores .....	5734	59.4	68.4	72.8	75.3	78.9	80.3	86.8	97.1
Musical instrument stores .....	5736	25.5	26.2	26.7	26.2	26.3	26.8	27.9	29.4
Hobby, toy, and game shops .....	5945	82.3	87.6	90.9	89.9	93.4	90.3	96.7	102.6
Camera, luggage, and leather goods stores .....	5946,8	42.7	43.6	40.5	38.9	37.8	36.7	36.1	36.7
Direct selling establishments .....	5963	60.3	57.3	53.2	55.2	52.4	51.7	51.7	54.2
<b>Finance, insurance, and real estate</b>									
Central reserve depositories .....	601	6,576	6,615	6,650	6,656	6,534	6,633	6,883	6,770
Foreign banks and branches and agencies .....	608	27.9	29.0	26.7	27.3	27.0	26.0	26.3	25.8
Functions closely related to banking .....	609	25.7	27.1	28.0	29.3	34.2	34.4	32.9	32.8
Federal and federally sponsored credit agencies .....	611	46.9	51.0	57.4	60.3	60.4	62.5	66.6	68.4
Short-term business credit .....	6153	11.0	10.3	11.1	12.1	16.2	17.8	19.9	21.5
Miscellaneous business credit institutions .....	6159	34.2	40.1	43.9	50.7	49.1	49.6	53.4	56.5
Investment advice .....	6282	30.7	33.3	35.0	35.0	32.4	31.5	33.6	34.0
Security and commodity services, nec .....	6289	43.8	45.0	48.3	54.0	55.2	62.7	72.5	74.9
Bank holding companies .....	6712	24.8	24.9	26.6	27.2	25.8	24.0	24.6	24.3
Holding companies, nec .....	6719	26.9	26.5	28.0	28.6	25.2	27.8	27.7	28.8
Trusts .....	673	76.7	78.4	82.2	82.0	74.9	75.8	76.1	73.4
Investment offices and miscellaneous investing .....	672,9	57.2	76.2	63.6	76.1	76.5	68.2	71.0	65.9
Accident and health insurance .....	6321	42.1	39.3	41.1	42.1	42.1	48.1	54.6	56.2
Pension, health, and welfare funds .....	637	52.4	53.7	54.9	55.9	61.5	61.0	61.7	61.1
Surety insurance and insurance carriers, nec .....	635,9	35.9	36.2	37.4	38.9	39.4	39.4	41.8	42.4
Title abstract offices .....	654	13.0	14.6	15.4	16.7	17.8	18.8	19.9	20.5
		30.9	30.2	30.4	28.3	30.4	32.1	37.5	29.7

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Services</b> .....		24,953	26,503	27,697	28,053	28,586	29,647	30,872	32,612
Agricultural services:									
Animal services, except veterinary .....	075	44.3	41.5	41.8	43.5	40.9	42.8	45.2	45.4
Hotels and other lodging places:									
Camps and recreational vehicle parks .....	703	20.0	21.6	23.3	22.0	22.8	23.4	23.7	25.3
Rooming and boarding houses, and membership-basis organization hotels .....	702,4	16.6	17.8	17.8	17.9	17.1	17.3	16.9	17.2
Personal services:									
Power laundries and garment pressing and cleaners agents .....	7211,2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	58.4	52.9	53.2
Linen supply .....	7213	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	63.5	63.2	64.5
Drycleaning plants and carpet and upholstery cleaning, except rugs .....	7216,7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	191.5	197.4	203.3
Industrial launderers .....	7218	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	43.8	48.4	52.4
Coin-operated laundries and laundry and garment services, nec Barber shops .....	7215,9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	58.6	54.1	53.4
Barber shops .....	724	18.5	17.9	17.7	14.1	13.9	13.8	12.3	12.1
Shoe repair shops and shoeshine parlors .....	725	7.0	7.0	6.9	6.6	6.7	6.4	5.7	5.5
Tax return preparation services .....	7291	82.8	86.7	89.9	105.7	114.4	118.1	122.9	127.8
Miscellaneous personal services, nec .....	7299	78.8	90.4	100.5	98.2	97.0	100.4	96.4	100.0
Business services:									
Outdoor, radio, television, and other advertising, nec .....	7312,3,9	62.8	62.5	67.9	68.7	69.6	72.1	70.6	74.7
Adjustment and collection services .....	7322	55.0	61.7	66.3	70.5	74.6	77.6	78.5	83.2
Credit reporting services .....	7323	35.4	37.0	39.4	35.8	37.9	37.7	38.0	34.0
Direct mail advertising services .....	7331	87.9	86.2	88.9	88.1	84.7	88.3	90.7	96.4
Commercial photography .....	7335	16.2	17.5	17.8	16.1	15.7	16.1	15.2	15.7
Commercial art and graphic design .....	7336	40.5	45.1	48.3	45.6	45.1	47.3	48.2	54.8
Secretarial and court reporting .....	7338	22.7	26.1	29.3	29.7	30.7	33.0	33.9	36.7
Computer facilities management .....	7376	26.0	25.8	25.6	24.2	25.2	25.8	23.9	25.0
Computer rental and leasing .....	7377	10.3	11.7	10.7	10.8	10.2	9.8	9.3	8.7
Computer related services, nec .....	7379	69.8	78.1	88.5	94.0	101.9	116.1	130.8	159.9
News syndicates .....	7383	10.1	10.5	10.3	10.0	10.2	9.9	10.0	11.0
Business services, nec .....	7389	545.4	602.5	661.7	635.5	647.7	702.3	713.2	816.6
Auto repair, services, and parking:									
Passenger car leasing .....	7515	11.7	11.7	11.3	10.0	9.5	9.3	8.7	8.7
Truck and utility trailer rental .....	7513,9	57.7	62.2	64.4	55.3	52.1	53.5	53.4	57.5
Auto exhaust system repair shops .....	7533	20.3	20.1	22.1	22.4	23.3	23.9	25.0	26.2
Automotive glass replacement shops .....	7536	14.7	17.6	19.7	20.5	20.0	20.6	22.3	25.7
Automotive transmission repair shops .....	7537	22.8	23.5	23.6	23.5	23.1	23.9	25.2	26.2
Automotive repair shops, nec .....	7539	49.5	52.4	54.5	50.8	50.0	50.2	50.2	52.1
Automotive services, nec .....	7549	45.4	53.0	58.2	62.9	66.1	71.0	79.7	88.7
Reupholstery and furniture repair .....	764	23.4	23.8	24.4	20.8	20.5	20.9	20.5	21.6
Watch and miscellaneous repair shops .....	763,9	210.9	229.7	247.3	208.0	212.6	224.7	204.0	225.0
Motion pictures:									
Motion picture distribution and services .....	782	17.7	12.0	13.7	14.7	14.9	15.0	18.8	20.8
Amusement and recreational services:									
Dance studios, schools, and halls .....	791	19.7	21.3	22.1	22.7	24.6	24.9	25.4	26.4
Producers, orchestras, and entertainers .....	792	114.3	123.0	134.8	137.0	135.9	138.5	138.6	144.3
Commercial sports .....	794	74.3	85.0	91.0	91.9	91.8	91.7	94.7	96.2
Public golf courses .....	7992	26.9	29.5	33.8	35.5	39.7	39.4	46.4	54.4
Coin-operated amusement devices .....	7993	24.7	25.7	27.0	25.7	28.7	35.8	41.1	70.3
Amusement parks .....	7996	67.5	74.2	80.2	87.7	89.3	91.2	93.4	94.9
Amusement and recreation, nec. ....	7999	157.4	174.6	183.0	186.3	208.4	255.4	306.3	320.5
Health services:									
Offices and clinics of osteopathic physicians .....	803	33.2	34.1	35.2	43.1	45.1	45.4	50.1	49.9
Offices and clinics of podiatrists .....	8043	19.9	21.1	22.4	24.3	25.2	25.8	26.7	27.7
Offices and clinics of health practitioners, nec. ....	8049	77.9	93.6	109.6	129.1	148.6	167.4	189.7	211.1
Health and allied services, nec .....	809	196.9	216.1	224.9	234.0	248.7	270.1	280.7	298.0

See footnotes at end of table.

**Table 5. Employment benchmarks for industries not published monthly, March 1988-95—Continued**

(In thousands)

Industry	1987 SIC Code	1988	1989	1990	1991	1992	1993	1994	1995
<b>Services-Continued</b>									
Specialty outpatient clinics, nec. ....	8093	135.9	147.6	154.3	159.6	167.1	179.5	184.3	194.4
Kidney dialysis centers and health and allied services, nec. ....	8092,9	61.0	68.5	70.6	74.4	81.6	90.6	96.4	103.6
<b>Educational services:</b>									
Libraries .....	823	14.4	13.9	14.2	18.4	19.9	14.3	16.2	21.9
Schools and educational services, nec. ....	829	80.4	88.6	97.6	104.6	108.2	113.8	120.1	130.1
<b>Membership organizations:</b>									
Religious organizations .....	866	964.9	1,011.9	1,118.6	1,211.6	1,149.9	1,195.3	1,238.7	1,296.5
Political and membership organizations, nec. ....	865,9	98.3	101.6	93.6	81.1	80.5	96.8	105.5	101.8
<b>Engineering and management services:</b>									
Testing laboratories .....	8734	56.2	64.4	72.2	74.5	79.6	80.5	82.8	88.7
Facilities support services .....	8744	45.6	54.0	56.6	58.8	66.3	66.3	71.7	73.1
Business consulting, nec. ....	8748	49.6	61.8	71.5	80.0	90.5	101.2	116.7	134.6
<b>Government</b> .....		17,654	18,011	18,568	18,717	18,953	19,145	19,411	19,674
<b>Federal:</b>									
Small arms ammunition and ordnance .....		17.0	16.9	19.4	18.1	18.8	16.9	14.1	12.9
Other manufacturing .....		31.5	24.6	29.4	27.1	25.6	22.3	21.1	20.3
Trade .....		81.0	74.5	79.7	79.5	75.3	70.1	66.1	58.7
Finance .....		25.4	23.8	26.6	31.2	33.6	32.8	33.6	27.9
Other services .....		172.8	162.7	164.5	155.7	158.9	152.8	149.1	144.1
All other Federal Government, except Postal Service .....		1,402.0	1,502.2	1,602.2	1,489.3	1,533.1	1,471.4	1,485.4	1,437.2
<b>State:</b>									
Construction .....		169.3	145.5	116.0	85.7	82.5	84.7	88.8	90.4
Transportation and public utilities .....		47.7	46.4	48.6	49.4	48.4	48.7	49.3	49.4
Services .....		2,477.0	2,545.0	2,595.7	2,662.4	2,680.0	2,717.6	2,764.9	2,830.1
Social services .....		184.8	198.9	203.4	212.2	203.7	212.0	217.2	218.5
Services, except hospitals, education, and social services .....		116.1	119.6	121.5	140.5	135.6	138.7	139.3	141.5
<b>Local:</b>									
Services .....		6,969.2	7,128.6	7,328.3	7,467.7	7,569.6	7,718.1	7,864.5	8,032.2
Social services .....		112.7	109.4	104.7	113.5	121.3	123.2	131.3	138.0
Services, except hospitals, education, and social services .....		203.0	214.4	223.3	230.6	239.5	244.5	261.8	278.7
<b>Nonclassifiable establishments</b> .....		178.7	213.6	162.8	127.3	142.5	133.9	130.6	147.1

<sup>1</sup> Not available.

NOTE: N.e.c. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more specifically

identified. This table includes data for totals and some industry divisions which are published regularly.

**Table 6. Seasonal adjustment factors for employees on nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total<sup>1</sup></b>								
<b>Mining<sup>1</sup></b>								
Metal mining .....	.9883	.9965	.9980	1.0137	1.0229	1.0154	1.0089	.9998
Coal mining .....	.9959	.9955	.9921	.9977	1.0055	1.0045	1.0057	.9992
Oil and gas extraction .....	.9810	.9812	.9822	.9963	1.0124	1.0128	1.0062	1.0139
Nonmetallic minerals, except fuels .....	.9544	1.0004	1.0247	1.0367	1.0416	1.0466	1.0382	1.0290
<b>Construction<sup>1 2</sup></b>								
General building contractors .....	.9432	.9680	.9969	1.0297	1.0466	1.0511	1.0359	1.0315
Heavy construction, except building .....	.8793	.9703	1.0401	1.0729	1.0875	1.0946	1.1067	1.1035
Special trade contractors .....	.9303	.9725	1.0075	1.0384	1.0561	1.0609	1.0489	1.0451
<b>Manufacturing<sup>1</sup></b>								
<b>Durable goods<sup>1</sup></b>								
Lumber and wood products .....	.9825	.9844	.9943	1.0098	1.0134	1.0169	1.0168	1.0098
Furniture and fixtures .....	.9986	.9992	.9995	1.0047	.9831	1.0023	1.0023	1.0053
Stone, clay, and glass products .....	.9758	.9982	1.0107	1.0221	1.0172	1.0220	1.0216	1.0155
Primary metal industries .....	.9991	.9992	1.0004	1.0022	.9926	1.0008	1.0031	1.0001
Blast furnaces and basic steel products .....	.9958	.9961	.9977	1.0007	1.0048	1.0077	1.0035	.9971
Fabricated metal products .....	.9988	.9984	1.0006	1.0051	.9909	.9991	1.0023	1.0028
Industrial machinery and equipment .....	1.0022	1.0011	1.0022	1.0052	.9978	.9962	.9989	.9964
Computer and office equipment .....	.9964	.9963	.9971	1.0044	1.0071	1.0005	1.0001	.9989
Electronic and other electrical equipment .....	.9981	.9976	.9979	1.0028	.9943	.9989	1.0007	1.0015
Electronic components and accessories .....	.9983	.9968	.9973	1.0032	1.0007	1.0000	1.0003	1.0003
Transportation equipment .....	1.0019	1.0030	.9999	1.0018	.9860	.9899	1.0014	1.0028
Motor vehicles and equipment .....	1.0004	1.0033	1.0009	1.0057	.9789	.9808	1.0078	1.0044
Aircraft and parts .....	1.0015	1.0022	1.0009	.9988	.9932	.9935	.9977	1.0020
Instruments and related products .....	.9997	.9986	.9996	1.0014	1.0002	1.0012	1.0015	.9996
Miscellaneous manufacturing .....	.9957	.9957	.9982	1.0050	.9831	1.0040	1.0114	1.0189
<b>Nondurable goods<sup>1</sup></b>								
Food and kindred products .....	.9705	.9683	.9780	1.0001	1.0222	1.0497	1.0461	1.0265
Tobacco products .....	.9645	.9435	.9207	.9224	.9179	1.0328	1.0636	1.0589
Textile mill products .....	.9975	1.0018	1.0041	1.0069	.9911	1.0064	1.0036	1.0014
Apparel and other textile products .....	.9965	.9986	1.0052	1.0109	.9763	1.0060	1.0110	1.0088
Paper and allied products .....	.9933	.9942	.9959	1.0080	1.0067	1.0090	1.0050	1.0000
Printing and publishing .....	.9995	.9990	.9993	.9998	.9992	.9993	.9979	.9987
Chemicals and allied products .....	.9971	.9968	.9958	1.0066	1.0055	1.0056	1.0017	.9990
Petroleum and coal products .....	.9776	.9924	1.0050	1.0185	1.0220	1.0252	1.0153	1.0152
Rubber and misc. plastics products .....	1.0006	.9999	1.0037	1.0060	.9922	.9981	1.0012	1.0022
Leather and leather products .....	.9937	.9930	.9968	1.0076	.9506	1.0187	1.0188	1.0144
<b>Transportation and public utilities<sup>1</sup></b>								
<b>Transportation<sup>1</sup></b>								
Railroad transportation .....	.9894	1.0001	1.0089	1.0031	1.0127	1.0103	1.0076	1.0036
Local and interurban passenger transit .....	1.0316	1.0297	1.0351	.9993	.8586	.8488	1.0308	1.0428
Trucking and warehousing .....	.9748	.9815	.9913	1.0078	1.0105	1.0147	1.0127	1.0153
Water transportation .....	.9669	.9844	1.0396	1.0368	1.0573	1.0382	1.0353	.9995
Transportation by air .....	.9954	.9954	1.0030	1.0036	1.0071	1.0064	.9991	.9979
Pipelines, except natural gas .....	.9821	.9925	.9914	1.0124	1.0165	1.0176	1.0090	1.0022
Transportation services .....	1.0018	1.0013	1.0035	1.0043	1.0027	1.0020	.9983	.9985
<b>Communications and public utilities<sup>1</sup></b>								
Communications .....	.9956	.9966	.9956	1.0023	1.0043	1.0038	1.0025	1.0037
Electric, gas, and sanitary services .....	.9931	.9942	.9984	1.0081	1.0109	1.0108	1.0021	.9995
<b>Wholesale trade<sup>1</sup></b>								
Durable goods .....	.9962	.9984	1.0016	1.0066	1.0063	1.0040	.9991	.9991
Nondurable goods .....	.9893	.9947	1.0016	1.0078	1.0073	1.0075	1.0073	1.0077
<b>Retail trade<sup>1</sup></b>								
Building materials and garden supplies .....	.9652	1.0069	1.0379	1.0464	1.0351	1.0247	1.0058	1.0011
General merchandise stores .....	.9620	.9609	.9627	.9759	.9794	.9843	.9926	1.0145
Department stores .....	.9619	.9601	.9611	.9758	.9796	.9838	.9920	1.0150
Food stores .....	.9866	.9894	.9974	1.0070	1.0062	1.0046	1.0012	1.0003
Automotive dealers and service stations .....	.9912	.9961	1.0034	1.0100	1.0118	1.0112	1.0067	1.0023
New and used car dealers .....	.9967	.9975	1.0000	1.0029	1.0048	1.0048	1.0057	1.0034
Apparel and accessory stores .....	.9717	.9746	.9802	.9912	.9920	1.0008	.9849	.9926
Furniture and home furnishings stores .....	.9928	.9916	.9912	.9904	.9892	.9902	.9906	.9998
Eating and drinking places .....	.9811	.9974	1.0205	1.0313	1.0219	1.0281	1.0195	.9958
Miscellaneous retail establishments .....	.9793	.9802	.9908	.9852	.9827	.9862	.9928	1.0048

See footnotes at end of table.

**Table 6. Seasonal adjustment factors for employees on nonfarm payrolls by industry—Continued**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Finance, insurance, and real estate<sup>1</sup></b>								
Finance <sup>1</sup>								
Depository institutions .....	.9968	.9960	.9979	1.0059	1.0080	1.0087	1.0004	.9961
Commercial banks .....	.9961	.9947	.9969	1.0064	1.0094	1.0090	.9998	.9961
Savings institutions .....	.9984	.9991	.9996	1.0048	1.0064	1.0057	.9979	.9957
Nondepository institutions .....	1.0033	1.0005	1.0005	1.0041	1.0032	1.0004	.9969	.9941
Security and commodity brokers .....	.9976	.9963	.9954	1.0043	1.0096	1.0052	.9995	.9967
Holding and other investment offices .....	1.0039	1.0007	.9998	1.0055	1.0064	1.0015	.9972	.9967
Insurance <sup>1</sup>								
Insurance carriers .....	1.0001	.9989	.9987	1.0031	1.0049	1.0039	.9987	.9977
Insurance agents, brokers, and service .....	.9990	.9987	.9992	1.0035	1.0047	1.0031	.9982	.9979
Real estate .....	.9765	.9871	1.0026	1.0286	1.0361	1.0358	1.0113	.9987
<b>Services<sup>1</sup></b>								
Agricultural services .....	.8953	1.0110	1.0883	1.1155	1.1090	1.0923	1.0565	1.0382
Hotels and other lodging places .....	.9617	.9714	1.0077	1.0558	1.0821	1.0863	1.0306	1.0013
Personal services .....	1.0544	1.0498	.9856	.9766	.9655	.9638	.9735	.9752
Business services .....	.9839	.9878	.9927	1.0014	1.0026	1.0109	1.0149	1.0220
Services to buildings .....	.9927	.9956	1.0000	1.0095	1.0064	1.0102	1.0042	1.0009
Personnel supply services .....	.9674	.9773	.9847	.9955	1.0015	1.0224	1.0362	1.0512
Help supply services .....	.9661	.9758	.9835	.9934	1.0019	1.0232	1.0385	1.0539
Computer and data processing services .....	1.0031	1.0006	.9968	.9999	.9997	1.0008	.9987	.9973
Auto repair, services, and parking .....	.9989	1.0004	1.0027	1.0099	1.0084	1.0061	1.0046	.9990
Miscellaneous repair services .....	.9925	.9970	1.0038	1.0077	1.0124	1.0091	1.0035	1.0061
Motion pictures .....	1.0094	1.0088	1.0027	1.0091	1.0119	1.0313	.9793	.9764
Amusement and recreation services .....	.9189	.9874	1.0467	1.1550	1.1725	1.1651	1.0555	.9663
Health services .....	.9985	.9979	.9976	1.0022	1.0034	1.0030	.9992	1.0002
Offices and clinics of medical doctors .....	.9978	.9970	.9968	1.0023	1.0036	1.0057	1.0000	1.0004
Nursing and personal care facilities .....	.9979	.9965	.9959	1.0009	1.0031	1.0043	1.0014	1.0013
Hospitals .....	.9989	.9982	.9980	1.0025	1.0042	1.0023	.9987	.9994
Home health care services .....	.9949	.9936	1.0009	1.0037	1.0019	.9993	1.0048	1.0043
Legal services .....	.9964	.9953	.9941	1.0161	1.0148	1.0058	.9928	.9951
Educational services .....	1.0630	1.0625	1.0190	.9105	.8704	.8578	.9801	1.0656
Social services .....	1.0053	1.0052	1.0088	.9975	.9908	.9841	.9924	1.0029
Child day care services .....	1.0255	1.0288	1.0332	.9748	.9065	.9067	1.0111	1.0232
Residential care .....	.9975	.9958	1.0001	1.0088	1.0092	1.0085	.9951	.9959
Museums and botanical and zoological gardens .....	.9345	.9778	1.0251	1.0814	1.0914	1.0788	1.0311	1.0134
Membership organizations .....	.9935	.9943	.9984	1.0158	1.0302	1.0163	.9921	.9958
Engineering and management services .....	1.0037	1.0048	.9973	1.0047	1.0084	1.0050	.9955	.9967
Engineering and architectural services .....	.9885	.9923	1.0004	1.0108	1.0167	1.0170	1.0045	1.0029
Management and public relations .....	.9963	.9997	1.0006	1.0090	1.0109	1.0080	1.0041	1.0019
Services, nec .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
<b>Government<sup>1</sup></b>								
Federal <sup>1</sup>								
Postal Service .....	.9963	.9950	.9938	1.0014	.9946	.9949	.9909	.9966
Federal, except Postal Service .....	.9965	.9972	1.0013	1.0131	1.0151	1.0119	1.0038	.9944
State <sup>1</sup>								
Education .....	1.0754	1.0714	1.0299	.9078	.8457	.8488	.9618	1.0680
Other State government .....	.9950	.9957	.9991	1.0134	1.0200	1.0104	1.0008	.9955
Local <sup>1</sup>								
Education .....	1.0575	1.0527	1.0587	1.0042	.8285	.8153	.9740	1.0373
Other local government .....	.9827	.9845	.9918	1.0282	1.0561	1.0375	.9981	.9866

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

<sup>2</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

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

precision.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.



**Table 7. Seasonal adjustment factors for women employees on nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total<sup>1</sup></b>								
<b>Mining</b> .....	.9877	.9882	.9839	1.0113	1.0196	1.0139	1.0084	1.0058
<b>Construction<sup>2</sup></b> .....	.9774	.9880	.9980	1.0146	1.0216	1.0211	1.0181	1.0148
<b>Manufacturing<sup>1</sup></b>								
<b>Durable goods<sup>1</sup></b>								
Lumber and wood products .....	.9833	.9902	1.0004	1.0085	1.0052	1.0108	1.0104	1.0086
Furniture and fixtures .....	.9998	1.0021	1.0031	1.0056	.9721	.9938	.9976	1.0034
Stone, clay, and glass products .....	.9871	.9895	1.0014	1.0140	.9989	1.0107	1.0189	1.0118
Primary metal industries .....	.9958	.9981	1.0053	1.0023	.9988	1.0033	1.0022	.9984
Fabricated metal products .....	.9989	.9990	1.0000	1.0065	.9874	.9982	1.0035	1.0021
Industrial machinery and equipment .....	1.0013	1.0018	1.0025	1.0058	.9965	.9965	.9960	.9969
Electronic and other electrical equipment .....	.9978	.9972	1.0002	1.0010	.9916	.9988	1.0001	1.0023
Transportation equipment .....	.9967	.9995	1.0028	1.0020	.9914	.9926	1.0023	1.0009
Instruments and related products .....	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Miscellaneous manufacturing .....	.9930	.9954	.9980	1.0052	.9766	1.0054	1.0168	1.0265
<b>Nondurable goods<sup>1</sup></b>								
Food and kindred products .....	.9553	.9542	.9608	.9913	1.0279	1.0763	1.0732	1.0413
Tobacco products .....	.9623	.9194	.8575	.8712	.8723	1.0841	1.1103	1.0931
Textile mill products .....	.9957	1.0005	1.0051	1.0064	.9919	1.0095	1.0072	1.0046
Apparel and other textile products .....	.9947	.9983	1.0057	1.0109	.9713	1.0089	1.0123	1.0098
Paper and allied products .....	.9883	.9922	.9929	1.0104	1.0133	1.0169	1.0080	1.0027
Printing and publishing .....	1.0011	1.0006	.9998	1.0004	.9986	.9965	.9954	.9968
Chemicals and allied products .....	.9945	.9933	.9957	1.0091	1.0058	1.0068	1.0033	1.0001
Petroleum and coal products .....	.9787	.9844	.9826	1.0146	1.0240	1.0299	1.0093	1.0095
Rubber and misc. plastics products .....	1.0006	1.0001	1.0003	1.0102	.9832	.9979	.9990	1.0050
Leather and leather products <sup>4</sup> .....	.9905	.9917	.9990	1.0052	.9696	1.0159	1.0205	1.0183
<b>Transportation and public utilities</b> .....	.9982	.9977	1.0024	1.0033	.9888	.9878	1.0052	1.0065
<b>Wholesale trade</b> .....	.9941	.9950	1.0009	1.0025	1.0009	.9999	1.0026	1.0060
<b>Retail trade</b> .....	.9738	.9830	.9975	1.0061	1.0010	1.0057	1.0040	1.0034
<b>Finance, insurance, and real estate</b> .....	.9972	.9974	.9986	1.0065	1.0087	1.0083	.9993	.9966
<b>Services</b> .....	.9989	1.0019	1.0019	1.0034	1.0010	1.0004	1.0018	1.0060
<b>Government<sup>1</sup></b>								
Federal .....	.9953	.9957	.9985	1.0098	1.0094	1.0082	1.0032	.9950
State .....	1.0295	1.0291	1.0160	.9693	.9428	.9378	.9823	1.0241
Local .....	1.0343	1.0320	1.0381	1.0125	.8929	.8784	.9800	1.0219

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

<sup>2</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

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

<sup>4</sup> No ARIMA models were identified to extend the unadjusted

series for one year. Factors shown are projected using X-12 without the ARIMA option and without an adjustment to control for the effects of a 4- vs. 5-week interval between surveys.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 8. Seasonal adjustment factors for production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total private<sup>2</sup></b>								
<b>Mining</b> .....	.9747	.9849	.9907	1.0065	1.0205	1.0209	1.0182	1.0181
<b>Construction<sup>3</sup></b> .....	.9069	.9633	1.0133	1.0509	1.0722	1.0793	1.0697	1.0661
<b>Manufacturing<sup>2</sup></b>								
<b>Durable goods<sup>2</sup></b>								
Lumber and wood products .....	.9789	.9822	.9924	1.0123	1.0139	1.0201	1.0209	1.0119
Furniture and fixtures .....	1.0009	.9990	.9951	1.0046	.9771	1.0011	1.0041	1.0052
Stone, clay, and glass products .....	.9709	.9967	1.0146	1.0262	1.0206	1.0261	1.0263	1.0194
Primary metal industries .....	1.0004	1.0008	1.0013	1.0020	.9885	.9977	1.0021	.9997
Blast furnaces and basic steel products .....	.9954	.9952	.9948	1.0016	1.0046	1.0052	1.0040	.9968
Fabricated metal products .....	.9989	.9994	1.0024	1.0049	.9862	.9963	1.0038	1.0036
Industrial machinery and equipment .....	1.0054	1.0030	1.0031	1.0056	.9936	.9904	.9999	.9957
Electronic and other electrical equipment .....	.9999	.9983	.9980	1.0036	.9888	.9954	.9994	1.0023
Transportation equipment .....	1.0040	1.0073	1.0120	1.0037	.9797	.9866	1.0003	1.0003
Motor vehicles and equipment .....	1.0055	1.0096	1.0014	1.0035	.9734	.9812	.9949	1.0021
Instruments and related products .....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )
Miscellaneous manufacturing .....	.9948	.9970	.9975	1.0037	.9800	1.0065	1.0170	1.0239
<b>Nondurable goods<sup>2</sup></b>								
Food and kindred products .....	.9645	.9607	.9701	.9969	1.0248	1.0643	1.0598	1.0334
Tobacco products .....	.9574	.9290	.8889	.8937	.8882	1.0474	1.0876	1.0798
Textile mill products .....	.9972	1.0019	1.0039	1.0083	.9889	1.0060	1.0052	1.0014
Apparel and other textile products .....	.9987	1.0001	1.0061	1.0113	.9688	1.0065	1.0110	1.0109
Paper and allied products .....	.9919	.9932	.9971	1.0105	1.0076	1.0110	1.0067	1.0002
Printing and publishing .....	1.0011	1.0012	.9994	.9989	.9967	.9993	.9973	.9970
Chemicals and allied products .....	.9974	.9972	.9950	1.0066	1.0031	1.0067	1.0025	.9996
Petroleum and coal products .....	.9685	.9922	1.0106	1.0269	1.0299	1.0344	1.0215	1.0216
Rubber and misc. plastics products .....	1.0012	1.0004	1.0017	1.0083	.9872	.9987	1.0001	1.0036
Leather and leather products .....	.9940	.9948	1.0000	1.0090	.9481	1.0187	1.0169	1.0156
<b>Transportation and public utilities</b> .....	.9897	.9925	1.0017	1.0072	.9989	.9991	1.0088	1.0102
<b>Wholesale trade</b> .....	.9918	.9959	1.0009	1.0080	1.0087	1.0073	1.0035	1.0037
<b>Retail trade</b> .....	.9766	.9861	1.0012	1.0098	1.0060	1.0089	1.0048	1.0010
<b>Finance, insurance, and real estate</b> .....	.9922	.9944	.9991	1.0120	1.0164	1.0151	1.0016	.9964
<b>Services</b> .....	.9942	1.0008	1.0035	1.0091	1.0097	1.0076	1.0037	1.0062

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

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

<sup>3</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

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

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 9. Seasonal adjustment factors for average weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total private<sup>2</sup></b>								
<b>Goods-producing<sup>2</sup></b>								
<b>Mining</b> .....	0.9856	.9987	1.0006	1.0033	.9973	1.0104	1.0169	1.0116
<b>Construction<sup>3</sup></b> .....	.9836	.9927	1.0195	1.0228	1.0286	1.0274	1.0324	1.0252
<b>Manufacturing<sup>2</sup></b>								
<b>Durable goods<sup>2</sup></b>								
Lumber and wood products .....	.9940	.9992	1.0041	1.0085	.9910	1.0111	1.0138	1.0140
Furniture and fixtures .....	.9894	.9868	.9839	.9995	.9873	1.0118	1.0215	1.0165
Stone, clay, and glass products .....	.9879	.9960	1.0086	1.0133	1.0063	1.0184	1.0234	1.0166
Primary metal industries .....	.9988	.9927	.9956	1.0034	.9904	.9917	1.0057	.9984
Blast furnaces and basic steel products <sup>4</sup> .....	.9960	.9981	.9970	1.0005	1.0019	.9953	1.0085	.9947
Fabricated metal products .....	.9977	.9872	.9939	1.0015	.9802	1.0032	1.0149	1.0094
Industrial machinery and equipment .....	1.0072	.9912	.9959	1.0004	.9879	.9927	1.0064	1.0007
Electronic and other electrical equipment .....	.9989	.9909	.9947	.9994	.9827	.9965	1.0106	1.0063
Transportation equipment .....	1.0025	.9878	.9991	1.0014	.9715	.9918	1.0092	1.0093
Motor vehicles and equipment .....	1.0053	.9858	.9868	1.0005	.9538	.9797	1.0092	1.0104
Instruments and related products .....	1.0046	.9968	.9982	1.0019	.9899	.9963	1.0036	.9995
Miscellaneous manufacturing .....	1.0021	.9942	.9920	.9982	.9800	1.0032	1.0116	1.0136
<b>Nondurable goods<sup>2</sup></b>								
Food and kindred products .....	.9840	.9810	.9897	.9962	1.0041	1.0211	1.0313	1.0119
Tobacco products .....	.9755	.9762	1.0140	1.0440	.9837	1.0077	1.0316	1.0407
Textile mill products .....	.9980	.9952	.9988	1.0105	.9847	1.0102	1.0123	1.0056
Apparel and other textile products .....	1.0022	.9961	1.0034	1.0075	.9922	1.0067	1.0040	1.0055
Paper and allied products <sup>5</sup> .....	.9925	.9881	.9907	.9983	.9962	1.0012	1.0097	1.0064
Printing and publishing .....	1.0011	.9938	.9931	.9938	.9934	1.0059	1.0113	1.0079
Chemicals and allied products <sup>4</sup> .....	1.0003	.9974	.9951	.9990	.9925	.9907	1.0055	1.0003
Petroleum and coal products .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
Rubber and misc. plastics products .....	.9990	.9903	1.0050	1.0060	.9818	1.0035	1.0106	1.0043
Leather and leather products .....	.9974	.9977	.9982	1.0145	.9851	1.0031	1.0067	1.0118
<b>Service-producing<sup>2</sup></b>								
<b>Transportation and public utilities<sup>7</sup></b> .....	.9901	.9944	1.0027	1.0030	1.0107	1.0106	1.0037	1.0045
<b>Wholesale trade<sup>3</sup></b> .....	.9950	.9988	1.0038	1.0029	1.0029	1.0019	1.0014	1.0049
<b>Retail trade<sup>4</sup></b> .....	.9851	.9915	.9975	1.0125	1.0294	1.0245	1.0046	.9993
<b>Finance, insurance, and real estate</b> .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )
<b>Services</b> .....	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )	( <sup>6</sup> )

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

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

<sup>3</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

<sup>4</sup> No moving-holiday adjustment was done for April or September because there was no evidence of significant effects associated with the relative timing of Easter or Labor Day, respectively, and the reference period of the payroll survey.

<sup>5</sup> No moving-holiday adjustment was done for September because there was no evidence of significant effects associated

with the relative timing of Labor Day and the reference period of the payroll survey.

<sup>6</sup> Seasonal adjustment factors are not computed because the seasonal component, which is small relative to the trend-cycle and irregular components, cannot be separated with sufficient precision.

<sup>7</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-12 without the ARIMA option and without an adjustment to control for the effects of a 4- vs. 5-week interval between surveys.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 10. Seasonal adjustment factors for average weekly overtime hours of production workers on manufacturing payrolls**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Manufacturing<sup>1</sup></b>								
<b>Durable goods</b> .....	.9810	.9114	.9249	.9891	.9377	1.0333	1.0971	1.0517
<b>Nondurable goods</b> .....	.9469	.9140	.9441	.9862	1.0070	1.0872	1.1380	1.0685

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

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this

publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

**Table 11. Seasonal adjustment factors for average hourly earnings of production or nonsupervisory workers<sup>1</sup> on private nonfarm payrolls by industry**

Industry	1996							
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>Total private<sup>2</sup></b>								
<b>Goods-producing<sup>2</sup></b>								
<b>Mining</b> .....	1.0031	1.0071	.9985	.9989	.9969	.9917	1.0032	.9927
<b>Construction<sup>3</sup></b> .....	.9928	.9942	.9977	.9945	1.0013	1.0036	1.0112	1.0109
<b>Manufacturing</b> .....	.9991	.9993	.9995	.9981	.9997	.9933	.9998	.9972
<b>Excluding overtime</b> .....	1.0022	1.0019	1.0021	.9984	1.0012	.9914	.9965	.9957
<b>Service-producing<sup>2</sup></b>								
<b>Transportation and public utilities</b> .....	.9973	1.0000	.9951	.9941	.9992	.9962	1.0036	1.0044
<b>Wholesale trade<sup>4</sup></b> .....	.9977	1.0041	1.0007	.9951	.9992	.9953	.9999	1.0002
<b>Retail trade</b> .....	1.0021	1.0029	.9993	.9963	.9944	.9929	1.0032	1.0017
<b>Finance, insurance, and real estate</b> .....	1.0046	1.0091	.9992	.9925	.9940	.9901	.9958	1.0010
<b>Services</b> .....	1.0047	1.0058	.9991	.9900	.9865	.9845	1.0002	1.0020

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

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

<sup>3</sup> No adjustment was made to control for the effects of a 4- vs. 5-week interval between surveys.

<sup>4</sup> No ARIMA models were identified to extend the unadjusted series for one year. Factors shown are projected using X-12 without the ARIMA option and without an adjustment to control for the effects of a 4- vs. 5-week interval between surveys.

NOTE: Factors for March-April 1996 have been revised and replace those published in the December 1995 issue of this publication. All factors are multiplicative. Seasonally adjusted series are computed by dividing the original value by the corresponding seasonal factor.

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

(Numbers in thousands)

Category	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>Labor force status</b>													
Civilian noninstitutional population .....	198,286	198,453	198,615	198,801	199,005	199,192	199,355	199,508	199,634	199,773	199,921	200,101	200,278
Civilian labor force .....	132,058	131,962	132,342	132,298	132,501	132,473	132,471	132,352	132,903	133,018	133,655	133,361	133,910
Percent of population .....	66.6	66.5	66.6	66.5	66.6	66.5	66.4	66.3	66.6	66.6	66.9	66.6	66.9
Employed .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
Percent of population .....	62.8	62.8	62.9	62.8	62.8	62.9	62.7	62.6	62.7	62.9	63.1	63.0	63.1
Unemployed .....	7,460	7,396	7,510	7,439	7,465	7,229	7,409	7,371	7,677	7,355	7,504	7,266	7,448
Not in labor force .....	66,228	66,491	66,273	66,503	66,504	66,719	66,884	67,156	66,730	66,754	66,266	66,741	66,368
<b>Unemployment rates</b>													
All workers .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6
Men, 20 years and over .....	5.0	4.8	4.8	4.8	4.8	4.5	4.9	4.8	4.9	4.9	5.0	4.8	4.8
Women, 20 years and over .....	4.9	5.0	5.0	4.9	4.9	5.0	4.8	4.7	5.1	4.8	4.8	4.7	5.0
Both sexes, 16 to 19 years .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4
White .....	5.0	4.9	4.9	4.8	4.9	4.8	5.0	4.9	5.0	4.9	4.8	4.7	4.9
Black .....	10.0	10.5	10.8	11.0	11.1	10.0	9.6	10.2	10.6	10.3	11.1	10.5	10.2
Hispanic origin .....	9.5	9.1	9.0	9.6	9.1	9.3	9.3	9.3	9.2	9.7	10.0	9.7	9.2

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

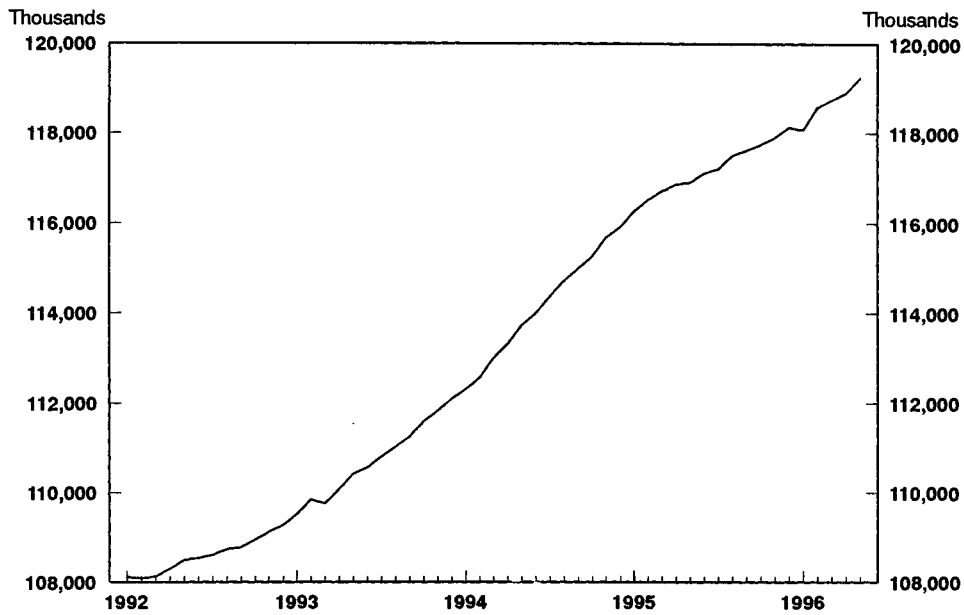
(Numbers in thousands)

Industry	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr. <sup>P</sup>	May <sup>P</sup>
<b>Employment</b>													
Total .....	116,907	117,100	117,201	117,499	117,623	117,749	117,899	118,136	118,070	118,579	118,737	118,900	119,248
Total private .....	97,618	97,799	97,881	98,130	98,298	98,410	98,561	98,789	98,734	99,214	99,343	99,501	99,806
Goods-producing industries .....	24,217	24,212	24,171	24,179	24,176	24,151	24,133	24,160	24,112	24,254	24,196	24,203	24,238
Mining .....	582	580	578	576	574	573	569	570	569	573	574	574	575
Construction .....	5,116	5,139	5,148	5,164	5,187	5,200	5,211	5,223	5,234	5,349	5,340	5,351	5,379
Manufacturing .....	18,519	18,493	18,447	18,439	18,415	18,378	18,353	18,367	18,309	18,332	18,282	18,278	18,284
Service-producing industries .....	92,690	92,888	93,030	93,320	93,447	93,598	93,766	93,976	93,958	94,325	94,541	94,697	95,010
Transportation and public utilities .....	6,139	6,152	6,160	6,167	6,194	6,212	6,233	6,249	6,254	6,270	6,289	6,288	6,305
Wholesale trade .....	6,389	6,408	6,427	6,437	6,451	6,465	6,478	6,498	6,512	6,529	6,548	6,552	6,558
Retail trade .....	21,119	21,179	21,196	21,225	21,258	21,263	21,300	21,334	21,268	21,340	21,343	21,418	21,464
Finance, insurance, and real estate .....	6,807	6,810	6,821	6,833	6,842	6,859	6,871	6,887	6,894	6,919	6,932	6,940	6,960
Services .....	32,947	33,038	33,106	33,269	33,377	33,460	33,546	33,661	33,694	33,902	34,035	34,100	34,281
Government .....	19,289	19,301	19,320	19,369	19,325	19,339	19,338	19,347	19,336	19,365	19,394	19,399	19,442
<b>Over-the-month change</b>													
Total .....	46	193	101	298	124	126	150	237	-66	509	158	163	348
Total private .....	46	181	82	249	168	112	151	228	-55	480	129	158	305
Goods-producing industries .....	-59	-5	-41	8	-3	-25	-18	27	-48	142	-58	7	35
Mining .....	-3	-2	-2	-2	-2	-1	-4	1	-1	4	1	0	1
Construction .....	-20	23	7	18	23	13	11	12	11	115	-9	11	28
Manufacturing .....	-36	-26	-46	-8	-24	-37	-25	14	-58	23	-50	-4	6
Service-producing industries .....	105	198	142	290	127	151	168	210	-18	367	216	156	313
Transportation and public utilities .....	5	13	8	27	7	18	21	16	5	16	19	-1	17
Wholesale trade .....	15	19	19	10	14	14	13	20	14	17	19	4	6
Retail trade .....	4	60	17	29	33	5	37	34	-66	72	3	75	46
Finance, insurance, and real estate .....	1	3	11	12	9	17	12	16	7	25	13	8	20
Services .....	80	91	68	163	108	83	86	115	33	208	133	65	181
Government .....	0	12	19	49	-44	14	-1	9	-11	29	29	5	43
<b>Hours of work<sup>1</sup></b>													
Total private .....	34.2	34.4	34.5	34.4	34.4	34.5	34.4	34.3	33.8	34.5	34.5	34.3	34.3
Manufacturing .....	41.5	41.5	41.3	41.5	41.5	41.4	41.5	41.2	40.0	41.4	41.4	41.5	41.7
Overtime .....	4.3	4.2	4.2	4.3	4.4	4.3	4.3	4.2	4.1	4.3	4.3	4.6	4.6
<b>Indexes of aggregate weekly hours (1982 = 100)<sup>1</sup></b>													
Total private .....	131.9	133.2	133.5	133.4	134.0	134.3	134.3	134.3	131.7	135.5	135.5	135.2	135.4
Manufacturing .....	107.3	107.1	106.2	106.9	106.6	106.2	106.1	105.6	102.0	105.9	105.2	105.7	106.2
<b>Earnings<sup>1</sup></b>													
Average hourly earnings, total private:													
Current dollars .....	\$11.36	\$11.43	\$11.47	\$11.46	\$11.52	\$11.55	\$11.59	\$11.61	\$11.62	\$11.65	\$11.68	\$11.72	\$11.75
Constant (1982) dollars <sup>2</sup> .....	7.36	7.39	7.41	7.39	7.42	7.42	7.44	7.44	7.41	7.42	7.40	7.40	N.A.
Average weekly earnings, total private .....	388.51	393.19	395.72	394.22	396.29	398.48	398.70	398.22	392.76	401.93	402.96	402.00	\$403.03

<sup>1</sup> Data relate to private production or nonsupervisory workers.  
<sup>2</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.  
 N.A. = not available.

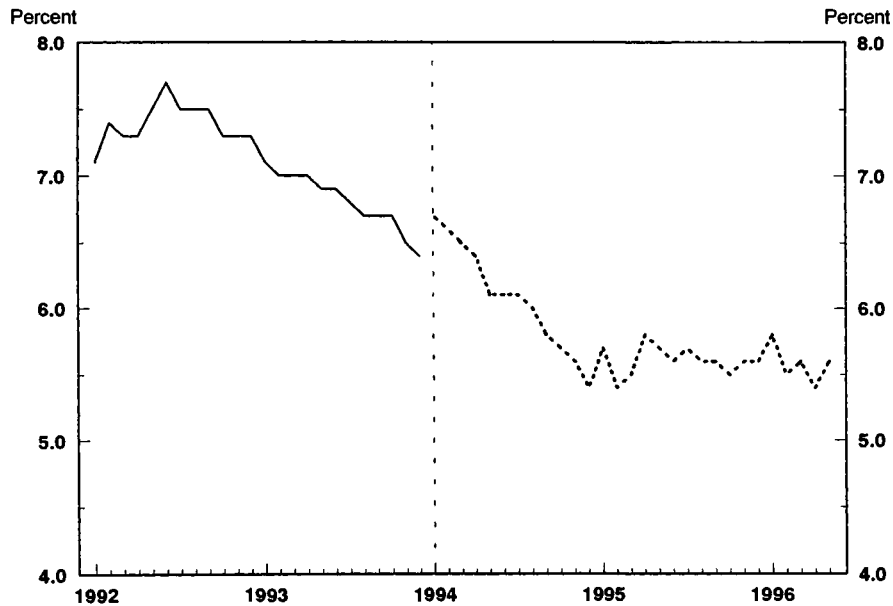
<sup>P</sup> = preliminary.  
 NOTE: Data have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors.

**Chart 1. Nonfarm payroll employment, seasonally adjusted, 1992-96**



NOTE: Data have been revised to reflect March 1995 benchmarks, new seasonal adjustment procedures, and updated seasonal adjustment factors.

**Chart 2. Unemployment rate, seasonally adjusted, 1992-96**



NOTE: Beginning in 1994, household data reflect the introduction of a major redesign of the Current Population Survey questionnaire and collection methodology and are not directly comparable with data for prior years. Moreover, beginning in 1990, these data reflect 1990 census-based population controls, adjusted for the estimated undercount.

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the civilian noninstitutional population 16 years and over, 1962 to date**

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Number	Percent of population	Employed				Unemployed		
				Number	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>Annual averages</b>										
1962 <sup>1</sup> .....	120,153	70,614	58.8	66,702	55.5	4,944	61,759	3,911	5.5	49,539
1963 .....	122,416	71,833	58.7	67,762	55.4	4,687	63,076	4,070	5.7	50,583
1964 .....	124,485	73,091	58.7	69,305	55.7	4,523	64,782	3,786	5.2	51,394
1965 .....	126,513	74,455	58.9	71,088	56.2	4,361	66,726	3,366	4.5	52,058
1966 .....	128,058	75,770	59.2	72,895	56.9	3,979	68,915	2,875	3.8	52,288
1967 .....	129,874	77,347	59.6	74,372	57.3	3,844	70,527	2,975	3.8	52,527
1968 .....	132,028	78,737	59.6	75,920	57.5	3,817	72,103	2,817	3.6	53,291
1969 .....	134,335	80,734	60.1	77,902	58.0	3,606	74,296	2,832	3.5	53,602
1970 .....	137,085	82,771	60.4	78,678	57.4	3,463	75,215	4,093	4.9	54,315
1971 .....	140,216	84,382	60.2	79,367	56.6	3,394	75,972	5,016	5.9	55,834
1972 <sup>1</sup> .....	144,126	87,034	60.4	82,153	57.0	3,484	78,669	4,882	5.6	57,091
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	57.8	3,470	81,594	4,365	4.9	57,667
1974 .....	150,120	91,949	61.3	86,794	57.8	3,515	83,279	5,156	5.6	58,171
1975 .....	153,153	93,775	61.2	85,846	56.1	3,408	82,438	7,929	8.5	59,377
1976 .....	156,150	96,158	61.6	88,752	56.8	3,331	85,421	7,406	7.7	59,991
1977 .....	159,033	99,009	62.3	92,017	57.9	3,283	88,734	6,991	7.1	60,025
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	59.3	3,387	92,661	6,202	6.1	59,659
1979 .....	164,863	104,962	63.7	98,824	59.9	3,347	95,477	6,137	5.8	59,900
1980 .....	167,745	106,940	63.8	99,303	59.2	3,364	95,938	7,637	7.1	60,806
1981 .....	170,130	108,670	63.9	100,397	59.0	3,368	97,030	8,273	7.6	61,460
1982 .....	172,271	110,204	64.0	99,526	57.8	3,401	96,125	10,678	9.7	62,067
1983 .....	174,215	111,550	64.0	100,834	57.9	3,383	97,450	10,717	9.6	62,665
1984 .....	176,383	113,544	64.4	105,005	59.5	3,321	101,685	8,539	7.5	62,839
1985 .....	178,206	115,461	64.8	107,150	60.1	3,179	103,971	8,312	7.2	62,744
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	60.7	3,163	106,434	8,237	7.0	62,752
1987 .....	182,753	119,865	65.6	112,440	61.5	3,208	109,232	7,425	6.2	62,888
1988 .....	184,613	121,669	65.9	114,968	62.3	3,169	111,800	6,701	5.5	62,944
1989 .....	186,393	123,869	66.5	117,342	63.0	3,199	114,142	6,528	5.3	62,523
1990 <sup>2</sup> .....	189,164	125,840	66.5	118,793	62.8	3,223	115,570	7,047	5.6	63,324
1991 .....	190,925	126,346	66.2	117,718	61.7	3,269	114,449	8,628	6.8	64,578
1992 .....	192,805	128,105	66.4	118,492	61.5	3,247	115,245	9,613	7.5	64,700
1993 .....	194,838	129,200	66.3	120,259	61.7	3,115	117,144	8,940	6.9	65,638
1994 <sup>2</sup> .....	196,814	131,056	66.6	123,060	62.5	3,409	119,651	7,996	6.1	65,758
1995 .....	198,584	132,304	66.6	124,900	62.9	3,440	121,460	7,404	5.6	66,280
<b>Monthly data, seasonally adjusted<sup>3</sup></b>										
<b>1995:</b>										
May .....	198,286	132,058	66.6	124,598	62.8	3,360	121,238	7,460	5.6	66,228
June .....	198,453	131,962	66.5	124,566	62.8	3,435	121,131	7,396	5.6	66,491
July .....	198,615	132,342	66.6	124,832	62.9	3,409	121,423	7,510	5.7	66,273
August .....	198,801	132,298	66.5	124,859	62.8	3,376	121,483	7,439	5.6	66,503
September .....	199,005	132,501	66.6	125,036	62.8	3,335	121,701	7,465	5.6	66,504
October .....	199,192	132,473	66.5	125,244	62.9	3,434	121,810	7,229	5.5	66,719
November .....	199,355	132,471	66.4	125,062	62.7	3,323	121,739	7,409	5.6	66,884
December .....	199,508	132,352	66.3	124,981	62.6	3,325	121,656	7,371	5.6	67,156
<b>1996:</b>										
January .....	199,634	132,903	66.6	125,226	62.7	3,529	121,698	7,677	5.8	66,730
February .....	199,773	133,018	66.6	125,663	62.9	3,519	122,143	7,355	5.5	66,754
March .....	199,921	133,655	66.9	126,151	63.1	3,487	122,664	7,504	5.6	66,266
April .....	200,101	133,361	66.6	126,095	63.0	3,368	122,726	7,266	5.4	66,741
May .....	200,278	133,910	66.9	126,462	63.1	3,491	122,971	7,448	5.6	66,368

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

<sup>2</sup> Data, beginning in 1994, are not strictly comparable with data for 1993 and prior years because of the introduction of a major redesign of the Current Population Survey (household survey) questionnaire and collection methodology. For additional information, see "Revisions in the Current

Population Survey Effective January 1994" in the February 1994 issue of this publication. Beginning in 1990, data incorporate 1990 census-based population controls, adjusted for the estimated undercount. For additional information, see "Revisions in Household Survey Data Effective February 1996" in the March 1996 issue of this publication.

<sup>3</sup> The population figures are not adjusted for seasonal variation.

**A-2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1985 to date**

(Numbers in thousands)

Sex, year, and month	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Number	Percent of population	Employed				Unemployed		
				Number	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>Annual averages</b>										
<b>MEN</b>										
1985 .....	84,469	64,411	76.3	59,891	70.9	2,535	57,356	4,521	7.0	20,058
1986 <sup>1</sup> .....	85,798	65,422	76.3	60,892	71.0	2,511	58,381	4,530	6.9	20,376
1987 .....	86,899	66,207	76.2	62,107	71.5	2,543	59,564	4,101	6.2	20,692
1988 .....	87,857	66,927	76.2	63,273	72.0	2,493	60,780	3,655	5.5	20,930
1989 .....	88,762	67,840	76.4	64,315	72.5	2,513	61,802	3,525	5.2	20,923
1990 <sup>2</sup> .....	90,377	69,011	76.4	65,104	72.0	2,546	62,559	3,906	5.7	21,367
1991 .....	91,278	69,168	75.8	64,223	70.4	2,589	61,634	4,946	7.2	22,110
1992 .....	92,270	69,964	75.8	64,440	69.8	2,575	61,866	5,523	7.9	22,306
1993 .....	93,332	70,404	75.4	65,349	70.0	2,478	62,871	5,055	7.2	22,927
1994 <sup>2</sup> .....	94,355	70,817	75.1	66,450	70.4	2,554	63,896	4,367	6.2	23,538
1995 .....	95,178	71,360	75.0	67,377	70.8	2,559	64,818	3,983	5.6	23,818
<b>Monthly data, seasonally adjusted<sup>3</sup></b>										
<b>1995:</b>										
May .....	95,024	71,307	75.0	67,241	70.8	2,477	64,764	4,066	5.7	23,717
June .....	95,110	71,341	75.0	67,366	70.8	2,567	64,799	3,975	5.6	23,769
July .....	95,191	71,329	74.9	67,342	70.7	2,554	64,788	3,987	5.6	23,862
August .....	95,287	71,259	74.8	67,248	70.6	2,516	64,732	4,011	5.6	24,028
September .....	95,397	71,348	74.8	67,328	70.6	2,506	64,822	4,020	5.6	24,049
October .....	95,492	71,238	74.6	67,416	70.6	2,562	64,854	3,822	5.4	24,254
November .....	95,580	71,208	74.5	67,177	70.3	2,462	64,715	4,031	5.7	24,372
December .....	95,661	71,182	74.4	67,162	70.2	2,445	64,717	4,020	5.6	24,479
<b>1996:</b>										
January .....	95,713	71,593	74.8	67,501	70.5	2,619	64,881	4,092	5.7	24,120
February .....	95,786	71,743	74.9	67,764	70.7	2,617	65,147	3,979	5.5	24,043
March .....	95,864	72,030	75.1	67,856	70.8	2,590	65,266	4,174	5.8	23,834
April .....	95,955	71,935	75.0	67,933	70.8	2,519	65,414	4,002	5.6	24,020
May .....	96,048	72,241	75.2	68,278	71.1	2,599	65,678	3,964	5.5	23,807
<b>Annual averages</b>										
<b>WOMEN</b>										
1985 .....	93,736	51,050	54.5	47,259	50.4	644	46,615	3,791	7.4	42,686
1986 <sup>1</sup> .....	94,789	52,413	55.3	48,706	51.4	652	48,054	3,707	7.1	42,376
1987 .....	95,853	53,658	56.0	50,334	52.5	666	49,668	3,324	6.2	42,195
1988 .....	96,756	54,742	56.6	51,696	53.4	676	51,020	3,046	5.6	42,014
1989 .....	97,830	56,030	57.4	53,027	54.3	687	52,341	3,003	5.4	41,601
1990 <sup>2</sup> .....	98,787	56,829	57.5	53,689	54.3	678	53,011	3,140	5.5	41,957
1991 .....	99,646	57,178	57.4	53,496	53.7	680	52,815	3,683	6.4	42,468
1992 .....	100,535	58,141	57.8	54,052	53.8	672	53,380	4,090	7.0	42,394
1993 .....	101,506	58,795	57.9	54,910	54.1	637	54,273	3,885	6.6	42,711
1994 <sup>2</sup> .....	102,460	60,239	58.8	56,610	55.3	855	55,755	3,629	6.0	42,221
1995 .....	103,406	60,944	58.9	57,523	55.6	881	56,642	3,421	5.6	42,462
<b>Monthly data, seasonally adjusted<sup>3</sup></b>										
<b>1995:</b>										
May .....	103,263	60,751	58.8	57,357	55.5	883	56,474	3,394	5.6	42,512
June .....	103,342	60,621	58.7	57,200	55.3	868	56,332	3,421	5.6	42,721
July .....	103,424	61,013	59.0	57,490	55.6	855	56,635	3,523	5.8	42,411
August .....	103,514	61,039	59.0	57,611	55.7	860	56,751	3,428	5.6	42,475
September .....	103,608	61,153	59.0	57,708	55.7	829	56,879	3,445	5.6	42,455
October .....	103,700	61,235	59.1	57,828	55.8	872	56,956	3,407	5.6	42,465
November .....	103,775	61,263	59.0	57,885	55.8	861	57,024	3,378	5.5	42,512
December .....	103,847	61,170	58.9	57,819	55.7	880	56,939	3,351	5.5	42,677
<b>1996:</b>										
January .....	103,921	61,310	59.0	57,725	55.5	909	56,816	3,585	5.8	42,610
February .....	103,986	61,275	58.9	57,899	55.7	902	56,997	3,376	5.5	42,711
March .....	104,058	61,625	59.2	58,294	56.0	897	57,397	3,331	5.4	42,433
April .....	104,146	61,426	59.0	58,161	55.8	849	57,312	3,264	5.3	42,721
May .....	104,230	61,669	59.2	58,184	55.8	891	57,293	3,485	5.7	42,561

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

<sup>2</sup> Data, beginning in 1994, are not strictly comparable with data for 1993 and prior years because of the introduction of a major redesign of the Current Population Survey (household survey) questionnaire and collection methodology. For additional

information, see "Revisions in the Current Population Survey Effective January 1994" in the February 1994 issue of this publication. Beginning in 1990, data incorporate 1990 census-based population controls, adjusted for the estimated undercount. For additional information, see "Revisions in Household Survey Data Effective February 1996" in the March 1996 issue of this publication.

<sup>3</sup> The population figures are not adjusted for seasonal variation.



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	198,286	198,453	198,615	198,801	199,005	199,192	199,355	199,508	199,634	199,773	199,921	200,101	200,278
Civilian labor force .....	132,058	131,962	132,342	132,298	132,501	132,473	132,471	132,352	132,903	133,018	133,655	133,361	133,910
Percent of population .....	66.6	66.5	66.6	66.5	66.6	66.5	66.4	66.3	66.6	66.6	66.9	66.6	66.9
Employed .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
Employment-population ratio .....	62.8	62.8	62.9	62.8	62.8	62.9	62.7	62.6	62.7	62.9	63.1	63.0	63.1
Unemployed .....	7,460	7,396	7,510	7,439	7,465	7,229	7,409	7,371	7,677	7,355	7,504	7,266	7,448
Unemployment rate .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6
<b>Men, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	95,024	95,110	95,191	95,287	95,397	95,492	95,580	95,661	95,713	95,786	95,864	95,955	96,048
Civilian labor force .....	71,307	71,341	71,329	71,259	71,348	71,238	71,208	71,182	71,593	71,743	72,030	71,935	72,241
Percent of population .....	75.0	75.0	74.9	74.8	74.8	74.6	74.5	74.4	74.8	74.9	75.1	75.0	75.2
Employed .....	67,241	67,366	67,342	67,248	67,328	67,416	67,177	67,162	67,501	67,764	67,856	67,933	68,278
Employment-population ratio .....	70.8	70.8	70.7	70.6	70.6	70.6	70.3	70.2	70.5	70.7	70.8	70.8	71.1
Agriculture .....	2,477	2,567	2,554	2,516	2,506	2,562	2,462	2,445	2,619	2,617	2,590	2,519	2,599
Nonagricultural industries .....	64,764	64,799	64,788	64,732	64,822	64,854	64,715	64,717	64,881	65,147	65,266	65,414	65,678
Unemployed .....	4,066	3,975	3,987	4,011	4,020	3,822	4,031	4,020	4,092	3,979	4,174	4,002	3,964
Unemployment rate .....	5.7	5.6	5.6	5.6	5.6	5.4	5.7	5.6	5.7	5.5	5.8	5.6	5.5
Not in labor force .....	23,717	23,769	23,862	24,028	24,049	24,254	24,372	24,479	24,120	24,043	23,834	24,020	23,807
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	87,691	87,750	87,818	87,905	87,940	88,027	88,046	88,172	88,223	88,296	88,366	88,440	88,530
Civilian labor force .....	67,283	67,281	67,264	67,218	67,286	67,193	67,171	67,133	67,563	67,719	67,980	67,821	68,064
Percent of population .....	76.7	76.7	76.6	76.5	76.5	76.3	76.3	76.1	76.6	76.7	76.9	76.7	76.9
Employed .....	63,951	64,039	64,031	63,982	64,023	64,146	63,901	63,879	64,246	64,425	64,594	64,555	64,818
Employment-population ratio .....	72.9	73.0	72.9	72.8	72.8	72.9	72.6	72.4	72.8	73.0	73.1	73.1	73.2
Agriculture .....	2,241	2,331	2,321	2,297	2,296	2,351	2,259	2,252	2,399	2,382	2,403	2,292	2,337
Nonagricultural industries .....	61,710	61,708	61,710	61,685	61,727	61,795	61,642	61,627	61,848	62,044	62,191	62,263	62,480
Unemployed .....	3,332	3,242	3,233	3,236	3,263	3,047	3,270	3,254	3,317	3,294	3,386	3,266	3,246
Unemployment rate .....	5.0	4.8	4.8	4.8	4.8	4.5	4.9	4.8	4.9	4.9	5.0	4.8	4.8
Not in labor force .....	20,408	20,469	20,554	20,687	20,654	20,834	20,875	21,039	20,659	20,577	20,386	20,619	20,466
<b>Women, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	103,263	103,342	103,424	103,514	103,608	103,700	103,775	103,847	103,921	103,986	104,058	104,146	104,230
Civilian labor force .....	60,751	60,621	61,013	61,039	61,153	61,235	61,263	61,170	61,310	61,275	61,625	61,426	61,669
Percent of population .....	58.8	58.7	59.0	59.0	59.0	59.1	59.0	58.9	59.0	58.9	59.2	59.0	59.2
Employed .....	57,357	57,200	57,490	57,611	57,708	57,828	57,885	57,819	57,725	57,899	58,294	58,161	58,184
Employment-population ratio .....	55.5	55.3	55.6	55.7	55.7	55.8	55.8	55.7	55.5	55.7	56.0	55.8	55.8
Agriculture .....	883	868	855	860	829	872	861	880	909	902	897	849	891
Nonagricultural industries .....	56,474	56,332	56,635	56,751	56,879	56,956	57,024	56,939	56,816	56,997	57,397	57,312	57,293
Unemployed .....	3,394	3,421	3,523	3,428	3,445	3,407	3,378	3,351	3,585	3,376	3,331	3,264	3,485
Unemployment rate .....	5.6	5.6	5.8	5.6	5.6	5.6	5.5	5.5	5.8	5.5	5.4	5.3	5.7
Not in labor force .....	42,512	42,721	42,411	42,475	42,455	42,465	42,512	42,677	42,610	42,711	42,433	42,721	42,561
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	96,141	96,204	96,265	96,327	96,409	96,487	96,555	96,633	96,717	96,757	96,798	96,857	96,925
Civilian labor force .....	57,027	56,896	57,315	57,291	57,387	57,516	57,502	57,426	57,591	57,570	57,903	57,763	57,915
Percent of population .....	59.3	59.1	59.5	59.5	59.5	59.6	59.6	59.4	59.5	59.5	59.8	59.6	59.8
Employed .....	54,243	54,059	54,422	54,458	54,568	54,661	54,752	54,715	54,642	54,790	55,146	55,060	55,014
Employment-population ratio .....	56.4	56.2	56.5	56.5	56.6	56.7	56.7	56.6	56.5	56.6	57.0	56.8	56.8
Agriculture .....	835	813	801	811	778	816	806	816	857	851	844	813	831
Nonagricultural industries .....	53,408	53,246	53,621	53,647	53,790	53,845	53,946	53,899	53,785	53,938	54,303	54,247	54,183
Unemployed .....	2,784	2,837	2,893	2,833	2,819	2,855	2,750	2,711	2,949	2,780	2,757	2,704	2,901
Unemployment rate .....	4.9	5.0	5.0	4.9	4.9	5.0	4.8	4.7	5.1	4.8	4.8	4.7	5.0
Not in labor force .....	39,114	39,308	38,950	39,036	39,022	38,971	39,053	39,207	39,126	39,188	38,895	39,093	39,010
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	14,454	14,498	14,531	14,569	14,657	14,678	14,754	14,703	14,694	14,719	14,757	14,805	14,823
Civilian labor force .....	7,748	7,785	7,763	7,789	7,828	7,764	7,798	7,793	7,749	7,729	7,772	7,776	7,932
Percent of population .....	53.6	53.7	53.4	53.5	53.4	52.9	52.9	53.0	52.7	52.5	52.7	52.5	53.5
Employed .....	6,404	6,468	6,379	6,419	6,445	6,437	6,409	6,387	6,338	6,448	6,411	6,480	6,630
Employment-population ratio .....	44.3	44.6	43.9	44.1	44.0	43.9	43.4	43.4	43.1	43.8	43.4	43.8	44.7
Agriculture .....	284	291	287	268	261	267	258	257	273	286	240	263	323
Nonagricultural industries .....	6,120	6,177	6,092	6,151	6,184	6,170	6,151	6,130	6,065	6,161	6,171	6,217	6,308
Unemployed .....	1,344	1,317	1,384	1,370	1,383	1,327	1,389	1,406	1,412	1,282	1,362	1,296	1,301
Unemployment rate .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4
Not in labor force .....	6,706	6,713	6,768	6,780	6,829	6,914	6,956	6,910	6,945	6,990	6,984	7,028	6,891

<sup>1</sup> The population figures are not adjusted for seasonal variation.  
NOTE: Detail for the seasonally adjusted data shown in tables A-3

through A-12 will not necessarily add to totals because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-4. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	166,708	166,822	166,931	167,058	167,200	167,327	167,441	167,545	167,669	167,757	167,853	167,973	168,098
Civilian labor force .....	111,707	111,738	112,054	111,939	112,113	112,147	112,023	111,987	112,198	112,747	112,970	112,613	113,109
Percent of population .....	67.0	67.0	67.1	67.0	67.1	67.0	66.9	66.8	66.9	67.2	67.3	67.0	67.3
Employed .....	106,141	106,311	106,575	106,512	106,666	106,761	106,451	106,445	106,576	107,244	107,497	107,319	107,612
Employment-population ratio .....	63.7	63.7	63.8	63.8	63.8	63.8	63.6	63.5	63.6	63.9	64.0	63.9	64.0
Unemployed .....	5,566	5,427	5,479	5,427	5,447	5,386	5,572	5,542	5,623	5,502	5,473	5,294	5,497
Unemployment rate .....	5.0	4.9	4.9	4.8	4.9	4.8	5.0	4.9	5.0	4.9	4.8	4.7	4.9
<b>Men, 20 years and over</b>													
Civilian labor force .....	57,608	57,682	57,682	57,614	57,715	57,717	57,679	57,693	57,894	58,162	58,309	58,202	58,340
Percent of population .....	77.0	77.1	77.0	76.9	76.9	76.9	76.8	76.8	77.0	77.3	77.5	77.3	77.4
Employed .....	55,033	55,215	55,248	55,171	55,250	55,383	55,150	55,206	55,438	55,688	55,795	55,778	55,914
Employment-population ratio .....	73.6	73.8	73.8	73.6	73.7	73.8	73.4	73.5	73.7	74.0	74.1	74.1	74.2
Unemployed .....	2,575	2,467	2,434	2,443	2,465	2,334	2,529	2,487	2,456	2,475	2,514	2,424	2,426
Unemployment rate .....	4.5	4.3	4.2	4.2	4.3	4.0	4.4	4.3	4.2	4.3	4.3	4.2	4.2
<b>Women, 20 years and over</b>													
Civilian labor force .....	47,566	47,434	47,794	47,790	47,876	47,909	47,832	47,772	47,727	47,968	48,136	47,884	48,103
Percent of population .....	59.1	58.9	59.3	59.3	59.3	59.4	59.2	59.1	59.0	59.3	59.5	59.2	59.4
Employed .....	45,523	45,386	45,725	45,741	45,851	45,820	45,796	45,722	45,604	45,892	46,141	45,937	45,976
Employment-population ratio .....	56.6	56.4	56.7	56.7	56.8	56.8	56.7	56.6	56.4	56.8	57.0	56.8	56.8
Unemployed .....	2,043	2,048	2,069	2,049	2,025	2,089	2,036	2,050	2,123	2,076	1,995	1,947	2,128
Unemployment rate .....	4.3	4.3	4.3	4.3	4.2	4.4	4.3	4.3	4.4	4.3	4.1	4.1	4.4
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	6,533	6,622	6,578	6,535	6,522	6,521	6,512	6,522	6,577	6,616	6,525	6,527	6,666
Percent of population .....	57.1	57.8	57.3	56.8	56.6	56.5	56.3	56.2	56.6	56.8	55.8	55.7	56.6
Employed .....	5,585	5,710	5,602	5,600	5,565	5,558	5,505	5,517	5,533	5,665	5,561	5,604	5,723
Employment-population ratio .....	48.9	49.8	48.8	48.7	48.3	48.1	47.6	47.5	47.6	48.6	47.6	47.8	48.6
Unemployed .....	948	912	976	935	957	963	1,007	1,005	1,044	951	964	923	943
Unemployment rate .....	14.5	13.8	14.8	14.3	14.7	14.8	15.5	15.4	15.9	14.4	14.8	14.1	14.1
Men .....	15.3	15.0	15.1	15.7	15.8	16.8	16.4	16.0	16.6	15.2	16.0	15.2	15.2
Women .....	13.7	12.4	14.6	12.8	13.4	12.5	14.5	14.7	15.1	13.4	13.4	12.9	12.9
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	23,192	23,221	23,249	23,284	23,323	23,357	23,389	23,419	23,424	23,455	23,485	23,519	23,549
Civilian labor force .....	14,794	14,717	14,710	14,781	14,820	14,856	15,006	14,959	14,993	14,827	15,030	14,971	15,149
Percent of population .....	63.8	63.4	63.3	63.5	63.5	63.6	64.2	63.9	64.0	63.2	64.0	63.7	64.3
Employed .....	13,312	13,168	13,124	13,159	13,181	13,370	13,558	13,436	13,409	13,302	13,358	13,399	13,599
Employment-population ratio .....	57.4	56.7	56.5	56.5	56.5	57.2	58.0	57.4	57.2	56.7	56.9	57.0	57.7
Unemployed .....	1,482	1,549	1,586	1,622	1,639	1,486	1,448	1,523	1,584	1,525	1,673	1,573	1,551
Unemployment rate .....	10.0	10.5	10.8	11.0	11.1	10.0	9.6	10.2	10.6	10.3	11.1	10.5	10.2
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,743	6,709	6,687	6,696	6,727	6,676	6,664	6,683	6,748	6,775	6,790	6,696	6,786
Percent of population .....	72.9	72.3	72.0	71.9	72.3	71.7	71.8	71.5	72.2	72.3	72.4	71.3	72.2
Employed .....	6,152	6,109	6,077	6,080	6,096	6,125	6,108	6,062	6,141	6,089	6,049	6,055	6,136
Employment-population ratio .....	66.5	65.9	65.4	65.3	65.5	65.7	65.8	64.9	65.7	65.0	64.5	64.5	65.3
Unemployed .....	591	600	610	616	631	551	556	621	607	686	741	641	650
Unemployment rate .....	8.8	8.9	9.1	9.2	9.4	8.3	8.3	9.3	9.0	10.1	10.9	9.6	9.6
<b>Women, 20 years and over</b>													
Civilian labor force .....	7,153	7,106	7,120	7,138	7,122	7,259	7,366	7,317	7,343	7,193	7,287	7,300	7,373
Percent of population .....	61.4	60.9	60.9	61.0	60.8	61.9	62.7	62.2	62.4	61.1	61.8	61.9	62.4
Employed .....	6,578	6,485	6,480	6,511	6,478	6,637	6,789	6,751	6,678	6,630	6,674	6,687	6,758
Employment-population ratio .....	56.4	55.6	55.5	55.7	55.3	56.6	57.8	57.4	56.8	56.3	56.6	56.7	57.2
Unemployed .....	575	621	640	627	644	622	577	566	665	563	613	613	615
Unemployment rate .....	8.0	8.7	9.0	8.8	9.0	8.6	7.8	7.7	9.1	7.8	8.4	8.4	8.3

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	898	902	903	947	971	921	976	959	902	860	954	976	990
Percent of population .....	39.3	39.6	39.7	41.6	42.1	39.9	41.2	41.4	39.1	37.2	41.1	41.9	42.3
Employed .....	582	574	567	568	607	608	661	623	590	583	635	657	705
Employment-population ratio .....	25.4	25.2	24.9	24.9	26.3	26.3	27.9	26.9	25.6	25.2	27.4	28.2	30.1
Unemployed .....	316	328	336	379	364	313	315	336	312	276	319	319	286
Unemployment rate .....	35.2	36.4	37.2	40.0	37.5	34.0	32.3	35.0	34.6	32.1	33.5	32.7	28.9
Men .....	37.9	37.7	39.4	43.0	36.0	35.3	33.7	39.0	39.1	30.6	38.2	34.1	27.4
Women .....	32.5	35.0	35.0	37.0	38.9	32.7	30.8	31.4	30.4	33.6	28.4	31.3	30.2
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	18,554	18,604	18,653	18,702	18,752	18,800	18,845	18,889	18,929	18,977	19,025	19,080	19,131
Civilian labor force .....	12,165	12,259	12,301	12,355	12,369	12,410	12,374	12,391	12,655	12,666	12,571	12,511	12,514
Percent of population .....	65.6	65.9	65.9	66.1	66.0	66.0	65.7	65.6	66.9	66.7	66.1	65.6	65.4
Employed .....	11,008	11,146	11,197	11,173	11,247	11,251	11,227	11,237	11,493	11,432	11,308	11,294	11,365
Employment-population ratio .....	59.3	59.9	60.0	59.7	60.0	59.8	59.6	59.5	60.7	60.2	59.4	59.2	59.4
Unemployed .....	1,157	1,113	1,104	1,182	1,122	1,159	1,147	1,154	1,162	1,234	1,262	1,217	1,149
Unemployment rate .....	9.5	9.1	9.0	9.6	9.1	9.3	9.3	9.3	9.2	9.7	10.0	9.7	9.2

<sup>1</sup> 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.

**A-5. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted**

(Numbers in thousands)

Full- and part-time status, sex, and age	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>EMPLOYED</b>													
Full-time workers .....	101,341	101,524	101,670	101,559	101,817	102,128	102,285	102,233	101,957	102,594	102,618	102,711	103,390
Men, 16 years and over .....	59,742	59,981	59,942	59,902	59,891	60,070	59,916	60,012	59,844	60,144	60,193	60,345	60,900
Men, 20 years and over .....	58,545	58,702	58,665	58,650	58,652	58,880	58,678	58,827	58,702	58,928	58,946	59,169	59,586
Women, 16 years and over .....	41,580	41,644	41,809	41,732	41,929	42,013	42,315	42,161	42,058	42,359	42,427	42,367	42,488
Women, 20 years and over .....	40,760	40,773	40,999	40,903	41,126	41,170	41,520	41,352	41,265	41,560	41,646	41,623	41,607
Both sexes, 16 to 19 years .....	2,036	2,049	2,006	2,006	2,039	2,078	2,087	2,054	1,989	2,106	2,025	1,919	2,196
Part-time workers .....	23,216	22,989	23,177	23,197	23,322	23,176	23,001	22,950	23,188	23,013	23,326	23,239	23,035
Men, 16 years and over .....	7,432	7,422	7,451	7,361	7,557	7,343	7,302	7,254	7,591	7,490	7,540	7,519	7,345
Men, 20 years and over .....	5,351	5,307	5,353	5,326	5,437	5,329	5,319	5,227	5,521	5,375	5,498	5,276	5,185
Women, 16 years and over .....	15,796	15,587	15,696	15,902	15,774	15,801	15,667	15,648	15,609	15,561	15,756	15,741	15,702
Women, 20 years and over .....	13,485	13,264	13,439	13,498	13,456	13,485	13,346	13,376	13,321	13,261	13,437	13,416	13,377
Both sexes, 16 to 19 years .....	4,380	4,418	4,385	4,373	4,429	4,362	4,336	4,347	4,346	4,378	4,390	4,547	4,474
<b>UNEMPLOYED</b>													
Looking for full-time work .....	5,934	5,887	5,948	5,962	5,955	5,846	5,977	5,938	6,116	5,853	6,014	5,843	5,969
Men, 16 years and over .....	3,432	3,402	3,391	3,441	3,448	3,352	3,457	3,443	3,345	3,238	3,465	3,368	3,322
Men, 20 years and over .....	3,056	2,994	2,990	3,002	3,020	2,856	3,045	3,037	2,989	3,009	3,111	3,021	2,953
Women, 16 years and over .....	2,507	2,493	2,566	2,536	2,547	2,596	2,552	2,535	2,714	2,525	2,513	2,473	2,637
Women, 20 years and over .....	2,235	2,258	2,289	2,258	2,258	2,328	2,240	2,219	2,412	2,251	2,216	2,190	2,364
Both sexes, 16 to 19 years .....	643	635	669	702	677	662	692	682	715	593	688	632	652
Looking for part-time work .....	1,500	1,515	1,592	1,487	1,473	1,457	1,452	1,450	1,472	1,516	1,499	1,427	1,455
Men, 16 years and over .....	608	604	604	591	608	624	624	636	590	685	668	625	616
Men, 20 years and over .....	259	253	242	236	251	238	242	249	233	307	288	240	278
Women, 16 years and over .....	885	923	979	898	864	847	845	828	864	836	800	811	837
Women, 20 years and over .....	548	584	641	575	530	535	515	481	539	511	537	525	530
Both sexes, 16 to 19 years .....	693	678	709	676	692	684	695	720	699	697	675	662	648
<b>UNEMPLOYMENT RATES<sup>1</sup></b>													
Full-time workers .....	5.5	5.5	5.5	5.5	5.5	5.4	5.5	5.5	5.7	5.4	5.5	5.4	5.5
Men, 16 years and over .....	5.4	5.4	5.4	5.4	5.4	5.3	5.5	5.4	5.3	5.1	5.4	5.3	5.2
Men, 20 years and over .....	5.0	4.9	4.8	4.9	4.9	4.6	4.9	4.9	4.8	4.9	5.0	4.9	4.7
Women, 16 years and over .....	5.7	5.6	5.8	5.7	5.7	5.8	5.7	5.7	6.1	5.6	5.6	5.5	5.8
Women, 20 years and over .....	5.2	5.2	5.3	5.2	5.2	5.4	5.1	5.1	5.5	5.1	5.1	5.0	5.4
Both sexes, 16 to 19 years .....	24.0	23.7	25.0	25.9	24.9	24.2	24.9	24.9	26.4	22.0	25.3	24.8	22.9
Part-time workers .....	6.1	6.2	6.4	6.0	5.9	5.9	5.9	5.9	6.0	6.2	6.0	5.8	5.9
Men, 16 years and over .....	7.6	7.5	7.5	7.4	7.4	7.8	7.9	8.1	7.2	8.4	8.1	7.7	7.7
Men, 20 years and over .....	4.6	4.6	4.3	4.2	4.4	4.3	4.4	4.5	4.1	5.4	5.0	4.3	5.1
Women, 16 years and over .....	5.3	5.6	5.9	5.3	5.2	5.1	5.1	5.0	5.2	5.1	4.8	4.9	5.1
Women, 20 years and over .....	3.9	4.2	4.6	4.1	3.8	3.8	3.7	3.5	3.9	3.7	3.8	3.8	3.8
Both sexes, 16 to 19 years .....	13.7	13.3	13.9	13.4	13.5	13.6	13.8	14.2	13.9	13.7	13.3	12.7	12.6

<sup>1</sup> These rates reflect a refined definition of the full- and part-time labor force and differ from the rates published elsewhere in this publication prior to 1994.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-6. Employed persons by marital status, occupation, class of worker, and part-time status, seasonally adjusted**

(In thousands)

Category	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>MARITAL STATUS</b>													
Total .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
Married men, spouse present .....	41,900	41,988	42,099	42,086	42,178	42,281	42,081	42,058	42,171	42,339	42,178	42,067	42,406
Married women, spouse present .....	32,029	32,050	32,188	32,153	32,180	32,185	32,153	32,072	32,078	32,101	32,053	31,868	32,330
Women who maintain families .....	7,161	7,184	7,127	7,205	7,155	7,089	7,274	7,304	7,294	7,295	7,397	7,389	7,314
<b>OCCUPATION</b>													
Managerial and professional specialty .....	35,205	35,300	35,542	35,614	35,607	35,758	35,730	35,712	35,682	35,866	36,149	36,115	36,257
Technical, sales, and administrative support .....	37,402	37,455	37,771	37,431	37,504	37,337	37,291	36,999	37,057	37,328	37,782	37,638	37,681
Service occupations .....	16,943	16,862	16,786	16,959	16,932	16,994	16,947	16,964	16,755	16,727	16,714	16,939	17,312
Precision production, craft, and repair .....	13,512	13,489	13,458	13,387	13,486	13,459	13,344	13,445	13,615	13,786	13,618	13,595	13,439
Operators, fabricators, and laborers .....	18,008	17,980	17,833	17,879	18,002	18,034	18,213	18,264	18,257	18,147	18,058	18,124	18,282
Farming, forestry, and fishing .....	3,571	3,589	3,583	3,577	3,588	3,692	3,590	3,599	3,760	3,744	3,622	3,545	3,560
<b>CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,763	1,830	1,820	1,779	1,754	1,806	1,750	1,755	1,964	1,954	1,859	1,862	2,026
Self-employed workers .....	1,577	1,587	1,562	1,550	1,525	1,543	1,514	1,521	1,547	1,531	1,572	1,484	1,456
Unpaid family workers .....	51	46	46	45	43	49	34	46	48	34	41	52	46
Nonagricultural industries:													
Wage and salary workers .....	112,324	112,274	112,417	112,448	112,586	112,777	112,722	112,618	112,568	113,165	113,461	113,527	114,032
Private industries .....	93,882	93,898	94,073	94,134	94,337	94,533	94,434	94,381	94,524	94,906	95,456	95,237	95,776
Private households .....	932	901	908	933	959	973	980	975	931	873	901	844	918
Other industries .....	92,950	92,997	93,165	93,201	93,378	93,560	93,454	93,406	93,593	94,032	94,555	94,393	94,858
Government .....	18,442	18,376	18,344	18,314	18,249	18,244	18,288	18,237	18,044	18,259	18,005	18,290	18,256
Self-employed workers .....	8,824	8,823	9,062	8,883	8,954	8,913	8,853	8,877	8,913	8,953	9,092	9,081	8,878
Unpaid family workers .....	122	111	105	106	112	102	105	106	85	116	102	101	124
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	4,463	4,463	4,440	4,467	4,502	4,433	4,435	4,447	4,091	4,502	4,479	4,525	4,277
Slack work or business conditions .....	2,482	2,342	2,493	2,546	2,526	2,520	2,526	2,537	2,250	2,533	2,548	2,594	2,216
Could only find part-time work .....	1,707	1,732	1,687	1,634	1,706	1,652	1,648	1,615	1,509	1,621	1,596	1,571	1,719
Part time for noneconomic reasons .....	17,806	17,864	17,966	17,894	17,842	17,678	17,452	17,405	17,198	17,493	17,915	17,487	17,620
Nonagricultural industries:													
Part time for economic reasons .....	4,273	4,263	4,256	4,291	4,355	4,274	4,283	4,306	3,842	4,274	4,223	4,287	4,068
Slack work or business conditions .....	2,345	2,200	2,372	2,414	2,413	2,426	2,419	2,440	2,114	2,382	2,386	2,476	2,092
Could only find part-time work .....	1,671	1,691	1,656	1,610	1,675	1,610	1,622	1,583	1,472	1,607	1,561	1,534	1,663
Part time for noneconomic reasons .....	17,158	17,189	17,334	17,251	17,218	17,054	16,852	16,804	16,520	16,884	17,266	16,994	17,038

<sup>1</sup>Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who

usually work full time but worked only 1 to 34 hours during the reference week for reasons such as holidays, illness, and bad weather.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-7. Employed persons by age and sex, seasonally adjusted**

(In thousands)

Age and sex	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	124,598	124,566	124,832	124,859	125,036	125,244	125,062	124,981	125,226	125,663	126,151	126,095	126,462
16 to 24 years .....	18,917	18,952	18,793	18,731	18,634	18,640	18,608	18,542	18,422	18,552	18,701	18,758	18,809
16 to 19 years .....	6,404	6,468	6,379	6,419	6,445	6,437	6,409	6,387	6,338	6,448	6,411	6,480	6,630
16 to 17 years .....	2,528	2,707	2,563	2,537	2,594	2,570	2,560	2,544	2,513	2,574	2,645	2,661	2,647
18 to 19 years .....	3,852	3,836	3,845	3,882	3,860	3,862	3,845	3,852	3,786	3,864	3,754	3,816	3,960
20 to 24 years .....	12,513	12,484	12,414	12,312	12,189	12,203	12,199	12,155	12,084	12,105	12,290	12,278	12,179
25 years and over .....	105,614	105,661	106,108	106,129	106,337	106,651	106,443	106,754	107,065	107,363	107,300	107,300	107,599
25 to 54 years .....	90,680	90,763	90,954	91,016	91,186	91,263	91,306	91,360	91,531	91,740	91,915	92,088	92,261
55 years and over .....	14,954	14,927	15,117	15,072	15,218	15,316	15,204	15,119	15,153	15,326	15,416	15,231	15,356
Men, 16 years and over .....	67,241	67,366	67,342	67,248	67,328	67,416	67,177	67,162	67,501	67,764	67,856	67,933	68,278
16 to 24 years .....	10,002	10,045	9,973	9,857	9,859	9,775	9,763	9,766	9,789	9,721	9,755	9,798	9,909
16 to 19 years .....	3,290	3,327	3,311	3,266	3,305	3,270	3,276	3,283	3,254	3,339	3,263	3,379	3,460
16 to 17 years .....	1,274	1,424	1,342	1,284	1,325	1,307	1,282	1,301	1,257	1,311	1,330	1,334	1,353
18 to 19 years .....	1,991	1,967	1,981	1,982	1,983	1,970	1,991	1,992	1,966	2,026	1,937	2,033	2,084
20 to 24 years .....	6,712	6,718	6,662	6,591	6,554	6,505	6,487	6,483	6,535	6,383	6,493	6,420	6,449
25 years and over .....	57,160	57,303	57,395	57,393	57,462	57,696	57,404	57,378	57,697	58,023	58,065	58,121	58,290
25 to 54 years .....	48,952	49,037	48,997	49,036	49,076	49,101	48,980	49,010	49,247	49,503	49,419	49,580	49,668
55 years and over .....	8,263	8,278	8,356	8,302	8,412	8,530	8,463	8,423	8,419	8,510	8,634	8,581	8,685
Women, 16 years and over .....	57,357	57,200	57,490	57,611	57,708	57,828	57,885	57,819	57,725	57,899	58,294	58,161	58,184
16 to 24 years .....	8,915	8,907	8,820	8,874	8,775	8,865	8,845	8,776	8,633	8,831	8,946	8,960	8,900
16 to 19 years .....	3,114	3,141	3,068	3,153	3,140	3,167	3,133	3,104	3,084	3,109	3,148	3,102	3,170
16 to 17 years .....	1,254	1,283	1,221	1,253	1,269	1,263	1,278	1,243	1,256	1,264	1,314	1,327	1,294
18 to 19 years .....	1,861	1,869	1,864	1,900	1,877	1,892	1,854	1,860	1,820	1,838	1,817	1,783	1,876
20 to 24 years .....	5,801	5,766	5,752	5,721	5,635	5,698	5,712	5,672	5,549	5,722	5,798	5,658	5,730
25 years and over .....	48,454	48,358	48,713	48,736	48,875	48,955	49,036	49,065	49,056	49,042	49,297	49,180	49,309
25 to 54 years .....	41,728	41,726	41,957	41,980	42,110	42,162	42,326	42,350	42,284	42,237	42,496	42,508	42,593
55 years and over .....	6,691	6,649	6,761	6,770	6,806	6,786	6,741	6,696	6,734	6,816	6,782	6,650	6,670

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

(In thousands)

Age and sex	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	7,460	7,396	7,510	7,439	7,465	7,229	7,409	7,371	7,677	7,355	7,504	7,266	7,448
16 to 24 years .....	2,540	2,565	2,657	2,658	2,687	2,594	2,572	2,640	2,750	2,616	2,659	2,517	2,608
16 to 19 years .....	1,344	1,317	1,384	1,370	1,383	1,327	1,389	1,406	1,412	1,282	1,362	1,296	1,301
16 to 17 years .....	665	637	672	663	654	657	646	673	649	642	637	613	639
18 to 19 years .....	672	684	698	701	719	687	739	737	767	645	722	689	658
20 to 24 years .....	1,196	1,248	1,273	1,288	1,304	1,267	1,183	1,234	1,339	1,334	1,298	1,221	1,306
25 years and over .....	4,913	4,837	4,849	4,784	4,778	4,660	4,848	4,796	4,825	4,762	4,865	4,735	4,822
25 to 54 years .....	4,333	4,243	4,230	4,181	4,201	4,164	4,243	4,223	4,311	4,212	4,233	4,174	4,266
55 years and over .....	591	592	607	582	557	558	590	561	550	573	611	518	570
Men, 16 years and over .....	4,066	3,975	3,987	4,011	4,020	3,822	4,031	4,020	4,092	3,979	4,174	4,002	3,964
16 to 24 years .....	1,401	1,406	1,426	1,489	1,451	1,444	1,432	1,454	1,446	1,464	1,508	1,441	1,468
16 to 19 years .....	734	733	754	775	757	775	761	766	776	685	787	736	717
16 to 17 years .....	359	341	364	366	346	357	355	360	361	363	362	358	339
18 to 19 years .....	373	398	385	404	401	414	409	405	415	328	426	389	379
20 to 24 years .....	667	673	672	714	694	669	671	688	670	779	720	706	750
25 years and over .....	2,674	2,572	2,556	2,526	2,571	2,399	2,622	2,605	2,548	2,544	2,661	2,562	2,496
25 to 54 years .....	2,334	2,230	2,205	2,196	2,235	2,122	2,281	2,281	2,279	2,259	2,330	2,299	2,201
55 years and over .....	338	336	330	315	331	296	321	304	310	305	315	267	298
Women, 16 years and over .....	3,394	3,421	3,523	3,428	3,445	3,407	3,378	3,351	3,585	3,376	3,331	3,264	3,485
16 to 24 years .....	1,139	1,159	1,231	1,169	1,236	1,150	1,140	1,186	1,304	1,152	1,152	1,076	1,140
16 to 19 years .....	610	584	630	595	626	552	628	640	636	597	574	561	584
16 to 17 years .....	306	296	308	297	308	300	291	313	288	279	275	255	300
18 to 19 years .....	299	286	313	297	318	273	330	332	352	317	296	300	279
20 to 24 years .....	529	575	601	574	610	598	512	546	668	555	577	515	556
25 years and over .....	2,239	2,265	2,293	2,258	2,207	2,261	2,226	2,191	2,277	2,219	2,205	2,172	2,326
25 to 54 years .....	1,999	2,013	2,025	1,985	1,966	2,042	1,962	1,942	2,033	1,953	1,903	1,875	2,065
55 years and over .....	253	256	277	267	226	262	269	257	240	268	296	251	272

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-9. Unemployment rates by age and sex, seasonally adjusted**

Age and sex	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Total, 16 years and over .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6
16 to 24 years .....	11.8	11.9	12.4	12.4	12.6	12.2	12.1	12.5	13.0	12.4	12.4	11.8	12.2
16 to 19 years .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4
16 to 17 years .....	20.8	19.0	20.8	20.7	20.1	20.4	20.1	20.9	20.5	20.0	19.4	18.7	19.4
18 to 19 years .....	14.9	15.1	15.4	15.3	15.7	15.1	16.1	16.1	16.9	14.3	16.1	15.3	14.2
20 to 24 years .....	8.7	9.1	9.3	9.5	9.7	9.4	8.8	9.2	10.0	9.9	9.5	9.0	9.7
25 years and over .....	4.4	4.4	4.4	4.3	4.3	4.2	4.4	4.3	4.3	4.3	4.3	4.2	4.3
25 to 54 years .....	4.6	4.5	4.4	4.4	4.4	4.4	4.4	4.4	4.5	4.4	4.4	4.3	4.4
55 years and over .....	3.8	3.8	3.9	3.7	3.5	3.5	3.7	3.6	3.5	3.6	3.8	3.3	3.6
Men, 16 years and over .....	5.7	5.6	5.6	5.6	5.6	5.4	5.7	5.6	5.7	5.5	5.8	5.6	5.5
16 to 24 years .....	12.3	12.3	12.5	13.1	12.8	12.9	12.8	13.0	12.9	13.1	13.4	12.8	12.9
16 to 19 years .....	18.2	18.1	18.5	19.2	18.6	19.2	18.9	18.9	19.2	17.0	19.4	17.9	17.2
16 to 17 years .....	22.0	19.3	21.3	22.2	20.7	21.5	21.7	21.7	22.3	21.7	21.4	21.2	20.0
18 to 19 years .....	15.8	16.8	16.3	16.9	16.8	17.4	17.0	16.9	17.4	13.9	18.0	16.1	15.4
20 to 24 years .....	9.0	9.1	9.2	9.8	9.6	9.3	9.4	9.6	9.3	10.9	10.0	9.9	10.4
25 years and over .....	4.5	4.3	4.3	4.2	4.3	4.0	4.4	4.3	4.2	4.2	4.4	4.2	4.1
25 to 54 years .....	4.6	4.3	4.3	4.3	4.4	4.1	4.4	4.4	4.4	4.4	4.5	4.4	4.2
55 years and over .....	3.9	3.9	3.8	3.7	3.8	3.4	3.7	3.5	3.5	3.5	3.5	3.0	3.3
Women, 16 years and over .....	5.6	5.6	5.8	5.6	5.6	5.6	5.5	5.5	5.8	5.5	5.4	5.3	5.7
16 to 24 years .....	11.3	11.5	12.2	11.6	12.3	11.5	11.4	11.9	13.1	11.5	11.4	10.7	11.4
16 to 19 years .....	16.4	15.7	17.0	15.9	16.6	14.8	16.7	17.1	17.1	16.1	15.4	15.3	15.6
16 to 17 years .....	19.6	18.7	20.1	19.2	19.5	19.2	18.5	20.1	18.7	18.1	17.3	16.1	18.8
18 to 19 years .....	13.8	13.3	14.4	13.5	14.5	12.6	15.1	15.1	16.2	14.7	14.0	14.4	12.9
20 to 24 years .....	8.4	9.1	9.5	9.1	9.8	9.5	8.2	8.8	10.8	8.8	9.1	8.1	8.8
25 years and over .....	4.4	4.5	4.5	4.4	4.3	4.4	4.3	4.3	4.4	4.3	4.3	4.2	4.5
25 to 54 years .....	4.6	4.6	4.6	4.5	4.5	4.6	4.4	4.4	4.6	4.4	4.3	4.2	4.6
55 years and over .....	3.6	3.7	3.9	3.8	3.2	3.7	3.8	3.7	3.4	3.8	4.2	3.6	3.9

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-10. Unemployment rates by occupation, industry, and selected demographic characteristics, seasonally adjusted**

Category	1995									1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	
<b>CHARACTERISTIC</b>														
Total .....	5.6	5.6	5.7	5.6	5.6	5.5	5.6	5.6	5.8	5.5	5.6	5.4	5.6	
Men, 20 years and over .....	5.0	4.8	4.8	4.8	4.8	4.5	4.9	4.8	4.9	4.9	5.0	4.8	4.8	
Women, 20 years and over .....	4.9	5.0	5.0	4.9	4.9	5.0	4.8	4.7	5.1	4.8	4.8	4.7	5.0	
Both sexes, 16 to 19 years .....	17.3	16.9	17.8	17.6	17.7	17.1	17.8	18.0	18.2	16.6	17.5	16.7	16.4	
White .....	5.0	4.9	4.9	4.8	4.9	4.8	5.0	4.9	5.0	4.9	4.8	4.7	4.9	
Black and other .....	9.2	9.7	9.9	10.0	10.1	9.4	9.0	9.3	9.5	9.1	9.8	9.4	9.2	
Black .....	10.0	10.5	10.8	11.0	11.1	10.0	9.6	10.2	10.6	10.3	11.1	10.5	10.2	
Hispanic origin .....	9.5	9.1	9.0	9.6	9.1	9.3	9.3	9.3	9.2	9.7	10.0	9.7	9.2	
Married men, spouse present .....	3.4	3.4	3.4	3.3	3.4	3.2	3.3	3.2	3.3	3.0	3.1	3.0	2.9	
Married women, spouse present .....	3.9	3.9	4.0	4.0	3.9	3.9	3.8	3.8	4.0	3.8	3.5	3.7	3.8	
Women who maintain families .....	8.2	8.3	8.2	7.2	8.0	7.9	7.7	6.8	8.2	7.5	7.7	6.8	8.7	
<b>OCCUPATION<sup>1</sup></b>														
Managerial and professional specialty .....	2.2	2.5	2.6	2.5	2.4	2.4	2.5	2.5	2.4	2.3	2.3	2.3	2.3	
Technical, sales, and administrative support .....	4.6	4.4	4.4	4.4	4.4	4.5	4.2	4.4	4.6	4.5	4.4	4.4	4.7	
Precision production, craft, and repair .....	6.1	5.9	6.3	6.4	6.2	6.1	6.5	5.8	5.3	5.9	5.8	5.5	5.3	
Operators, fabricators, and laborers .....	8.6	8.4	8.3	8.4	8.4	8.1	8.3	8.4	8.3	8.2	8.6	8.0	8.3	
Farming, forestry, and fishing .....	8.6	8.3	7.7	6.8	7.4	8.3	7.8	7.7	8.4	7.7	7.9	8.0	9.1	
<b>INDUSTRY</b>														
Nonagricultural private wage and salary workers .....	5.9	5.7	5.9	5.8	5.8	5.7	5.8	5.8	5.8	5.7	5.8	5.7	5.7	
Goods-producing industries .....	6.9	6.5	6.5	6.5	6.6	6.5	6.7	6.5	6.3	6.4	6.5	6.1	6.2	
Mining .....	4.7	4.3	3.8	4.4	3.3	8.7	7.0	8.1	5.2	6.5	6.8	4.4	2.1	
Construction .....	12.2	11.0	11.3	12.0	12.4	11.7	12.0	11.5	10.7	11.2	10.0	10.2	10.0	
Manufacturing .....	5.3	5.1	5.1	4.9	4.9	4.8	5.0	5.0	5.0	4.9	5.3	4.8	5.1	
Durable goods .....	4.9	4.3	4.7	4.2	4.2	4.3	4.5	4.4	4.4	5.3	5.1	4.8	4.8	
Nondurable goods .....	5.8	6.3	5.8	5.9	5.9	5.6	5.8	5.8	5.7	4.4	5.7	4.8	5.5	
Service-producing industries .....	5.6	5.4	5.7	5.6	5.5	5.5	5.4	5.5	5.6	5.4	5.5	5.5	5.6	
Transportation and public utilities .....	4.2	4.5	4.6	4.4	4.5	4.3	4.2	4.6	3.7	3.8	4.2	4.2	4.2	
Wholesale and retail trade .....	6.6	6.3	6.5	6.5	6.9	6.3	6.3	6.4	6.8	6.3	6.9	6.6	6.6	
Finance, insurance, and real estate .....	3.5	3.3	3.4	3.3	3.1	3.3	3.0	3.2	2.9	2.2	2.5	2.3	2.5	
Services .....	5.6	5.5	5.7	5.6	5.2	5.5	5.5	5.5	5.7	5.7	5.4	5.6	5.7	
Government workers .....	2.9	3.0	2.9	2.9	2.8	2.9	2.9	2.8	2.8	3.0	2.8	2.9	3.3	
Agricultural wage and salary workers .....	11.8	11.5	10.4	8.7	11.6	12.2	12.0	12.6	10.5	10.7	10.7	10.9	10.0	

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



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

**A-11. Unemployed persons by reason for unemployment, seasonally adjusted**

(Numbers in thousands)

Reason	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>NUMBER OF UNEMPLOYED</b>													
Job losers and persons who completed temporary jobs .....	3,517	3,463	3,505	3,455	3,422	3,457	3,485	3,484	3,606	3,595	3,564	3,625	3,388
On temporary layoff .....	1,021	1,053	1,070	1,032	967	1,018	1,049	1,012	1,132	1,032	1,027	1,116	1,154
Not on temporary layoff .....	2,496	2,410	2,435	2,423	2,455	2,439	2,436	2,472	2,474	2,564	2,537	2,509	2,234
Job leavers .....	851	831	835	865	875	762	857	881	869	747	782	702	661
Reentrants .....	2,500	2,527	2,557	2,525	2,551	2,506	2,504	2,466	2,458	2,517	2,588	2,379	2,784
New entrants .....	547	546	565	581	601	559	585	603	641	613	591	550	532
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers and persons who completed temporary jobs .....	47.4	47.0	47.0	46.5	45.9	47.5	46.9	46.9	47.6	48.1	47.4	50.0	46.0
On temporary layoff .....	13.8	14.3	14.3	13.9	13.0	14.0	14.1	13.6	14.9	13.8	13.6	15.4	15.7
Not on temporary layoff .....	33.7	32.7	32.6	32.6	33.0	33.5	32.8	33.3	32.7	34.3	33.7	34.6	30.3
Job leavers .....	11.5	11.3	11.2	11.6	11.7	10.5	11.5	11.9	11.5	10.0	10.4	9.7	9.0
Reentrants .....	33.7	34.3	34.3	34.0	34.2	34.4	33.7	33.2	32.5	33.7	34.4	32.8	37.8
New entrants .....	7.4	7.4	7.6	7.8	8.1	7.7	7.9	8.1	8.5	8.2	7.9	7.6	7.2
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers and persons who completed temporary jobs .....	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.5
Job leavers .....	.6	.6	.6	.7	.7	.6	.6	.7	.7	.6	.6	.5	.5
Reentrants .....	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.8	2.1
New entrants .....	.4	.4	.4	.4	.5	.4	.4	.5	.5	.5	.4	.4	.4

**A-12. Unemployed persons by duration of unemployment, seasonally adjusted**

(Numbers in thousands)

Duration	1995								1996				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
<b>NUMBER OF UNEMPLOYED</b>													
Less than 5 weeks .....	2,639	2,694	2,661	2,715	2,786	2,744	2,767	2,717	2,784	2,793	2,623	2,412	2,815
5 to 14 weeks .....	2,321	2,341	2,554	2,373	2,317	2,348	2,383	2,431	2,413	2,280	2,298	2,337	2,334
15 weeks and over .....	2,526	2,353	2,332	2,371	2,323	2,281	2,305	2,322	2,370	2,307	2,479	2,388	2,336
15 to 26 weeks .....	1,231	1,152	1,051	1,129	1,054	1,010	1,057	1,085	1,118	1,126	1,164	1,106	1,020
27 weeks and over .....	1,295	1,201	1,281	1,242	1,269	1,271	1,248	1,237	1,252	1,181	1,316	1,282	1,317
Average (mean) duration, in weeks .....	16.8	16.0	16.5	16.3	16.3	16.2	16.3	16.2	16.0	16.6	17.3	17.4	16.8
Median duration, in weeks .....	8.9	7.7	8.7	8.4	8.1	8.1	8.0	8.1	8.3	8.0	8.3	8.8	8.3
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	35.3	36.5	35.3	36.4	37.5	37.2	37.1	36.4	36.8	37.8	35.4	33.8	37.6
5 to 14 weeks .....	31.0	31.7	33.8	31.8	31.2	31.8	32.0	32.5	31.9	30.9	31.1	32.7	31.2
15 weeks and over .....	33.7	31.8	30.9	31.8	31.3	30.9	30.9	31.1	31.3	31.3	33.5	33.5	31.2
15 to 26 weeks .....	16.4	15.6	13.9	15.1	14.2	13.7	14.2	14.5	14.8	15.3	15.7	15.5	13.6
27 weeks and over .....	17.3	16.3	17.0	16.7	17.1	17.2	16.7	16.6	16.5	16.0	17.8	18.0	17.6

**A-13. Employment status of the civilian noninstitutional population by age, sex, and race**

(Numbers in thousands)

Age, sex, and race	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
<b>TOTAL</b>										
16 years and over .....	200,278	133,558	66.7	126,391	63.1	3,698	122,693	7,166	5.4	66,721
16 to 19 years .....	14,823	7,727	52.1	6,371	43.0	341	6,030	1,356	17.6	7,096
16 to 17 years .....	7,642	3,184	41.7	2,523	33.0	157	2,366	661	20.8	4,458
18 to 19 years .....	7,181	4,543	63.3	3,848	53.6	184	3,664	696	15.3	2,638
20 to 24 years .....	17,401	13,377	76.9	12,068	69.4	323	11,745	1,309	9.8	4,024
25 to 54 years .....	115,403	96,514	83.6	92,568	80.2	2,246	90,322	3,946	4.1	18,889
25 to 34 years .....	40,321	33,716	83.6	32,012	79.4	807	31,205	1,704	5.1	6,605
25 to 29 years .....	19,026	15,995	84.1	15,122	79.5	391	14,730	874	5.5	3,030
30 to 34 years .....	21,296	17,721	83.2	16,891	79.3	416	16,475	830	4.7	3,575
35 to 44 years .....	43,110	36,491	84.6	35,135	81.5	836	34,299	1,356	3.7	6,619
35 to 39 years .....	22,387	18,883	84.3	18,136	81.0	407	17,729	747	4.0	3,504
40 to 44 years .....	20,723	17,609	85.0	17,000	82.0	430	16,570	609	3.5	3,115
45 to 54 years .....	31,971	26,306	82.3	25,420	79.5	602	24,818	886	3.4	5,665
45 to 49 years .....	18,297	15,412	84.2	14,883	81.3	369	14,514	529	3.4	2,884
50 to 54 years .....	13,675	10,894	79.7	10,537	77.1	233	10,304	357	3.3	2,781
55 to 64 years .....	20,978	12,062	57.5	11,659	55.6	408	11,252	403	3.3	8,916
55 to 59 years .....	11,181	7,555	67.6	7,312	65.4	232	7,080	243	3.2	3,625
60 to 64 years .....	9,797	4,507	46.0	4,347	44.4	176	4,171	159	3.5	5,291
65 years and over .....	31,674	3,877	12.2	3,725	11.8	381	3,345	152	3.9	27,796
65 to 69 years .....	9,690	2,122	21.9	2,044	21.1	168	1,876	78	3.7	7,568
70 to 74 years .....	8,558	1,120	13.1	1,075	12.6	132	943	45	4.1	7,438
75 years and over .....	13,425	635	4.7	606	4.5	80	526	29	4.5	12,791
<b>Men</b>										
16 years and over .....	96,048	72,125	75.1	68,258	71.1	2,766	65,492	3,867	5.4	23,923
16 to 19 years .....	7,518	4,030	53.6	3,295	43.8	283	3,012	734	18.2	3,488
16 to 17 years .....	3,937	1,644	41.8	1,289	32.7	133	1,156	355	21.6	2,293
18 to 19 years .....	3,581	2,386	66.6	2,006	56.0	150	1,856	380	15.9	1,195
20 to 24 years .....	8,601	7,152	83.2	6,406	74.5	253	6,153	746	10.4	1,449
25 to 54 years .....	56,666	51,943	91.7	49,855	88.0	1,640	48,215	2,088	4.0	4,723
25 to 34 years .....	19,826	18,445	93.0	17,580	88.7	623	16,956	865	4.7	1,381
25 to 29 years .....	9,323	8,707	93.4	8,242	88.4	307	7,935	465	5.3	616
30 to 34 years .....	10,503	9,738	92.7	9,338	88.9	316	9,022	400	4.1	765
35 to 44 years .....	21,253	19,561	92.0	18,822	88.6	596	18,226	739	3.8	1,691
35 to 39 years .....	11,032	10,188	92.4	9,812	88.9	305	9,507	376	3.7	844
40 to 44 years .....	10,221	9,374	91.7	9,011	88.2	292	8,719	363	3.9	847
45 to 54 years .....	15,587	13,936	89.4	13,452	86.3	420	13,032	484	3.5	1,651
45 to 49 years .....	8,929	8,112	90.8	7,796	87.3	266	7,530	317	3.9	817
50 to 54 years .....	6,658	5,824	87.5	5,657	85.0	154	5,502	167	2.9	834
55 to 64 years .....	9,975	6,736	67.5	6,518	65.3	293	6,225	218	3.2	3,238
55 to 59 years .....	5,364	4,184	78.0	4,058	75.6	177	3,880	126	3.0	1,180
60 to 64 years .....	4,611	2,553	55.4	2,461	53.4	116	2,345	92	3.6	2,058
65 years and over .....	13,288	2,264	17.0	2,183	16.4	296	1,887	80	3.5	11,024
65 to 69 years .....	4,493	1,221	27.2	1,183	26.3	135	1,048	38	3.1	3,272
70 to 74 years .....	3,712	687	18.5	659	17.8	105	554	28	4.1	3,024
75 years and over .....	5,083	355	7.0	341	6.7	56	285	14	3.9	4,728
<b>Women</b>										
16 years and over .....	104,230	61,433	58.9	58,133	55.8	933	57,201	3,300	5.4	42,797
16 to 19 years .....	7,305	3,698	50.6	3,076	42.1	58	3,018	622	16.8	3,607
16 to 17 years .....	3,705	1,540	41.6	1,234	33.3	24	1,210	306	19.9	2,165
18 to 19 years .....	3,600	2,157	59.9	1,842	51.2	34	1,807	316	14.6	1,443
20 to 24 years .....	8,799	6,225	70.7	5,662	64.3	70	5,592	563	9.0	2,574
25 to 54 years .....	58,737	44,571	75.9	42,713	72.7	606	42,107	1,858	4.2	14,166
25 to 34 years .....	20,495	15,271	74.5	14,432	70.4	184	14,249	839	5.5	5,224
25 to 29 years .....	9,702	7,288	75.1	6,880	70.9	84	6,796	408	5.6	2,414
30 to 34 years .....	10,793	7,983	74.0	7,553	70.0	100	7,453	431	5.4	2,810
35 to 44 years .....	21,857	16,930	77.5	16,313	74.6	240	16,073	617	3.6	4,928
35 to 39 years .....	11,355	8,695	76.6	8,324	73.3	102	8,222	370	4.3	2,660
40 to 44 years .....	10,502	8,235	78.4	7,989	76.1	138	7,851	246	3.0	2,267
45 to 54 years .....	16,384	12,370	75.5	11,968	73.0	182	11,786	402	3.2	4,014
45 to 49 years .....	9,367	7,300	77.9	7,087	75.7	103	6,984	213	2.9	2,067
50 to 54 years .....	7,017	5,070	72.3	4,881	69.6	79	4,802	189	3.7	1,947
55 to 64 years .....	11,003	5,326	48.4	5,141	46.7	114	5,027	185	3.5	5,678
55 to 59 years .....	5,817	3,372	58.0	3,254	55.9	54	3,200	117	3.5	2,445
60 to 64 years .....	5,186	1,954	37.7	1,887	36.4	60	1,827	67	3.4	3,232
65 years and over .....	18,386	1,614	8.8	1,542	8.4	85	1,457	72	4.5	16,772
65 to 69 years .....	5,197	901	17.3	861	16.6	33	828	40	4.4	4,296
70 to 74 years .....	4,847	433	8.9	416	8.6	27	388	17	4.0	4,414
75 years and over .....	8,343	280	3.4	265	3.2	24	241	15	5.3	8,063

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-13. Employment status of the civilian noninstitutional population by age, sex, and race—Continued**

(Numbers in thousands)

Age, sex, and race	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed				Unemployed		Not in labor force
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>WHITE</b>										
16 years and over .....	168,098	112,854	67.1	107,536	64.0	3,537	103,999	5,317	4.7	55,244
16 to 19 years .....	11,769	6,547	55.6	5,535	47.0	341	5,194	1,012	15.5	5,222
16 to 17 years .....	5,988	2,733	45.6	2,221	37.1	157	2,064	512	18.7	3,255
18 to 19 years .....	5,781	3,814	66.0	3,313	57.3	184	3,130	500	13.1	1,967
20 to 24 years .....	13,926	11,010	79.1	10,059	72.2	313	9,746	950	8.6	2,916
25 to 54 years .....	95,950	81,167	84.6	78,254	81.6	2,132	76,122	2,913	3.6	14,783
25 to 34 years .....	32,947	27,812	84.4	26,643	80.9	762	25,881	1,169	4.2	5,134
25 to 29 years .....	15,488	13,153	84.9	12,553	81.1	371	12,182	600	4.6	2,335
30 to 34 years .....	17,459	14,659	84.0	14,090	80.7	391	13,699	569	3.9	2,800
35 to 44 years .....	35,755	30,642	85.7	29,627	82.9	803	28,824	1,015	3.3	5,113
35 to 39 years .....	18,505	15,797	85.4	15,264	82.5	395	14,869	533	3.4	2,707
40 to 44 years .....	17,250	14,845	86.1	14,363	83.3	408	13,955	482	3.2	2,406
45 to 54 years .....	27,249	22,713	83.4	21,984	80.7	567	21,417	729	3.2	4,536
45 to 49 years .....	15,489	13,225	85.4	12,799	82.6	346	12,453	426	3.2	2,265
50 to 54 years .....	11,759	9,488	80.7	9,186	78.1	221	8,965	302	3.2	2,271
55 to 64 years .....	18,098	10,599	58.6	10,290	56.9	385	9,905	309	2.9	7,499
55 to 59 years .....	9,582	6,592	68.8	6,410	66.9	221	6,189	182	2.8	2,990
60 to 64 years .....	8,516	4,007	47.1	3,880	45.6	164	3,716	127	3.2	4,509
65 years and over .....	28,355	3,531	12.5	3,398	12.0	365	3,032	133	3.8	24,824
85 to 69 years .....	8,513	1,927	22.6	1,853	21.8	161	1,693	73	3.8	6,586
70 to 74 years .....	7,653	1,015	13.3	978	12.8	129	849	37	3.7	6,638
75 years and over .....	12,189	589	4.8	567	4.6	76	491	23	3.8	11,600
<b>Men</b>										
16 years and over .....	81,374	61,812	76.0	58,917	72.4	2,632	56,285	2,895	4.7	19,562
16 to 19 years .....	6,010	3,445	57.3	2,891	48.1	283	2,608	553	16.1	2,565
16 to 17 years .....	3,080	1,422	46.2	1,145	37.2	134	1,011	277	19.5	1,658
18 to 19 years .....	2,930	2,023	69.0	1,746	59.6	150	1,597	277	13.7	907
20 to 24 years .....	6,979	5,939	85.1	5,389	77.2	247	5,142	550	9.3	1,039
25 to 54 years .....	47,724	44,378	93.0	42,821	89.7	1,540	41,281	1,556	3.5	3,346
25 to 34 years .....	16,443	15,485	94.2	14,874	90.5	586	14,289	611	3.9	958
25 to 29 years .....	7,718	7,290	94.4	6,954	90.1	290	6,664	335	4.6	428
30 to 34 years .....	8,725	8,196	93.9	7,920	90.8	295	7,625	276	3.4	529
35 to 44 years .....	17,839	16,708	93.7	16,159	90.6	565	15,594	549	3.3	1,132
35 to 39 years .....	9,247	8,696	94.0	8,424	91.1	294	8,131	272	3.1	551
40 to 44 years .....	8,592	8,011	93.2	7,734	90.0	271	7,463	277	3.5	581
45 to 54 years .....	13,441	12,184	90.7	11,788	87.7	390	11,398	396	3.3	1,256
45 to 49 years .....	7,675	7,072	92.1	6,818	88.8	244	6,573	254	3.6	603
50 to 54 years .....	5,766	5,113	88.7	4,971	86.2	146	4,825	142	2.8	654
55 to 64 years .....	8,715	5,993	68.8	5,825	66.8	278	5,547	168	2.8	2,722
55 to 59 years .....	4,650	3,700	79.6	3,611	77.7	170	3,441	88	2.4	950
60 to 64 years .....	4,065	2,293	56.4	2,214	54.5	107	2,106	79	3.5	1,772
65 years and over .....	11,947	2,057	17.2	1,990	16.7	284	1,707	67	3.3	9,890
65 to 69 years .....	3,918	1,101	28.1	1,065	27.2	127	938	36	3.3	2,817
70 to 74 years .....	3,365	625	18.6	604	17.9	102	502	20	3.3	2,741
75 years and over .....	4,664	331	7.1	321	6.9	54	267	10	3.1	4,332
<b>Women</b>										
16 years and over .....	86,724	51,042	58.9	48,619	56.1	905	47,714	2,423	4.7	35,682
16 to 19 years .....	5,760	3,102	53.9	2,643	45.9	58	2,585	459	14.8	2,657
16 to 17 years .....	2,909	1,311	45.1	1,076	37.0	24	1,053	235	17.9	1,597
18 to 19 years .....	2,851	1,791	62.8	1,567	55.0	34	1,533	224	12.5	1,060
20 to 24 years .....	6,947	5,070	73.0	4,670	67.2	66	4,604	400	7.9	1,877
25 to 54 years .....	48,227	36,790	76.3	35,433	73.5	591	34,842	1,357	3.7	11,437
25 to 34 years .....	16,503	12,327	74.7	11,769	71.3	177	11,592	558	4.5	4,176
25 to 29 years .....	7,770	5,863	75.5	5,599	72.1	81	5,518	264	4.5	1,906
30 to 34 years .....	8,734	6,463	74.0	6,170	70.6	96	6,074	293	4.5	2,270
35 to 44 years .....	17,916	13,934	77.8	13,468	75.2	238	13,230	466	3.3	3,981
35 to 39 years .....	9,257	7,101	76.7	6,839	73.9	101	6,739	261	3.7	2,157
40 to 44 years .....	8,658	6,834	78.9	6,629	76.6	137	6,492	205	3.0	1,825
45 to 54 years .....	13,806	10,528	76.2	10,196	73.8	177	10,019	333	3.2	3,280
45 to 49 years .....	7,815	6,153	78.7	5,981	76.5	102	5,879	172	2.8	1,662
50 to 54 years .....	5,993	4,375	73.0	4,215	70.3	75	4,140	160	3.7	1,618
55 to 64 years .....	9,383	4,606	49.1	4,465	47.6	107	4,358	141	3.1	4,777
55 to 59 years .....	4,932	2,892	58.6	2,798	56.7	50	2,748	94	3.2	2,040
60 to 64 years .....	4,451	1,714	38.5	1,667	37.4	57	1,610	48	2.8	2,737
65 years and over .....	16,407	1,473	9.0	1,407	8.6	82	1,325	66	4.5	14,934
65 to 69 years .....	4,595	825	18.0	788	17.2	34	755	37	4.5	3,769
70 to 74 years .....	4,287	390	9.1	374	8.7	26	347	17	4.3	3,897
75 years and over .....	7,525	258	3.4	246	3.3	22	224	13	4.8	7,267

A-13. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	May 1996									
	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Percent of population	Employed				Unemployed		
			Total	Percent of population	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force		
<b>BLACK</b>										
16 years and over .....	23,549	15,080	64.0	13,571	57.6	99	13,472	1,510	10.0	8,469
16 to 19 years .....	2,339	941	40.2	647	27.6	-	647	295	31.3	1,398
16 to 17 years .....	1,221	344	28.2	223	18.2	-	223	121	35.3	877
18 to 19 years .....	1,118	597	53.4	424	37.9	-	424	173	29.0	521
20 to 24 years .....	2,516	1,754	69.7	1,460	58.0	6	1,453	294	16.8	763
25 to 54 years .....	13,985	11,107	79.4	10,268	73.4	76	10,192	839	7.6	2,878
25 to 34 years .....	5,325	4,331	81.3	3,873	72.7	34	3,839	457	10.6	995
25 to 29 years .....	2,552	2,091	81.9	1,858	72.8	14	1,845	232	11.1	461
30 to 34 years .....	2,773	2,240	80.8	2,015	72.7	21	1,994	225	10.1	533
35 to 44 years .....	5,283	4,234	80.1	3,958	74.9	20	3,938	276	6.5	1,049
35 to 39 years .....	2,798	2,247	80.3	2,079	74.3	8	2,072	168	7.5	550
40 to 44 years .....	2,486	1,987	79.9	1,879	75.6	12	1,867	108	5.4	499
45 to 54 years .....	3,377	2,542	75.3	2,436	72.1	21	2,415	106	4.2	835
45 to 49 years .....	1,996	1,551	77.7	1,482	74.3	17	1,465	69	4.5	444
50 to 54 years .....	1,381	991	71.7	954	69.1	4	949	37	3.7	390
55 to 64 years .....	2,105	1,015	48.2	953	45.3	11	941	63	6.2	1,089
55 to 59 years .....	1,135	670	59.1	624	55.0	7	617	46	6.9	465
60 to 64 years .....	970	345	35.6	329	33.9	4	325	16	4.8	625
65 years and over .....	2,603	263	10.1	244	9.4	5	239	19	7.3	2,340
65 to 69 years .....	930	156	16.7	151	16.2	3	148	5	3.2	774
70 to 74 years .....	665	76	11.5	68	10.2	-	68	8	10.8	589
75 years and over .....	1,008	31	3.1	25	2.5	2	23	6	( <sup>1</sup> )	977
<b>Men</b>										
16 years and over .....	10,549	7,273	68.9	6,483	61.5	86	6,398	789	10.8	3,277
16 to 19 years .....	1,150	465	40.4	311	27.0	-	311	154	33.1	685
16 to 17 years .....	612	159	26.0	92	15.0	-	92	67	42.2	453
18 to 19 years .....	538	306	56.8	219	40.7	-	219	87	28.4	232
20 to 24 years .....	1,150	876	76.1	714	62.1	4	710	161	18.4	275
25 to 54 years .....	6,315	5,284	83.7	4,861	77.0	67	4,793	424	8.0	1,031
25 to 34 years .....	2,384	2,095	87.9	1,881	78.9	30	1,851	214	10.2	289
25 to 29 years .....	1,129	1,018	90.2	911	80.7	12	899	107	10.5	111
30 to 34 years .....	1,256	1,077	85.8	970	77.2	18	952	107	10.0	179
35 to 44 years .....	2,415	1,997	82.7	1,843	76.3	19	1,823	154	7.7	418
35 to 39 years .....	1,274	1,054	82.7	972	76.3	8	964	83	7.8	220
40 to 44 years .....	1,140	942	82.7	871	76.4	12	859	72	7.6	198
45 to 54 years .....	1,516	1,192	78.6	1,137	75.0	18	1,119	55	4.6	324
45 to 49 years .....	901	729	80.9	689	76.4	16	673	40	5.5	172
50 to 54 years .....	615	463	75.3	448	72.9	19	446	15	3.2	152
55 to 64 years .....	912	504	55.3	468	51.3	12	456	36	7.2	408
55 to 59 years .....	496	321	64.7	293	59.1	7	286	28	8.6	175
60 to 64 years .....	416	184	44.1	175	42.0	5	170	9	4.7	233
65 years and over .....	1,022	144	14.1	130	12.7	3	127	14	9.7	879
65 to 69 years .....	450	87	19.4	84	18.7	3	81	3	3.2	363
70 to 74 years .....	247	44	17.9	37	14.9	-	37	7	( <sup>1</sup> )	203
75 years and over .....	325	12	3.8	9	2.6	-	9	4	( <sup>1</sup> )	312
<b>Women</b>										
16 years and over .....	13,000	7,808	60.1	7,087	54.5	13	7,075	721	9.2	5,192
16 to 19 years .....	1,190	477	40.1	336	28.2	-	336	141	29.5	713
16 to 17 years .....	609	185	30.4	131	21.5	-	131	54	29.4	424
18 to 19 years .....	580	291	50.2	205	35.3	-	205	86	29.6	289
20 to 24 years .....	1,366	878	64.3	746	54.6	2	743	132	15.1	488
25 to 54 years .....	7,670	5,823	75.9	5,407	70.5	8	5,399	416	7.1	1,848
25 to 34 years .....	2,941	2,236	76.0	1,992	67.7	4	1,988	243	10.9	705
25 to 29 years .....	1,423	1,073	75.4	948	66.6	2	945	125	11.7	351
30 to 34 years .....	1,517	1,163	76.6	1,045	68.9	2	1,043	118	10.1	355
35 to 44 years .....	2,869	2,237	78.0	2,116	73.8	1	2,115	121	5.4	631
35 to 39 years .....	1,523	1,193	78.3	1,108	72.7	-	1,108	85	7.1	330
40 to 44 years .....	1,346	1,044	77.6	1,008	74.9	1	1,008	36	3.5	301
45 to 54 years .....	1,861	1,350	72.5	1,299	69.8	3	1,295	51	3.8	511
45 to 49 years .....	1,095	822	75.1	793	72.5	1	792	29	3.5	272
50 to 54 years .....	766	527	68.9	505	66.0	2	504	22	4.2	239
55 to 64 years .....	1,193	511	42.9	485	40.6	-	485	27	5.2	682
55 to 59 years .....	639	349	54.7	331	51.8	-	331	19	5.4	289
60 to 64 years .....	554	162	29.2	154	27.8	-	154	8	4.8	392
65 years and over .....	1,581	119	7.5	114	7.2	2	112	5	4.3	1,462
65 to 69 years .....	479	68	14.3	66	13.8	-	66	2	( <sup>1</sup> )	411
70 to 74 years .....	418	32	7.6	31	7.4	-	31	1	( <sup>1</sup> )	386
75 years and over .....	684	19	2.8	17	2.4	2	14	2	( <sup>1</sup> )	665

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-14. 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 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
<b>TOTAL</b>								
Civilian noninstitutional population .....	198,286	200,278	87,691	88,530	96,141	96,925	14,454	14,823
Civilian labor force .....	131,739	133,558	67,312	68,095	56,885	57,735	7,542	7,727
Percent of population .....	66.4	66.7	76.8	76.9	59.2	59.6	52.2	52.1
Employed .....	124,554	126,391	64,101	64,963	54,307	55,058	6,147	6,371
Agriculture .....	3,558	3,698	2,379	2,482	879	875	300	341
Nonagricultural industries .....	120,996	122,693	61,722	62,480	53,428	54,183	5,846	6,030
Unemployed .....	7,185	7,166	3,212	3,133	2,578	2,677	1,395	1,356
Unemployment rate .....	5.5	5.4	4.8	4.6	4.5	4.6	18.5	17.6
Not in labor force .....	66,547	66,721	20,379	20,435	39,256	39,190	6,912	7,096
<b>White</b>								
Civilian noninstitutional population .....	166,708	168,098	74,786	75,365	80,491	80,964	11,432	11,769
Civilian labor force .....	111,494	112,854	57,653	58,367	47,426	47,939	6,415	6,547
Percent of population .....	66.9	67.1	77.1	77.4	58.9	59.2	56.1	55.6
Employed .....	106,116	107,536	55,176	56,026	45,539	45,976	5,400	5,535
Agriculture .....	3,285	3,537	2,166	2,349	835	847	284	341
Nonagricultural industries .....	102,831	103,999	53,011	53,677	44,704	45,129	5,116	5,194
Unemployed .....	5,378	5,317	2,477	2,341	1,886	1,964	1,015	1,012
Unemployment rate .....	4.8	4.7	4.3	4.0	4.0	4.1	15.8	15.5
Not in labor force .....	55,214	55,244	17,133	16,997	33,065	33,025	5,017	5,222
<b>Black</b>								
Civilian noninstitutional population .....	23,192	23,549	9,246	9,400	11,658	11,810	2,288	2,339
Civilian labor force .....	14,723	15,080	6,760	6,808	7,111	7,331	851	941
Percent of population .....	63.5	64.0	73.1	72.4	61.0	62.1	37.2	40.2
Employed .....	13,274	13,571	6,183	6,173	6,567	6,751	525	647
Agriculture .....	97	99	80	86	8	13	10	-
Nonagricultural industries .....	13,178	13,472	6,103	6,087	6,559	6,739	515	647
Unemployed .....	1,449	1,510	578	635	544	580	327	295
Unemployment rate .....	9.8	10.0	8.5	9.3	7.7	7.9	38.4	31.3
Not in labor force .....	8,469	8,469	2,486	2,592	4,547	4,479	1,436	1,398

**A-15. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin**

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time	Part time	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	16,096	7,900	49.1	6,831	1,356	5,476	1,069	425	643	13.5
16 to 19 years .....	11,421	5,206	45.6	4,382	478	3,904	824	266	558	15.8
20 to 24 years .....	4,675	2,694	57.6	2,450	878	1,571	245	160	85	9.1
High school .....	9,796	4,248	43.4	3,544	257	3,287	704	200	504	16.6
College .....	6,300	3,652	58.0	3,288	1,099	2,189	365	226	139	10.0
Full-time students .....	5,278	2,765	52.4	2,479	611	1,868	286	171	115	10.3
Part-time students .....	1,022	888	86.8	809	488	320	79	54	25	8.9
Men, 16 to 24 years .....	8,025	3,912	48.8	3,343	725	2,619	569	257	312	14.5
16 to 19 years .....	5,839	2,668	45.7	2,220	279	1,941	448	165	283	16.8
20 to 24 years .....	2,186	1,244	56.9	1,124	445	678	121	92	29	9.7
High school .....	5,111	2,227	43.6	1,844	146	1,697	383	131	252	17.2
College .....	2,914	1,685	57.8	1,500	578	921	186	126	59	11.0
Full-time students .....	2,447	1,263	51.6	1,125	323	801	138	96	43	11.0
Part-time students .....	468	422	90.3	375	255	120	47	31	17	11.2
Women, 16 to 24 years .....	8,071	3,988	49.4	3,488	631	2,857	500	168	332	12.5
18 to 19 years .....	5,582	2,538	45.5	2,162	198	1,963	376	101	275	14.8
20 to 24 years .....	2,489	1,450	58.2	1,326	433	893	124	67	56	8.5
High school .....	4,685	2,020	43.1	1,700	110	1,590	321	69	252	15.9
College .....	3,386	1,967	58.1	1,788	521	1,267	179	99	80	9.1
Full-time students .....	2,831	1,502	53.1	1,354	287	1,067	147	76	72	9.8
Part-time students .....	555	466	83.9	434	233	200	32	24	8	6.8
<b>White</b>										
Total, 16 to 24 years .....	12,635	6,664	52.7	5,816	1,110	4,707	847	332	515	12.7
16 to 19 years .....	9,065	4,495	49.6	3,835	416	3,419	660	207	453	14.7
20 to 24 years .....	3,569	2,169	60.8	1,981	694	1,287	187	125	62	8.6
Men .....	6,373	3,344	52.5	2,882	606	2,276	462	198	264	13.8
Women .....	6,262	3,320	53.0	2,935	504	2,431	385	134	251	11.6
High school .....	7,703	3,672	47.7	3,102	205	2,898	570	154	416	15.5
College .....	4,932	2,992	60.7	2,714	905	1,809	278	178	99	9.3
Full-time students .....	4,111	2,267	55.2	2,049	511	1,538	218	141	77	9.6
Part-time students .....	821	725	88.2	665	394	271	59	37	22	8.2
<b>Black</b>										
Total, 16 to 24 years .....	2,416	867	35.9	694	186	508	173	68	104	19.9
16 to 19 years .....	1,744	543	31.1	404	54	350	139	53	86	25.6
20 to 24 years .....	673	324	48.1	290	132	158	34	16	18	10.5
Men .....	1,130	386	34.2	304	84	220	82	43	39	21.3
Women .....	1,286	481	37.4	390	102	288	91	25	65	18.9
High school .....	1,582	444	28.0	332	40	292	112	41	71	25.2
College .....	834	423	50.7	362	146	216	61	28	33	14.5
Full-time students .....	676	297	44.0	253	64	189	44	13	31	14.7
Part-time students .....	158	126	79.5	109	81	27	17	15	2	13.8
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,815	686	37.8	544	158	386	142	54	88	20.7
16 to 19 years .....	1,352	410	30.3	307	60	247	103	29	74	25.1
20 to 24 years .....	463	276	59.6	237	98	139	39	25	14	14.2
Men .....	929	371	39.9	291	104	187	80	41	39	21.5
Women .....	886	315	35.6	253	54	199	62	13	49	19.7
High school .....	1,240	340	27.4	243	40	203	97	33	64	28.6
College .....	574	346	60.2	301	118	183	45	21	24	13.0
Full-time students .....	442	233	52.7	198	59	138	35	14	21	15.0
Part-time students .....	133	113	85.4	103	59	45	10	6	4	8.9

See footnotes at end of table.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-15. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, educational attainment, sex, race, and Hispanic origin—Continued**

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	May 1996									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
Total	Full time			Part time	Total	Looking for full-time work	Looking for part-time work			
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	16,128	13,204	81.9	11,608	9,339	2,269	1,597	1,416	181	12.1
16 to 19 years .....	3,402	2,522	74.1	1,989	1,339	650	532	451	81	21.1
20 to 24 years .....	12,725	10,683	83.9	9,618	8,000	1,619	1,064	965	100	10.0
Less than a high school diploma .....	4,017	2,538	63.2	1,972	1,479	493	566	491	75	22.3
High school graduates, no college .....	6,275	5,360	85.4	4,742	3,871	871	618	566	51	11.5
Less than a bachelor's degree .....	4,454	3,987	89.5	3,645	2,872	774	341	294	47	8.6
College graduates .....	1,382	1,320	95.5	1,248	1,116	131	72	64	8	5.4
Men, 16 to 24 years .....	8,095	7,269	89.8	6,358	5,473	886	911	840	71	12.5
16 to 19 years .....	1,679	1,362	81.1	1,076	804	271	286	245	42	21.0
20 to 24 years .....	6,415	5,908	92.1	5,283	4,668	615	625	595	30	10.6
Less than a high school diploma .....	2,101	1,677	79.8	1,341	1,104	237	336	306	30	20.0
High school graduates, no college .....	3,252	3,027	93.1	2,666	2,339	327	361	349	12	11.9
Less than a bachelor's degree .....	2,155	1,990	92.3	1,814	1,521	294	176	147	29	8.8
College graduates .....	587	576	98.1	537	509	28	39	38	1	6.7
Women, 16 to 24 years .....	8,033	5,935	73.9	5,249	3,866	1,383	686	576	110	11.6
16 to 19 years .....	1,723	1,160	67.3	914	534	379	246	207	40	21.2
20 to 24 years .....	6,310	4,775	75.7	4,336	3,332	1,004	439	369	70	9.2
Less than a high school diploma .....	1,916	861	45.0	631	375	256	230	185	45	26.7
High school graduates, no college .....	3,024	2,333	77.2	2,076	1,533	544	257	217	39	11.0
Less than a bachelor's degree .....	2,299	1,996	86.8	1,831	1,351	480	165	147	18	8.3
College graduates .....	795	744	93.6	711	607	103	33	26	7	4.5
<b>White</b>										
Total, 16 to 24 years .....	13,060	10,893	83.4	9,778	7,890	1,888	1,115	981	134	10.2
16 to 19 years .....	2,704	2,052	75.9	1,699	1,154	545	352	298	54	17.2
20 to 24 years .....	10,356	8,841	85.4	8,078	6,735	1,343	763	683	80	8.6
Men .....	6,615	6,040	91.3	5,398	4,680	718	642	594	48	10.6
Women .....	6,445	4,853	75.3	4,379	3,209	1,170	473	388	86	9.8
Less than a high school diploma .....	3,148	2,065	65.6	1,678	1,269	408	387	336	51	18.8
High school graduates, no college .....	5,027	4,338	86.3	3,928	3,220	709	409	371	39	9.4
Less than a bachelor's degree .....	3,671	3,333	90.8	3,080	2,426	654	253	215	38	7.6
College graduates .....	1,214	1,157	95.4	1,092	975	117	66	60	6	5.7
<b>Black</b>										
Total, 16 to 24 years .....	2,439	1,828	74.9	1,412	1,099	313	416	384	32	22.7
16 to 19 years .....	595	398	66.9	242	145	98	156	137	19	39.1
20 to 24 years .....	1,844	1,430	77.6	1,170	954	216	260	247	13	18.2
Men .....	1,170	954	81.5	721	586	135	233	217	16	24.5
Women .....	1,269	874	68.9	691	513	178	182	167	15	20.9
Less than a high school diploma .....	703	388	55.3	231	159	73	157	141	16	40.4
High school graduates, no college .....	1,034	836	80.9	649	510	140	186	174	13	22.3
Less than a bachelor's degree .....	613	516	84.1	443	351	92	73	70	3	14.1
College graduates .....	90	88	98.3	89	80	9	-	-	-	-
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,653	1,937	73.0	1,712	1,350	362	225	193	32	11.6
16 to 19 years .....	588	368	62.9	299	217	82	69	54	16	18.8
20 to 24 years .....	2,067	1,569	75.9	1,413	1,133	280	156	139	17	9.9
Men .....	1,376	1,249	90.8	1,102	903	199	146	133	13	11.7
Women .....	1,277	688	53.9	610	447	163	79	60	19	11.4
Less than a high school diploma .....	1,309	790	60.3	686	552	134	104	91	13	13.1
High school graduates, no college .....	892	737	82.6	646	509	136	91	77	14	12.3
Less than a bachelor's degree .....	406	369	91.0	341	255	86	28	23	5	7.6
College graduates .....	46	42	( <sup>1</sup> )	39	33	6	3	3	-	( <sup>1</sup> )

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and college students into that group. Detail for the above race and Hispanic-origin

groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA**  
**NOT SEASONALLY ADJUSTED**

**A-16. Employed and unemployed full- and part-time workers by age, sex, and race**

(In thousands)

Age, sex, and race	May 1996									
	Employed <sup>1</sup>							Unemployed		
	Full-time workers				Part-time workers				Looking for full-time work	Looking for part-time work
	Total	At work		Not at work	Total	At work <sup>2</sup>		Not at work		
35 hours or more		1 to 34 hours for economic or noneconomic reasons	Part time for economic reasons			Part time for noneconomic reasons				
<b>TOTAL</b>										
Total, 16 years and over .....	103,290	91,670	8,596	3,023	23,101	3,077	18,622	1,403	5,829	1,337
16 to 19 years .....	1,816	1,513	261	43	4,554	338	4,046	171	717	640
16 to 17 years .....	217	168	40	9	2,306	41	2,167	99	202	459
18 to 19 years .....	1,599	1,345	221	34	2,249	297	1,879	72	515	180
20 years and over .....	101,474	90,158	8,336	2,980	18,547	2,739	14,576	1,232	5,112	698
20 to 24 years .....	8,878	7,786	838	254	3,190	608	2,423	159	1,124	185
25 years and over .....	92,596	82,372	7,498	2,726	15,357	2,131	12,153	1,073	3,988	513
25 to 54 years .....	81,311	72,588	6,465	2,278	11,257	1,899	8,631	727	3,578	368
55 years and over .....	11,285	9,804	1,032	448	4,100	231	3,522	346	410	145
<b>Men, 16 years and over .....</b>	<b>60,908</b>	<b>55,002</b>	<b>4,318</b>	<b>1,589</b>	<b>7,350</b>	<b>1,305</b>	<b>5,692</b>	<b>353</b>	<b>3,309</b>	<b>558</b>
16 to 19 years .....	1,084	909	139	36	2,212	164	1,983	65	410	325
16 to 17 years .....	59,825	54,093	4,179	1,553	5,138	1,141	3,709	288	2,899	233
20 to 24 years .....	5,113	4,569	420	125	1,293	282	960	51	688	58
25 years and over .....	54,711	49,524	3,759	1,428	3,845	859	2,749	237	2,212	175
25 to 54 years .....	47,709	43,321	3,225	1,163	2,145	759	1,259	127	1,985	103
55 years and over .....	7,002	6,203	534	265	1,700	99	1,490	111	227	71
<b>Women, 16 years and over .....</b>	<b>42,382</b>	<b>36,669</b>	<b>4,279</b>	<b>1,434</b>	<b>15,752</b>	<b>1,772</b>	<b>12,930</b>	<b>1,050</b>	<b>2,520</b>	<b>779</b>
16 to 19 years .....	733	604	122	7	2,343	174	2,063	106	307	315
20 years and over .....	41,649	36,065	4,157	1,427	13,409	1,598	10,867	944	2,213	465
20 to 24 years .....	3,764	3,217	418	129	1,897	327	1,463	108	437	127
25 years and over .....	37,884	32,848	3,739	1,298	11,512	1,272	9,404	836	1,776	338
25 to 54 years .....	33,601	29,246	3,241	1,114	9,112	1,140	7,372	600	1,593	264
55 years and over .....	4,283	3,601	498	184	2,400	132	2,033	235	183	74
<b>White</b>										
<b>Men, 16 years and over .....</b>	<b>52,696</b>	<b>47,842</b>	<b>3,671</b>	<b>1,384</b>	<b>6,221</b>	<b>1,008</b>	<b>4,914</b>	<b>299</b>	<b>2,445</b>	<b>450</b>
16 to 19 years .....	949	827	85	27	1,942	120	1,772	50	285	268
20 years and over .....	51,747	46,815	3,575	1,357	4,279	888	3,142	248	2,159	182
20 to 24 years .....	4,337	3,861	366	109	1,052	243	766	43	506	44
25 years and over .....	47,410	42,953	3,209	1,248	3,227	645	2,376	205	1,654	138
25 to 54 years .....	41,127	37,406	2,716	1,005	1,694	567	1,025	102	1,480	76
55 years and over .....	6,283	5,548	492	243	1,533	78	1,352	103	173	61
<b>Women, 16 years and over .....</b>	<b>34,760</b>	<b>29,970</b>	<b>3,597</b>	<b>1,193</b>	<b>13,859</b>	<b>1,433</b>	<b>11,477</b>	<b>948</b>	<b>1,798</b>	<b>624</b>
16 to 19 years .....	621	519	96	6	2,023	134	1,798	90	220	239
20 years and over .....	34,140	29,452	3,500	1,187	11,836	1,299	9,680	858	1,578	386
20 to 24 years .....	3,092	2,634	340	118	1,578	254	1,229	95	302	98
25 years and over .....	31,047	26,818	3,160	1,069	10,258	1,044	8,451	763	1,276	288
25 to 54 years .....	27,352	23,746	2,705	901	8,082	934	6,606	541	1,125	231
55 years and over .....	3,696	3,073	456	168	2,176	110	1,845	222	151	56
<b>Black</b>										
<b>Men, 16 years and over .....</b>	<b>5,742</b>	<b>5,111</b>	<b>487</b>	<b>144</b>	<b>741</b>	<b>201</b>	<b>507</b>	<b>33</b>	<b>704</b>	<b>85</b>
16 to 19 years .....	108	61	38	9	203	33	162	8	107	47
20 years and over .....	5,635	5,050	449	135	538	168	345	26	597	38
20 to 24 years .....	562	519	38	5	152	30	120	2	153	9
25 years and over .....	5,073	4,531	412	130	386	138	224	23	444	30
25 to 54 years .....	4,581	4,073	384	125	279	124	139	16	404	20
55 years and over .....	491	458	28	5	107	14	85	8	40	10
<b>Women, 16 years and over .....</b>	<b>5,757</b>	<b>5,066</b>	<b>525</b>	<b>165</b>	<b>1,331</b>	<b>271</b>	<b>992</b>	<b>67</b>	<b>602</b>	<b>118</b>
16 to 19 years .....	91	65	25	1	245	36	202	8	82	58
20 years and over .....	5,666	5,001	501	164	1,086	236	791	59	520	60
20 to 24 years .....	524	459	58	8	221	65	154	3	110	22
25 years and over .....	5,141	4,542	443	156	864	171	637	57	410	38
25 to 54 years .....	4,700	4,146	408	146	707	156	506	45	391	24
55 years and over .....	441	398	35	10	158	15	131	12	18	13

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

status.

<sup>2</sup> Includes some persons at work 35 hours or more classified by their reason for working part time.



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-17. Employed persons 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 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
Total .....	124,554	126,391	67,227	68,258	64,101	64,963	57,327	58,133	54,307	55,058
Managerial and professional specialty .....	35,273	36,339	18,422	18,660	18,306	18,580	16,851	17,680	16,713	17,547
Executive, administrative, and managerial .....	16,984	17,675	9,798	10,037	9,748	10,007	7,186	7,638	7,136	7,592
Officials and administrators, public administration .....	700	752	361	423	361	423	339	329	336	329
Other executive, administrative, and managerial .....	11,988	12,551	7,371	7,683	7,324	7,660	4,616	4,868	4,575	4,826
Management-related occupations .....	4,297	4,371	2,066	1,930	2,064	1,925	2,230	2,441	2,223	2,437
Professional specialty .....	18,289	18,665	8,624	8,623	8,558	8,573	9,665	10,042	9,577	9,956
Engineers .....	1,880	1,907	1,723	1,759	1,723	1,759	157	147	157	147
Mathematical and computer scientists .....	1,138	1,342	786	927	786	925	352	415	352	415
Natural scientists .....	538	570	396	417	396	417	142	153	142	153
Health diagnosing occupations .....	970	940	757	712	756	710	214	229	214	229
Health assessment and treating occupations .....	2,770	2,821	425	402	423	400	2,345	2,419	2,340	2,415
Teachers, college and university .....	937	941	543	538	540	535	394	404	393	400
Teachers, except college and university .....	4,794	4,791	1,209	1,220	1,190	1,212	3,585	3,571	3,537	3,534
Lawyers and judges .....	871	786	628	548	628	548	243	237	241	237
Other professional specialty occupations .....	4,392	4,567	2,158	2,100	2,116	2,067	2,233	2,468	2,201	2,425
Technical, sales, and administrative support .....	37,189	37,417	13,405	13,552	12,757	12,886	23,784	23,865	22,297	22,255
Technicians and related support .....	3,896	3,788	1,941	1,831	1,928	1,796	1,955	1,957	1,941	1,941
Health technologists and technicians .....	1,643	1,563	374	349	371	347	1,269	1,215	1,262	1,208
Engineering and science technicians .....	1,126	1,131	880	847	872	823	246	284	241	279
Technicians, except health, engineering, and science .....	1,127	1,094	687	635	685	626	440	459	437	455
Sales occupations .....	14,974	15,215	7,705	7,808	7,244	7,372	7,269	7,406	6,287	6,330
Supervisors and proprietors .....	4,528	4,501	2,776	2,848	2,760	2,834	1,752	1,653	1,726	1,632
Sales representatives, finance and business services .....	2,386	2,540	1,388	1,492	1,376	1,463	998	1,048	982	1,024
Sales representatives, commodities, except retail .....	1,585	1,500	1,257	1,145	1,256	1,139	328	355	324	335
Sales workers, retail and personal services .....	6,397	6,603	2,266	2,303	1,834	1,915	4,131	4,300	3,196	3,291
Sales-related occupations .....	78	71	18	20	18	21	60	50	59	48
Administrative support, including clerical .....	18,318	18,414	3,759	3,912	3,585	3,718	14,560	14,502	14,069	13,984
Supervisors .....	686	680	290	265	290	264	396	415	389	414
Computer equipment operators .....	498	391	200	166	196	163	298	225	289	213
Secretaries, stenographers, and typists .....	4,091	3,956	75	72	74	71	4,016	3,884	3,927	3,787
Financial records processing .....	2,263	2,228	152	187	151	184	2,111	2,041	2,090	2,028
Mail and message distributing .....	1,049	1,061	666	700	645	679	383	362	374	349
Other administrative support, including clerical .....	9,732	10,098	2,376	2,523	2,229	2,357	7,356	7,575	6,999	7,192
Service occupations .....	16,953	17,329	6,672	7,156	5,702	6,153	10,280	10,174	9,180	9,121
Private household .....	712	746	20	36	15	26	692	710	629	603
Protective service .....	2,194	2,100	1,860	1,798	1,830	1,767	334	302	314	289
Service, except private household and protective .....	14,047	14,483	4,792	5,321	3,858	4,359	9,255	9,162	8,236	8,229
Food service .....	5,870	6,070	2,391	2,725	1,695	1,957	3,479	3,345	2,742	2,685
Health service .....	2,345	2,369	287	319	262	318	2,059	2,049	1,978	1,976
Cleaning and building service .....	2,900	3,218	1,536	1,754	1,416	1,628	1,363	1,464	1,298	1,419
Personal service .....	2,932	2,827	578	523	485	456	2,354	2,304	2,219	2,149
Precision production, craft, and repair .....	13,465	13,372	12,260	12,125	12,029	11,883	1,205	1,247	1,172	1,212
Mechanics and repairers .....	4,371	4,442	4,191	4,255	4,119	4,173	180	187	174	185
Construction trades .....	5,060	5,032	4,946	4,872	4,835	4,749	113	160	107	151
Other precision production, craft, and repair .....	4,034	3,898	3,123	2,998	3,075	2,961	912	900	890	876
Operators, fabricators, and laborers .....	17,899	18,181	13,460	13,729	12,625	12,758	4,440	4,452	4,219	4,280
Machine operators, assemblers, and inspectors .....	7,933	7,756	4,975	4,806	4,830	4,657	2,958	2,950	2,852	2,893
Transportation and material moving occupations .....	5,153	5,330	4,617	4,837	4,508	4,723	536	493	525	485
Motor vehicle operators .....	3,924	4,063	3,453	3,618	3,364	3,519	471	445	462	439
Other transportation and material moving occupations .....	1,229	1,267	1,163	1,218	1,144	1,205	65	48	63	46
Handlers, equipment cleaners, helpers, and laborers .....	4,813	5,095	3,868	4,086	3,287	3,377	945	1,009	843	902
Construction laborers .....	715	795	690	765	648	700	25	30	24	27
Other handlers, equipment cleaners, helpers, and laborers .....	4,098	4,300	3,178	3,321	2,639	2,678	920	979	819	875
Farming, forestry, and fishing .....	3,775	3,752	3,008	3,037	2,680	2,702	767	715	727	643
Farm operators and managers .....	1,512	1,297	1,128	1,012	1,081	1,004	384	285	374	284
Other farming, forestry, and fishing occupations .....	2,263	2,456	1,880	2,025	1,599	1,698	383	430	353	358

A-18. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	124,554	126,391	67,227	68,258	57,327	58,133
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	28.3	28.8	27.4	27.3	29.4	30.4
Executive, administrative, and managerial .....	13.6	14.0	14.6	14.7	12.5	13.1
Professional specialty .....	14.7	14.8	12.8	12.6	16.9	17.3
Technical, sales, and administrative support .....	29.9	29.6	19.9	19.9	41.5	41.1
Technicians and related support .....	3.1	3.0	2.9	2.7	3.4	3.4
Sales occupations .....	12.0	12.0	11.5	11.4	12.7	12.7
Administrative support, including clerical .....	14.7	14.6	5.6	5.7	25.4	24.9
Service occupations .....	13.6	13.7	9.9	10.5	17.9	17.5
Private household .....	.6	.6	( <sup>1</sup> )	.1	1.2	1.2
Protective service .....	1.8	1.7	2.8	2.6	.6	.5
Service, except private household and protective .....	11.3	11.5	7.1	7.8	16.1	15.8
Precision production, craft, and repair .....	10.8	10.6	18.2	17.8	2.1	2.1
Operators, fabricators, and laborers .....	14.4	14.4	20.0	20.1	7.7	7.7
Machine operators, assemblers, and inspectors .....	6.4	6.1	7.4	7.0	5.2	5.1
Transportation and material moving occupations .....	4.1	4.2	6.9	7.1	.9	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.9	4.0	5.8	6.0	1.6	1.7
Farming, forestry, and fishing .....	3.0	3.0	4.5	4.4	1.3	1.2
<b>White</b>						
Total, 16 years and over (thousands) .....	106,116	107,536	57,960	58,917	48,156	48,619
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	29.5	29.8	28.6	28.3	30.7	31.7
Executive, administrative, and managerial .....	14.4	14.7	15.5	15.4	13.1	13.8
Professional specialty .....	15.1	15.2	13.1	12.8	17.6	18.0
Technical, sales, and administrative support .....	30.1	29.7	20.2	19.9	42.1	41.5
Technicians and related support .....	3.1	2.9	2.9	2.6	3.4	3.3
Sales occupations .....	12.5	12.5	12.1	12.0	13.0	13.0
Administrative support, including clerical .....	14.5	14.3	5.2	5.2	25.8	25.2
Service occupations .....	12.5	12.5	8.9	9.4	16.8	16.3
Private household .....	.5	.5	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.2
Protective service .....	1.7	1.5	2.7	2.5	.4	.4
Service, except private household and protective .....	10.3	10.5	6.2	6.9	15.2	14.8
Precision production, craft, and repair .....	11.2	11.1	18.8	18.5	2.0	2.1
Operators, fabricators, and laborers .....	13.4	13.6	18.9	19.1	6.9	6.9
Machine operators, assemblers, and inspectors .....	5.9	5.7	7.0	6.7	4.5	4.4
Transportation and material moving occupations .....	4.0	4.1	6.5	6.8	.9	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.6	3.8	5.3	5.6	1.5	1.7
Farming, forestry, and fishing .....	3.2	3.3	4.7	4.9	1.5	1.4
<b>Black</b>						
Total, 16 years and over (thousands) .....	13,274	13,571	6,413	6,483	6,862	7,087
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	19.5	19.3	17.3	16.5	21.5	22.0
Executive, administrative, and managerial .....	8.9	8.6	8.5	8.0	9.3	9.2
Professional specialty .....	10.6	10.7	8.8	8.5	12.2	12.7
Technical, sales, and administrative support .....	28.8	29.0	18.0	17.6	38.8	39.4
Technicians and related support .....	2.9	2.9	2.4	2.4	3.3	3.4
Sales occupations .....	8.9	8.7	7.0	6.2	10.7	10.9
Administrative support, including clerical .....	16.9	17.3	8.6	8.9	24.7	25.0
Service occupations .....	21.6	22.1	17.3	18.8	25.6	25.1
Private household .....	.8	.8	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.6
Protective service .....	2.9	3.0	4.3	4.7	1.6	1.4
Service, except private household and protective .....	17.9	18.3	13.0	14.1	22.5	22.1
Precision production, craft, and repair .....	8.0	7.4	14.4	13.0	2.0	2.2
Operators, fabricators, and laborers .....	21.0	21.3	30.7	32.4	11.9	11.2
Machine operators, assemblers, and inspectors .....	9.2	9.2	10.4	10.4	8.2	8.1
Transportation and material moving occupations .....	6.2	6.0	11.2	11.3	1.5	1.1
Handlers, equipment cleaners, helpers, and laborers .....	5.6	6.1	9.1	10.7	2.2	1.9
Farming, forestry, and fishing .....	1.2	.9	2.3	1.8	.2	.2

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-19. Employed persons by industry and occupation**

(In thousands)

Industry	May 1996												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	3,698	110	88	49	30	184	-	32	57	5	28	19	3,097
Mining .....	549	88	49	27	5	45	-	10	186	22	104	13	-
Construction .....	7,843	1,225	152	54	68	459	-	25	4,332	95	545	864	23
Manufacturing .....	20,221	2,814	1,877	611	736	2,009	-	254	3,768	6,236	745	1,086	85
Durable goods .....	11,988	1,679	1,159	419	327	1,118	-	134	2,668	3,457	410	538	78
Nondurable goods .....	8,233	1,136	718	191	409	891	-	120	1,100	2,778	335	549	6
Transportation and public utilities .....	8,855	1,217	539	293	334	2,306	-	214	1,117	135	2,138	555	7
Wholesale and retail trade .....	26,418	2,399	496	150	10,859	2,334	-	5,171	1,448	326	1,126	1,993	116
Wholesale trade .....	4,956	554	109	49	2,003	745	-	42	318	147	526	395	68
Retail trade .....	21,462	1,846	387	101	8,856	1,589	-	5,129	1,129	178	600	1,598	47
Finance, insurance, and real estate .....	8,077	2,261	232	133	2,047	2,831	-	301	160	20	21	28	43
Services .....	44,881	6,174	14,339	2,261	1,112	6,882	746	8,967	2,070	893	582	490	364
Private households .....	880	6	10	-	-	1	746	51	2	-	-	13	50
Other service industries .....	44,001	6,168	14,329	2,261	1,112	6,881	-	8,916	2,068	893	582	476	314
Professional services .....	30,210	3,808	12,750	1,898	193	5,099	-	5,358	438	187	319	86	73
Public administration .....	5,850	1,385	895	210	23	1,365	-	1,608	232	25	41	48	18

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

A-20. Employed persons in agriculture and nonagricultural industries by age, sex, and class of worker

(In thousands)

Age and sex	May 1996									
	Agriculture			Nonagricultural industries						
	Wage and salary workers	Self-employed workers	Unpaid family workers	Wage and salary workers					Self-employed workers	Unpaid family workers
				Total	Private industries			Government		
Total	Private household workers	Other private industries								
Total, 16 years and over .....	2,130	1,517	51	113,630	95,063	873	94,190	18,567	8,940	123
16 to 19 years .....	284	35	22	5,914	5,697	141	5,556	216	95	21
16 to 17 years .....	120	25	12	2,305	2,250	81	2,169	55	48	13
18 to 19 years .....	164	10	10	3,609	3,448	60	3,387	161	47	8
20 to 24 years .....	279	42	2	11,412	10,510	86	10,424	902	311	22
25 to 34 years .....	575	219	13	29,508	25,596	137	25,460	3,912	1,677	20
35 to 44 years .....	433	396	7	31,452	25,697	178	25,519	5,755	2,827	20
45 to 54 years .....	298	302	3	22,621	17,315	156	17,159	5,307	2,168	29
55 to 64 years .....	153	253	2	10,009	7,958	114	7,844	2,051	1,234	8
65 years and over .....	108	271	2	2,713	2,289	61	2,228	424	628	4
Men, 16 years and over .....	1,607	1,127	32	60,055	51,724	104	51,621	8,331	5,387	50
16 to 19 years .....	240	29	15	2,949	2,855	27	2,828	94	50	-
16 to 17 years .....	102	23	9	1,122	1,085	23	1,062	37	24	9
18 to 19 years .....	138	6	6	1,826	1,770	4	1,766	57	26	-
20 to 24 years .....	211	39	3	5,935	5,532	6	5,525	404	207	11
25 to 34 years .....	442	170	11	15,999	14,206	20	14,186	1,793	954	4
35 to 44 years .....	314	280	-	16,543	14,095	13	14,082	2,448	1,673	10
45 to 54 years .....	218	203	-	11,726	9,302	18	9,283	2,424	1,300	6
55 to 64 years .....	103	190	-	5,425	4,454	9	4,445	971	797	3
65 years and over .....	79	216	1	1,478	1,282	11	1,271	196	407	2
Women, 16 years and over .....	523	390	19	53,575	43,339	769	42,569	10,236	3,553	73
16 to 19 years .....	44	6	8	2,965	2,843	115	2,728	122	45	7
16 to 17 years .....	18	2	-	1,183	1,165	58	1,106	18	24	3
18 to 19 years .....	26	4	4	1,782	1,678	56	1,622	104	21	4
20 to 24 years .....	68	3	-	5,477	4,978	79	4,899	499	104	11
25 to 34 years .....	132	49	2	13,510	11,391	117	11,274	2,119	723	16
35 to 44 years .....	119	116	6	14,909	11,602	165	11,437	3,307	1,155	9
45 to 54 years .....	80	99	3	10,895	8,013	138	7,875	2,882	868	22
55 to 64 years .....	50	63	2	4,584	3,504	105	3,399	1,080	437	6
65 years and over .....	30	55	-	1,235	1,008	51	957	228	220	2

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-21. Persons at work in agriculture and nonagricultural industries by hours of work**

Hours of work	May 1996					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	121,965	3,537	118,428	100.0	100.0	100.0
1 to 34 hours .....	29,395	988	28,408	24.1	27.9	24.0
1 to 4 hours .....	1,216	76	1,140	1.0	2.1	1.0
5 to 14 hours .....	4,687	243	4,445	3.8	6.9	3.8
15 to 29 hours .....	14,918	483	14,435	12.2	13.7	12.2
30 to 34 hours .....	8,574	186	8,389	7.0	5.2	7.1
35 hours and over .....	92,570	2,550	90,020	75.9	72.1	76.0
35 to 39 hours .....	8,847	188	8,659	7.3	5.3	7.3
40 hours .....	44,765	803	43,961	36.7	22.7	37.1
41 hours and over .....	38,958	1,558	37,400	31.9	44.0	31.6
41 to 48 hours .....	14,303	280	14,023	11.7	7.9	11.8
49 to 59 hours .....	13,999	389	13,609	11.5	11.0	11.5
60 hours and over .....	10,657	889	9,768	8.7	25.1	8.2
Average hours, total at work .....	39.6	43.5	39.5	-	-	-
Average hours, persons who usually work full time .....	43.7	50.3	43.5	-	-	-

NOTE: Detail on persons at work in tables A-21 through A-25 may not sum to the totals shown because of minor editing problems associated with the redesigned survey.

**A-22. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than 35 hours and usual full- or part-time status**

(Numbers in thousands)

Reason for working less than 35 hours	May 1996					
	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 .....	29,395	8,596	20,799	28,408	8,340	20,068
Economic reasons .....	4,175	1,296	2,879	4,003	1,212	2,791
Slack work or business conditions .....	2,150	1,012	1,138	2,057	954	1,102
Could only find part-time work .....	1,705	-	1,705	1,658	-	1,658
Seasonal work .....	75	39	36	55	25	30
Job started or ended during week .....	245	245	-	233	233	-
Noneconomic reasons .....	25,221	7,301	17,920	24,405	7,128	17,277
Child-care problems .....	843	58	786	828	56	772
Other family or personal obligations .....	5,711	730	4,981	5,537	702	4,835
Health or medical limitations .....	604	-	604	578	-	578
In school or training .....	6,007	117	5,890	5,809	116	5,694
Retired or Social Security limit on earnings .....	1,918	-	1,918	1,791	-	1,791
Vacation or personal day .....	3,325	3,325	-	3,265	3,265	-
Holiday, legal or religious .....	51	51	-	51	51	-
Weather-related curtailment .....	311	311	-	267	267	-
All other reasons .....	6,450	2,708	3,742	6,278	2,671	3,607
Average hours:						
Economic reasons .....	22.7	24.0	22.0	22.8	24.2	22.1
Other reasons .....	21.3	25.8	19.4	21.4	25.9	19.5

A-23. Persons at work in nonagricultural industries by class of worker and usual full- or part-time status

(Numbers in thousands)

Industry and class of worker	May 1996							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
Total 16 years and over .....	118,428	28,408	4,003	7,128	17,277	90,020	39.5	43.5
Wage and salary workers .....	109,865	25,701	3,594	6,617	15,489	84,164	39.4	43.2
Mining .....	504	27	3	15	8	478	50.3	51.0
Construction .....	6,210	1,090	286	481	323	5,121	41.1	42.9
Manufacturing .....	19,216	2,224	309	1,236	679	16,992	42.7	43.6
Durable goods .....	11,393	1,139	108	719	312	10,254	43.2	43.9
Nondurable goods .....	7,823	1,085	200	518	367	6,737	41.8	43.1
Transportation and public utilities .....	8,111	1,258	211	510	537	6,853	42.1	44.0
Wholesale and retail trade .....	23,781	7,978	1,242	1,030	5,705	15,804	37.2	43.8
Finance, insurance, and real estate .....	7,202	1,300	114	457	729	5,902	40.4	42.9
Service industries .....	39,167	10,923	1,371	2,334	7,218	28,244	37.9	42.7
Private households .....	849	473	86	28	359	376	28.5	43.5
All other industries .....	38,318	10,450	1,285	2,306	6,859	27,868	38.1	42.7
Public administration .....	5,672	902	58	553	290	4,770	40.6	42.0
Self-employed workers .....	8,440	2,652	401	506	1,744	5,788	40.2	47.3
Unpaid family workers .....	123	55	8	4	43	68	33.7	( <sup>1</sup> )

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-24. Persons at work in nonagricultural industries by age, sex, race, marital status, and usual full- or part-time status**

(Numbers in thousands)

Age, sex, race, and marital status	May 1996							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
<b>TOTAL</b>								
Total, 16 years and over .....	118,428	28,408	4,003	7,128	17,277	90,020	39.5	43.5
16 to 19 years .....	5,827	4,326	382	170	3,775	1,500	23.8	39.7
16 to 17 years .....	2,263	2,090	54	22	2,014	174	17.5	38.4
18 to 19 years .....	3,563	2,236	328	147	1,761	1,327	27.8	39.9
20 years and over .....	112,601	24,082	3,621	6,958	13,502	88,520	40.3	43.6
20 to 24 years .....	11,339	3,652	734	643	2,275	7,688	36.6	41.8
25 years and over .....	101,262	20,430	2,887	6,316	11,227	80,832	40.7	43.7
25 to 54 years .....	87,409	16,083	2,533	5,503	8,047	71,326	41.3	43.8
55 years and over .....	13,853	4,347	354	813	3,180	9,506	37.0	43.0
<b>Men, 16 years and over .....</b>	<b>63,660</b>	<b>10,396</b>	<b>1,805</b>	<b>3,476</b>	<b>5,115</b>	<b>53,264</b>	<b>42.5</b>	<b>45.1</b>
16 to 19 years .....	2,923	2,060	190	82	1,788	863	24.6	40.2
16 to 17 years .....	1,125	1,016	34	3	979	109	17.7	40.4
18 to 19 years .....	1,798	1,044	156	79	809	754	28.9	40.1
20 years and over .....	60,737	8,337	1,615	3,394	3,327	52,401	43.4	45.2
20 to 24 years .....	5,980	1,556	369	297	891	4,424	38.8	43.0
25 years and over .....	54,757	6,780	1,246	3,098	2,436	47,977	43.9	45.4
25 to 54 years .....	46,989	4,912	1,092	2,684	1,135	42,077	44.6	45.5
55 years and over .....	7,769	1,869	155	413	1,301	5,900	39.7	44.4
<b>Women, 16 years and over .....</b>	<b>54,768</b>	<b>18,011</b>	<b>2,198</b>	<b>3,652</b>	<b>12,162</b>	<b>36,757</b>	<b>35.9</b>	<b>41.2</b>
16 to 19 years .....	2,904	2,266	191	88	1,987	637	23.0	39.2
16 to 17 years .....	1,139	1,074	19	20	1,035	65	17.2	35.8
18 to 19 years .....	1,765	1,193	172	68	952	573	26.7	39.6
20 years and over .....	51,864	15,745	2,006	3,564	10,175	36,119	36.6	41.3
20 to 24 years .....	5,359	2,095	365	346	1,384	3,264	34.1	40.1
25 years and over .....	46,505	13,649	1,641	3,218	8,791	32,855	36.9	41.4
25 to 54 years .....	40,421	11,171	1,441	2,818	6,911	29,249	37.4	41.5
55 years and over .....	6,084	2,478	199	400	1,879	3,606	33.6	40.8
<b>Race</b>								
<b>White, 16 years and over .....</b>	<b>100,334</b>	<b>24,353</b>	<b>3,203</b>	<b>6,017</b>	<b>15,133</b>	<b>75,981</b>	<b>39.6</b>	<b>43.8</b>
Men .....	54,710	8,737	1,417	2,955	4,365	45,973	42.9	45.4
Women .....	45,625	15,616	1,786	3,062	10,768	30,009	35.7	41.4
<b>Black, 16 years and over .....</b>	<b>13,061</b>	<b>2,880</b>	<b>604</b>	<b>836</b>	<b>1,440</b>	<b>10,182</b>	<b>38.3</b>	<b>41.2</b>
Men .....	6,219	1,148	270	390	488	5,071	40.0	42.4
Women .....	6,843	1,732	334	447	952	5,110	36.9	40.1
<b>Marital status</b>								
<b>Men, 16 years and over:</b>								
Married, spouse present .....	39,888	4,508	737	2,153	1,618	35,380	44.5	45.8
Widowed, divorced, or separated .....	7,116	990	209	460	320	6,126	43.3	44.8
Single (never married) .....	16,656	4,899	859	863	3,177	11,758	37.6	43.1
<b>Women, 16 years and over:</b>								
Married, spouse present .....	30,390	10,044	908	2,075	7,062	20,346	35.9	41.1
Widowed, divorced, or separated .....	10,912	2,748	513	821	1,414	8,164	38.1	41.4
Single (never married) .....	13,466	5,219	777	756	3,686	8,247	34.2	41.3

A-25. Persons at work in nonfarm occupations by sex and usual full- or part-time status

(Numbers in thousands)

Occupation and sex	May 1996							
	Total at work	Worked 1 to 34 hours				Worked 35 hours or more	Average hours	
		Total	For economic reasons	For noneconomic reasons			Total at work	Persons who usually work full time
				Usually work full time	Usually work part time			
Total, 16 years and over <sup>1</sup> .....	118,358	28,390	3,983	7,132	17,275	89,968	39.5	43.5
Managerial and professional specialty .....	35,137	6,227	638	2,100	3,490	28,910	42.3	45.1
Executive, administrative, and managerial .....	17,171	2,353	227	1,040	1,086	14,818	44.0	45.8
Professional specialty .....	17,967	3,875	411	1,060	2,403	14,092	40.6	44.4
Technical, sales, and administrative support .....	36,077	10,140	1,080	2,245	6,815	25,936	37.7	42.5
Technicians and related support .....	3,643	773	77	260	435	2,871	39.2	42.1
Sales occupations .....	14,640	4,381	527	682	3,173	10,259	38.9	45.3
Administrative support, including clerical .....	17,793	4,987	476	1,303	3,207	12,807	36.4	40.4
Service occupations .....	16,588	6,614	1,095	797	4,723	9,973	34.6	42.3
Private household .....	724	407	71	28	308	316	28.9	43.0
Protective service .....	2,006	271	23	77	171	1,735	43.1	45.7
Service, except private household and protective .....	13,858	5,936	1,000	693	4,244	7,922	33.7	41.5
Precision production, craft, and repair .....	12,979	1,775	426	857	493	11,204	42.1	43.4
Operators, fabricators, and laborers .....	17,577	3,632	745	1,133	1,755	13,944	40.3	43.1
Machine operators, assemblers, and inspectors .....	7,499	1,128	240	516	372	6,371	40.9	42.2
Transportation and material moving occupations .....	5,164	889	167	276	446	4,275	43.7	46.4
Handlers, equipment cleaners, helpers, and laborers .....	4,913	1,615	337	340	937	3,299	36.0	40.9
Men, 16 years and over <sup>1</sup> .....	63,391	10,314	1,777	3,472	5,064	53,077	42.6	45.1
Managerial and professional specialty .....	18,180	2,014	224	930	860	16,166	45.6	47.2
Executive, administrative, and managerial .....	9,809	882	96	455	331	8,927	46.7	47.9
Professional specialty .....	8,371	1,132	128	474	529	7,239	44.3	46.3
Technical, sales, and administrative support .....	13,221	2,270	237	697	1,335	10,951	42.4	45.4
Technicians and related support .....	1,776	255	32	131	92	1,521	41.9	43.5
Sales occupations .....	7,630	1,280	101	304	875	6,350	43.9	47.5
Administrative support, including clerical .....	3,815	735	105	263	368	3,081	39.5	42.2
Service occupations .....	6,887	2,042	414	280	1,348	4,845	37.6	43.6
Private household .....	36	22	8	8	6	14	( <sup>2</sup> )	( <sup>2</sup> )
Protective service .....	1,719	185	17	57	110	1,534	44.2	46.2
Service, except private household and protective .....	5,132	1,835	389	214	1,232	3,297	35.5	42.5
Precision production, craft, and repair .....	11,793	1,534	395	772	367	10,259	42.5	43.5
Operators, fabricators, and laborers .....	13,309	2,454	507	793	1,154	10,855	41.4	44.0
Machine operators, assemblers, and inspectors .....	4,650	519	87	289	143	4,131	42.4	43.3
Transportation and material moving occupations .....	4,687	677	145	246	286	4,010	44.6	46.6
Handlers, equipment cleaners, helpers, and laborers .....	3,972	1,258	275	258	725	2,714	36.5	41.4
Women, 16 years and over <sup>1</sup> .....	54,967	18,076	2,205	3,660	12,211	36,891	35.9	41.3
Managerial and professional specialty .....	16,958	4,214	414	1,170	2,630	12,744	38.7	42.6
Executive, administrative, and managerial .....	7,362	1,471	131	584	756	5,891	40.4	42.9
Professional specialty .....	9,596	2,743	283	586	1,874	6,853	37.5	42.3
Technical, sales, and administrative support .....	22,855	7,870	843	1,548	5,480	14,985	35.0	40.4
Technicians and related support .....	1,868	518	45	130	343	1,350	36.7	40.6
Sales occupations .....	7,010	3,101	426	378	2,297	3,909	33.4	41.8
Administrative support, including clerical .....	13,978	4,252	371	1,041	2,840	9,726	35.5	39.8
Service occupations .....	9,701	4,573	681	517	3,375	5,128	32.5	41.0
Private household .....	688	386	63	20	303	302	28.9	43.5
Protective service .....	287	86	6	19	61	201	36.2	41.9
Service, except private household and protective .....	8,726	4,101	611	478	3,012	4,625	32.6	40.8
Precision production, craft, and repair .....	1,186	241	31	85	126	945	38.9	41.7
Operators, fabricators, and laborers .....	4,267	1,178	237	340	601	3,090	37.0	40.1
Machine operators, assemblers, and inspectors .....	2,849	609	153	227	228	2,240	38.4	40.3
Transportation and material moving occupations .....	477	212	22	30	160	265	34.5	41.9
Handlers, equipment cleaners, helpers, and laborers .....	941	357	62	82	212	584	33.9	38.8

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

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-26. Unemployed persons by marital status, race, age, and sex**

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996	May 1995	May 1996
Total, 16 years and over .....	3,961	3,867	5.6	5.4	3,224	3,300	5.3	5.4
Married, spouse present .....	1,378	1,225	3.2	2.8	1,134	1,112	3.4	3.3
Widowed, divorced, or separated .....	559	563	7.0	6.8	716	691	6.0	5.7
Single (never married) .....	2,024	2,079	10.3	10.4	1,374	1,497	9.1	9.6
White, 16 years and over .....	3,011	2,895	4.9	4.7	2,367	2,423	4.7	4.7
Married, spouse present .....	1,133	985	3.0	2.5	924	946	3.2	3.2
Widowed, divorced, or separated .....	445	410	6.7	6.0	544	506	5.7	5.2
Single (never married) .....	1,433	1,500	9.0	9.2	898	971	7.7	8.2
Black, 16 years and over .....	765	789	10.7	10.8	684	721	9.1	9.2
Married, spouse present .....	161	173	4.9	5.2	132	95	5.0	3.6
Widowed, divorced, or separated .....	93	132	8.5	12.0	143	161	7.1	7.6
Single (never married) .....	511	484	18.2	17.1	410	464	14.1	15.1
Total, 25 years and over .....	2,548	2,387	4.2	3.9	2,039	2,114	4.0	4.1
Married, spouse present .....	1,296	1,140	3.1	2.7	973	1,009	3.1	3.2
Widowed, divorced, or separated .....	545	526	7.0	6.6	661	648	5.7	5.5
Single (never married) .....	707	720	6.9	6.9	405	457	5.5	5.9
White, 25 years and over .....	2,013	1,791	3.9	3.4	1,506	1,564	3.6	3.6
Married, spouse present .....	1,070	914	2.9	2.4	798	862	2.9	3.1
Widowed, divorced, or separated .....	435	376	6.8	5.7	498	473	5.4	5.1
Single (never married) .....	508	501	6.2	6.0	210	229	4.0	4.2
Black, 25 years and over .....	407	474	6.9	8.0	417	447	6.7	6.9
Married, spouse present .....	145	160	4.6	4.9	103	86	4.1	3.5
Widowed, divorced, or separated .....	90	130	8.3	12.1	141	151	7.2	7.3
Single (never married) .....	173	184	10.4	11.4	173	211	9.7	11.1