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May 1999

In this issue:

Region, State, and area
annual averages

Area definitions





U.S. DEPARTMENT OF LABOR
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Calendar of Features

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Earnings by detailed occupation	Jan.
Employee absences	Jan.
Revised seasonally adjusted series	Jan.
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Women employees	March, June
National data revised to reflect new benchmarks and new seasonal adjustment factors	June
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Area definitions	May

Region, State, and area labor force data

Annual averages	May
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Employment and Unemployment Developments, April 1999

Payroll employment rose in April, and the unemployment rate was essentially unchanged at 4.3 percent. Nonfarm payroll employment grew by 234,000. Job gains occurred throughout the service-producing sector, but losses continued in manufacturing and mining.

Unemployment

The number of unemployed persons, 6.0 million, and the unemployment rate, 4.3 percent, were about unchanged in April. The rate has been at or below 4.5 percent since April 1998. Over the month, the unemployment rates for whites and Hispanics increased to 3.8 and 6.9 percent, respectively, at or near where they had been in February. The jobless rates for the other major demographic groups—adult men (3.4 percent), adult women (4.1 percent), teenagers (14.1 percent), and blacks (7.7 percent)—were little changed over the month. Over the year, the unemployment rate for blacks was down 1.3 percentage points, while the rate for whites was little changed. (See tables A-3 and A-4.)

Total employment and the labor force

The civilian labor force, at 139.1 million, and the labor force participation rate, at 67.1 percent, were little changed from March. Total employment, at 133.1 million, was essentially unchanged from March. In April, the employment-population ratio—the proportion of the population age 16 and over with jobs—was 64.2 percent, also little changed from the previous month. (See table A-3.)

About 7.6 million persons (not seasonally adjusted) held more than one job in April. These multiple jobholders represented 5.8 percent of the total employed, compared with 6.1 percent a year earlier. (See table A-37.)

Persons not in the labor force

About 1.3 million persons (not seasonally adjusted) were marginally attached to the labor force in April. These were people who wanted and were available for work and had looked for a job sometime in the prior 12 months but were not counted as unemployed because they had not searched for work in the 4 weeks preceding the survey. (See table A-36.)

The number of discouraged workers—a subset of the marginally attached who were not currently looking for work specifically because they believed no jobs were available for them—was 245,000 in April, down from 344,000 a year earlier. (See table A-36.)

Industry payroll employment

Nonfarm payroll employment rose by 234,000 in April, following no gain in March. The April increase was in line with the average monthly growth for the prior 12 months. Strong growth occurred in several service-producing industries, but job losses continued in manufacturing and mining. Construction employment changed little in April after seasonal adjustment, following a sharp decline in March. (See table B-3.)

The services industry added 131,000 jobs in April, somewhat above the average gain for the prior 12 months. A large employment increase occurred in business services (51,000), led by job gains in both help supply services (18,000) and computer services (16,000). Employment in health services increased by 23,000, more than twice the monthly average over the prior year. Over-the-month job gains occurred in doctors' offices, hospitals, and home health care services. Employment both in motion pictures and in amusements and recreation grew in April, after changing little in March. Job growth continued in engineering and management services, but the gain of 11,000 in April was about half the average increase for the prior 12 months.

Finance added 17,000 jobs in April after 2 months of small gains. Nondepository institutions had a large increase of 8,000, and security brokerages added 6,000 jobs after showing little net growth the prior 5 months. Employment in both insurance and real estate increased only slightly in April. In the first 4 months of this year, average monthly job growth in both industries has been below the average for 1998.

Transportation and public utilities employment rose by 22,000 in April. Transportation accounted for most of the increase (20,000); the largest gain occurred in local and interurban passenger transit (7,000). Communications employment rose by 5,000, in line with its average for the prior 12 months. Employment in public utilities continued its long-term decline, losing 3,000 jobs in April.

Retail trade employment rose by 66,000 in April. Within retail trade, employment in eating and drinking places increased by 64,000 after seasonal adjustment; this follows a loss of about the same amount in the previous month. In April, employment increased in furniture stores and in automotive dealerships and service stations but declined in general merchandise stores and building materials stores.

Wholesale trade added 11,000 jobs in April, about equal to the industry's average monthly growth over the past year. Government employment was little changed in April. A loss in Federal employment of 23,000 offset a gain in local gov-

ernment. The decline at the Federal level largely reflected a temporary reduction in the number of workers preparing for the decennial census.

In the goods-producing sector, manufacturing employment continued to decline in April, with a loss of 29,000 jobs. Part of the loss was due to a strike of 7,000 workers in shipbuilding, which is within transportation equipment manufacturing. (Persons on strike for the entire reference pay period are not on payrolls and, thus, are not counted as employed in the establishment survey.) Aircraft industry employment declined by 6,000 in April and has fallen by 23,000 since its most recent peak last August. Job losses continued in April in industrial machinery, fabricated metals, instruments, apparel, and textiles.

Mining employment declined by 6,000 in April. Job losses in the industry have totaled 26,000 for the year thus far compared with 35,000 for all of 1998.

After seasonal adjustment, construction employment was little changed in April, following a decline of 53,000 in March. Since October, construction employment growth has averaged 32,000 a month, slightly above the average for the prior

12-month period.

Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls edged up 0.1 hour in April to 34.5 hours, seasonally adjusted. The manufacturing workweek increased by 0.2 hour to 41.7 hours. Factory overtime edged down 0.1 hour to 4.4 hours. (See table B-8.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose by 0.3 percent to 146.8 (1982=100), seasonally adjusted. The manufacturing index edged up 0.1 percent to 106.3. (See table B-9.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls rose by 3 cents in April to \$13.11, seasonally adjusted. Average weekly earnings rose by 0.5 percent over the month to \$452.30, seasonally adjusted. Over the year, hourly and weekly earnings each rose by 3.2 percent. (See table B-11.)

Revisions in the Establishment Survey Data

With the release of May data in June, BLS will introduce revisions in the establishment-based series on nonfarm payroll employment, hours, and earnings to reflect the annual benchmark adjustments for March 1998 and updated seasonal adjustment factors. Unadjusted data since April 1997 and seasonally adjusted data since January 1994 are subject to revision. Seasonal adjustment factors for March through October 1999 will be available on the Internet at <http://stats.bls.gov/ceshome.htm> on May 28, one week prior to the release of the May estimates. Further information on these revisions is available by calling (202) 606-6555.

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
Reference month	Release date	Reference month	Release date
May	June 4	August	September 3
June	July 2	September	October 8
July	August 6	October	November 5

Revisions in State Establishment-Based Employment Estimates Effective January 1999

Aaron Kofner

With the release of estimates for January 1999, nonfarm payroll employment, hours, and earnings data for States and areas (tables B-7, B-14, and B-18) were revised to reflect the incorporation of March 1998 benchmarks, and the recomputation of seasonal adjustment factors (State estimates). These revisions affected all unadjusted data from April 1997 forward and the seasonally adjusted State estimates from January 1994 forward.

Detailed information on the effect of the benchmark on the employment estimates was not available, however, at the time the revisions were introduced. This article provides some background on benchmarking methods, detailed information on the effects of the March 1998 benchmark revisions, and some historical perspective.

Benchmark methods

The Current Employment Statistics (CES), or establishment survey, is a Federal/State cooperative program that provides employment, hours, and earnings estimates for States and areas on a timely basis by estimating the number of jobs in the population from a sample of that population. As in other sample surveys, estimates in the CES are subject to both sampling and nonsampling error. Sampling error is an unavoidable byproduct of forming an inference about a population based on a sample. The larger the sample is relative to the population, the smaller the sampling error. The sample-to-population ratio varies across States and industries. Nonsampling error is not unique to sample surveys, as it includes errors in reporting and processing.

To help control both sampling and nonsampling error, the estimates are benchmarked annually to universe employment counts. These counts 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. Benchmark levels replace the original sample-based estimates from April of the previous year to March of the benchmark year for each month. For the current 1998 benchmark, estimates from April 1997 to March 1998 were replaced with UI-based universe counts. Once the new level for March 1998 had been determined, applying the appropriate sample links to the new

level forward recalculated the estimates for April 1998. The sample links capture the over-the-month change of the sample estimates. A sample link for a given month is calculated by dividing employment reported by survey respondents for that month by employment reported by those same respondents for the previous month. The links used during the benchmark process may differ slightly from those used to derive the original estimates, because they include data from respondents that reported too late for inclusion in the previously published estimates. This process was completed, and the revised data were released with the January 1999 estimates.

Improvements in the receipt of UI data and in the standardization of State operations have enabled all States to replace estimates with UI data beyond March of the benchmark year. This use of more current UI data should reduce the error associated with the next March benchmark revision. In the March 1998 benchmark, 11 States used third quarter 1998 UI data (that is, through September 1998) in their benchmarking; 37 States and the District of Columbia used second quarter 1998 UI data (that is, through June 1998); and 2 States used first quarter 1998 data (that is, through March 1998). Recalculated sample links were then applied to these new levels to derive revised estimates for months after the replacement quarter.

Benchmark revisions

The percentage differences between the March 1998 sample-based estimates and the revised March 1998 benchmarked levels are commonly used to report the magnitude of the revisions. The average absolute percentage revision for State total nonfarm estimates was 0.5 percent for March 1998, the same as in 1995 and 1996 and up 0.1 percentage point from last year. The range of the percentage revisions for the States, at the total nonfarm level, was from -1.2 percent to 2.5 percent. All major industry divisions, except mining and transportation and public utilities, had larger or equal average absolute revisions this year as compared to last year. Manufacturing and trade had the lowest average absolute revisions, 0.8 percent. Mining and construction had the highest revisions with average absolute revisions of 3.1 and 2.5 percent, respectively (table 1).

The direction of the revisions indicates whether the March 1998 benchmark levels were greater or less than the origi-

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nal sample-based estimates. Historically, State estimates have underestimated March employment levels during periods of economic growth and overestimated these levels during periods of economic decline. For the current benchmark, 26 States and the District of Columbia revised total nonfarm employment upward while 24 States had downward revisions (table 2). This close balance between under- and overestimation of employment is also reflected by the 0.1 mean percentage revision across all States for total nonfarm employment.

As the size of the CES sample for a particular estimate decreases, the benchmark revision will, on average, increase. This is reflected in the benchmark revisions for total nonfarm employment for metropolitan statistical areas (MSAs). For MSAs published by the CES program, the range of percentage revisions is from -7.2 to 3.8 percent with an average absolute revision of 0.9 percent. This compares to a range of -1.2 to 2.5 percent and an average absolute percentage revision of 0.5 at the State level. Grouping MSAs by size (as defined by total nonfarm employment) also demonstrates this pattern. Generally, as the size of the MSAs decreases, the range of percentage revisions increases, as does the average absolute percentage revision (table 3).

Seasonal adjustment

Coincident with the benchmark adjustments, seasonally adjusted employment data by State and major industry division were revised from 1994 forward to incorporate updated seasonal adjustment factors. BLS uses a two-step seasonal

adjustment process for adjusting State nonfarm payroll employment estimates. This process uses UI seasonal trends to adjust the benchmark historical data but incorporates sample seasonal trends to adjust the current sample-based estimates in the post-benchmark months. By accounting for the differing seasonal patterns of the benchmark data and the sample-based estimates, this technique yields an improved seasonally adjusted series for analyzing over-the-month employment change. Revised seasonally adjusted nonfarm payroll employment data for all States and the District of Columbia for the 1994-98 period are available on the Internet. Data for the most recent 13 months are regularly shown in table B-7.

Additional information

State and area annual averages for 1996-98 by major industry are published in this issue of the publication, along with a detailed listing of the area definitions. Historical State and area employment, hours, and earnings data are available at <http://stats.bls.gov/datahome.htm>, the BLS Internet site. Users may access the data via Anonymous FTP, Series Report, or Selective Access at this address. Any questions on how to access the data through the Internet should be directed to (202) 606-7351. Inquiries for additional information on the methods or estimates derived from the CES survey should be sent to: U.S. Bureau of Labor Statistics, Room 4860, 2 Massachusetts Ave., NE, Washington, DC 20212-0001. The telephone number is (202) 606-6559; Fax (202) 606-6644. The E-mail address is Data_SA@bls.gov.

Table 1. Differences between State employment estimates and benchmarks by industry, March 1993-98

Industry	1993	1994	1995	1996	1997	1998
Average absolute percentage differences						
Total nonfarm	0.7	0.8	0.5	0.5	0.4	0.5
Mining	5.3	4.7	6.0	3.3	4.2	3.1
Construction	4.8	4.1	3.1	2.8	2.4	2.5
Manufacturing	1.1	1.2	1.3	1.0	.8	.8
Transportation and public utilities	1.7	2.1	1.6	1.4	1.4	1.3
Wholesale and retail trade	1.0	1.2	1.0	1.3	.6	.8
Finance, insurance, and real estate	1.3	2.1	1.7	1.4	1.3	1.5
Services	1.5	1.4	1.3	1.1	.9	1.0
Government .....	.6	.7	1.0	1.1	.7	.9
Average percentage revisions						
Total nonfarm:						
Range	-7 : 2.0	-1.0 : 2.5	-1.7 : 1.5	-3.0 : 1.7	-1.3 : 1.3	-1.2 : 2.5
Mean .....	.5	.6	.4	-.2	.2	.1
Standard deviation .....	.7	.9	.9	.7	.5	.7

NOTE: The range indicates the lowest and highest percentage revision at the total nonfarm level. The mean is the sum of all the items in a series divided by the number of items. The standard deviation is a widely used measure of dispersion. It measures the extent to which the individual items in a series are scattered about the mean of the series and indicates the reliability of the mean. For example, the March 1997 standard deviation (.5) is low, relative to March 1994 (.9). This is an indica-

tion that there is higher variation among State total nonfarm revisions in March 1994 (that is, the mean is less representative of the group) than in March 1997 (that is, the mean is more representative of the group). The standard deviation is found by taking the difference of each item in a series from the mean of the series, squaring each difference, summing the squared differences, dividing the result by the number of items, and obtaining the square root of that figure.

Table 2. Percent differences between nonfarm payroll employment benchmarks and estimates by State, March 1993-98

State	1993	1994	1995	1996	1997	1998
Alabama	0.4	0.6	1.1	0.1	0.6	0.3
Alaska .....	.2	.7	-1.0	(¹)	1.0	.7
Arizona .....	.7	2.5	1.5	1.7	-1	-3
Arkansas .....	.3	1.1	-2	-1	(¹)	.2
California .....	.3	1.4	1.0	.3	-2	-2
Colorado	1.7	1.5	1.2	-.8	.6	.3
Connecticut	1.9	.1	1.4	-.3	.4	.1
Delaware	-.7	-.3	1.1	-.2	-.3	-.5
District of Columbia	-.7	-.8	-.6	-.4	-.2	.6
Florida	1.3	.4	(¹)	.2	.2	-.4
Georgia .....	.6	.2	(¹)	-.5	.5	-.1
Hawaii .....	.8	.6	.1	.5	.7	.1
Idaho .....	.5	-.6	-1.0	-.6	.5	.2
Illinois	1.0	.8	.6	-.6	.2	.1
Indiana	1.2	2.4	.7	-.1	.4	.4
Iowa .....	.5	.2	.5	-.1	-.2	-.3
Kansas	-.6	-.1	(¹)	-.7	-.5	-.1
Kentucky .....	.1	1.9	.4	(¹)	(¹)	-.1
Louisiana	1.1	2.5	-1.7	-.3	-.1	-.3
Maine	-.3	.5	(¹)	-.7	.4	.7
Maryland .....	.6	1.0	.9	.2	.5	1.4
Massachusetts	1.2	-1.0	.2	-.1	.3	-.9
Michigan .....	.5	1.0	.3	.8	.7	-.3
Minnesota .....	.3	(¹)	.4	.4	-.4	.3
Mississippi .....	.3	1.7	1.3	.4	.1	.5
Missouri .....	.9	.1	-1.0	-.3	.9	.2
Montana	-.7	.2	-.2	.2	-.1	-.1
Nebraska .....	.6	2.2	.1	.9	-.3	-1.2
Nevada	-.1	1.8	.6	-1.3	-.4	-1.1
New Hampshire .....	.5	.1	-.1	.2	-1.3	2.5
New Jersey	1.5	-.2	(¹)	-.2	.4	-.1
New Mexico	2.0	.9	.3	-3.0	(¹)	.7
New York	(¹)	-.2	.5	-.3	.4	.9
North Carolina .....	.3	.1	.2	.3	(¹)	-.4
North Dakota .....	.3	(¹)	-.2	-.6	-.9	.1
Ohio .....	.1	2.1	.7	-.4	.4	.2
Oklahoma	1.3	1.0	.6	.2	-.3	1.0
Oregon .....	.8	.5	-.6	-.2	-.1	-.9
Pennsylvania .....	.1	.3	.4	.1	-.3	.5
Rhode Island .....	.5	-.4	1.0	-1.4	.3	-.1
South Carolina	-.2	.1	.4	.1	1.1	-.2
South Dakota .....	.5	.8	-.1	-2.0	.2	.1
Tennessee	1.8	1.0	.4	-.8	.6	-.2
Texas	-.2	-.1	(¹)	-.5	1.3	.4
Utah .....	.4	-.1	.4	-.3	.8	-.7
Vermont .....	.8	1.1	.2	-.3	-.6	1.1
Virginia	1.2	-.4	-.1	.1	.5	-.8
Washington	(¹)	(¹)	-.4	.3	.6	.3
West Virginia	-.4	-.3	.1	-.2	-.2	-.2
Wisconsin .....	.6	.8	.9	.5	-.4	-.2
Wyoming	1.0	1.3	.3	-1.1	.5	1.6

¹ Less than 0.05 percent.

Table 3. Benchmark revisions for total nonfarm employment in metropolitan areas, March 1998

Measure	All MSAs	MSAs grouped by level of total nonfarm employment			
		Less than 100,000	100,000 to 499,999	500,000 to 999,999	Over 1 million
Average absolute percentage revision	0.9	1.2	0.9	0.7	0.6
Average percentage revision .....	.05	.1	-.06	-.08	.2
Range	-7.2 : 3.8	-4.0 : 3.2	-7.2 : 3.8	-1.7 : 1.9	-8 : 1.6
Standard deviation	1.2	1.5	1.3	.8	.7

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

(Numbers in thousands)

Category	1998										1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
Labor force status														
Civilian noninstitutional population	204,731	204,899	205,085	205,270	205,479	205,699	205,919	206,104	206,270	206,719	206,873	207,036	207,236	
Civilian labor force	137,232	137,369	137,498	137,407	137,481	138,081	138,116	138,193	138,547	139,347	139,271	138,816	139,091	
Percent of population	67.0	67.0	67.0	66.9	66.9	67.1	67.1	67.1	67.2	67.4	67.3	67.0	67.1	
Employed	131,280	131,330	131,253	131,176	131,264	131,818	131,858	132,113	132,526	133,396	133,144	133,033	133,069	
Percent of population	64.1	64.1	64.0	63.9	63.9	64.1	64.0	64.1	64.2	64.5	64.4	64.3	64.2	
Unemployed	5,952	6,039	6,245	6,231	6,217	6,263	6,258	6,080	6,021	5,950	6,127	5,783	6,022	
Not in labor force	67,499	67,530	67,587	67,863	67,998	67,618	67,803	67,911	67,723	67,372	67,602	68,220	68,145	
Unemployment rates														
All workers	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.4	4.2	4.3	
Men, 20 years and over	3.5	3.6	3.7	3.8	3.7	3.7	3.6	3.5	3.6	3.4	3.7	3.2	3.4	
Women, 20 years and over	4.1	3.9	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.8	3.9	4.1	
Both sexes, 16 to 19 years	13.5	14.3	14.8	14.2	14.9	15.2	15.7	15.0	14.0	15.5	14.1	14.3	14.1	
White	3.7	3.8	4.0	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.6	3.8	
Black	9.0	8.9	8.5	9.6	8.9	9.0	8.6	8.6	7.9	7.8	8.3	8.1	7.7	
Hispanic origin	6.7	6.9	7.5	7.2	7.4	7.4	7.3	7.3	7.6	6.6	6.7	5.8	6.9	

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

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

(Numbers in thousands)

Industry	1998										1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P	
Employment														
Total	125,234	125,562	125,751	125,869	126,191	126,363	126,527	126,804	127,118	127,335	127,670	127,677	127,911	
Total private	105,470	105,734	105,938	106,043	106,269	106,435	106,579	106,818	107,096	107,290	107,563	107,548	107,774	
Goods-producing industries	25,339	25,301	25,304	25,135	25,253	25,241	25,209	25,184	25,269	25,251	25,266	25,182	25,155	
Mining	582	579	578	571	571	568	564	560	557	547	539	537	531	
Construction	5,930	5,917	5,946	5,970	5,989	5,981	6,012	6,051	6,153	6,170	6,249	6,196	6,204	
Manufacturing	18,827	18,805	18,780	18,594	18,693	18,692	18,633	18,573	18,559	18,534	18,478	18,449	18,420	
Service-producing industries	99,895	100,261	100,447	100,734	100,938	101,122	101,318	101,620	101,849	102,084	102,404	102,495	102,756	
Transportation and public utilities	6,513	6,534	6,538	6,550	6,570	6,579	6,595	6,604	6,627	6,644	6,653	6,665	6,687	
Wholesale trade	6,798	6,815	6,821	6,827	6,838	6,862	6,864	6,877	6,882	6,907	6,917	6,923	6,934	
Retail trade	22,335	22,423	22,448	22,547	22,545	22,592	22,589	22,672	22,712	22,755	22,855	22,831	22,897	
Finance, insurance, and real estate	7,289	7,311	7,333	7,370	7,372	7,393	7,417	7,441	7,458	7,488	7,495	7,501	7,524	
Services	37,196	37,350	37,494	37,614	37,691	37,768	37,905	38,040	38,148	38,245	38,377	38,446	38,577	
Government	19,764	19,828	19,813	19,826	19,922	19,928	19,948	19,986	20,022	20,045	20,107	20,129	20,137	
Over-the-month change														
Total	320	328	189	118	322	172	164	277	314	217	335	7	234	
Total private	284	264	204	105	226	166	144	239	278	194	273	-15	228	
Goods-producing industries	63	-38	3	-169	118	-12	-32	-25	85	-18	15	-84	-27	
Mining	-5	-3	-1	-7	0	-3	-4	-4	-3	-10	-8	-2	-6	
Construction	70	-13	29	24	19	-8	31	39	102	17	79	-53	8	
Manufacturing	-2	-22	-25	-186	99	-1	-59	-60	-14	-25	-56	-29	-29	
Service-producing industries	257	366	186	287	204	184	196	302	229	235	320	91	261	
Transportation and public utilities	9	21	4	12	20	9	16	9	23	17	9	12	22	
Wholesale trade	15	17	6	6	11	24	2	13	5	25	10	6	11	
Retail trade	76	88	25	99	-2	47	-3	83	40	43	100	-24	66	
Finance, insurance, and real estate	31	22	22	37	2	21	24	24	17	30	7	6	23	
Services	90	154	144	120	77	77	137	135	108	97	132	69	131	
Government	36	64	-15	13	96	6	20	38	36	23	62	22	8	
Hours of work ¹														
Total private	34.5	34.7	34.6	34.6	34.6	34.4	34.6	34.5	34.6	34.5	34.6	34.4	34.5	
Manufacturing	41.4	41.8	41.8	41.7	41.7	41.6	41.7	41.7	41.7	41.6	41.6	41.5	41.7	
Overtime	4.5	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	
Indexes of aggregate weekly hours (1982=100) ¹														
Total private	144.0	144.9	144.8	145.2	145.3	144.9	145.8	145.7	146.4	146.4	147.2	146.4	146.6	
Manufacturing	108.7	109.4	109.0	107.2	108.0	108.0	107.8	107.3	107.4	106.8	106.6	106.2	106.3	
Earnings ¹														
Average hourly earnings, total private:														
Current dollars	\$12.70	\$12.73	\$12.76	\$12.79	\$12.85	\$12.87	\$12.90	\$12.94	\$12.98	\$13.03	\$13.05	\$13.08	\$13.11	
Constant (1982) dollars ²	7.73	7.74	7.75	7.76	7.78	7.79	7.79	7.80	7.81	7.83	7.84	7.85	N.A.	
Average weekly earnings, total private	438.15	441.73	441.50	442.53	444.61	442.73	446.34	446.43	449.11	449.54	451.53	449.95	452.30	

¹ Data relate to private production or nonsupervisory workers.

² The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

N.A. = not available.

^P = preliminary.

Chart 1. Nonfarm payroll employment, seasonally adjusted, 1995-99

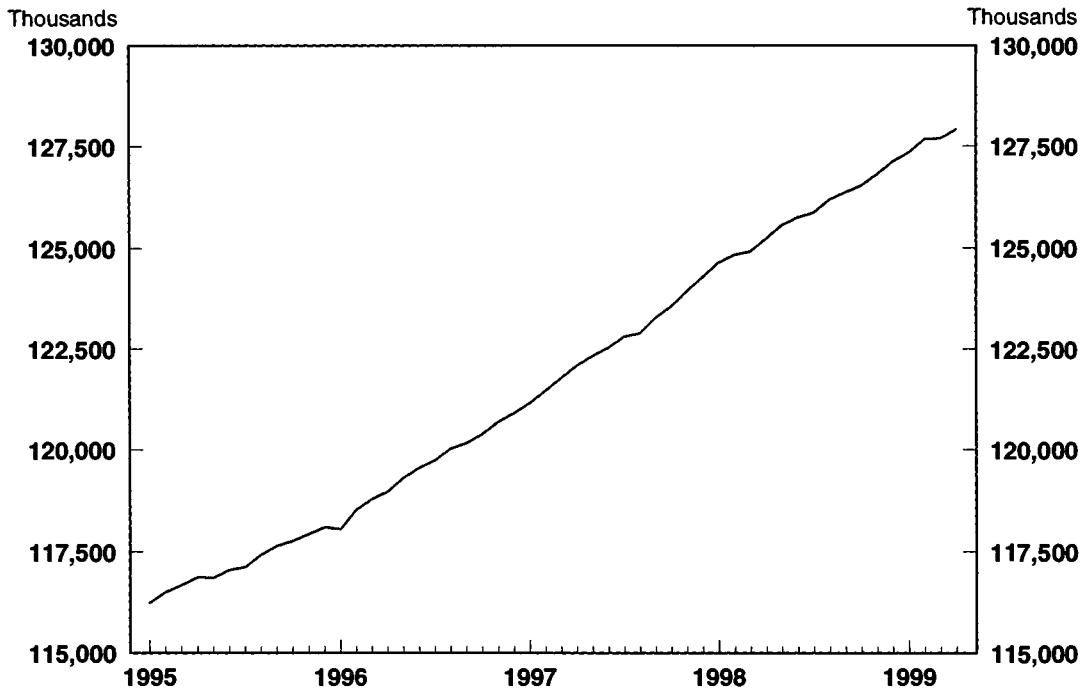
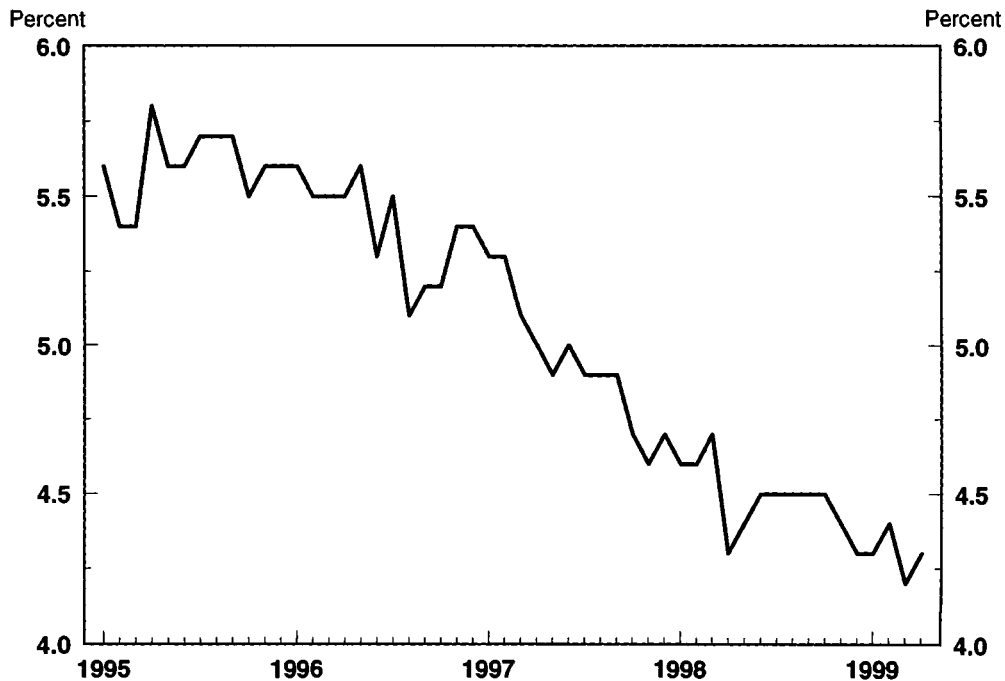


Chart 2. Unemployment rate, seasonally adjusted, 1995-99



NOTE: Beginning in 1990, data reflect 1990 census-based population controls, adjusted for the estimated undercount. Beginning in 1994, data reflect the introduction of a major redesign of the Current Population Survey. Beginning in 1997, data incorporate revisions in the population controls. Beginning in 1998, data incorporate new composite estimation procedures and updated population controls. Beginning in 1999, data incorporate revisions in the population controls. These changes affect comparability with data for prior periods.

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the civilian noninstitutional population 16 years and over, 1965 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	
Annual averages										
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 ¹	144,126	87,034	60.4	82,153	57.0	3,484	78,669	4,882	5.6	57,091
1973 ¹	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 ¹	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 ¹	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 ¹	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 ¹	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
1996	200,591	133,943	66.8	126,708	63.2	3,443	123,264	7,236	5.4	66,647
1997 ¹	203,133	136,297	67.1	129,558	63.8	3,399	126,159	6,739	4.9	66,837
1998 ¹	205,220	137,673	67.1	131,463	64.1	3,378	128,085	6,210	4.5	67,547
Monthly data, seasonally adjusted ²										
1998:										
April	204,731	137,232	67.0	131,280	64.1	3,381	127,899	5,952	4.3	67,499
May	204,899	137,369	67.0	131,330	64.1	3,351	127,979	6,039	4.4	67,530
June	205,085	137,498	67.0	131,253	64.0	3,363	127,890	6,245	4.5	67,587
July	205,270	137,407	66.9	131,176	63.9	3,423	127,753	6,231	4.5	67,863
August	205,479	137,481	66.9	131,264	63.9	3,492	127,772	6,217	4.5	67,998
September	205,699	138,081	67.1	131,818	64.1	3,470	128,348	6,263	4.5	67,618
October	205,919	138,116	67.1	131,858	64.0	3,558	128,300	6,258	4.5	67,803
November	206,104	138,193	67.1	132,113	64.1	3,348	128,765	6,080	4.4	67,911
December	206,270	138,547	67.2	132,526	64.2	3,222	129,304	6,021	4.3	67,723
1999:										
January ³	206,719	139,347	67.4	133,396	64.5	3,299	130,097	5,950	4.3	67,372
February	206,873	139,271	67.3	133,144	64.4	3,328	129,817	6,127	4.4	67,602
March	207,036	138,816	67.0	133,033	64.3	3,281	129,752	5,783	4.2	68,220
April	207,236	139,091	67.1	133,069	64.2	3,384	129,685	6,022	4.3	68,145

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

² The population figures are not adjusted for seasonal variation.

³ Beginning in January 1999, data are not strictly comparable with data

for 1998 and earlier years because of revisions in the population controls used in the household survey. For additional information, see "Revisions in the Current Population Survey Effective January 1999" in the February 1999 issue of this publication.

A-2. Employment status of the civilian noninstitutional population 16 years and over by sex, 1987 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	
Annual averages										
MEN										
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 ¹	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 ¹	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
1996	96,206	72,087	74.9	68,207	70.9	2,573	65,634	3,880	5.4	24,119
1997 ¹	97,715	73,261	75.0	69,685	71.3	2,552	67,133	3,577	4.9	24,454
1998 ¹	98,758	73,959	74.9	70,693	71.6	2,553	68,140	3,266	4.4	24,799
Monthly data, seasonally adjusted ²										
1998:										
April	98,503	73,723	74.8	70,695	71.8	2,595	68,100	3,028	4.1	24,780
May	98,591	73,792	74.8	70,603	71.6	2,508	68,095	3,189	4.3	24,799
June	98,691	73,866	74.8	70,592	71.5	2,541	68,051	3,274	4.4	24,825
July	98,785	73,969	74.9	70,629	71.5	2,589	68,040	3,360	4.5	24,796
August	98,892	73,754	74.6	70,503	71.3	2,631	67,872	3,251	4.4	25,138
September	99,006	74,202	74.9	70,841	71.8	2,644	68,197	3,361	4.5	24,804
October	99,121	74,189	74.8	70,925	71.6	2,734	68,191	3,264	4.4	24,932
November	99,217	74,345	74.9	71,182	71.7	2,578	68,604	3,163	4.3	24,872
December	99,309	74,437	75.0	71,204	71.7	2,414	68,790	3,233	4.3	24,872
1999:										
January ³	99,198	74,599	75.2	71,459	72.0	2,456	69,003	3,140	4.2	24,599
February	99,279	74,504	75.0	71,276	71.8	2,424	68,851	3,228	4.3	24,776
March	99,362	74,234	74.7	71,352	71.8	2,406	68,946	2,881	3.9	25,128
April	99,465	74,234	74.6	71,225	71.6	2,534	68,691	3,010	4.1	25,230
Annual averages										
WOMEN										
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	97,630	56,030	57.4	53,027	54.3	687	52,341	3,003	5.4	41,601
1990 ¹	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 ¹	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
1996	104,385	61,857	59.3	58,501	56.0	871	57,630	3,356	5.4	42,528
1997 ¹	105,418	63,036	59.8	59,873	56.8	847	59,026	3,162	5.0	42,382
1998 ¹	106,462	63,714	59.8	60,771	57.1	825	59,945	2,944	4.6	42,748
Monthly data, seasonally adjusted ²										
1998:										
April	106,228	63,509	59.8	60,585	57.0	786	59,799	2,924	4.6	42,719
May	106,308	63,577	59.8	60,727	57.1	843	59,884	2,850	4.5	42,731
June	106,394	63,632	59.8	60,661	57.0	822	59,839	2,971	4.7	42,762
July	106,484	63,418	59.6	60,547	56.9	834	59,713	2,871	4.5	43,066
August	106,587	63,727	59.8	60,761	57.0	861	59,900	2,966	4.7	42,860
September	106,693	63,879	59.9	60,977	57.2	826	60,151	2,902	4.5	42,814
October	106,798	63,927	59.9	60,933	57.1	824	60,109	2,994	4.7	42,871
November	106,887	63,848	59.7	60,931	57.0	770	60,161	2,917	4.6	43,039
December	106,960	64,110	59.9	61,322	57.3	808	60,514	2,788	4.3	42,850
1999:										
January ³	107,521	64,748	60.2	61,937	57.6	843	61,095	2,810	4.3	42,773
February	107,593	64,767	60.2	61,869	57.5	903	60,965	2,899	4.5	42,826
March	107,674	64,582	60.0	61,680	57.3	874	60,806	2,902	4.5	43,092
April	107,771	64,857	60.2	61,845	57.4	850	60,994	3,012	4.6	42,914

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

² The population figures are not adjusted for seasonal variation.

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

**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	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
TOTAL													
Civilian noninstitutional population ¹ ..	204,731	204,899	205,085	205,270	205,479	205,699	205,919	206,104	206,270	206,719	206,873	207,036	207,236
Civilian labor force	137,232	137,369	137,498	137,407	137,481	138,081	138,116	138,193	138,547	139,347	139,271	138,816	139,091
Percent of population	67.0	67.0	67.0	66.9	66.9	67.1	67.1	67.1	67.2	67.4	67.3	67.0	67.1
Employed	131,280	131,330	131,253	131,176	131,264	131,818	131,858	132,113	132,526	133,396	133,144	133,033	133,069
Employment-population ratio	64.1	64.1	64.0	63.9	63.9	64.1	64.0	64.1	64.2	64.5	64.4	64.3	64.2
Unemployed	5,952	6,039	6,245	6,231	6,217	6,263	6,258	6,080	6,021	5,950	6,127	5,783	6,022
Unemployment rate	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.4	4.2	4.3
Men, 16 years and over													
Civilian noninstitutional population ¹ ..	98,503	98,591	98,691	98,785	98,892	99,006	99,121	99,217	99,309	99,198	99,279	99,362	99,465
Civilian labor force	73,723	73,792	73,866	73,989	73,754	74,202	74,189	74,345	74,437	74,599	74,504	74,234	74,234
Percent of population	74.8	74.8	74.8	74.9	74.6	74.9	74.8	74.9	75.0	75.2	75.0	74.7	74.6
Employed	70,695	70,603	70,592	70,629	70,503	70,841	70,925	71,182	71,204	71,459	71,276	71,352	71,225
Employment-population ratio	71.8	71.6	71.5	71.5	71.3	71.6	71.6	71.7	71.7	72.0	71.8	71.8	71.6
Agriculture	2,595	2,508	2,541	2,589	2,631	2,644	2,734	2,578	2,414	2,456	2,424	2,406	2,534
Nonagricultural industries	68,100	68,095	68,051	68,040	67,872	68,197	68,191	68,604	68,790	69,003	68,851	68,946	68,691
Unemployed	3,028	3,189	3,274	3,360	3,251	3,361	3,264	3,163	3,233	3,140	3,228	2,881	3,010
Unemployment rate	4.1	4.3	4.4	4.5	4.4	4.5	4.4	4.3	4.3	4.2	4.3	3.9	4.1
Not in labor force	24,780	24,799	24,825	24,796	25,138	24,804	24,932	24,872	24,872	24,599	24,776	25,128	25,230
Men, 20 years and over													
Civilian noninstitutional population ¹ ..	90,580	90,622	90,700	90,802	90,889	91,003	91,101	91,192	91,220	91,124	91,189	91,215	91,302
Civilian labor force	69,616	69,608	69,590	69,738	69,518	69,869	69,913	70,023	70,069	70,295	70,174	69,951	69,991
Percent of population	76.9	76.8	76.7	76.8	76.5	76.8	76.7	76.8	76.8	77.1	77.0	76.7	76.7
Employed	67,173	67,084	66,994	67,056	66,940	67,262	67,362	67,573	67,553	67,884	67,577	67,713	67,608
Employment-population ratio	74.2	74.0	73.9	73.8	73.7	73.9	73.9	74.1	74.1	74.5	74.1	74.2	74.0
Agriculture	2,423	2,331	2,337	2,382	2,420	2,402	2,449	2,374	2,237	2,312	2,212	2,222	2,353
Nonagricultural industries	64,750	64,753	64,657	64,674	64,520	64,860	64,913	65,199	65,316	65,572	65,365	65,492	65,255
Unemployed	2,443	2,524	2,596	2,682	2,578	2,607	2,551	2,450	2,516	2,411	2,598	2,238	2,383
Unemployment rate	3.5	3.6	3.7	3.8	3.7	3.7	3.6	3.5	3.6	3.4	3.7	3.2	3.4
Not in labor force	20,964	21,014	21,110	21,064	21,371	21,134	21,188	21,169	21,151	20,829	21,014	21,263	21,312
Women, 16 years and over													
Civilian noninstitutional population ¹ ..	106,228	106,308	106,394	106,484	106,587	106,693	106,798	106,887	106,960	107,521	107,593	107,674	107,771
Civilian labor force	63,509	63,577	63,632	63,418	63,727	63,879	63,927	63,848	64,110	64,748	64,767	64,582	64,857
Percent of population	59.8	59.8	59.8	59.6	59.8	59.9	59.9	59.7	59.9	60.2	60.2	60.0	60.2
Employed	60,585	60,727	60,661	60,547	60,761	60,977	60,933	60,931	61,322	61,937	61,869	61,680	61,845
Employment-population ratio	57.0	57.1	57.0	56.9	57.0	57.2	57.1	57.0	57.3	57.6	57.5	57.3	57.4
Agriculture	786	843	822	834	861	826	824	770	808	843	903	874	850
Nonagricultural industries	59,799	59,884	59,839	59,713	59,900	60,151	60,109	60,161	60,514	61,095	60,965	60,806	60,994
Unemployed	2,924	2,850	2,971	2,871	2,966	2,902	2,994	2,917	2,788	2,810	2,899	2,902	3,012
Unemployment rate	4.6	4.5	4.7	4.5	4.7	4.5	4.7	4.6	4.3	4.3	4.5	4.5	4.6
Not in labor force	42,719	42,731	42,762	43,066	42,860	42,814	42,871	43,039	42,850	42,773	42,826	43,092	42,914
Women, 20 years and over													
Civilian noninstitutional population ¹ ..	98,583	98,668	98,735	98,778	98,901	98,994	99,037	99,135	99,181	99,686	99,746	99,833	99,923
Civilian labor force	59,539	59,583	59,613	59,465	59,708	59,804	59,826	59,896	60,078	60,718	60,622	60,533	60,788
Percent of population	60.4	60.4	60.4	60.2	60.4	60.4	60.4	60.4	60.6	60.9	60.8	60.6	60.8
Employed	57,117	57,235	57,190	57,078	57,295	57,426	57,437	57,503	57,745	58,466	58,291	58,183	58,320
Employment-population ratio	57.9	58.0	57.9	57.8	57.9	58.0	58.0	58.0	58.2	58.7	58.4	58.3	58.4
Agriculture	726	767	763	781	806	767	771	734	753	808	839	834	801
Nonagricultural industries	56,391	56,468	56,427	56,297	56,489	56,659	56,666	56,769	56,992	57,659	57,452	57,349	57,519
Unemployed	2,422	2,348	2,423	2,387	2,413	2,378	2,389	2,393	2,333	2,251	2,330	2,350	2,468
Unemployment rate	4.1	3.9	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.8	3.9	4.1
Not in labor force	39,044	39,085	39,122	39,313	39,193	39,190	39,211	39,239	39,103	38,968	39,124	39,300	39,135
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹ ..	15,569	15,609	15,651	15,690	15,689	15,702	15,781	15,777	15,868	15,909	15,939	15,988	16,011
Civilian labor force	8,077	8,178	8,295	8,204	8,255	8,408	8,377	8,274	8,400	8,334	8,475	8,331	8,312
Percent of population	51.9	52.4	53.0	52.3	52.6	53.5	53.1	52.4	52.9	52.4	53.2	52.1	51.9
Employed	6,990	7,011	7,069	7,042	7,029	7,130	7,059	7,037	7,228	7,046	7,276	7,136	7,141
Employment-population ratio	44.9	44.9	45.2	44.9	44.8	45.4	44.7	44.6	45.5	44.3	45.7	44.6	44.6
Agriculture	232	253	263	260	266	301	338	240	232	179	277	224	230
Nonagricultural industries	6,758	6,758	6,806	6,782	6,763	6,829	6,721	6,797	6,996	6,867	6,999	6,912	6,911
Unemployed	1,087	1,167	1,226	1,162	1,226	1,278	1,318	1,237	1,172	1,288	1,199	1,195	1,171
Unemployment rate	13.5	14.3	14.8	14.2	14.9	15.2	15.7	15.0	14.0	15.5	14.1	14.3	14.1
Not in labor force	7,492	7,431	7,356	7,486	7,434	7,294	7,404	7,503	7,468	7,575	7,464	7,657	7,698

¹ The population figures are not adjusted for seasonal variation.

NOTE: Detail for the seasonally adjusted data shown in tables A-3 through A-13 will not necessarily add to totals because of the independent seasonal

adjustment of the various series. Beginning in January 1999, data reflect revised population controls used in the household survey.

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	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
WHITE													
Civilian noninstitutional population ¹ ..	171,141	171,257	171,387	171,513	171,655	171,804	171,956	172,084	172,197	172,394	172,491	172,597	172,730
Civilian labor force	115,121	115,312	115,208	115,071	115,385	115,751	115,714	115,687	115,996	116,529	116,610	116,284	116,370
Percent of population	67.3	67.3	67.2	67.1	67.2	67.4	67.3	67.2	67.4	67.6	67.6	67.4	67.4
Employed	110,858	110,959	110,638	110,676	110,848	111,221	111,162	111,304	111,560	112,135	112,189	112,144	111,917
Employment-population ratio	64.8	64.8	64.6	64.5	64.6	64.7	64.6	64.7	64.8	65.0	65.0	65.0	64.8
Unemployed	4,263	4,353	4,570	4,395	4,537	4,530	4,552	4,383	4,436	4,394	4,420	4,140	4,454
Unemployment rate	3.7	3.8	4.0	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.6	3.8
Men, 20 years and over													
Civilian labor force	59,324	59,338	59,298	59,406	59,384	59,587	59,579	59,634	59,712	59,751	59,799	59,698	59,664
Percent of population	77.2	77.2	77.1	77.2	77.1	77.3	77.2	77.2	77.2	77.5	77.5	77.3	77.2
Employed	57,538	57,452	57,348	57,447	57,450	57,615	57,646	57,806	57,813	57,920	57,830	58,010	57,874
Employment-population ratio	74.9	74.7	74.6	74.6	74.7	74.7	74.7	74.8	74.8	75.1	75.0	75.1	74.9
Unemployed	1,786	1,886	1,950	1,959	1,934	1,972	1,933	1,828	1,899	1,831	1,969	1,688	1,790
Unemployment rate	3.0	3.2	3.3	3.3	3.3	3.3	3.2	3.1	3.2	3.1	3.3	2.8	3.0
Women, 20 years and over													
Civilian labor force	48,972	49,048	48,930	48,770	49,025	49,108	49,062	49,065	49,230	49,759	49,721	49,602	49,672
Percent of population	59.8	59.8	59.6	59.4	59.7	59.8	59.7	59.6	59.8	60.2	60.1	59.9	60.0
Employed	47,304	47,423	47,244	47,129	47,321	47,456	47,401	47,415	47,585	48,110	48,109	47,983	47,862
Employment-population ratio	57.7	57.8	57.6	57.4	57.6	57.7	57.6	57.6	57.8	58.2	58.2	58.0	57.8
Unemployed	1,668	1,625	1,686	1,641	1,704	1,652	1,661	1,650	1,645	1,650	1,612	1,620	1,811
Unemployment rate	3.4	3.3	3.4	3.4	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.3	3.6
Both sexes, 16 to 19 years													
Civilian labor force	6,825	6,926	6,980	6,895	6,976	7,056	7,073	6,988	7,054	7,019	7,090	6,984	7,034
Percent of population	55.2	55.8	56.1	55.3	55.8	56.4	56.4	55.7	56.1	55.6	56.1	55.2	55.5
Employed	6,016	6,084	6,046	6,100	6,077	6,150	6,115	6,083	6,162	6,105	6,250	6,151	6,181
Employment-population ratio	48.6	49.0	48.6	48.9	48.6	49.1	48.8	48.5	49.0	48.4	49.5	48.6	48.8
Unemployed	809	842	934	795	899	906	958	905	892	913	840	833	853
Unemployment rate	11.9	12.2	13.4	11.5	12.9	12.8	13.5	13.0	12.6	13.0	11.8	11.9	12.1
Men	12.9	14.0	14.4	13.2	14.2	14.7	14.1	14.1	14.5	14.1	12.2	12.7	12.6
Women	10.7	10.1	12.3	9.7	11.5	10.8	13.0	11.6	10.6	11.9	11.4	11.1	11.6
BLACK													
Civilian noninstitutional population ¹ ..	24,289	24,317	24,349	24,381	24,418	24,458	24,496	24,529	24,561	24,665	24,697	24,729	24,765
Civilian labor force	15,901	15,760	16,025	16,045	15,937	16,027	16,163	16,201	16,157	16,356	16,242	16,212	16,286
Percent of population	65.5	64.8	65.8	65.8	65.3	65.5	66.0	66.0	65.8	66.3	65.8	65.6	65.8
Employed	14,477	14,351	14,662	14,511	14,517	14,584	14,776	14,804	14,884	15,085	14,900	14,904	15,029
Employment-population ratio	59.6	59.0	60.2	59.5	59.5	59.6	60.3	60.4	60.6	61.2	60.3	60.3	60.7
Unemployed	1,424	1,409	1,363	1,534	1,420	1,443	1,387	1,397	1,273	1,271	1,342	1,308	1,257
Unemployment rate	9.0	8.9	8.5	9.6	8.9	9.0	8.6	8.6	7.9	7.8	8.3	8.1	7.7
Men, 20 years and over													
Civilian labor force	7,077	7,005	7,080	7,111	7,021	6,999	7,144	7,086	7,063	7,210	7,160	7,065	7,118
Percent of population	73.0	72.2	72.9	73.1	72.1	71.7	73.1	72.4	72.0	73.3	72.7	71.6	72.0
Employed	6,548	6,523	6,574	6,491	6,487	6,499	6,653	6,590	6,588	6,782	6,682	6,656	6,681
Employment-population ratio	67.6	67.2	67.7	66.7	66.6	66.6	68.0	67.3	67.2	68.9	67.8	67.4	67.6
Unemployed	529	482	506	620	534	500	491	496	475	428	477	409	437
Unemployment rate	7.5	6.9	7.1	8.7	7.6	7.1	6.9	7.0	6.7	5.9	6.7	5.8	6.1
Women, 20 years and over													
Civilian labor force	7,830	7,792	7,870	7,916	7,903	7,948	7,992	8,051	8,035	8,114	8,082	8,129	8,241
Percent of population	64.4	64.0	64.6	64.9	64.7	64.9	65.2	65.6	65.4	65.7	65.3	65.6	66.4
Employed	7,192	7,146	7,255	7,294	7,302	7,320	7,391	7,443	7,474	7,579	7,509	7,545	7,681
Employment-population ratio	59.1	58.7	59.5	59.8	59.7	59.8	60.3	60.6	60.8	61.3	60.7	60.9	61.9
Unemployed	638	646	615	622	601	628	601	608	561	535	573	584	560
Unemployment rate	8.1	8.3	7.8	7.9	7.6	7.9	7.5	7.6	7.0	6.6	7.1	7.2	6.8

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	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	994	963	1,075	1,018	1,013	1,080	1,027	1,064	1,059	1,032	1,000	1,018	927
Percent of population	40.8	39.5	44.0	41.5	41.3	44.0	41.8	43.3	43.0	41.8	40.5	41.2	37.5
Employed	737	682	833	726	728	765	732	771	822	725	708	702	667
Employment-population ratio	30.3	27.9	34.1	29.6	29.7	31.1	29.8	31.4	33.4	29.3	28.6	28.4	26.9
Unemployed	257	281	242	292	285	315	295	293	237	307	293	316	260
Unemployment rate	25.9	29.2	22.5	28.7	28.1	29.2	28.7	27.5	22.4	29.8	29.2	31.0	28.1
Men	26.0	31.2	22.4	30.2	29.7	32.7	34.7	33.0	27.3	34.2	31.6	32.9	33.0
Women	25.7	27.4	22.6	27.0	26.8	25.7	23.5	22.1	17.6	25.0	27.0	29.1	23.5
HISPANIC ORIGIN													
Civilian noninstitutional population ¹ ..	20,915	20,975	21,036	21,097	21,159	21,224	21,286	21,349	21,405	21,296	21,355	21,414	21,483
Civilian labor force	14,289	14,378	14,375	14,267	14,316	14,457	14,437	14,389	14,488	14,511	14,591	14,570	14,543
Percent of population	68.3	68.5	68.3	67.6	67.7	68.1	67.8	67.4	67.7	68.1	68.3	68.0	67.7
Employed	13,332	13,387	13,301	13,245	13,257	13,394	13,382	13,345	13,383	13,550	13,610	13,732	13,541
Employment-population ratio	63.7	63.8	63.2	62.8	62.7	63.1	62.9	62.5	62.5	63.6	63.7	64.1	63.0
Unemployed	957	991	1,074	1,022	1,059	1,063	1,055	1,044	1,105	960	980	838	1,002
Unemployment rate	6.7	6.9	7.5	7.2	7.4	7.4	7.3	7.3	7.6	6.6	6.7	5.8	6.9

¹ The population figures are not adjusted for seasonal variation.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics

are included in both the white and black population groups. Beginning in January 1999, data reflect revised population controls used in the household survey.

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

(Numbers in thousands)

Educational attainment	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Less than a high school diploma													
Civilian noninstitutional population ¹	29,638	29,931	30,064	29,027	29,204	29,290	28,713	29,084	29,094	28,901	28,112	28,442	27,991
Civilian labor force	12,624	12,630	12,784	12,561	12,496	12,563	12,408	12,463	12,500	12,379	12,164	12,094	11,753
Percent of population	42.6	42.2	42.5	43.3	42.8	42.9	43.2	42.9	43.0	42.8	43.3	42.5	42.0
Employed	11,729	11,762	11,873	11,665	11,612	11,692	11,556	11,574	11,626	11,459	11,257	11,356	10,972
Employment-population ratio	39.6	39.3	39.5	40.2	39.8	39.9	40.2	39.8	40.0	39.7	40.0	39.9	39.2
Unemployed	895	868	911	896	884	871	852	889	874	920	907	739	781
Unemployment rate	7.1	6.9	7.1	7.1	7.1	6.9	6.9	7.1	7.0	7.4	7.5	6.1	6.6
High school graduates, no college²													
Civilian noninstitutional population ¹	57,484	57,706	57,446	57,374	57,729	57,589	57,666	57,273	57,115	57,477	57,062	57,805	57,945
Civilian labor force	37,412	37,488	37,171	37,290	37,367	37,289	37,540	37,408	37,296	37,590	37,261	37,740	37,577
Percent of population	65.1	65.0	64.7	65.0	64.7	64.8	65.1	65.3	65.3	65.4	65.3	65.3	64.8
Employed	35,935	36,071	35,681	35,779	35,883	35,783	36,056	35,947	35,873	36,291	35,979	36,448	36,253
Employment-population ratio	62.5	62.5	62.1	62.4	62.2	62.1	62.5	62.8	62.8	63.1	63.1	63.1	62.6
Unemployed	1,477	1,417	1,490	1,511	1,484	1,506	1,484	1,461	1,423	1,299	1,282	1,292	1,324
Unemployment rate	3.9	3.8	4.0	4.1	4.0	4.0	4.0	3.9	3.8	3.5	3.4	3.4	3.5
Less than a bachelor's degree³													
Civilian noninstitutional population ¹	42,303	42,024	41,880	42,293	41,842	41,769	42,573	42,863	43,022	43,154	43,911	43,028	43,059
Civilian labor force	31,435	31,411	31,283	31,220	31,117	31,271	31,349	31,727	31,800	32,399	32,465	31,892	32,160
Percent of population	74.3	74.7	74.7	73.8	74.4	74.9	73.6	74.0	73.9	75.1	73.9	74.1	74.7
Employed	30,572	30,447	30,371	30,274	30,231	30,343	30,423	30,825	30,911	31,470	31,462	30,989	31,202
Employment-population ratio	72.3	72.5	72.5	71.6	72.3	72.6	71.5	71.9	71.8	72.9	71.6	72.0	72.5
Unemployed	863	964	912	946	886	928	926	902	889	929	1,003	903	958
Unemployment rate	2.7	3.1	2.9	3.0	2.8	3.0	3.0	2.8	2.8	2.9	3.1	2.8	3.0
College graduates													
Civilian noninstitutional population ¹	42,197	42,090	42,464	43,309	43,431	43,669	43,520	43,408	43,484	43,516	43,949	43,859	44,289
Civilian labor force	34,039	34,028	34,281	34,637	34,739	34,914	34,779	34,554	34,838	34,950	35,040	34,997	35,493
Percent of population	80.7	80.8	80.7	80.0	80.0	80.0	79.9	79.6	80.1	80.3	79.7	79.8	80.1
Employed	33,456	33,451	33,681	34,051	34,129	34,335	34,108	33,922	34,205	34,325	34,368	34,345	34,742
Employment-population ratio	79.3	79.5	79.3	78.6	78.6	78.6	78.4	78.1	78.7	78.9	78.2	78.3	78.4
Unemployed	583	577	600	586	610	579	671	632	633	624	673	652	752
Unemployment rate	1.7	1.7	1.8	1.7	1.8	1.7	1.9	1.8	1.8	1.8	1.9	1.9	2.1

¹ The population figures are not adjusted for seasonal variation.

² Includes high school diploma or equivalent.

³ Includes the categories, some college, no degree; and associate degree.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-6. Employed and unemployed full- and part-time workers by sex and age, seasonally adjusted

(Numbers in thousands)

Full- and part-time status, sex, and age	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
EMPLOYED													
Full-time workers	107,992	108,048	107,748	107,856	108,150	108,512	108,561	109,016	109,483	110,307	109,985	110,104	109,668
Men, 16 years and over	63,045	63,055	63,108	63,138	63,202	63,216	63,417	63,726	63,829	64,138	63,857	64,047	63,650
Men, 20 years and over	61,750	61,721	61,721	61,729	61,808	61,911	62,039	62,312	62,375	62,795	62,493	62,660	62,326
Women, 16 years and over	44,910	44,943	44,656	44,845	45,097	45,344	45,154	45,289	45,604	46,042	46,013	45,957	45,955
Women, 20 years and over	43,944	43,967	43,756	43,819	44,019	44,265	44,231	44,387	44,675	45,148	45,169	45,105	45,052
Both sexes, 16 to 19 years	2,298	2,360	2,271	2,308	2,323	2,336	2,291	2,317	2,433	2,364	2,324	2,339	2,290
Part-time workers	23,207	23,239	23,460	23,231	22,975	23,284	23,281	23,249	23,258	23,198	23,157	23,160	23,351
Men, 16 years and over	7,594	7,468	7,485	7,496	7,332	7,644	7,490	7,554	7,490	7,236	7,376	7,365	7,500
Men, 20 years and over	5,362	5,294	5,256	5,322	5,181	5,364	5,295	5,332	5,272	5,070	5,058	5,145	5,219
Women, 16 years and over	15,637	15,769	16,027	15,732	15,638	15,682	15,797	15,690	15,770	15,862	15,780	15,776	15,880
Women, 20 years and over	13,160	13,245	13,446	13,258	13,230	13,154	13,197	13,125	13,134	13,348	13,131	13,160	13,295
Both sexes, 16 to 19 years	4,685	4,700	4,758	4,651	4,564	4,766	4,789	4,792	4,852	4,780	4,967	4,854	4,836
UNEMPLOYED													
Looking for full-time work	4,763	4,877	4,915	4,943	4,919	4,916	4,871	4,736	4,781	4,708	4,929	4,617	4,805
Men, 16 years and over	2,538	2,690	2,768	2,823	2,739	2,788	2,698	2,611	2,675	2,529	2,691	2,283	2,498
Men, 20 years and over	2,219	2,337	2,399	2,461	2,364	2,383	2,324	2,235	2,319	2,235	2,384	2,058	2,196
Women, 16 years and over	2,249	2,176	2,221	2,077	2,209	2,159	2,215	2,179	2,131	2,063	2,167	2,230	2,325
Women, 20 years and over	1,991	1,933	1,936	1,918	1,959	1,924	1,944	1,918	1,891	1,802	1,933	1,973	2,063
Both sexes, 16 to 19 years	553	607	580	564	596	609	603	583	571	671	612	585	546
Looking for part-time work	1,192	1,194	1,288	1,283	1,298	1,298	1,362	1,340	1,263	1,272	1,196	1,191	1,214
Men, 16 years and over	526	523	564	551	539	571	594	577	581	489	472	485	552
Men, 20 years and over	224	196	193	221	205	213	223	219	209	180	208	178	186
Women, 16 years and over	705	698	753	749	744	708	748	757	663	752	735	698	710
Women, 20 years and over	436	417	482	482	459	424	442	464	412	447	429	397	408
Both sexes, 16 to 19 years	532	581	613	580	634	661	697	657	642	645	560	615	621
UNEMPLOYMENT RATES¹													
Full-time workers	4.2	4.3	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.3	4.0	4.2
Men, 16 years and over	3.9	4.1	4.2	4.3	4.2	4.2	4.1	3.9	4.0	3.8	4.0	3.4	3.8
Men, 20 years and over	3.5	3.6	3.7	3.8	3.7	3.7	3.6	3.5	3.6	3.4	3.7	3.2	3.4
Women, 16 years and over	4.8	4.6	4.7	4.4	4.7	4.5	4.7	4.6	4.5	4.3	4.5	4.6	4.8
Women, 20 years and over	4.3	4.2	4.2	4.2	4.3	4.2	4.2	4.1	4.1	3.8	4.1	4.2	4.4
Both sexes, 16 to 19 years	19.4	20.5	20.3	19.6	20.4	20.7	20.8	20.1	19.0	22.1	20.8	20.0	19.3
Part-time workers	4.9	4.9	5.2	5.2	5.3	5.3	5.5	5.4	5.2	5.2	4.9	4.9	4.9
Men, 16 years and over	6.5	6.5	7.0	6.8	6.8	7.0	7.3	7.1	7.2	6.3	6.0	6.2	6.9
Men, 20 years and over	4.0	3.6	3.5	4.0	3.8	3.8	4.0	3.9	3.8	3.4	3.9	3.4	3.4
Women, 16 years and over	4.3	4.2	4.5	4.5	4.5	4.3	4.5	4.6	4.0	4.5	4.5	4.2	4.3
Women, 20 years and over	3.2	3.1	3.5	3.5	3.4	3.1	3.2	3.4	3.0	3.2	3.2	2.9	3.0
Both sexes, 16 to 19 years	10.2	11.0	11.4	11.1	12.2	12.2	12.7	12.1	11.7	11.9	10.1	11.2	11.4

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

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

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

(In thousands)

Category	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
MARITAL STATUS													
Total	131,280	131,330	131,253	131,176	131,264	131,818	131,858	132,113	132,526	133,396	133,144	133,033	133,069
Married men, spouse present	42,860	42,560	42,648	42,850	42,874	43,170	43,090	43,209	43,227	43,542	43,016	43,114	43,190
Married women, spouse present	32,919	32,815	32,820	32,719	32,670	32,891	33,037	32,953	33,093	33,652	33,092	33,134	33,285
Women who maintain families	7,829	7,854	7,909	7,875	7,928	7,984	7,940	7,969	8,087	8,076	8,113	8,148	8,050
OCCUPATION													
Managerial and professional specialty	38,617	38,681	38,786	39,020	38,942	39,553	39,679	39,459	39,729	39,836	39,531	39,900	40,504
Technical, sales, and administrative support	38,568	38,493	38,573	38,513	38,843	38,478	38,431	38,430	38,307	38,846	39,254	38,893	38,866
Service occupations	17,527	17,776	17,856	17,683	17,770	17,926	17,692	18,024	17,976	18,070	18,163	18,074	17,868
Precision production, craft, and repair	14,566	14,766	14,466	14,334	14,158	14,045	14,192	14,552	14,685	14,751	14,742	14,661	14,518
Operators, fabricators, and laborers	18,374	18,284	18,152	18,157	17,968	18,118	18,168	18,067	18,480	18,476	18,021	18,177	17,656
Farming, forestry, and fishing	3,494	3,487	3,513	3,519	3,590	3,585	3,604	3,538	3,396	3,422	3,490	3,417	3,539
CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,990	1,920	1,857	2,010	2,111	2,145	2,247	2,005	1,912	1,987	1,895	1,893	1,908
Self-employed workers	1,345	1,391	1,445	1,374	1,342	1,290	1,282	1,304	1,304	1,298	1,381	1,376	1,439
Unpaid family workers	33	50	44	32	31	40	33	40	34	30	44	39	31
Nonagricultural industries:													
Wage and salary workers	118,705	118,852	118,733	118,647	118,840	119,148	119,275	119,718	120,380	121,115	121,066	121,005	120,785
Private industries	100,474	100,690	100,266	100,273	100,508	100,700	100,728	101,111	101,694	102,202	102,283	102,306	102,076
Private households	996	992	962	966	871	918	946	969	943	881	849	917	941
Other industries	99,478	99,698	99,304	99,307	99,637	99,782	99,782	100,142	100,751	101,321	101,434	101,389	101,135
Government	18,231	18,162	18,467	18,374	18,332	18,448	18,547	18,607	18,686	18,913	18,782	18,699	18,709
Self-employed workers	9,064	9,012	8,971	9,060	8,955	9,096	9,030	8,929	8,814	8,830	8,658	8,650	8,813
Unpaid family workers	119	95	97	91	88	88	95	112	122	121	114	125	63
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	3,755	3,754	3,792	3,757	3,503	3,419	3,404	3,340	3,417	3,562	3,426	3,564	3,408
Slack work or business conditions	2,095	2,119	2,183	2,299	2,019	1,913	2,031	1,910	1,927	2,093	1,984	2,045	1,920
Could only find part-time work	1,308	1,317	1,248	1,213	1,188	1,168	1,136	1,157	1,148	1,115	1,141	1,208	1,124
Part time for noneconomic reasons	18,296	18,544	18,619	18,589	18,653	18,687	18,667	18,634	18,674	18,485	18,642	18,545	18,882
Nonagricultural industries:													
Part time for economic reasons	3,606	3,608	3,618	3,606	3,339	3,191	3,253	3,191	3,257	3,413	3,298	3,374	3,224
Slack work or business conditions	2,010	2,033	2,102	2,193	1,926	1,800	1,927	1,824	1,841	1,989	1,906	1,955	1,831
Could only find part-time work	1,282	1,286	1,210	1,182	1,155	1,132	1,110	1,130	1,116	1,094	1,108	1,159	1,092
Part time for noneconomic reasons	17,653	17,956	17,992	17,982	18,031	18,161	18,107	18,110	18,155	17,921	18,061	17,944	18,320

¹ Persons at work excludes employed persons who were absent from their jobs during the entire reference week for reasons such as vacation, illness, or industrial dispute. Part time for noneconomic reasons excludes persons who usually work full time but worked only 1 to 34 hours during the reference week for reasons such as

holidays, illness, and bad weather.

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	131,280	131,330	131,253	131,176	131,264	131,818	131,858	132,113	132,526	133,396	133,144	133,033	133,069
16 to 24 years	19,615	19,568	19,569	19,471	19,490	19,676	19,757	19,705	19,859	19,891	20,081	20,063	19,940
16 to 19 years	6,990	7,011	7,069	7,042	7,029	7,130	7,059	7,037	7,228	7,046	7,276	7,136	7,141
16 to 17 years	2,797	2,746	2,710	2,752	2,730	2,788	2,721	2,709	2,808	2,751	2,841	2,786	2,818
18 to 19 years	4,189	4,264	4,392	4,302	4,286	4,339	4,332	4,340	4,419	4,313	4,413	4,361	4,319
20 to 24 years	12,625	12,557	12,500	12,429	12,461	12,546	12,698	12,668	12,631	12,846	12,804	12,926	12,799
25 years and over	111,669	111,810	111,681	111,679	111,820	112,115	112,126	112,409	112,654	113,557	113,068	112,985	113,124
25 to 54 years	95,168	95,181	95,134	95,102	95,212	95,364	95,309	95,623	95,822	96,713	96,146	95,968	95,967
55 years and over	16,478	16,553	16,503	16,647	16,607	16,783	16,771	16,781	16,871	16,836	16,972	17,053	17,136
Men, 16 years and over	70,695	70,603	70,592	70,629	70,503	70,841	70,925	71,182	71,204	71,459	71,276	71,352	71,225
16 to 24 years	10,213	10,138	10,203	10,118	10,141	10,206	10,246	10,332	10,347	10,320	10,435	10,425	10,158
16 to 19 years	3,522	3,519	3,598	3,573	3,563	3,579	3,563	3,609	3,651	3,574	3,699	3,639	3,617
16 to 17 years	1,428	1,384	1,381	1,396	1,377	1,393	1,348	1,380	1,405	1,427	1,453	1,404	1,398
18 to 19 years	2,101	2,131	2,247	2,180	2,177	2,172	2,213	2,218	2,243	2,170	2,238	2,242	2,223
20 to 24 years	6,691	6,619	6,605	6,545	6,578	6,627	6,683	6,723	6,696	6,745	6,736	6,786	6,541
25 years and over	60,467	60,502	60,380	60,508	60,444	60,617	60,680	60,840	60,843	61,148	60,843	60,905	61,026
25 to 54 years	51,311	51,273	51,182	51,205	51,167	51,232	51,299	51,606	51,502	51,811	51,430	51,435	51,446
55 years and over	9,124	9,207	9,162	9,327	9,238	9,386	9,340	9,311	9,374	9,362	9,465	9,495	9,536
Women, 16 years and over	60,585	60,727	60,661	60,547	60,761	60,977	60,933	60,931	61,322	61,937	61,869	61,680	61,845
16 to 24 years	9,402	9,430	9,366	9,353	9,349	9,470	9,511	9,373	9,512	9,572	9,646	9,637	9,782
16 to 19 years	3,468	3,492	3,471	3,469	3,466	3,551	3,496	3,428	3,577	3,471	3,578	3,497	3,524
16 to 17 years	1,369	1,362	1,329	1,356	1,353	1,395	1,373	1,329	1,403	1,324	1,388	1,382	1,420
18 to 19 years	2,088	2,133	2,145	2,122	2,109	2,167	2,119	2,122	2,176	2,142	2,175	2,119	2,096
20 to 24 years	5,934	5,938	5,895	5,884	5,883	5,919	6,015	5,945	5,935	6,101	6,068	6,140	6,258
25 years and over	51,202	51,308	51,301	51,171	51,376	51,498	51,446	51,569	51,811	52,410	52,226	52,080	52,099
25 to 54 years	43,857	43,908	43,952	43,897	44,045	44,132	44,010	44,017	44,320	44,902	44,715	44,534	44,521
55 years and over	7,354	7,346	7,341	7,320	7,369	7,397	7,431	7,470	7,497	7,474	7,508	7,558	7,600

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

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

(In thousands)

Age and sex	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	5,952	6,039	6,245	6,231	6,217	6,263	6,258	6,080	6,021	5,950	6,127	5,783	6,022
16 to 24 years	2,122	2,215	2,329	2,267	2,366	2,400	2,320	2,171	2,153	2,240	2,274	2,223	2,217
16 to 19 years	1,087	1,167	1,226	1,162	1,226	1,278	1,318	1,237	1,172	1,288	1,199	1,195	1,171
16 to 17 years	521	535	593	513	565	596	607	595	573	619	520	554	572
18 to 19 years	576	640	634	646	669	679	704	646	611	653	666	640	608
20 to 24 years	1,035	1,048	1,103	1,105	1,140	1,122	1,002	934	981	952	1,075	1,028	1,046
25 years and over	3,815	3,845	3,901	3,930	3,865	3,894	3,931	3,879	3,864	3,743	3,835	3,573	3,792
25 to 54 years	3,365	3,385	3,455	3,437	3,419	3,416	3,475	3,377	3,340	3,257	3,359	3,087	3,271
55 years and over	434	423	432	483	449	464	466	516	517	509	501	504	513
Men, 16 years and over	3,028	3,189	3,274	3,360	3,251	3,361	3,264	3,163	3,233	3,140	3,228	2,881	3,010
16 to 24 years	1,135	1,263	1,276	1,289	1,286	1,374	1,255	1,190	1,247	1,241	1,179	1,151	1,192
16 to 19 years	585	665	678	678	673	754	713	713	717	729	630	643	627
16 to 17 years	269	309	356	307	320	352	357	344	349	349	262	286	332
18 to 19 years	329	361	332	365	360	386	351	373	364	375	368	354	310
20 to 24 years	550	598	598	611	613	620	542	477	530	512	548	508	565
25 years and over	1,898	1,949	1,991	2,068	1,983	1,994	2,006	1,952	1,987	1,900	2,036	1,721	1,827
25 to 54 years	1,640	1,677	1,748	1,777	1,739	1,711	1,739	1,652	1,688	1,646	1,750	1,481	1,562
55 years and over	250	238	238	288	247	286	276	296	300	273	295	252	258
Women, 16 years and over	2,924	2,850	2,971	2,871	2,966	2,902	2,994	2,917	2,788	2,810	2,899	2,902	3,012
16 to 24 years	987	952	1,053	978	1,080	1,026	1,065	981	906	999	1,095	1,071	1,025
16 to 19 years	502	502	548	484	553	524	605	524	455	559	568	551	544
16 to 17 years	252	226	237	206	245	244	250	251	224	270	259	267	240
18 to 19 years	247	279	302	281	309	293	353	273	247	278	298	286	298
20 to 24 years	485	450	505	494	527	502	460	457	451	440	527	520	481
25 years and over	1,917	1,896	1,910	1,862	1,882	1,900	1,925	1,927	1,877	1,842	1,799	1,852	1,965
25 to 54 years	1,725	1,708	1,707	1,660	1,680	1,705	1,736	1,725	1,652	1,611	1,609	1,606	1,709
55 years and over	184	185	194	195	202	178	190	220	217	236	206	251	256

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Percent)

Age and sex	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
Total, 16 years and over	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.4	4.2	4.3
16 to 24 years	9.8	10.2	10.6	10.4	10.8	10.9	10.5	9.9	9.8	10.1	10.2	10.0	10.0
16 to 19 years	13.5	14.3	14.8	14.2	14.9	15.2	15.7	15.0	14.0	15.5	14.1	14.3	14.1
16 to 17 years	15.7	16.3	18.0	15.7	17.1	17.6	18.2	18.0	16.9	18.4	15.5	16.6	16.9
18 to 19 years	12.1	13.1	12.6	13.1	13.5	13.5	14.0	13.0	12.1	13.1	13.1	12.8	12.3
20 to 24 years	7.6	7.7	8.1	8.2	8.4	8.2	7.3	6.9	7.2	6.9	7.7	7.4	7.6
25 years and over	3.3	3.3	3.4	3.4	3.3	3.4	3.3	3.3	3.3	3.2	3.3	3.1	3.2
25 to 54 years	3.4	3.4	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.4	3.1	3.3
55 years and over	2.6	2.5	2.6	2.8	2.6	2.7	2.7	3.0	3.0	2.9	2.9	2.9	2.9
Men, 16 years and over	4.1	4.3	4.4	4.5	4.4	4.5	4.4	4.3	4.3	4.2	4.3	3.9	4.1
16 to 24 years	10.0	11.1	11.1	11.3	11.3	11.9	10.9	10.3	10.8	10.7	10.1	9.9	10.5
16 to 19 years	14.2	15.9	15.9	15.9	15.9	17.4	16.7	16.5	16.4	16.9	14.6	15.0	14.8
16 to 17 years	15.9	18.3	20.5	18.0	18.9	20.2	20.9	20.0	19.9	19.7	15.3	16.9	19.2
18 to 19 years	13.5	14.5	12.9	14.3	14.2	15.1	13.7	14.4	14.0	14.7	14.1	13.6	12.2
20 to 24 years	7.6	8.3	8.3	8.5	8.5	8.6	7.5	6.6	7.3	7.1	7.5	7.0	8.0
25 years and over	3.0	3.1	3.2	3.3	3.2	3.2	3.2	3.1	3.2	3.0	3.2	2.7	2.9
25 to 54 years	3.1	3.2	3.3	3.4	3.3	3.2	3.3	3.1	3.2	3.1	3.3	2.8	2.9
55 years and over	2.7	2.5	2.5	3.0	2.6	3.0	2.9	3.1	3.1	2.8	3.0	2.6	2.6
Women, 16 years and over	4.6	4.5	4.7	4.5	4.7	4.5	4.7	4.6	4.3	4.3	4.5	4.5	4.6
16 to 24 years	9.5	9.2	10.1	9.5	10.4	9.8	10.1	9.5	8.7	9.5	10.2	10.0	9.5
16 to 19 years	12.6	12.6	13.6	12.2	13.8	12.9	14.8	13.3	11.3	13.9	13.7	13.6	13.4
16 to 17 years	15.5	14.2	15.1	13.2	15.3	14.9	15.4	15.9	13.8	16.9	15.7	16.2	14.5
18 to 19 years	10.6	11.6	12.3	11.7	12.8	11.9	14.3	11.4	10.2	11.5	12.1	11.9	12.5
20 to 24 years	7.6	7.0	7.9	7.7	8.2	7.8	7.1	7.1	7.1	6.7	8.0	7.8	7.1
25 years and over	3.6	3.6	3.6	3.5	3.5	3.6	3.6	3.6	3.5	3.4	3.3	3.4	3.6
25 to 54 years	3.8	3.7	3.7	3.6	3.7	3.7	3.8	3.8	3.6	3.5	3.5	3.5	3.7
55 years and over	2.4	2.5	2.6	2.6	2.7	2.3	2.5	2.9	2.8	3.1	2.7	3.2	3.3

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

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

(Percent)

Category	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
CHARACTERISTIC													
Total	4.3	4.4	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.4	4.2	4.3
Men, 20 years and over	3.5	3.6	3.7	3.8	3.7	3.7	3.6	3.5	3.6	3.4	3.7	3.2	3.4
Women, 20 years and over	4.1	3.9	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.8	3.9	4.1
Both sexes, 16 to 19 years	13.5	14.3	14.8	14.2	14.9	15.2	15.7	15.0	14.0	15.5	14.1	14.3	14.1
White	3.7	3.8	4.0	3.8	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.6	3.8
Black and other	7.6	7.7	7.6	8.1	7.6	7.9	7.6	7.5	7.0	6.9	7.4	7.2	6.9
Black	9.0	8.9	8.5	9.6	8.9	9.0	8.6	8.6	7.9	7.8	8.3	8.1	7.7
Hispanic origin	6.7	6.9	7.5	7.2	7.4	7.4	7.3	7.3	7.6	6.6	6.7	5.8	6.9
Married men, spouse present	2.3	2.4	2.2	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.4	2.1	2.3
Married women, spouse present	2.8	2.8	2.9	2.8	3.1	2.7	2.8	2.9	2.8	2.8	2.8	2.7	2.9
Women who maintain families	7.5	7.5	7.1	6.9	6.8	7.6	6.9	6.9	6.3	6.1	6.5	6.7	7.2
OCCUPATION¹													
Managerial and professional specialty	1.9	1.7	1.7	1.7	1.9	1.8	1.9	1.8	1.8	1.8	1.9	1.9	1.9
Technical, sales, and administrative support	3.7	3.9	3.9	3.8	3.7	3.9	3.9	3.7	3.7	3.8	3.9	3.8	3.9
Precision production, craft, and repair	3.8	4.4	4.3	4.3	4.5	4.3	4.0	3.8	3.2	3.5	4.4	3.6	3.8
Operators, fabricators, and laborers	6.4	6.6	6.9	6.9	6.6	7.0	6.8	6.7	6.7	5.9	6.0	5.9	6.5
Farming, forestry, and fishing	6.1	6.5	6.4	6.6	5.9	7.0	5.4	6.3	7.5	7.7	7.8	6.9	7.3
INDUSTRY													
Nonagricultural private wage and salary workers ...	4.4	4.5	4.6	4.6	4.7	4.8	4.6	4.5	4.4	4.3	4.3	4.2	4.4
Goods-producing industries	4.5	4.6	4.7	4.8	4.8	5.1	4.6	4.6	4.6	4.6	4.7	4.3	4.5
Mining	2.9	1.6	4.0	3.9	3.6	3.0	2.4	2.2	4.3	7.4	7.7	5.3	9.3
Construction	6.6	8.0	7.9	6.8	7.4	8.6	6.7	7.0	6.4	7.3	7.5	6.7	7.4
Manufacturing	3.9	3.6	3.6	4.3	3.9	4.0	3.9	3.8	4.0	3.5	3.7	3.4	3.3
Durable goods	3.4	3.0	3.0	4.1	3.5	3.7	3.2	3.2	3.4	3.4	3.3	2.9	3.1
Nondurable goods	4.5	4.6	4.6	4.6	4.5	4.6	5.1	4.8	4.9	3.8	4.3	4.1	3.7
Service-producing industries	4.4	4.5	4.6	4.6	4.7	4.6	4.7	4.5	4.4	4.2	4.2	4.2	4.3
Transportation and public utilities	3.2	3.1	3.5	3.4	3.5	3.5	3.5	3.2	3.2	2.5	3.2	2.9	2.8
Wholesale and retail trade	5.4	5.3	5.6	5.6	5.6	5.7	5.6	5.2	5.5	5.2	5.2	5.4	5.4
Finance, insurance, and real estate	2.3	2.1	2.2	2.1	2.7	2.4	2.5	2.8	2.8	2.4	2.4	1.9	3.2
Services	4.3	4.7	4.6	4.6	4.7	4.5	4.7	4.6	4.1	4.1	4.0	4.2	4.1
Government workers	2.0	2.4	2.2	2.4	2.2	2.2	2.2	2.1	2.0	2.2	2.3	2.1	2.5
Agricultural wage and salary workers	8.0	8.0	8.4	8.2	7.4	7.9	6.7	7.6	8.3	9.6	11.3	9.5	9.7

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason	1998										1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
NUMBER OF UNEMPLOYED														
Job losers and persons who completed temporary jobs	2,706	2,822	2,832	2,865	2,834	2,865	2,813	2,758	2,754	2,696	2,738	2,563	2,700	
On temporary layoff	723	816	851	931	937	909	857	850	841	864	849	812	838	
Not on temporary layoff	1,983	2,006	1,981	1,934	1,897	1,956	1,956	1,908	1,913	1,832	1,889	1,751	1,862	
Job leavers	641	749	754	770	734	727	730	677	709	699	751	780	841	
Reentrants	2,115	2,081	2,112	2,072	2,124	2,161	2,142	2,130	2,031	1,993	2,110	1,988	2,044	
New entrants	518	505	517	474	507	501	577	534	504	537	509	431	469	
PERCENT DISTRIBUTION														
Job losers and persons who completed temporary jobs	45.3	45.8	45.6	46.4	45.7	45.8	44.9	45.2	45.9	45.5	44.8	44.5	44.6	
On temporary layoff	12.1	13.3	13.7	15.1	15.1	14.5	13.7	13.9	14.0	14.6	13.9	14.1	13.9	
Not on temporary layoff	33.2	32.6	31.9	31.3	30.6	31.3	31.2	31.3	31.9	30.9	30.9	30.4	30.8	
Job leavers	10.7	12.2	12.1	12.5	11.8	11.6	11.7	11.1	11.8	11.8	12.3	13.5	13.9	
Reentrants	35.4	33.8	34.0	33.5	34.3	34.6	34.2	34.9	33.9	33.6	34.5	34.5	33.8	
New entrants	8.7	8.2	8.3	7.7	8.2	8.0	9.2	8.8	8.4	9.1	8.3	7.5	7.7	
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE														
Job losers and persons who completed temporary jobs	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	2.0	1.8	1.9	
Job leavers .....	.5	.5	.5	.6	.5	.5	.5	.5	.5	.5	.5	.6	.6
Reentrants	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.5	1.5	1.4	1.5	1.4	1.5	
New entrants .....	.4	.4	.4	.3	.4	.4	.4	.4	.4	.4	.4	.3	.3

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

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

(Numbers in thousands)

Duration	1998										1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
NUMBER OF UNEMPLOYED														
Less than 5 weeks	2,626	2,608	2,553	2,626	2,652	2,638	2,754	2,546	2,614	2,353	2,601	2,478	2,788	
5 to 14 weeks	1,929	1,967	2,022	1,975	1,956	1,968	1,896	1,983	1,839	2,071	1,944	1,891	1,867	
15 weeks and over	1,461	1,509	1,641	1,606	1,644	1,636	1,598	1,611	1,578	1,469	1,550	1,434	1,446	
15 to 26 weeks	605	671	833	783	810	732	732	752	754	753	766	736	773	
27 weeks and over	856	838	808	823	834	904	866	859	824	716	784	697	673	
Average (mean) duration, in weeks	14.5	14.7	14.1	14.3	13.7	14.3	14.1	14.4	14.1	13.4	13.8	13.5	13.1	
Median duration, in weeks	6.6	6.1	6.7	6.7	6.8	6.6	5.9	6.7	6.7	6.9	7.0	6.9	6.1	
PERCENT DISTRIBUTION														
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Less than 5 weeks	43.7	42.9	41.1	42.3	42.4	42.3	44.1	41.5	43.3	39.9	42.7	42.7	45.7	
5 to 14 weeks	32.1	32.3	32.5	31.8	31.3	31.5	30.3	32.3	30.5	35.1	31.9	32.6	30.6	
15 weeks and over	24.3	24.8	26.4	25.9	26.3	26.2	25.6	26.2	26.2	24.9	25.4	24.7	23.7	
15 to 26 weeks	10.1	11.0	13.4	12.6	13.0	11.7	11.7	12.2	12.5	12.8	12.6	12.7	12.7	
27 weeks and over	14.2	13.8	13.0	13.3	13.3	14.5	13.9	14.0	13.7	12.1	12.9	12.0	11.0	

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

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

(Numbers in thousands)

Age, sex, and race	April 1999									
	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	
TOTAL										
16 years and over	207,236	138,240	66.7	132,552	64.0	3,320	129,232	5,688	4.1	68,996
16 to 19 years	16,011	7,787	48.6	6,735	42.1	204	6,531	1,052	13.5	8,224
16 to 17 years	8,072	3,121	38.7	2,571	31.9	71	2,500	549	17.6	4,951
18 to 19 years	7,939	4,667	58.8	4,164	52.4	133	4,031	503	10.8	3,272
20 to 24 years	17,942	13,623	75.9	12,665	70.6	351	12,314	959	7.0	4,319
25 to 54 years	117,862	99,129	84.1	95,935	81.4	2,027	93,908	3,194	3.2	18,733
25 to 34 years	38,104	32,071	84.2	30,819	80.9	678	30,141	1,252	3.9	6,033
25 to 29 years	18,404	15,487	84.2	14,811	80.5	338	14,474	676	4.4	2,917
30 to 34 years	19,700	16,584	84.2	16,007	81.3	340	15,668	577	3.5	3,116
35 to 44 years	44,521	37,865	85.1	36,683	82.4	763	35,920	1,183	3.1	6,656
35 to 39 years	22,297	18,912	84.8	18,358	82.3	346	18,013	553	2.9	3,385
40 to 44 years	22,224	18,954	85.3	18,324	82.5	417	17,907	629	3.3	3,270
45 to 54 years	35,238	29,193	82.8	28,433	80.7	587	27,847	759	2.6	6,045
45 to 49 years	19,168	16,321	85.2	15,880	82.8	343	15,537	441	2.7	2,846
50 to 54 years	16,070	12,871	80.1	12,553	78.1	244	12,309	318	2.5	3,198
55 to 64 years	23,002	13,706	59.6	13,332	58.0	424	12,908	375	2.7	9,295
55 to 59 years	12,708	8,892	70.0	8,647	68.0	231	8,416	245	2.8	3,815
60 to 64 years	10,294	4,814	46.8	4,685	45.5	193	4,492	129	2.7	5,480
65 years and over	32,419	3,994	12.3	3,885	12.0	314	3,571	108	2.7	28,425
65 to 69 years	9,269	2,130	23.0	2,063	22.3	151	1,912	67	3.2	7,139
70 to 74 years	8,516	1,158	13.6	1,135	13.3	89	1,046	22	1.9	7,358
75 years and over	14,634	706	4.8	688	4.7	74	613	19	2.7	13,928
Men										
16 years and over	99,465	73,837	74.2	70,877	71.3	2,504	68,373	2,959	4.0	25,628
16 to 19 years	8,162	3,988	48.9	3,414	41.8	165	3,249	574	14.4	4,174
16 to 17 years	4,156	1,595	38.4	1,275	30.7	54	1,221	320	20.1	2,561
18 to 19 years	4,006	2,393	59.7	2,139	53.4	111	2,028	254	10.6	1,613
20 to 24 years	8,850	6,970	78.8	6,445	72.8	263	6,183	524	7.5	1,880
25 to 54 years	57,729	53,052	91.9	51,448	89.1	1,519	49,929	1,604	3.0	4,677
25 to 34 years	18,642	17,380	93.2	16,746	89.8	552	16,194	634	3.6	1,262
25 to 29 years	8,989	8,342	92.8	8,002	89.0	285	7,717	340	4.1	647
30 to 34 years	9,653	9,039	93.6	8,744	90.6	267	8,477	294	3.3	614
35 to 44 years	21,929	20,380	92.9	19,807	90.3	553	19,253	573	2.8	1,549
35 to 39 years	10,989	10,268	93.4	10,018	91.2	276	9,742	250	2.4	721
40 to 44 years	10,940	10,111	92.4	9,788	89.5	278	9,511	323	3.2	828
45 to 54 years	17,158	15,292	89.1	14,895	86.8	413	14,482	396	2.6	1,867
45 to 49 years	9,361	8,515	91.0	8,284	88.5	242	8,042	231	2.7	846
50 to 54 years	7,798	6,777	86.9	6,612	84.8	172	6,440	165	2.4	1,021
55 to 64 years	10,972	7,509	68.4	7,305	66.6	303	7,002	203	2.7	3,463
55 to 59 years	6,080	4,832	79.5	4,704	77.4	160	4,544	128	2.6	1,248
60 to 64 years	4,892	2,677	54.7	2,602	53.2	143	2,459	76	2.8	2,215
65 years and over	13,751	2,318	16.9	2,264	16.5	254	2,010	54	2.3	11,433
65 to 69 years	4,279	1,208	28.2	1,178	27.5	121	1,057	30	2.4	3,071
70 to 74 years	3,752	674	18.0	664	17.7	69	595	11	1.6	3,078
75 years and over	5,721	436	7.6	423	7.4	65	358	14	3.2	5,284
Women										
16 years and over	107,771	64,403	59.8	61,675	57.2	816	60,859	2,729	4.2	43,368
16 to 19 years	7,849	3,799	48.4	3,321	42.3	39	3,282	478	12.6	4,049
16 to 17 years	3,915	1,525	39.0	1,296	33.1	17	1,279	229	15.0	2,390
18 to 19 years	3,933	2,274	57.8	2,025	51.5	21	2,003	249	11.0	1,659
20 to 24 years	9,092	6,654	73.2	6,219	68.4	88	6,131	434	6.5	2,438
25 to 54 years	60,133	46,077	76.6	44,487	74.0	508	43,978	1,590	3.5	14,056
25 to 34 years	19,462	14,691	75.5	14,073	72.3	126	13,947	618	4.2	4,771
25 to 29 years	9,415	7,145	75.9	6,810	72.3	53	6,756	336	4.7	2,269
30 to 34 years	10,047	7,545	75.1	7,263	72.3	72	7,191	282	3.7	2,502
35 to 44 years	22,592	17,485	77.4	16,876	74.7	209	16,667	609	3.5	5,107
35 to 39 years	11,308	8,643	76.4	8,340	73.8	70	8,270	303	3.5	2,665
40 to 44 years	11,284	8,842	78.4	8,536	75.6	139	8,396	306	3.5	2,442
45 to 54 years	18,079	13,901	76.9	13,538	74.9	174	13,365	363	2.6	4,178
45 to 49 years	9,807	7,807	79.6	7,597	77.5	102	7,495	210	2.7	2,000
50 to 54 years	8,272	6,094	73.7	5,942	71.8	72	5,869	153	2.5	2,178
55 to 64 years	12,029	6,198	51.5	6,026	50.1	120	5,906	171	2.8	5,832
55 to 59 years	6,627	4,961	61.3	3,943	59.5	71	3,872	117	2.9	2,567
60 to 64 years	5,402	2,137	39.6	2,083	38.6	50	2,034	54	2.5	3,265
65 years and over	18,668	1,676	9.0	1,621	8.7	60	1,561	54	3.2	16,992
65 to 69 years	4,990	922	18.5	885	17.7	30	855	38	4.1	4,068
70 to 74 years	4,764	483	10.1	472	9.9	21	451	12	2.4	4,280
75 years and over	8,914	270	3.0	265	3.0	10	256	5	1.8	8,644

See footnotes at end of table.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	April 1999									
	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	
WHITE										
16 years and over	172,730	115,633	66.9	111,439	64.5	3,095	108,344	4,194	3.6	57,097
16 to 19 years	12,667	6,599	52.1	5,819	45.9	191	5,628	780	11.8	6,069
16 to 17 years	6,342	2,678	42.2	2,253	35.5	71	2,182	425	15.9	3,664
18 to 19 years	6,326	3,921	62.0	3,565	56.4	120	3,445	355	9.1	2,405
20 to 24 years	14,337	11,179	78.0	10,510	73.3	333	10,177	669	6.0	3,158
25 to 54 years	97,202	82,301	84.7	79,971	82.3	1,884	78,087	2,330	2.8	14,901
25 to 34 years	30,639	25,919	84.6	25,076	81.8	637	24,439	843	3.3	4,719
25 to 29 years	14,689	12,457	84.8	11,997	81.7	326	11,671	460	3.7	2,233
30 to 34 years	15,949	13,462	84.4	13,079	82.0	310	12,768	384	2.9	2,487
35 to 44 years	36,738	31,410	85.5	30,542	83.1	703	29,839	868	2.8	5,328
35 to 39 years	18,412	15,697	85.3	15,315	83.2	318	14,997	382	2.4	2,715
40 to 44 years	18,326	15,713	85.7	15,227	83.1	385	14,842	486	3.1	2,613
45 to 54 years	29,825	24,971	83.7	24,353	81.7	544	23,808	619	2.5	4,854
45 to 49 years	16,066	13,800	85.9	13,442	83.7	320	13,122	357	2.6	2,266
50 to 54 years	13,760	11,171	81.2	10,910	79.3	224	10,686	261	2.3	2,588
55 to 64 years	19,759	11,975	60.6	11,646	58.9	380	11,266	329	2.7	7,784
55 to 59 years	10,871	7,762	71.4	7,552	69.5	202	7,350	210	2.7	3,109
60 to 64 years	8,888	4,214	47.4	4,094	46.1	179	3,915	120	2.8	4,675
65 years and over	28,765	3,580	12.4	3,493	12.1	307	3,187	86	2.4	25,185
65 to 69 years	8,047	1,871	23.2	1,818	22.6	145	1,673	52	2.8	6,176
70 to 74 years	7,545	1,078	14.3	1,061	14.1	89	972	17	1.6	6,467
75 years and over	13,173	631	4.8	614	4.7	72	542	17	2.7	12,542
Men										
16 years and over	83,746	62,935	75.1	60,731	72.5	2,317	58,414	2,204	3.5	20,811
16 to 19 years	6,481	3,386	52.2	2,973	45.9	152	2,820	413	12.2	3,095
16 to 17 years	3,266	1,356	41.5	1,114	34.1	54	1,060	242	17.9	1,910
18 to 19 years	3,215	2,030	63.2	1,859	57.8	99	1,761	171	8.4	1,185
20 to 24 years	7,216	5,949	82.4	5,578	77.3	250	5,328	371	6.2	1,267
25 to 54 years	48,267	44,846	92.9	43,661	90.5	1,404	42,257	1,185	2.6	3,421
25 to 34 years	15,212	14,341	94.3	13,891	91.3	514	13,377	449	3.1	871
25 to 29 years	7,277	6,829	93.8	6,588	90.5	273	6,315	241	3.5	448
30 to 34 years	7,935	7,512	94.7	7,304	92.0	241	7,063	208	2.8	423
35 to 44 years	18,332	17,184	93.7	16,768	91.5	504	16,264	416	2.4	1,149
35 to 39 years	9,189	8,659	94.2	8,488	92.4	254	8,234	171	2.0	530
40 to 44 years	9,144	8,525	93.2	8,280	90.6	251	8,030	245	2.9	619
45 to 54 years	14,723	13,322	90.5	13,001	88.3	385	12,616	320	2.4	1,401
45 to 49 years	7,962	7,331	92.1	7,148	89.8	228	6,922	183	2.5	632
50 to 54 years	6,761	5,991	88.6	5,853	86.6	159	5,694	138	2.3	770
55 to 64 years	9,536	6,644	69.7	6,460	67.7	263	6,197	184	2.8	2,892
55 to 59 years	5,279	4,280	81.1	4,163	78.9	133	4,030	117	2.7	1,000
60 to 64 years	4,256	2,364	55.6	2,297	54.0	130	2,167	67	2.9	1,892
65 years and over	12,246	2,110	17.2	2,060	16.8	248	1,812	50	2.4	10,136
65 to 69 years	3,737	1,074	28.7	1,049	28.1	117	932	25	2.4	2,663
70 to 74 years	3,356	633	18.9	622	18.5	69	554	11	1.7	2,724
75 years and over	5,152	403	7.8	389	7.5	62	326	14	3.5	4,750
Women										
16 years and over	88,984	52,698	59.2	50,708	57.0	778	49,930	1,990	3.8	36,286
16 to 19 years	6,186	3,212	51.9	2,846	46.0	39	2,807	366	11.4	2,974
16 to 17 years	3,075	1,322	43.0	1,140	37.1	17	1,123	182	13.8	1,753
18 to 19 years	3,110	1,890	60.8	1,706	54.8	21	1,685	184	9.7	1,220
20 to 24 years	7,121	5,230	73.4	4,932	69.3	83	4,849	298	5.7	1,891
25 to 54 years	48,935	37,455	76.5	36,310	74.2	481	35,830	1,144	3.1	11,480
25 to 34 years	15,427	11,579	75.1	11,184	72.5	122	11,062	394	3.4	3,848
25 to 29 years	7,413	5,628	75.9	5,410	73.0	53	5,357	218	3.9	1,785
30 to 34 years	8,014	5,950	74.3	5,775	72.1	69	5,706	176	3.0	2,063
35 to 44 years	18,406	14,227	77.3	13,775	74.8	199	13,575	452	3.2	4,179
35 to 39 years	9,223	7,038	76.3	6,828	74.0	65	6,763	211	3.0	2,185
40 to 44 years	9,182	7,188	78.3	6,947	75.7	134	6,813	241	3.4	1,994
45 to 54 years	15,102	11,650	77.1	11,351	75.2	159	11,192	298	2.6	3,453
45 to 49 years	8,103	6,469	79.8	6,294	77.7	94	6,201	175	2.7	1,634
50 to 54 years	6,999	5,181	74.0	5,057	72.3	65	4,992	124	2.4	1,819
55 to 64 years	10,223	5,331	52.1	5,186	50.7	117	5,069	145	2.7	4,892
55 to 59 years	5,591	3,482	62.3	3,389	60.6	69	3,321	93	2.7	2,109
60 to 64 years	4,632	1,849	39.9	1,797	38.8	48	1,748	52	2.8	2,783
65 years and over	16,519	1,470	8.9	1,433	8.7	59	1,374	37	2.5	15,049
65 to 69 years	4,310	796	18.5	769	17.8	29	741	27	3.4	3,513
70 to 74 years	4,188	445	10.6	439	10.5	21	418	6	1.4	3,743
75 years and over	8,021	228	2.8	225	2.8	10	216	3	1.3	7,792

See footnotes at end of table.

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

(Numbers in thousands)

Age, sex, and race	April 1999									
	Civilian noninstitutional population	Civilian labor force								Not in labor force
		Total	Percent of population	Employed				Unemployed		
				Total	Percent of population	Agriculture	Nonagricultural industries	Number	Percent of labor force	
BLACK										
16 years and over	24,765	16,159	65.2	14,979	60.5	133	14,846	1,180	7.3	8,606
16 to 19 years	2,475	845	34.1	637	25.7	-	637	208	24.6	1,630
16 to 17 years	1,252	294	23.5	201	16.0	-	201	93	31.8	958
18 to 19 years	1,223	551	45.0	436	35.6	-	436	115	20.9	672
20 to 24 years	2,601	1,789	68.8	1,542	59.3	8	1,534	247	13.8	811
25 to 54 years	14,693	12,086	82.3	11,403	77.6	98	11,305	683	5.6	2,608
25 to 34 years	5,207	4,443	85.3	4,097	78.7	34	4,063	347	7.8	764
25 to 29 years	2,555	2,173	85.1	1,984	77.7	8	1,976	169	8.7	382
30 to 34 years	2,652	2,270	85.6	2,113	79.7	26	2,087	157	6.9	382
35 to 44 years	5,593	4,659	83.3	4,422	79.1	38	4,384	237	5.1	934
35 to 39 years	2,856	2,400	84.0	2,262	79.2	17	2,245	138	5.7	456
40 to 44 years	2,737	2,259	82.5	2,160	78.9	21	2,139	99	4.4	478
45 to 54 years	3,894	2,984	76.6	2,884	74.1	25	2,858	100	3.3	910
45 to 49 years	2,245	1,804	80.3	1,745	77.7	16	1,729	59	3.3	441
50 to 54 years	1,648	1,180	71.6	1,139	69.1	9	1,130	40	3.4	469
55 to 64 years	2,288	1,150	50.3	1,123	49.1	27	1,096	27	2.4	1,138
55 to 59 years	1,258	744	59.2	720	57.2	18	702	24	3.3	514
60 to 64 years	1,030	406	39.4	403	39.1	9	394	3	.8	624
65 years and over	2,709	289	10.7	275	10.1	-	275	14	4.9	2,420
65 to 69 years	880	160	18.1	151	17.2	-	151	9	5.5	720
70 to 74 years	692	65	9.5	60	8.7	-	60	5	(1)	627
75 years and over	1,137	64	5.6	64	5.6	-	64	-	(1)	1,073
Men										
16 years and over	11,101	7,493	67.5	6,941	62.5	114	6,827	552	7.4	3,608
16 to 19 years	1,216	401	33.0	280	23.0	-	280	121	30.2	815
16 to 17 years	629	159	25.3	101	16.1	-	101	57	36.2	470
18 to 19 years	587	242	41.2	178	30.4	-	178	64	26.2	345
20 to 24 years	1,190	743	62.4	612	51.4	5	607	131	17.6	448
25 to 54 years	6,645	5,688	85.6	5,398	81.2	84	5,314	290	5.1	957
25 to 34 years	2,324	2,091	89.9	1,951	83.9	34	1,917	140	6.7	234
25 to 29 years	1,127	1,030	91.4	953	84.5	8	944	77	7.5	97
30 to 34 years	1,197	1,061	88.6	999	83.4	26	973	63	5.9	136
35 to 44 years	2,557	2,222	86.9	2,120	82.9	33	2,087	102	4.6	335
35 to 39 years	1,300	1,142	87.8	1,084	83.4	16	1,067	58	5.1	158
40 to 44 years	1,257	1,080	85.9	1,036	82.4	16	1,020	44	4.1	177
45 to 54 years	1,763	1,375	78.0	1,326	75.2	17	1,310	48	3.5	388
45 to 49 years	1,016	841	82.7	811	79.8	12	799	30	3.6	175
50 to 54 years	747	534	71.5	516	69.1	33	511	18	3.4	213
55 to 64 years	971	531	54.6	521	53.6	25	496	10	1.9	441
55 to 59 years	536	345	64.4	339	63.2	16	322	7	2.0	191
60 to 64 years	435	185	42.5	182	41.8	9	173	3	1.7	250
65 years and over	1,078	131	12.1	131	12.1	-	131	-	-	947
65 to 69 years	366	73	20.0	73	20.0	-	73	-	(1)	293
70 to 74 years	298	31	10.3	31	10.3	-	31	-	(1)	267
75 years and over	414	27	6.4	27	6.4	-	27	-	(1)	388
Women										
16 years and over	13,664	8,666	63.4	8,038	58.8	19	8,019	628	7.2	4,998
16 to 19 years	1,259	444	35.3	357	28.4	-	357	87	19.7	814
16 to 17 years	623	135	21.7	99	16.0	-	99	36	26.6	488
18 to 19 years	635	309	48.6	257	40.5	-	257	51	16.6	327
20 to 24 years	1,410	1,047	74.2	930	65.9	3	927	116	11.1	364
25 to 54 years	8,048	6,398	79.5	6,005	74.6	14	5,991	393	6.1	1,650
25 to 34 years	2,882	2,353	81.6	2,146	74.4	-	2,146	207	8.8	530
25 to 29 years	1,428	1,144	80.1	1,032	72.2	-	1,032	112	9.8	284
30 to 34 years	1,454	1,209	83.1	1,114	76.6	-	1,114	95	7.8	245
35 to 44 years	3,035	2,437	80.3	2,302	75.8	6	2,296	135	5.5	599
35 to 39 years	1,556	1,258	80.8	1,178	75.7	1	1,177	80	6.4	298
40 to 44 years	1,480	1,179	79.7	1,124	76.0	5	1,119	55	4.6	301
45 to 54 years	2,131	1,609	75.5	1,557	73.1	9	1,549	51	3.2	522
45 to 49 years	1,229	963	78.4	934	76.0	4	930	29	3.0	266
50 to 54 years	901	645	71.6	623	69.2	5	619	22	3.4	256
55 to 64 years	1,317	620	47.1	602	45.7	2	600	17	2.8	697
55 to 59 years	722	399	55.2	381	52.8	2	379	17	4.4	323
60 to 64 years	595	221	37.1	221	37.1	-	221	-	-	374
65 years and over	1,630	158	9.7	144	8.8	-	144	14	8.9	1,473
65 to 69 years	513	86	16.8	77	15.1	-	77	9	10.1	427
70 to 74 years	394	35	8.8	29	7.4	-	29	5	(1)	360
75 years and over	722	37	5.1	37	5.1	-	37	-	(1)	686

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

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

the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-15. 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	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
TOTAL								
Civilian noninstitutional population	204,731	207,236	90,580	91,302	98,583	99,923	15,569	16,011
Civilian labor force	136,379	138,240	69,480	69,848	59,345	60,604	7,554	7,787
Percent of population	66.6	66.7	76.7	76.5	60.2	60.7	48.5	48.6
Employed	130,735	132,552	67,027	67,463	57,131	58,354	6,577	6,735
Agriculture	3,315	3,320	2,406	2,339	705	777	204	204
Nonagricultural industries	127,421	129,232	64,621	65,124	56,426	57,577	6,373	6,531
Unemployed	5,643	5,688	2,453	2,385	2,213	2,250	977	1,052
Unemployment rate	4.1	4.1	3.5	3.4	3.7	3.7	12.9	13.5
Not in labor force	68,352	68,996	21,099	21,454	39,238	39,318	8,015	8,224
White								
Civilian noninstitutional population	171,141	172,730	76,816	77,265	81,954	82,798	12,371	12,667
Civilian labor force	114,380	115,633	59,185	59,548	48,801	49,486	6,394	6,599
Percent of population	66.8	66.9	77.0	77.1	59.5	59.8	51.7	52.1
Employed	110,343	111,439	57,390	57,758	47,300	47,862	5,653	5,819
Agriculture	3,122	3,095	2,244	2,165	677	739	201	191
Nonagricultural industries	107,221	108,344	55,146	55,594	46,623	47,122	5,452	5,628
Unemployed	4,037	4,194	1,795	1,790	1,501	1,624	741	780
Unemployment rate	3.5	3.6	3.0	3.0	3.1	3.3	11.6	11.8
Not in labor force	56,761	57,097	17,631	17,716	33,153	33,312	5,977	6,069
Black								
Civilian noninstitutional population	24,289	24,765	9,691	9,885	12,164	12,405	2,435	2,475
Civilian labor force	15,776	16,159	7,050	7,092	7,814	8,222	912	845
Percent of population	64.9	65.2	72.7	71.7	64.2	66.3	37.4	34.1
Employed	14,429	14,979	6,527	6,661	7,196	7,681	705	637
Agriculture	120	133	107	114	11	19	3	-
Nonagricultural industries	14,308	14,846	6,420	6,547	7,186	7,662	702	637
Unemployed	1,347	1,180	523	431	618	541	207	208
Unemployment rate	8.5	7.3	7.4	6.1	7.9	6.6	22.7	24.6
Not in labor force	8,514	8,606	2,641	2,793	4,350	4,184	1,523	1,630

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

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

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	April 1999									
	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	
TOTAL ENROLLED										
Total, 16 to 24 years	19,009	9,173	48.3	8,307	1,553	6,754	866	185	681	9.4
16 to 19 years	12,886	5,526	42.9	4,829	428	4,401	697	100	596	12.6
20 to 24 years	6,123	3,648	59.6	3,478	1,124	2,354	170	85	85	4.7
High school	10,454	4,261	40.8	3,624	252	3,372	636	99	537	14.9
College	8,554	4,913	57.4	4,683	1,301	3,382	230	86	144	4.7
Full-time students	7,322	3,840	52.4	3,645	652	2,992	196	61	134	5.1
Part-time students	1,232	1,072	87.0	1,038	648	390	34	24	10	3.2
Men, 16 to 24 years	9,462	4,349	46.0	3,899	798	3,101	449	92	357	10.3
16 to 19 years	6,536	2,698	41.3	2,339	235	2,105	359	42	317	13.3
20 to 24 years	2,926	1,650	56.4	1,560	563	997	91	50	40	5.5
High school	5,492	2,195	40.0	1,849	157	1,692	346	50	296	15.8
College	3,970	2,153	54.2	2,050	641	1,409	104	43	61	4.8
Full-time students	3,389	1,640	48.4	1,552	302	1,250	88	35	53	5.4
Part-time students	581	513	88.3	498	339	159	16	8	7	3.0
Women, 16 to 24 years	9,546	4,825	50.5	4,408	755	3,653	417	93	324	8.6
16 to 19 years	6,349	2,827	44.5	2,490	193	2,296	338	58	279	11.9
20 to 24 years	3,197	1,998	62.5	1,918	562	1,357	79	34	45	4.0
High school	4,962	2,066	41.6	1,775	95	1,680	290	50	241	14.1
College	4,584	2,759	60.2	2,633	660	1,973	126	43	84	4.6
Full-time students	3,934	2,200	55.9	2,093	351	1,742	108	27	81	4.9
Part-time students	651	559	85.9	540	309	231	19	16	3	3.3
White										
Total, 16 to 24 years	14,946	7,717	51.6	7,102	1,238	5,865	615	95	520	8.0
16 to 19 years	10,197	4,735	46.4	4,215	350	3,865	520	53	467	11.0
20 to 24 years	4,749	2,982	62.8	2,887	888	1,999	95	42	53	3.2
Men	7,483	3,710	49.6	3,395	684	2,711	315	49	265	8.5
Women	7,462	4,007	53.7	3,707	554	3,153	300	45	255	7.5
High school	8,148	3,627	44.5	3,157	210	2,947	470	45	425	13.0
College	6,798	4,090	60.2	3,945	1,028	2,918	145	50	95	3.5
Full-time students	5,841	3,262	55.9	3,134	523	2,611	128	38	90	3.9
Part-time students	957	828	86.5	811	504	307	17	12	5	2.0
Black										
Total, 16 to 24 years	2,815	943	33.5	760	221	538	183	70	114	19.5
16 to 19 years	1,940	535	27.6	407	68	338	129	37	92	24.1
20 to 24 years	875	408	46.6	353	153	200	55	33	22	13.4
Men	1,372	412	30.0	314	75	239	99	37	62	23.9
Women	1,442	531	36.8	446	147	299	85	33	52	16.0
High school	1,711	430	25.1	306	33	273	124	46	78	28.8
College	1,103	513	46.5	454	188	266	60	24	36	11.6
Full-time students	931	358	38.5	312	91	221	46	15	31	12.8
Part-time students	173	155	89.9	142	97	44	14	9	5	8.9
Hispanic origin										
Total, 16 to 24 years	2,015	789	39.2	707	176	530	83	26	57	10.5
16 to 19 years	1,529	482	31.5	420	73	347	62	9	53	12.9
20 to 24 years	486	307	63.2	287	104	183	20	17	3	6.6
Men	1,020	387	37.9	346	100	246	41	8	32	10.5
Women	995	403	40.5	361	77	284	42	18	24	10.4
High school	1,344	371	27.6	311	58	253	60	13	47	16.2
College	671	419	62.4	396	118	278	23	13	10	5.4
Full-time students	488	247	50.7	228	30	199	19	9	10	7.6
Part-time students	183	172	93.5	168	89	79	4	4	-	2.2

See footnotes at end of table.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	April 1999									
	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	
TOTAL NOT ENROLLED										
Total, 16 to 24 years	14,944	12,237	81.9	11,093	9,235	1,858	1,144	1,030	115	9.4
16 to 19 years	3,125	2,262	72.4	1,906	1,335	571	355	306	50	15.7
20 to 24 years	11,819	9,975	84.4	9,187	7,900	1,287	789	724	65	7.9
Less than a high school diploma	3,819	2,533	66.3	2,098	1,604	494	434	399	36	17.1
High school graduates, no college	6,501	5,501	84.6	5,021	4,158	863	480	426	54	8.7
Less than a bachelor's degree	3,325	2,968	89.3	2,775	2,371	404	193	167	25	6.5
College graduates	1,299	1,236	95.1	1,198	1,102	96	38	38	-	3.0
Men, 16 to 24 years	7,550	6,609	87.5	5,961	5,228	733	648	605	44	9.8
16 to 19 years	1,626	1,290	79.3	1,075	822	253	215	183	32	16.7
20 to 24 years	5,924	5,319	89.8	4,886	4,405	481	434	422	12	8.2
Less than a high school diploma	2,093	1,614	77.1	1,339	1,104	235	275	257	18	17.1
High school graduates, no college	3,359	3,053	90.9	2,792	2,464	328	260	237	23	8.5
Less than a bachelor's degree	1,593	1,462	91.8	1,375	1,229	146	86	84	3	5.9
College graduates	505	481	95.3	454	430	24	26	26	-	5.5
Women, 16 to 24 years	7,394	5,628	76.1	5,132	4,007	1,125	496	425	71	8.8
16 to 19 years	1,499	972	64.8	831	513	318	141	123	18	14.5
20 to 24 years	5,895	4,656	79.0	4,301	3,494	806	355	302	53	7.6
Less than a high school diploma	1,726	918	53.2	759	500	260	159	141	18	17.3
High school graduates, no college	3,142	2,448	77.9	2,229	1,694	535	219	189	31	9.0
Less than a bachelor's degree	1,732	1,507	87.0	1,400	1,142	258	106	84	22	7.1
College graduates	795	755	95.0	744	672	72	11	11	-	1.5
White										
Total, 16 to 24 years	12,059	10,060	83.4	9,226	7,785	1,441	834	753	82	8.3
16 to 19 years	2,470	1,864	75.4	1,604	1,165	439	260	230	30	13.9
20 to 24 years	9,589	8,197	85.5	7,623	6,620	1,002	574	522	52	7.0
Men	6,214	5,626	90.5	5,156	4,578	578	470	442	28	8.4
Women	5,845	4,435	75.9	4,071	3,207	863	364	311	53	8.2
Less than a high school diploma	2,967	2,055	69.3	1,733	1,369	364	322	299	23	15.7
High school graduates, no college	5,283	4,514	85.4	4,175	3,510	665	339	300	39	7.5
Less than a bachelor's degree	2,679	2,409	89.9	2,270	1,950	319	139	120	20	5.8
College graduates	1,130	1,082	95.8	1,049	956	93	34	34	-	3.1
Black										
Total, 16 to 24 years	2,260	1,691	74.8	1,419	1,081	338	272	243	29	16.1
16 to 19 years	535	309	57.9	230	116	114	79	63	16	25.7
20 to 24 years	1,726	1,381	80.1	1,189	965	224	193	180	13	14.0
Men	1,034	731	70.7	578	456	121	153	142	12	21.0
Women	1,227	960	78.3	841	624	217	119	102	17	12.4
Less than a high school diploma	712	394	55.3	290	176	114	104	91	13	26.4
High school graduates, no college	988	801	81.0	685	521	165	115	105	10	14.4
Less than a bachelor's degree	501	440	87.8	387	328	59	53	48	5	12.1
College graduates	59	57	(¹)	57	56	-	-	-	-	(¹)
Hispanic origin										
Total, 16 to 24 years	2,911	2,206	75.8	1,952	1,624	328	255	231	24	11.5
16 to 19 years	764	504	65.9	405	300	105	98	84	15	19.6
20 to 24 years	2,148	1,703	79.3	1,547	1,324	223	156	147	9	9.2
Men	1,522	1,356	89.0	1,216	1,057	159	140	127	13	10.3
Women	1,389	851	61.3	736	567	169	115	103	11	13.5
Less than a high school diploma	1,395	931	66.7	799	648	151	132	117	15	14.2
High school graduates, no college	1,031	838	81.3	754	623	131	84	77	8	10.0
Less than a bachelor's degree	433	391	90.3	354	322	32	37	35	1	9.3
College graduates	52	47	(¹)	45	31	14	2	2	-	(¹)

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

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

will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Beginning in January 1999, data reflect revised population controls used in the household survey.

A-17. Employment status of the civilian noninstitutional population 25 years and over by educational attainment, sex, race, and Hispanic origin

(Numbers in thousands)

Educational attainment	Total		Men		Women		White		Black		Hispanic origin	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
TOTAL												
Civilian noninstitutional population ...	171,623	173,283	81,843	82,452	89,780	90,831	144,670	145,726	19,321	19,690	16,057	16,557
Civilian labor force	115,395	116,829	62,387	62,879	53,007	53,951	96,876	97,856	13,124	13,525	11,197	11,438
Percent of population	67.2	67.4	76.2	76.3	59.0	59.4	67.0	67.2	67.9	68.7	69.7	69.1
Employed	111,676	113,152	60,444	61,017	51,232	52,135	94,211	95,110	12,264	12,800	10,629	10,815
Employment-population ratio	65.1	65.3	73.9	74.0	57.1	57.4	65.1	65.3	63.5	65.0	66.2	65.3
Unemployed	3,719	3,677	1,943	1,861	1,775	1,816	2,665	2,745	860	724	567	623
Unemployment rate	3.2	3.1	3.1	3.0	3.3	3.4	2.8	2.8	6.6	5.4	5.1	5.4
Less than a high school diploma												
Civilian noninstitutional population ...	29,638	27,991	14,162	13,205	15,477	14,786	23,709	22,310	4,634	4,322	7,096	7,021
Civilian labor force	12,857	11,971	7,960	7,319	4,898	4,653	10,265	9,593	1,970	1,730	4,204	4,085
Percent of population	43.4	42.8	56.2	55.4	31.6	31.5	43.3	43.0	42.5	40.0	59.2	58.2
Employed	11,938	11,170	7,473	6,894	4,465	4,275	9,649	9,031	1,718	1,542	3,912	3,800
Employment-population ratio	40.3	39.9	52.8	52.2	28.8	28.9	40.7	40.5	37.1	35.7	55.1	54.1
Unemployed	920	802	487	424	433	378	617	562	252	188	293	285
Unemployment rate	7.2	6.7	6.1	5.8	8.8	8.1	6.0	5.9	12.8	10.9	7.0	7.0
High school graduates, no college												
Civilian noninstitutional population ...	57,484	57,945	26,016	26,263	31,468	31,682	48,970	49,043	6,626	7,014	4,241	4,683
Civilian labor force	37,374	37,551	19,801	19,843	17,573	17,708	31,386	31,385	4,673	4,931	3,102	3,404
Percent of population	65.0	64.8	76.1	75.6	55.8	55.9	64.1	64.0	70.5	70.3	73.1	72.7
Employed	35,921	36,253	19,011	19,207	16,910	17,046	30,340	30,445	4,325	4,633	2,929	3,216
Employment-population ratio	62.5	62.6	73.1	73.1	53.7	53.8	62.0	62.1	65.3	66.1	69.1	68.7
Unemployed	1,453	1,297	790	635	662	662	1,046	940	348	298	173	188
Unemployment rate	3.9	3.5	4.0	3.2	3.8	3.7	3.3	3.0	7.4	6.0	5.6	5.5
Less than a bachelor's degree¹												
Civilian noninstitutional population ...	42,303	43,059	19,674	19,955	22,629	23,104	35,612	36,139	5,078	5,182	2,904	3,020
Civilian labor force	31,177	31,889	15,891	16,164	15,286	15,725	25,959	26,421	3,982	4,138	2,351	2,422
Percent of population	73.7	74.1	80.8	81.0	67.6	68.1	72.9	73.1	78.4	79.9	81.0	80.2
Employed	30,331	30,953	15,466	15,723	14,865	15,230	25,374	25,696	3,768	3,982	2,277	2,319
Employment-population ratio	71.7	71.9	78.6	78.8	65.7	65.9	71.3	71.1	74.2	76.8	78.4	76.8
Unemployed	846	936	425	442	421	495	585	724	214	156	75	103
Unemployment rate	2.7	2.9	2.7	2.7	2.8	3.1	2.3	2.7	5.4	3.8	3.2	4.3
Some college, no degree												
Civilian noninstitutional population ...	29,720	30,197	14,124	14,179	15,596	16,019	24,837	25,142	3,791	3,883	2,140	2,233
Civilian labor force	21,206	21,896	11,060	11,259	10,146	10,637	17,447	17,927	2,935	3,088	1,695	1,769
Percent of population	71.4	72.5	78.3	79.4	65.1	66.4	70.2	71.3	77.4	79.5	79.2	79.2
Employed	20,573	21,196	10,731	10,926	9,842	10,269	17,016	17,394	2,761	2,963	1,641	1,694
Employment-population ratio	69.2	70.2	76.0	77.1	63.1	64.1	68.5	69.2	72.8	76.3	76.7	75.9
Unemployed	633	700	329	333	304	367	431	532	174	125	54	74
Unemployment rate	3.0	3.2	3.0	3.0	3.0	3.5	2.5	3.0	5.9	4.0	3.2	4.2
Associate degree												
Civilian noninstitutional population ...	12,583	12,861	5,550	5,776	7,033	7,085	10,775	10,997	1,287	1,299	764	788
Civilian labor force	9,972	9,993	4,831	4,905	5,141	5,088	8,512	8,494	1,047	1,051	656	654
Percent of population	79.2	77.7	87.0	84.9	73.1	71.8	79.0	77.2	81.3	80.9	85.9	83.0
Employed	9,759	9,757	4,736	4,797	5,023	4,960	8,358	8,302	1,007	1,019	635	625
Employment-population ratio	77.6	75.9	85.3	83.0	71.4	70.0	77.6	75.5	78.3	78.4	83.2	79.3
Unemployed	213	236	95	108	117	128	154	192	40	32	20	29
Unemployment rate	2.1	2.4	2.0	2.2	2.3	2.5	1.8	2.3	3.8	3.0	3.1	4.4
College graduates												
Civilian noninstitutional population ...	42,197	44,289	21,991	23,029	20,206	21,259	36,379	38,233	2,984	3,171	1,816	1,832
Civilian labor force	33,986	35,418	18,735	19,553	15,251	15,865	29,266	30,456	2,499	2,726	1,539	1,527
Percent of population	80.5	80.0	85.2	84.9	75.5	74.6	80.4	79.7	83.7	85.9	84.7	83.4
Employed	33,485	34,776	18,494	19,193	14,992	15,583	28,849	29,938	2,452	2,643	1,512	1,480
Employment-population ratio	79.4	78.5	84.1	83.3	74.2	73.3	79.3	78.3	82.2	83.4	83.2	80.8
Unemployed	501	642	242	360	259	282	417	518	46	82	27	47
Unemployment rate	1.5	1.8	1.3	1.8	1.7	1.8	1.4	1.7	1.9	3.0	1.8	3.1

¹ Includes the categories, some college, no degree; and associate degree.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are

included in both the white and black population groups. Beginning in January 1999, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Employed and unemployed full- and part-time workers by age, sex, and race

(In thousands)

Age, sex, and race	April 1999									
	Employed ¹							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 ²		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				
TOTAL										
Total, 16 years and over	108,559	97,935	7,978	2,646	23,993	2,269	20,533	1,191	4,505	1,183
16 to 19 years	1,763	1,497	252	15	4,972	220	4,589	164	406	646
16 to 17 years	158	123	29	6	2,413	48	2,279	86	122	428
18 to 19 years	1,605	1,374	223	9	2,559	172	2,310	77	285	218
20 years and over	106,796	96,438	7,727	2,631	19,021	2,049	15,945	1,027	4,099	537
20 to 24 years	9,024	8,070	791	163	3,641	424	3,066	151	808	150
25 years and over	97,772	88,368	6,936	2,467	15,380	1,625	12,879	876	3,290	387
25 to 54 years	84,896	77,066	5,791	2,040	11,039	1,429	9,072	538	2,919	275
55 years and over	12,875	11,302	1,145	428	4,342	197	3,807	338	371	112
Men, 16 years and over	63,071	57,747	4,005	1,319	7,806	938	6,508	360	2,432	527
16 to 19 years	1,057	898	151	8	2,357	94	2,188	75	225	349
16 to 17 years	62,014	56,849	3,854	1,311	5,449	844	4,320	285	2,207	179
20 to 24 years	4,968	4,536	362	70	1,477	215	1,204	58	472	52
25 years and over	57,046	52,313	3,492	1,241	3,972	629	3,116	227	1,735	126
25 to 54 years	49,303	45,432	2,855	1,017	2,144	543	1,496	105	1,529	75
55 years and over	7,742	6,881	637	224	1,827	86	1,620	122	206	52
Women, 16 years and over	45,488	40,188	3,973	1,327	16,187	1,330	14,025	831	2,073	656
16 to 19 years	706	599	100	7	2,615	125	2,400	89	181	297
20 years and over	44,782	39,589	3,873	1,320	13,572	1,205	11,625	742	1,892	359
20 to 24 years	4,056	3,534	429	93	2,163	209	1,862	93	336	98
25 years and over	40,726	36,055	3,444	1,227	11,409	996	9,763	650	1,555	261
25 to 54 years	35,593	31,634	2,936	1,023	8,894	885	7,576	433	1,390	200
55 years and over	5,133	4,421	508	204	2,514	111	2,187	216	165	60
White										
Men, 16 years and over	54,097	49,465	3,531	1,100	6,634	717	5,600	318	1,820	384
16 to 19 years	931	793	131	7	2,042	69	1,899	73	159	254
20 years and over	53,166	48,673	3,400	1,094	4,592	647	3,700	245	1,661	130
20 to 24 years	4,331	3,967	314	50	1,247	162	1,041	44	332	39
25 years and over	48,835	44,706	3,086	1,043	3,345	485	2,659	201	1,329	90
25 to 54 years	41,936	38,595	2,510	832	1,725	416	1,217	92	1,140	45
55 years and over	6,899	6,111	577	212	1,621	70	1,443	108	188	45
Women, 16 years and over	36,702	32,408	3,186	1,109	14,005	1,000	12,287	718	1,485	506
16 to 19 years	584	505	76	4	2,262	90	2,098	74	124	242
20 years and over	36,118	31,903	3,111	1,105	11,744	910	10,189	644	1,360	264
20 to 24 years	3,177	2,776	338	63	1,755	173	1,515	67	232	66
25 years and over	32,941	29,127	2,773	1,042	9,989	737	8,675	577	1,128	198
25 to 54 years	28,566	25,374	2,335	857	7,744	641	6,726	377	993	152
55 years and over	4,375	3,753	438	185	2,244	96	1,949	199	136	46
Black										
Men, 16 years and over	6,136	5,636	351	149	805	161	618	26	450	102
16 to 19 years	78	61	17	-	202	20	182	-	54	67
20 years and over	6,058	5,575	334	149	603	141	436	25	396	35
20 to 24 years	453	408	28	17	159	39	109	11	125	6
25 years and over	5,605	5,167	307	132	444	102	328	14	272	29
25 to 54 years	5,103	4,712	263	128	295	97	193	5	263	28
55 years and over	502	455	44	3	150	5	135	10	9	1
Women, 16 years and over	6,499	5,727	611	161	1,539	266	1,192	81	503	125
16 to 19 years	107	82	21	3	250	35	201	14	46	41
20 years and over	6,392	5,645	590	158	1,289	231	991	67	456	84
20 to 24 years	664	583	54	28	266	30	218	18	88	28
25 years and over	5,728	5,062	536	130	1,023	200	773	49	368	56
25 to 54 years	5,193	4,598	479	116	813	196	579	38	351	41
55 years and over	536	465	57	14	210	4	195	11	17	14

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

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

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

A-19. 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	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
Total	130,735	132,552	70,348	70,877	67,027	67,463	60,387	61,675	57,131	58,354
Managerial and professional specialty	38,631	40,526	19,542	20,446	19,455	20,327	19,089	20,080	18,938	19,918
Executive, administrative, and managerial	18,741	19,826	10,320	10,904	10,272	10,862	8,421	8,921	8,353	8,891
Officials and administrators, public administration	646	764	373	413	373	413	273	351	270	351
Other executive, administrative, and managerial	13,439	14,245	7,984	8,435	7,943	8,395	5,455	5,811	5,406	5,791
Management-related occupations	4,656	4,816	1,963	2,057	1,956	2,054	2,693	2,760	2,678	2,749
Professional specialty	19,890	20,700	9,222	9,542	9,184	9,464	10,668	11,158	10,584	11,027
Engineers	2,001	2,036	1,767	1,828	1,767	1,825	234	208	234	208
Mathematical and computer scientists	1,624	1,833	1,142	1,282	1,142	1,280	482	551	482	551
Natural scientists	494	561	336	390	336	390	157	171	157	169
Health diagnosing occupations	1,021	1,056	767	808	767	808	254	248	254	248
Health assessment and treating occupations	2,991	2,935	491	458	491	458	2,501	2,477	2,501	2,474
Teachers, college and university	960	1,039	585	597	578	589	375	442	375	425
Teachers, except college and university	5,135	5,486	1,257	1,311	1,245	1,292	3,879	4,175	3,842	4,105
Lawyers and judges	925	912	665	674	665	672	260	238	256	238
Other professional specialty occupations	4,740	4,842	2,213	2,195	2,194	2,151	2,527	2,647	2,483	2,609
Technical, sales, and administrative support	38,431	38,711	13,686	14,111	12,905	13,239	24,745	24,600	22,971	22,966
Technicians and related support	4,300	4,275	2,022	2,130	1,974	2,086	2,278	2,145	2,256	2,100
Health technologists and technicians	1,749	1,634	326	327	311	320	1,423	1,307	1,422	1,281
Engineering and science technicians	1,307	1,353	971	1,022	945	991	335	331	325	316
Technicians, except health, engineering, and science	1,245	1,287	725	781	718	775	520	507	508	504
Sales occupations	15,664	15,995	7,780	8,197	7,244	7,627	7,884	7,797	6,717	6,773
Supervisors and proprietors	4,760	4,909	2,871	2,960	2,862	2,952	1,889	1,949	1,855	1,933
Sales representatives, finance and business services	2,577	2,637	1,396	1,490	1,370	1,468	1,181	1,147	1,135	1,131
Sales representatives, commodities, except retail	1,503	1,618	1,128	1,182	1,128	1,172	375	436	369	415
Sales workers, retail and personal services	6,719	6,701	2,359	2,533	1,859	2,005	4,360	4,168	3,278	3,201
Sales-related occupations	106	130	26	32	24	29	80	98	79	93
Administrative support, including clerical	18,466	18,441	3,884	3,783	3,687	3,526	14,583	14,658	13,998	14,092
Supervisors	675	705	266	305	261	304	409	400	405	400
Computer equipment operators	361	346	164	133	161	129	197	213	197	211
Secretaries, stenographers, and typists	3,660	3,624	100	58	97	58	3,560	3,567	3,446	3,474
Financial records processing	2,181	2,077	137	187	129	184	2,044	1,891	2,015	1,857
Mail and message distributing	953	947	569	541	562	524	384	406	376	404
Other administrative support, including clerical	10,636	10,741	2,647	2,561	2,477	2,327	7,989	8,181	7,560	7,746
Service occupations	17,460	17,779	7,101	6,939	6,134	5,955	10,359	10,840	9,307	9,580
Private household	818	813	50	43	43	31	767	769	700	674
Protective service	2,332	2,334	1,930	1,921	1,912	1,886	402	413	372	393
Service, except private household and protective	14,310	14,631	5,120	4,974	4,179	4,037	9,190	9,657	8,235	8,513
Food service	5,951	6,237	2,571	2,607	1,821	1,833	3,380	3,631	2,704	2,846
Health service	2,373	2,528	287	278	264	271	2,085	2,249	2,005	2,140
Cleaning and building service	3,132	2,839	1,768	1,545	1,657	1,464	1,363	1,294	1,319	1,225
Personal service	2,854	3,027	494	544	436	470	2,361	2,483	2,207	2,303
Precision production, craft, and repair	14,556	14,533	13,425	13,179	13,115	12,918	1,131	1,354	1,113	1,318
Mechanics and repairers	4,866	4,944	4,692	4,681	4,566	4,602	174	263	170	251
Construction trades	5,599	5,662	5,526	5,491	5,383	5,346	74	171	68	164
Other precision production, craft, and repair	4,090	3,927	3,207	3,008	3,166	2,970	883	920	875	903
Operators, fabricators, and laborers	18,253	17,550	13,781	13,429	12,786	12,447	4,472	4,121	4,250	3,925
Machine operators, assemblers, and inspectors	7,764	7,262	4,787	4,652	4,633	4,462	2,976	2,610	2,881	2,534
Transportation and material moving occupations	5,447	5,233	4,869	4,713	4,760	4,586	578	521	556	506
Motor vehicle operators	4,082	3,951	3,569	3,470	3,482	3,377	513	481	492	466
Other transportation and material moving occupations	1,366	1,282	1,300	1,242	1,278	1,209	65	40	64	40
Handlers, equipment cleaners, helpers, and laborers	5,042	5,055	4,124	4,064	3,393	3,399	918	991	814	885
Construction laborers	786	844	745	811	699	763	42	33	41	33
Other handlers, equipment cleaners, helpers, and laborers	4,256	4,210	3,380	3,253	2,693	2,636	876	958	773	851
Farming, forestry, and fishing	3,404	3,454	2,813	2,774	2,633	2,577	591	680	553	647
Farm operators and managers	1,163	1,231	901	948	895	934	262	283	259	278
Other farming, forestry, and fishing occupations	2,241	2,223	1,912	1,826	1,738	1,643	329	397	294	369

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
TOTAL						
Total, 16 years and over (thousands)	130,735	132,552	70,348	70,877	60,387	61,675
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	29.5	30.6	27.8	28.8	31.6	32.6
Executive, administrative, and managerial	14.3	15.0	14.7	15.4	13.9	14.5
Professional specialty	15.2	15.6	13.1	13.5	17.7	18.1
Technical, sales, and administrative support	29.4	29.2	19.5	19.9	41.0	39.9
Technicians and related support	3.3	3.2	2.9	3.0	3.8	3.5
Sales occupations	12.0	12.1	11.1	11.6	13.1	12.6
Administrative support, including clerical	14.1	13.9	5.5	5.3	24.1	23.8
Service occupations	13.4	13.4	10.1	9.8	17.2	17.6
Private household .....	.6	.6	.1	.1	1.3	1.2
Protective service	1.8	1.8	2.7	2.7	.7	.7
Service, except private household and protective	10.9	11.0	7.3	7.0	15.2	15.7
Precision production, craft, and repair	11.1	11.0	19.1	18.6	1.9	2.2
Operators, fabricators, and laborers	14.0	13.2	19.6	18.9	7.4	6.7
Machine operators, assemblers, and inspectors	5.9	5.5	6.8	6.6	4.9	4.2
Transportation and material moving occupations	4.2	3.9	6.9	6.6	1.0	.8
Handlers, equipment cleaners, helpers, and laborers	3.9	3.8	5.9	5.7	1.5	1.6
Farming, forestry, and fishing	2.6	2.6	4.0	3.9	1.0	1.1
White						
Total, 16 years and over (thousands)	110,343	111,439	60,299	60,731	50,044	50,708
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	30.6	31.6	28.8	29.9	32.9	33.7
Executive, administrative, and managerial	15.2	15.7	15.5	16.3	14.7	15.0
Professional specialty	15.5	15.9	13.3	13.6	18.2	18.6
Technical, sales, and administrative support	29.4	29.4	19.5	19.8	41.3	40.8
Technicians and related support	3.3	3.2	2.8	2.9	3.8	3.5
Sales occupations	12.3	12.5	11.5	11.9	13.3	13.2
Administrative support, including clerical	13.8	13.7	5.2	5.0	24.2	24.1
Service occupations	12.4	12.1	9.3	8.9	16.1	15.9
Private household .....	.6	.6	.1	.1	1.3	1.2
Protective service	1.6	1.6	2.6	2.5	.5	.5
Service, except private household and protective	10.1	9.9	6.6	6.3	14.3	14.2
Precision production, craft, and repair	11.6	11.5	19.8	19.3	1.8	2.1
Operators, fabricators, and laborers	13.1	12.6	18.3	17.9	6.8	6.2
Machine operators, assemblers, and inspectors	5.5	5.1	6.4	6.2	4.4	3.9
Transportation and material moving occupations	4.0	3.8	6.5	6.3	1.0	.8
Handlers, equipment cleaners, helpers, and laborers	3.7	3.6	5.5	5.4	1.5	1.5
Farming, forestry, and fishing	2.9	2.8	4.3	4.2	1.1	1.3
Black						
Total, 16 years and over (thousands)	14,429	14,979	6,844	6,941	7,585	8,038
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	20.5	21.6	17.0	17.5	23.7	25.2
Executive, administrative, and managerial	8.8	9.8	8.2	8.3	9.4	11.0
Professional specialty	11.7	11.9	8.8	9.1	14.3	14.2
Technical, sales, and administrative support	29.2	27.9	17.6	19.0	39.8	35.6
Technicians and related support	2.9	3.1	2.4	3.3	3.4	2.9
Sales occupations	9.4	9.0	7.5	8.3	11.2	9.5
Administrative support, including clerical	16.9	15.9	7.7	7.5	25.2	23.2
Service occupations	20.2	22.6	15.6	16.7	24.3	27.7
Private household .....	.7	1.0	-	.1	1.2	1.8
Protective service	3.0	3.0	4.1	4.7	2.0	1.6
Service, except private household and protective	16.6	18.6	11.6	11.9	21.1	24.4
Precision production, craft, and repair	8.3	8.3	15.5	15.4	1.9	2.2
Operators, fabricators, and laborers	20.6	18.3	32.2	29.0	10.2	9.0
Machine operators, assemblers, and inspectors	8.4	7.2	9.4	9.0	7.5	5.6
Transportation and material moving occupations	6.4	5.6	12.4	10.7	1.1	1.1
Handlers, equipment cleaners, helpers, and laborers	5.8	5.5	10.4	9.3	1.6	2.3
Farming, forestry, and fishing	1.0	1.3	2.0	2.5	.2	.2

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

A-21. Employed persons by industry and occupation

(In thousands)

Industry	April 1999												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,320	91	81	59	18	131	-	20	24	10	41	22	2,824
Mining	526	74	44	14	5	33	-	6	218	18	95	17	2
Construction	8,583	1,367	167	83	53	362	-	23	5,043	120	456	895	14
Manufacturing	20,180	3,050	1,910	619	772	1,917	-	234	3,956	5,841	694	1,111	74
Durable goods	12,468	1,873	1,248	445	395	1,142	-	104	2,827	3,351	422	591	71
Nondurable goods	7,712	1,178	662	174	378	775	-	130	1,129	2,490	272	520	4
Transportation and public utilities	9,233	1,330	589	343	264	2,289	-	313	1,293	96	2,191	521	4
Wholesale and retail trade	27,092	2,674	590	226	11,444	2,157	-	5,242	1,427	269	1,111	1,858	95
Wholesale trade	4,992	634	149	53	2,073	753	-	27	259	95	499	395	57
Retail trade	22,100	2,041	441	173	9,371	1,405	-	5,215	1,167	174	612	1,463	38
Finance, insurance, and real estate	8,802	2,706	334	195	2,189	2,816	-	257	194	14	13	26	57
Services	48,909	7,150	16,053	2,518	1,236	7,445	813	9,146	2,208	878	544	560	356
Private households	906	3	2	2	-	12	813	41	8	-	1	11	12
Other service industries	48,003	7,147	16,051	2,517	1,236	7,433	-	9,104	2,200	878	544	549	344
Professional services	32,890	4,346	13,936	2,055	238	5,483	-	5,690	519	166	287	89	81
Public administration	5,908	1,383	932	218	13	1,291	-	1,725	170	17	87	44	27

¹ Includes protective service, not shown separately.

used in the household survey.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	April 1999									
	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	1,925	1,367	28	120,331	101,379	899	100,479	18,952	8,839	62
16 to 19 years	175	20	9	6,499	6,198	117	6,081	301	29	3
16 to 17 years	61	6	4	2,479	2,379	69	2,310	101	18	3
18 to 19 years	113	15	5	4,020	3,820	49	3,771	200	11	1
20 to 24 years	326	24	2	12,043	10,984	106	10,878	1,059	268	3
25 to 34 years	453	221	4	28,625	24,977	152	24,825	3,648	1,512	4
35 to 44 years	449	312	1	33,296	27,852	200	27,652	5,444	2,606	18
45 to 54 years	310	277	-	25,410	19,713	157	19,556	5,697	2,425	11
55 to 64 years	136	279	9	11,521	9,191	107	9,083	2,330	1,375	13
65 years and over	77	235	3	2,937	2,464	60	2,403	474	624	10
Men, 16 years and over	1,460	1,032	13	63,001	54,896	76	54,820	8,106	5,360	12
16 to 19 years	138	19	8	3,233	3,129	18	3,110	105	13	3
16 to 17 years	45	5	4	1,209	1,170	5	1,164	39	10	3
18 to 19 years	93	15	4	2,025	1,959	13	1,946	66	3	1
20 to 24 years	246	17	-	6,026	5,572	8	5,564	454	154	3
25 to 34 years	375	177	-	15,323	13,708	4	13,704	1,615	871	-
35 to 44 years	329	224	-	17,718	15,458	10	15,448	2,261	1,535	-
45 to 54 years	219	194	-	12,999	10,639	17	10,622	2,360	1,483	-
55 to 64 years	89	210	3	6,117	5,024	13	5,011	1,094	885	-
65 years and over	64	189	1	1,585	1,367	6	1,361	218	419	6
Women, 16 years and over	465	335	15	57,329	46,483	824	45,659	10,847	3,480	50
16 to 19 years	37	1	1	3,266	3,070	99	2,971	197	16	-
16 to 17 years	17	1	-	1,271	1,209	63	1,146	62	8	-
18 to 19 years	20	-	1	1,995	1,861	36	1,825	135	8	-
20 to 24 years	80	6	2	6,018	5,412	98	5,315	605	114	-
25 to 34 years	79	43	4	13,302	11,269	148	11,121	2,033	641	4
35 to 44 years	121	88	1	15,577	12,394	190	12,205	3,183	1,072	18
45 to 54 years	91	82	-	12,411	9,074	140	8,934	3,337	942	11
55 to 64 years	46	69	5	5,403	4,167	95	4,072	1,236	490	13
65 years and over	12	46	2	1,352	1,096	55	1,042	255	206	4

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

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

Hours of work	April 1999					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	128,716	3,232	125,484	100.0	100.0	100.0
1 to 34 hours	29,868	958	28,910	23.2	29.6	23.0
1 to 4 hours	1,224	61	1,163	1.0	1.9	.9
5 to 14 hours	5,242	223	5,019	4.1	6.9	4.0
15 to 29 hours	15,007	486	14,522	11.7	15.0	11.6
30 to 34 hours	8,394	188	8,206	6.5	5.8	6.5
35 hours and over	98,847	2,274	96,574	76.8	70.4	77.0
35 to 39 hours	8,727	196	8,531	6.8	6.1	6.8
40 hours	49,150	832	48,318	38.2	25.7	38.5
41 hours and over	40,970	1,246	39,725	31.8	38.5	31.7
41 to 48 hours	14,566	219	14,347	11.3	6.8	11.4
49 to 59 hours	15,366	404	14,962	11.9	12.5	11.9
60 hours and over	11,039	623	10,416	8.6	19.3	8.3
Average hours, total at work	39.6	41.2	39.6	-	-	-
Average hours, persons who usually work full time	43.8	47.9	43.7	-	-	-

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

A-24. Persons at work 1 to 34 hours in all and nonagricultural industries by reason for working less than 35 hours and usual full- or part-time status

(Numbers in thousands)

Reason for working less than 35 hours	April 1999					
	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	29,868	7,978	21,890	28,910	7,721	21,189
Economic reasons	3,316	1,214	2,102	3,130	1,122	2,008
Slack work or business conditions	1,926	960	965	1,835	912	923
Could only find part-time work	1,082	-	1,082	1,051	-	1,051
Seasonal work	160	105	55	102	67	34
Job started or ended during week	149	149	-	142	142	-
Noneconomic reasons	26,552	6,764	19,788	25,780	6,599	19,181
Child-care problems	811	68	743	800	68	732
Other family or personal obligations	6,085	851	5,234	5,922	834	5,088
Health or medical limitations	768	-	768	697	-	697
In school or training	7,247	105	7,141	7,092	95	6,997
Retired or Social Security limit on earnings	2,051	-	2,051	1,933	-	1,933
Vacation or personal day	2,704	2,704	-	2,678	2,678	-
Holiday, legal or religious	64	64	-	64	64	-
Weather-related curtailment	349	349	-	299	299	-
All other reasons	6,473	2,622	3,851	6,295	2,561	3,734
Average hours:						
Economic reasons	23.1	23.8	22.7	23.2	24.0	22.8
Other reasons	20.9	25.7	19.2	21.0	25.7	19.3

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. 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	April 1999							
	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	125,484	28,910	3,130	6,599	19,181	96,574	39.6	43.7
Wage and salary workers	117,064	26,361	2,802	6,150	17,409	90,703	39.5	43.4
Mining	499	46	9	34	3	452	48.0	48.3
Construction	6,857	1,109	264	459	386	5,748	40.9	42.6
Manufacturing	19,310	1,992	262	1,044	685	17,319	42.8	43.7
Durable goods	11,972	1,115	103	676	337	10,857	43.3	43.9
Nondurable goods	7,338	876	159	369	349	6,462	42.0	43.3
Transportation and public utilities	8,538	1,260	130	482	647	7,278	42.4	44.3
Wholesale and retail trade	24,747	8,089	881	960	6,248	16,658	37.0	43.6
Finance, insurance, and real estate	7,980	1,206	70	435	701	6,774	40.8	42.9
Service industries	43,387	11,870	1,134	2,292	8,444	31,517	38.2	43.4
Private households	871	517	68	58	391	354	27.6	40.9
All other industries	42,516	11,353	1,066	2,234	8,053	31,163	38.4	43.4
Public administration	5,746	789	52	444	293	4,957	41.3	42.6
Self-employed workers	8,358	2,524	326	446	1,751	5,834	40.5	47.2
Unpaid family workers	62	25	2	3	20	37	(¹)	(¹)

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

used in the household survey.

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

A-26. 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	April 1999							
	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								
Total, 16 years and over	125,484	28,910	3,130	6,599	19,181	96,574	39.6	43.7
16 to 19 years	6,361	4,841	273	158	4,410	1,521	23.1	39.6
16 to 17 years	2,410	2,257	50	16	2,191	153	16.8	37.5
18 to 19 years	3,952	2,584	223	143	2,218	1,368	26.9	39.7
20 years and over	119,123	24,069	2,858	6,441	14,771	95,053	40.5	43.7
20 to 24 years	12,009	4,028	490	617	2,922	7,981	35.5	41.4
25 years and over	107,113	20,041	2,367	5,824	11,850	87,073	41.0	44.0
25 to 54 years	91,379	15,356	2,057	4,908	8,391	76,023	41.6	44.0
55 years and over	15,735	4,685	311	915	3,459	11,050	37.9	43.6
Men, 16 years and over	66,747	10,565	1,437	3,170	5,958	56,182	42.5	45.1
16 to 19 years	3,175	2,287	121	87	2,078	888	24.6	40.3
16 to 17 years	1,172	1,094	25	8	1,061	78	17.5	37.9
18 to 19 years	2,003	1,193	96	80	1,017	810	28.7	40.5
20 years and over	63,572	8,278	1,315	3,083	3,880	55,294	43.4	45.2
20 to 24 years	6,061	1,622	250	258	1,114	4,439	37.7	42.5
25 years and over	57,511	6,656	1,066	2,825	2,765	50,856	44.0	45.5
25 to 54 years	48,837	4,602	919	2,334	1,349	44,235	44.6	45.5
55 years and over	8,675	2,054	147	491	1,416	6,621	40.5	44.9
Women, 16 years and over	58,737	18,345	1,693	3,429	13,223	40,392	36.3	41.7
16 to 19 years	3,187	2,554	151	71	2,332	633	21.6	38.5
16 to 17 years	1,238	1,163	24	8	1,131	75	16.1	(¹)
18 to 19 years	1,948	1,391	127	63	1,201	558	25.0	38.7
20 years and over	55,550	15,792	1,542	3,358	10,892	39,759	37.1	41.7
20 to 24 years	5,948	2,406	240	359	1,807	3,542	33.3	40.2
25 years and over	49,602	13,385	1,302	2,999	9,085	36,217	37.6	41.9
25 to 54 years	42,542	10,754	1,138	2,575	7,042	31,788	38.1	41.9
55 years and over	7,060	2,631	164	424	2,043	4,429	34.8	41.7
Race								
White, 16 years and over	105,179	24,665	2,441	5,535	16,689	80,515	39.7	43.9
Men	57,043	9,079	1,155	2,798	5,127	47,964	42.7	45.3
Women	48,136	15,585	1,286	2,737	11,562	32,551	36.1	41.8
Black, 16 years and over	14,436	3,065	535	812	1,718	11,371	39.0	42.2
Men	6,657	1,057	213	276	568	5,600	41.3	43.9
Women	7,779	2,008	322	536	1,149	5,772	37.1	40.6
Marital status								
Men, 16 years and over:								
Married, spouse present	40,548	4,362	637	1,930	1,795	36,186	44.5	45.8
Widowed, divorced, or separated	8,272	1,077	214	451	412	7,195	43.2	44.7
Single (never married)	17,927	5,125	585	789	3,751	12,802	37.8	43.5
Women, 16 years and over:								
Married, spouse present	31,532	9,558	656	1,810	7,092	21,974	36.5	41.6
Widowed, divorced, or separated	11,617	2,730	405	739	1,585	8,887	38.8	42.2
Single (never married)	15,588	6,058	632	879	4,546	9,531	33.9	41.2

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

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

used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	April 1999							
	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 ¹	125,372	28,901	3,121	6,576	19,204	96,471	39.6	43.7
Managerial and professional specialty	39,425	6,658	451	2,098	4,109	32,766	42.6	45.5
Executive, administrative, and managerial	19,352	2,473	191	975	1,307	16,880	44.4	46.4
Professional specialty	20,072	4,186	260	1,123	2,802	15,887	40.8	44.6
Technical, sales, and administrative support	37,518	10,275	850	1,910	7,516	27,243	37.6	42.6
Technicians and related support	4,136	861	57	234	571	3,275	39.2	42.3
Sales occupations	15,490	4,529	433	601	3,495	10,962	38.7	45.0
Administrative support, including clerical	17,892	4,886	360	1,075	3,451	13,006	36.4	40.7
Service occupations	17,229	6,842	859	758	5,225	10,387	34.4	42.3
Private household	788	465	62	56	347	323	27.5	40.3
Protective service	2,253	340	42	93	205	1,913	42.5	45.3
Service, except private household and protective	14,188	6,037	755	609	4,673	8,151	33.5	41.7
Precision production, craft, and repair	14,161	1,804	358	822	624	12,357	42.0	43.3
Operators, fabricators, and laborers	17,039	3,322	604	988	1,730	13,717	40.3	43.0
Machine operators, assemblers, and inspectors	7,050	964	180	419	365	6,086	41.0	42.3
Transportation and material moving occupations	5,068	893	149	268	476	4,175	42.9	45.7
Handlers, equipment cleaners, helpers, and laborers	4,921	1,464	274	301	889	3,457	36.7	41.3
Men, 16 years and over ¹	66,498	10,486	1,425	3,142	5,920	56,012	42.6	45.2
Managerial and professional specialty	20,049	2,215	231	908	1,077	17,834	45.8	47.6
Executive, administrative, and managerial	10,682	931	109	426	396	9,751	47.1	48.4
Professional specialty	9,367	1,284	121	482	681	8,083	44.3	46.7
Technical, sales, and administrative support	13,788	2,444	199	562	1,683	11,344	41.8	45.2
Technicians and related support	2,064	290	18	107	165	1,775	41.6	43.7
Sales occupations	8,026	1,440	125	270	1,045	6,586	43.1	47.0
Administrative support, including clerical	3,698	714	56	186	472	2,984	39.0	42.3
Service occupations	6,743	2,000	286	231	1,483	4,743	37.4	43.5
Private household	43	35	11	8	16	8	(²)	(²)
Protective service	1,862	227	25	69	133	1,636	43.7	45.7
Service, except private household and protective	4,837	1,737	249	154	1,334	3,100	35.1	42.4
Precision production, craft, and repair	12,850	1,522	312	733	477	11,327	42.4	43.5
Operators, fabricators, and laborers	13,068	2,305	397	708	1,200	10,763	41.2	43.8
Machine operators, assemblers, and inspectors	4,544	474	76	242	156	4,070	42.4	43.3
Transportation and material moving occupations	4,565	698	123	238	337	3,867	43.6	45.8
Handlers, equipment cleaners, helpers, and laborers	3,959	1,133	197	229	707	2,826	37.1	41.7
Women, 16 years and over ¹	58,875	18,415	1,697	3,434	13,284	40,460	36.3	41.7
Managerial and professional specialty	19,375	4,443	221	1,190	3,032	14,932	39.2	43.0
Executive, administrative, and managerial	8,670	1,542	82	549	911	7,129	41.1	43.7
Professional specialty	10,705	2,901	139	641	2,121	7,804	37.7	42.5
Technical, sales, and administrative support	23,730	7,831	651	1,347	5,833	15,899	35.2	40.8
Technicians and related support	2,072	571	39	127	406	1,500	36.9	40.6
Sales occupations	7,464	3,088	307	331	2,449	4,376	33.9	42.0
Administrative support, including clerical	14,194	4,171	305	889	2,978	10,023	35.7	40.3
Service occupations	10,486	4,842	573	527	3,742	5,644	32.5	41.3
Private household	745	429	51	48	330	315	27.9	40.8
Protective service	391	114	16	24	73	277	36.9	43.0
Service, except private household and protective	9,351	4,300	506	455	3,339	5,051	32.7	41.2
Precision production, craft, and repair	1,312	282	45	90	147	1,030	38.8	41.7
Operators, fabricators, and laborers	3,971	1,017	207	280	530	2,954	37.4	40.5
Machine operators, assemblers, and inspectors	2,506	490	104	177	209	2,016	38.5	40.3
Transportation and material moving occupations	503	195	26	31	139	308	36.9	44.1
Handlers, equipment cleaners, helpers, and laborers	962	331	77	72	182	630	34.8	39.4

¹ Excludes farming, forestry, and fishing occupations.

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

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

A-28. 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	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
Total, 16 years and over	2,988	2,959	4.1	4.0	2,655	2,729	4.2	4.2
Married, spouse present	984	1,001	2.2	2.3	866	902	2.6	2.6
Widowed, divorced, or separated	443	417	4.8	4.5	607	627	4.9	4.9
Single (never married)	1,561	1,542	7.7	7.5	1,183	1,199	7.1	6.9
White, 16 years and over	2,215	2,204	3.5	3.5	1,822	1,990	3.5	3.8
Married, spouse present	772	791	2.0	2.0	701	744	2.4	2.5
Widowed, divorced, or separated	342	333	4.4	4.4	425	465	4.3	4.6
Single (never married)	1,102	1,079	6.7	6.5	695	781	5.6	6.1
Black, 16 years and over	616	552	8.3	7.4	731	628	8.8	7.2
Married, spouse present	136	128	4.1	3.7	116	125	4.4	4.4
Widowed, divorced, or separated	85	64	6.8	5.2	160	129	7.5	6.0
Single (never married)	395	360	13.7	12.8	455	373	12.9	10.2
Total, 25 years and over	1,943	1,861	3.1	3.0	1,775	1,816	3.3	3.4
Married, spouse present	927	940	2.2	2.2	769	838	2.4	2.6
Widowed, divorced, or separated	416	399	4.6	4.4	564	590	4.7	4.7
Single (never married)	600	522	5.5	4.7	442	388	5.2	4.4
White, 25 years and over	1,452	1,419	2.7	2.6	1,213	1,326	2.8	3.0
Married, spouse present	722	740	1.9	2.0	621	688	2.2	2.4
Widowed, divorced, or separated	322	317	4.3	4.3	386	435	4.0	4.4
Single (never married)	408	362	4.8	4.2	205	203	3.5	3.4
Black, 25 years and over	379	300	6.1	4.7	481	424	7.0	5.9
Married, spouse present	129	119	4.0	3.6	103	117	4.1	4.3
Widowed, divorced, or separated	78	62	6.4	5.0	157	125	7.4	5.9
Single (never married)	172	119	9.7	6.7	221	182	9.8	7.7

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-29. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
Total, 16 years and over ¹	5,643	5,688	4.1	4.1	4.1	4.0	4.2	4.2
Managerial and professional specialty	620	686	1.6	1.7	1.6	1.5	1.6	1.8
Executive, administrative, and managerial	290	373	1.5	1.8	1.5	1.5	1.6	2.2
Professional specialty	330	313	1.6	1.5	1.6	1.5	1.6	1.5
Technical, sales, and administrative support	1,407	1,496	3.5	3.7	3.1	3.0	3.8	4.2
Technicians and related support	84	100	1.9	2.3	1.8	2.3	2.0	2.3
Sales occupations	682	721	4.2	4.3	3.3	2.8	5.0	5.9
Administrative support, including clerical	641	675	3.4	3.5	3.2	3.8	3.4	3.5
Service occupations	1,131	1,074	6.1	5.7	6.4	5.8	5.9	5.6
Private household	54	63	6.2	7.2	(²)	(²)	6.1	7.6
Protective service	87	72	3.6	3.0	3.2	2.8	5.4	3.6
Service, except private household and protective	990	939	6.5	6.0	7.5	7.0	5.9	5.5
Precision production, craft, and repair	580	575	3.8	3.8	3.8	3.8	4.7	3.7
Mechanics and repairers	149	128	3.0	2.5	2.9	2.6	4.6	1.2
Construction trades	298	281	5.1	4.7	5.0	4.6	10.6	7.2
Other precision production, craft, and repair	133	167	3.1	4.1	2.9	4.2	4.2	3.8
Operators, fabricators, and laborers	1,219	1,177	6.3	6.3	6.0	6.2	7.0	6.5
Machine operators, assemblers, and inspectors	477	406	5.8	5.3	4.8	4.6	7.3	6.5
Transportation and material moving occupations	283	243	4.9	4.4	5.1	4.6	3.9	3.3
Handlers, equipment cleaners, helpers, and laborers	459	528	8.3	9.5	8.4	9.7	7.9	8.2
Construction laborers	116	174	12.9	17.1	12.7	15.8	(²)	(²)
Other handlers, equipment cleaners, helpers, and laborers	343	354	7.5	7.8	7.4	8.1	7.5	6.6
Farming, forestry, and fishing	193	233	5.4	6.3	4.4	5.0	9.7	11.5
No previous work experience	479	427	-	-	-	-	-	-
16 to 19 years	323	308	-	-	-	-	-	-
20 to 24 years	68	53	-	-	-	-	-	-
25 years and over	87	66	-	-	-	-	-	-

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

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

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

A-30. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
Total, 16 years and over	5,643	5,688	4.1	4.1	4.1	4.0	4.2	4.2
Nonagricultural private wage and salary workers	4,516	4,496	4.3	4.2	4.3	4.1	4.4	4.4
Mining	14	41	2.4	7.5	2.7	8.2	-	3.1
Construction	492	551	7.0	7.8	7.4	7.9	3.0	6.9
Manufacturing	812	687	3.9	3.4	3.4	3.0	5.0	4.2
Durable goods	439	396	3.5	3.1	3.3	3.0	4.2	3.4
Lumber and wood products	54	41	6.4	5.3	5.8	6.1	8.5	1.5
Furniture and fixtures	40	18	6.0	2.6	5.8	2.4	6.5	3.1
Stone, clay, and glass products	18	10	3.1	1.5	3.3	1.0	2.4	3.5
Primary metal industries	32	14	4.5	1.8	3.4	1.7	12.8	1.8
Fabricated metal products	44	35	3.2	2.6	3.1	2.6	3.4	2.6
Machinery and computing equipment	84	75	3.4	3.0	2.8	3.3	4.9	2.1
Electrical machinery, equipment, and supplies	69	55	3.5	2.7	4.0	2.8	2.7	2.5
Transportation equipment	55	70	2.3	3.0	2.1	2.3	2.8	5.3
Automobiles	30	39	2.2	3.1	1.4	2.6	4.6	4.5
Other transportation equipment	25	31	2.3	2.9	3.0	2.0	.3	6.5
Professional and photographic equipment	9	27	1.1	3.5	1.1	3.3	1.1	3.9
Other durable goods industries	36	50	5.6	7.0	4.3	6.8	7.6	7.3
Nondurable goods	372	291	4.5	3.7	3.7	2.8	5.8	5.2
Food and kindred products	126	70	7.4	4.2	5.9	2.4	10.5	8.0
Textile mill products	36	21	6.2	3.6	4.9	3.8	7.5	3.4
Apparel and other textile products	51	59	5.8	8.0	5.6	8.2	6.0	7.9
Paper and allied products	21	23	2.9	3.5	3.1	3.7	2.3	2.6
Printing and publishing	53	59	3.0	3.4	1.8	2.8	4.5	4.2
Chemicals and allied products	49	27	3.8	2.2	3.7	1.7	4.2	3.1
Rubber and miscellaneous plastics products	26	29	2.8	3.5	2.8	2.9	2.8	4.7
Other nondurable goods industries	11	3	2.9	.8	1.2	.4	6.7	2.2
Transportation and public utilities	252	218	3.3	2.9	3.2	3.0	3.7	2.6
Transportation	196	152	4.2	3.2	4.3	3.5	4.0	2.4
Communications and other public utilities	56	66	1.9	2.3	1.2	2.0	3.3	2.9
Wholesale and retail trade	1,378	1,388	5.2	5.2	5.0	4.2	5.4	6.3
Wholesale trade	177	172	3.7	3.5	3.7	2.9	3.6	4.8
Retail trade	1,200	1,216	5.5	5.6	5.3	4.7	5.7	6.5
Finance, insurance, and real estate	157	230	2.0	2.8	1.6	3.1	2.2	2.6
Service industries	1,412	1,382	4.2	3.9	4.2	3.8	4.1	4.0
Professional services	569	488	2.8	2.3	2.0	1.8	3.1	2.5
Other service industries	843	894	6.2	6.3	6.2	5.5	6.3	7.1
Agricultural wage and salary workers	151	178	7.0	8.5	6.0	7.3	10.5	11.9
Government, self-employed, and unpaid family workers	498	587	1.7	2.0	1.6	2.0	1.8	1.9
No previous work experience	479	427	-	-	-	-	-	-

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-31. 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	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
NUMBER OF UNEMPLOYED												
Total unemployed	5,643	5,688	2,453	2,385	2,213	2,250	977	1,052	4,037	4,194	1,347	1,180
Job losers and persons who completed temporary jobs	2,647	2,633	1,528	1,473	969	1,043	150	117	1,975	2,027	558	472
On temporary layoff	723	835	404	481	268	297	52	56	596	706	96	97
Not on temporary layoff	1,923	1,797	1,124	992	701	745	98	61	1,380	1,321	463	375
Permanent job losers	1,381	1,263	821	693	507	536	53	35	1,017	926	298	265
Persons who completed temporary jobs	542	534	303	299	194	210	45	26	363	395	164	110
Job leavers	579	754	264	326	277	337	38	91	460	556	91	157
Reentrants	1,939	1,874	618	554	855	783	466	537	1,283	1,331	565	432
New entrants	479	427	43	32	113	87	323	308	319	280	133	120
PERCENT DISTRIBUTION												
Job losers and persons who completed temporary jobs	46.9	46.3	62.3	61.8	43.8	46.3	15.3	11.1	48.9	48.3	41.5	40.0
On temporary layoff	12.8	14.7	16.5	20.2	12.1	13.2	5.3	5.4	14.8	16.8	7.1	8.2
Not on temporary layoff	34.1	31.6	45.8	41.6	31.7	33.1	10.0	5.8	34.2	31.5	34.3	31.8
Job leavers	10.3	13.3	10.8	13.7	12.5	15.0	3.9	8.6	11.4	13.2	6.8	13.3
Reentrants	34.4	33.0	25.2	23.2	38.6	34.8	47.7	51.0	31.8	31.7	41.9	36.6
New entrants	8.5	7.5	1.8	1.3	5.1	3.9	33.1	29.3	7.9	6.7	9.8	10.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers and persons who completed temporary jobs	1.9	1.9	2.2	2.1	1.6	1.7	2.0	1.5	1.7	1.8	3.5	2.9
Job leavers .....	.4	.5	.4	.5	.5	.6	.5	1.2	.4	.5	.6	1.0
Reentrants	1.4	1.4	.9	.8	1.4	1.3	6.2	6.9	1.1	1.2	3.6	2.7
New entrants .....	.4	.3	.1	—	.2	.1	4.3	4.0	.3	.2	.8	.7

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

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

(Percent distribution)

Reason, sex, and age	April 1999						
	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	5,688	100.0	41.8	29.4	28.8	16.3	12.5
Job losers and persons who completed temporary jobs	2,633	100.0	40.4	29.1	30.5	20.2	10.4
On temporary layoff	835	100.0	46.8	25.0	28.3	23.0	5.3
Not on temporary layoff	1,797	100.0	37.4	31.0	31.6	18.9	12.7
Permanent job losers	1,263	100.0	34.5	31.4	34.1	20.4	13.6
Persons who completed temporary jobs	534	100.0	44.2	29.9	25.9	15.2	10.7
Job leavers	754	100.0	48.6	28.9	22.5	10.8	11.7
Reentrants	1,874	100.0	40.5	29.9	29.5	14.3	15.3
New entrants	427	100.0	44.3	29.7	26.0	11.1	14.9
Men, 20 years and over	2,385	100.0	38.1	29.5	32.4	19.9	12.4
Job losers and persons who completed temporary jobs	1,473	100.0	36.9	30.4	32.7	22.6	10.1
On temporary layoff	481	100.0	41.5	25.0	33.5	28.7	4.8
Not on temporary layoff	992	100.0	34.7	33.0	32.3	19.7	12.6
Permanent job losers	693	100.0	31.6	32.7	35.7	20.7	15.0
Persons who completed temporary jobs	299	100.0	41.9	33.7	24.4	17.2	7.2
Job leavers	326	100.0	46.2	32.4	21.4	8.6	12.8
Reentrants	554	100.0	34.6	27.0	38.5	19.2	19.3
New entrants	32	100.0	(1)	(1)	(1)	(1)	(1)
Women, 20 years and over	2,250	100.0	41.6	28.6	29.7	15.0	14.7
Job losers and persons who completed temporary jobs	1,043	100.0	43.0	27.8	29.2	17.7	11.5
On temporary layoff	297	100.0	52.0	25.8	22.2	15.9	6.3
Not on temporary layoff	745	100.0	39.4	28.6	32.0	18.4	13.6
Permanent job losers	536	100.0	38.2	28.7	33.1	20.4	12.7
Persons who completed temporary jobs	210	100.0	42.4	28.3	29.3	13.4	15.9
Job leavers	337	100.0	46.6	26.3	27.1	13.4	13.8
Reentrants	783	100.0	40.1	30.0	29.9	12.6	17.2
New entrants	87	100.0	20.2	35.3	44.5	10.0	34.5
Both sexes, 16 to 19 years	1,052	100.0	50.7	30.6	18.7	10.9	7.8
Job losers and persons who completed temporary jobs	117	100.0	61.0	23.5	15.5	11.5	4.0
On temporary layoff	56	100.0	(1)	(1)	(1)	(1)	(1)
Not on temporary layoff	61	100.0	(1)	(1)	(1)	(1)	(1)
Permanent job losers	35	100.0	(1)	(1)	(1)	(1)	(1)
Persons who completed temporary jobs	26	100.0	(1)	(1)	(1)	(1)	(1)
Job leavers	91	100.0	64.8	26.1	9.1	9.1	-
Reentrants	537	100.0	47.3	32.9	19.8	11.6	8.2
New entrants	308	100.0	48.5	30.7	20.7	9.9	10.9

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

used in the household survey.

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

A-33. 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	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
Total, 16 years and over	5,643	5,688	100.0	100.0	4,484	4,505	100.0	100.0
Less than 5 weeks	2,250	2,378	39.9	41.8	1,628	1,773	36.3	39.3
5 to 14 weeks	1,734	1,671	30.7	29.4	1,408	1,350	31.4	30.0
5 to 10 weeks	1,067	1,055	18.9	18.5	846	816	18.9	18.1
11 to 14 weeks	667	617	11.8	10.8	562	534	12.5	11.8
15 weeks and over	1,660	1,638	29.4	28.8	1,449	1,383	32.3	30.7
15 to 26 weeks	754	928	13.4	16.3	658	800	14.7	17.7
27 weeks and over	906	711	16.1	12.5	791	583	17.6	12.9
27 to 51 weeks	458	314	8.1	5.5	418	255	9.3	5.7
52 weeks and over	448	396	7.9	7.0	373	328	8.3	7.3
Average (mean) duration, in weeks	15.6	14.0	-	-	16.6	14.8	-	-
Median duration, in weeks	8.1	7.4	-	-	9.1	8.3	-	-

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

used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Sex, age, race, and marital status	April 1999							Average (mean) duration	Median duration	
	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				
TOTAL										
Total, 16 years and over	5,688	2,378	1,671	1,638	928	711	14.0	7.4		
16 to 19 years	1,052	533	322	197	114	82	9.7	4.4		
20 to 24 years	959	428	314	217	131	85	11.2	6.8		
25 to 34 years	1,252	524	357	372	200	172	15.0	7.6		
35 to 44 years	1,183	481	326	376	199	177	15.6	8.3		
45 to 54 years	759	245	208	307	179	128	17.7	10.6		
55 to 64 years	375	136	115	124	78	46	15.1	10.7		
65 years and over	108	32	30	47	26	20	21.8	12.7		
Men, 16 years and over	2,959	1,203	868	888	547	341	14.1	7.9		
16 to 19 years	574	295	164	115	71	44	9.4	4.4		
20 to 24 years	524	219	174	131	82	49	11.0	7.7		
25 to 34 years	634	246	163	225	140	85	15.7	8.5		
35 to 44 years	573	222	184	168	101	67	15.0	8.7		
45 to 54 years	396	133	108	155	101	54	17.5	10.2		
55 to 64 years	203	76	63	65	38	27	16.7	10.7		
65 years and over	54	12	13	29	14	15	(¹)	(¹)		
Women, 16 years and over	2,729	1,175	803	751	381	370	13.9	6.9		
16 to 19 years	478	238	159	82	43	38	10.1	4.6		
20 to 24 years	434	209	140	86	49	37	11.4	5.2		
25 to 34 years	618	277	194	146	60	87	14.2	6.7		
35 to 44 years	609	260	142	208	98	110	16.2	7.8		
45 to 54 years	363	112	99	152	78	74	17.9	11.2		
55 to 64 years	171	60	52	59	40	19	13.1	10.6		
65 years and over	54	20	17	17	12	5	(¹)	(¹)		
Race										
White, 16 years and over	4,194	1,856	1,212	1,127	685	442	12.9	6.6		
Men	2,204	926	658	619	398	221	13.1	7.5		
Women	1,990	929	554	508	287	221	12.6	5.6		
Black, 16 years and over	1,180	413	358	409	191	218	17.2	9.6		
Men	552	195	158	199	112	87	16.6	9.0		
Women	628	218	200	210	78	132	17.8	10.3		
Marital status										
Men, 16 years and over:										
Married, spouse present	1,001	367	292	343	240	102	15.2	9.3		
Widowed, divorced, or separated	417	168	147	101	43	58	14.4	8.4		
Single (never married)	1,542	668	429	444	264	180	13.2	7.0		
Women, 16 years and over:										
Married, spouse present	902	389	221	292	158	134	14.1	7.5		
Widowed, divorced, or separated	627	241	191	195	93	102	16.6	8.8		
Single (never married)	1,199	544	391	264	130	134	12.4	5.7		

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

used in the household survey.

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

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

Occupation and industry	April 1999							
	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		
OCCUPATION								
Managerial and professional specialty	686	282	183	221	144	77	14.0	8.3
Technical, sales, and administrative support	1,496	649	447	401	220	180	13.3	6.9
Service occupations	1,074	473	321	281	132	149	13.5	6.8
Precision production, craft, and repair	575	231	182	163	106	57	13.4	8.1
Operators, fabricators, and laborers	1,177	447	336	394	228	166	16.0	8.5
Farming, forestry, and fishing	233	103	63	67	50	18	10.7	6.1
INDUSTRY¹								
Agriculture	178	74	48	56	39	17	11.2	7.4
Construction	556	195	142	219	157	63	15.5	10.4
Manufacturing	689	278	197	215	115	100	15.2	8.4
Durable goods	398	161	109	128	76	53	15.6	8.3
Nondurable goods	291	117	88	86	39	47	14.8	8.6
Transportation and public utilities	730	80	101	70	33	38	16.6	8.5
Wholesale and retail trade	4,204	578	442	375	220	155	13.0	7.0
Finance, insurance, and real estate	737	131	53	55	25	29	11.7	4.2
Services	2,939	702	437	418	225	193	13.4	6.7
Public administration	384	31	42	55	31	24	20.5	12.5
No previous work experience	427	189	127	111	47	64	15.0	6.2

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

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

(In thousands)

Category	Total		Age						Sex			
	Apr. 1998	Apr. 1999	16 to 24 years		25 to 54 years		55 years and over		Men		Women	
			Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
	Total not in the labor force	68,352	68,996	12,124	12,542	18,909	18,733	37,320	37,721	25,167	25,628	43,185	43,368
Do not want a job now ¹	63,451	64,199	10,082	10,560	16,792	16,719	36,578	36,919	23,056	23,576	40,395	40,623
Want a job ¹	4,901	4,797	2,042	1,982	2,116	2,014	742	801	2,111	2,052	2,790	2,745
Did not search for work in previous year	2,779	2,723	1,001	939	1,208	1,183	570	601	1,178	1,080	1,601	1,643
Searched for work in previous year ²	2,122	2,074	1,042	1,043	908	831	172	200	933	973	1,190	1,102
Not available to work now	844	817	516	538	304	242	25	37	345	348	499	469
Available to work now	1,278	1,257	526	505	604	590	148	163	588	625	690	632
Reason not currently looking:												
Discouragement over job prospects ³	344	245	112	69	183	142	48	34	198	156	146	88
Reasons other than discouragement	934	1,012	414	436	421	448	100	129	390	468	544	544
Family responsibilities	159	149	43	25	101	97	15	26	32	38	127	111
In school or training	232	246	219	206	13	40	-	-	133	123	99	123
Ill health or disability	92	109	6	17	72	70	14	22	27	47	65	62
Other ⁴	452	508	145	187	236	240	71	81	198	260	254	248

¹ Includes some persons who are not asked if they want a job.
² Persons who had a job in the prior 12 months must have searched since the end of that job.
³ Includes believes no work available, could not find work, lacks necessary schooling or training, employer thinks too young or old, and other types of discrimination.
⁴ Includes those who did not actively look for work in the prior 4 weeks for such reasons as child-care and transportation problems, as well as a small number for which reason for nonparticipation was not ascertained.
NOTE: Beginning in January 1999, data reflect revised population controls used in the household survey.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Characteristic	Both sexes				Men				Women			
	Number		Rate ¹		Number		Rate ¹		Number		Rate ¹	
	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
AGE												
Total, 16 years and over ²	7,930	7,648	6.1	5.8	4,204	4,012	6.0	5.7	3,726	3,635	6.2	5.9
16 to 19 years	288	262	4.4	3.9	126	123	3.8	3.6	162	139	5.0	4.2
20 years and over	7,642	7,386	6.2	5.9	4,078	3,889	6.1	5.8	3,563	3,496	6.2	6.0
20 to 24 years	790	683	6.3	5.4	358	286	5.4	4.4	432	396	7.3	6.4
25 years and over	6,851	6,703	6.1	5.9	3,720	3,603	6.2	5.9	3,131	3,100	6.1	5.9
25 to 54 years	6,035	5,835	6.3	6.1	3,274	3,089	6.4	6.0	2,761	2,746	6.3	6.2
55 years and over	816	868	4.9	5.0	446	514	4.9	5.4	370	354	5.0	4.6
55 to 64 years	699	753	5.4	5.7	375	444	5.4	6.1	324	309	5.5	5.1
65 years and over	117	115	3.1	3.0	71	70	3.3	3.1	45	45	3.0	2.7
RACE AND HISPANIC ORIGIN												
White	6,873	6,444	6.2	5.8	3,616	3,385	6.0	5.6	3,257	3,058	6.5	6.0
Black	749	876	5.2	5.8	412	478	6.0	6.9	337	398	4.4	5.0
Hispanic origin	539	429	4.1	3.2	322	241	4.0	3.0	218	188	4.2	3.4
MARITAL STATUS												
Married, spouse present	4,466	4,346	5.9	5.7	2,700	2,631	6.3	6.1	1,765	1,715	5.3	5.1
Widowed, divorced, or separated	1,392	1,375	6.7	6.6	538	505	6.1	5.7	854	870	7.2	7.2
Single (never married)	2,072	1,927	6.1	5.5	966	877	5.2	4.6	1,107	1,050	7.1	6.5
FULL- OR PART-TIME STATUS												
Primary job full time, secondary job part time	4,523	4,269	-	-	2,631	2,442	-	-	1,892	1,827	-	-
Primary and secondary jobs both part time	1,610	1,615	-	-	519	496	-	-	1,091	1,119	-	-
Primary and secondary jobs both full time	266	282	-	-	181	214	-	-	85	67	-	-
Hours vary on primary or secondary job	1,480	1,446	-	-	839	841	-	-	641	605	-	-

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

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

NOTE: Detail for the above race and Hispanic-origin groups will not sum to

totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Beginning in January 1999, data reflect revised population controls used in the household survey.

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Apr. 1998	Apr. 1999	Total		Employed		Unemployed			
			Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999	Number		Percent of labor force	
							Apr. 1998	Apr. 1999	Apr. 1998	Apr. 1999
VIETNAM-ERA VETERANS										
Total, 40 years and over	7,812	7,772	6,560	6,498	6,393	6,314	168	184	2.6	2.8
40 to 54 years	6,034	5,608	5,399	5,013	5,256	4,886	143	128	2.7	2.5
40 to 44 years	806	554	700	503	683	477	18	26	2.5	5.1
45 to 49 years	2,324	1,937	2,106	1,730	2,059	1,690	46	40	2.2	2.3
50 to 54 years	2,904	3,117	2,593	2,780	2,514	2,718	79	62	3.1	2.2
55 years and over	1,778	2,164	1,161	1,484	1,137	1,429	25	56	2.1	3.8
NONVETERANS										
Total, 40 to 54 years	20,182	21,049	18,312	19,122	17,760	18,573	552	550	3.0	2.9
40 to 44 years	9,162	9,410	8,470	8,726	8,238	8,459	232	267	2.7	3.1
45 to 49 years	6,648	7,191	6,068	6,581	5,877	6,396	190	185	3.1	2.8
50 to 54 years	4,372	4,448	3,774	3,815	3,644	3,717	130	98	3.4	2.6

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

have never served in the Armed Forces. Beginning in January 1999, data reflect revised population controls used in the household survey.

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

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

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing						Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal	State	Local
Annual averages															
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,478	6,477	1,728	5,025	1,892	(1)	(1)
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,612	6,659	1,800	5,181	1,863	(1)	(1)
1949	43,754	37,897	17,565	930	2,194	14,441	26,189	4,001	2,610	6,654	1,828	5,239	1,908	(1)	(1)
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,643	6,743	1,888	5,356	1,928	(1)	(1)
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,735	7,007	1,956	5,547	2,302	(1)	(1)
1952	48,793	42,185	20,198	898	2,668	16,632	28,595	4,248	2,821	7,184	2,035	5,699	2,420	(1)	(1)
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,862	7,385	2,111	5,835	2,305	(1)	(1)
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,875	7,360	2,200	5,969	2,188	(1)	(1)
1955	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,934	7,601	2,298	6,240	2,187	1,168	3,558
1956	52,369	45,091	21,104	822	3,039	17,243	31,264	4,244	3,027	7,831	2,389	6,497	2,209	1,250	3,819
1957	52,855	45,239	20,967	828	2,962	17,176	31,889	4,241	3,037	7,848	2,438	6,708	2,217	1,328	4,071
1958	51,322	43,483	19,513	751	2,817	15,945	31,811	3,976	2,989	7,761	2,481	6,765	2,191	1,415	4,230
1959 ²	53,270	45,186	20,411	732	3,004	16,675	32,857	4,011	3,092	8,035	2,549	7,087	2,233	1,484	4,366
1960	54,189	45,836	20,434	712	2,928	16,796	33,755	4,004	3,153	8,238	2,628	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,142	8,195	2,688	7,619	2,279	1,607	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,207	8,359	2,754	7,982	2,340	1,668	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,258	8,520	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,347	8,812	2,911	8,660	2,348	1,856	5,392
1965	60,763	50,689	21,926	632	3,232	18,062	38,839	4,036	3,477	9,239	2,977	9,036	2,378	1,996	5,700
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,608	9,637	3,058	9,498	2,564	2,141	6,080
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,268	3,700	9,906	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,158	4,318	3,791	10,308	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,919	10,785	3,512	11,169	2,758	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	4,006	11,034	3,645	11,548	2,731	2,664	7,158
1971	71,211	58,331	22,935	609	3,704	18,623	48,276	4,476	4,014	11,338	3,772	11,797	2,696	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,070	4,541	4,127	11,822	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,291	12,315	4,046	12,857	2,663	2,923	8,146
1974	78,285	64,095	24,794	697	4,020	20,077	53,471	4,725	4,447	12,539	4,148	13,441	2,724	3,039	8,407
1975	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,430	12,630	4,165	13,892	2,748	3,179	8,758
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,562	13,193	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,723	13,792	4,467	15,302	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,985	14,556	4,724	16,252	2,753	3,474	9,446
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,221	14,972	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,292	15,018	5,160	17,890	2,866	3,610	9,765
1981	91,152	75,121	25,497	1,139	4,188	20,170	65,655	5,165	5,375	15,171	5,298	18,615	2,772	3,640	9,819
1982	89,544	73,707	23,812	1,128	3,904	18,780	65,732	5,081	5,295	15,158	5,340	19,021	2,739	3,640	9,458
1983	90,152	74,282	23,330	952	3,946	18,432	66,821	4,952	5,283	15,587	5,466	19,664	2,774	3,662	9,434
1984	94,408	78,384	24,718	966	4,380	19,372	69,690	5,156	5,568	16,512	5,684	20,746	2,807	3,734	9,482
1985	97,387	80,992	24,842	927	4,668	19,248	72,544	5,233	5,727	17,315	5,948	21,927	2,875	3,832	9,687
1986	99,344	82,651	24,533	777	4,810	18,947	74,811	5,247	5,761	17,880	6,273	22,957	2,899	3,893	9,901
1987	101,958	84,948	24,674	717	4,958	18,999	77,284	5,362	5,848	18,422	6,533	24,110	2,943	3,967	10,100
1988	105,209	87,823	25,125	713	5,098	19,314	80,084	5,512	6,030	19,023	6,630	25,504	2,971	4,076	10,339
1989	107,884	90,105	25,254	692	5,171	19,391	82,630	5,614	6,187	19,475	6,668	26,907	2,988	4,182	10,609
1990	109,403	91,098	24,905	709	5,120	19,076	84,497	5,777	6,173	19,601	6,709	27,934	3,085	4,305	10,914
1991	108,249	89,847	23,745	689	4,650	18,406	84,504	5,755	6,081	19,284	6,646	28,336	2,966	4,355	11,081
1992	108,601	89,956	23,231	635	4,492	18,104	85,370	5,718	5,997	19,356	6,602	29,052	2,969	4,408	11,267
1993	110,713	91,872	23,352	610	4,668	18,075	87,361	5,811	5,981	19,773	6,757	30,197	2,915	4,488	11,438
1994	114,163	95,036	23,908	601	4,986	18,321	90,256	5,984	6,162	20,507	6,896	31,579	2,870	4,576	11,682
1995	117,191	97,885	24,265	581	5,160	18,524	92,925	6,132	6,378	21,187	6,806	33,117	2,822	4,635	11,849
1996	119,608	100,189	24,493	580	5,418	18,495	95,115	6,253	6,482	21,597	6,911	34,454	2,757	4,606	12,056
1997	122,690	103,120	24,934	592	5,686	18,657	97,756	6,395	6,648	22,011	7,091	36,040	2,699	4,594	12,276
1998	125,832	105,970	25,256	575	5,965	18,716	100,576	6,549	6,825	22,475	7,341	37,525	2,686	4,648	12,527
Monthly data, seasonally adjusted															
1998:															
April	125,234	105,470	25,339	582	5,930	18,827	99,895	6,513	6,798	22,335	7,289	37,196	2,674	4,620	12,470
May	125,562	105,734	25,301	579	5,917	18,805	100,261	6,534	6,815	22,423	7,311	37,350	2,671	4,637	12,520
June	125,751	105,938	25,304	578	5,946	18,780	100,447	6,538	6,821	22,448	7,333	37,494	2,674	4,632	12,507
July	125,869	106,043	25,135	571	5,970	18,594	100,734	6,550	6,827	22,547	7,370	37,614	2,672	4,645	12,509
August	126,191	106,269	25,253	571	5,989	18,693	100,938	6,570	6,838	22,545	7,372	37,691	2,683	4,661	12,578
September	126,363	106,435	25,241	568	5,981	18,692	101,122	6,579	6,862	22,592	7,393	37,768	2,687	4,680	12,561
October	126,527	106,579	25,209	564	6,012	18,633	101,318	6,595	6,864	22,589	7,417	37,905	2,713	4,671	12,564
November	126,804	106,818	25,184	560	6,051	18,573	101,620	6,604	6,877	22,672	7,441	38,040	2,725	4,674	12,587
December	127,118	107,096	25,269	557	6,153	18,559	101,849	6,627	6,882	22,712	7,458	38,148	2,706	4,690	12,626
1999:															
January	127,335	107,290	25,251	547	6,170	18,534	102,084	6,644	6,907	22,755	7,488	38,245	2,702	4,685	12,658
February	127,670	107,563	25,266	539	6,249	18,478	102,404	6,653	6,917	22,855	7,495	38,377	2,712	4,711	12,684
March ^P	127,677	107,548	25,182	537	6,196	18,449	102,495	6,665	6,923	22,831	7,501	38,448	2,709	4,716	12,704
April ^P	127,911	107,774	25,155	531	6,204	18,420	102,756	6,687	6,934	22,897	7,524	38,577	2,686	4,725	12,726

¹ Not available.

² Data include Alaska and Hawaii beginning in 1959. This inclusion resulted in an increase of 212,000 (0.4 percent) in the nonfarm total for the March 1959 benchmark month.

P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1997) and all seasonally adjusted data (beginning January 1994) are subject to revision.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private ¹			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	11.43	394.34	44.7	15.30	683.91	38.9	15.09	587.00
1996	34.4	11.82	406.61	45.3	15.62	707.59	39.0	15.47	603.33
1997	34.6	12.28	424.89	45.4	16.17	734.12	38.9	16.03	623.57
1998	34.6	12.77	441.84	43.9	16.95	744.11	38.8	16.56	642.53
Monthly data, not seasonally adjusted									
1998:									
April	34.2	\$12.69	\$434.00	43.4	\$16.84	\$730.86	38.0	\$16.34	\$620.92
May	34.6	12.70	439.42	44.4	16.73	742.81	39.2	16.42	643.66
June	34.7	12.66	439.30	44.0	16.73	736.12	39.1	16.44	642.80
July	34.8	12.66	440.57	44.0	16.81	739.64	40.1	16.63	666.86
August	35.1	12.74	447.17	44.0	16.94	745.36	40.1	16.74	671.27
September	34.3	12.89	442.13	42.9	17.16	736.16	37.5	16.76	628.50
October	34.6	12.92	447.03	43.9	17.13	752.01	40.0	16.86	674.40
November	34.7	12.99	450.75	43.9	17.34	761.23	38.5	16.79	646.42
December	34.7	12.99	450.75	43.7	17.35	758.20	39.0	16.84	656.76
1999:									
January	34.0	13.09	445.06	42.4	17.28	732.67	37.8	16.72	632.02
February	34.3	13.09	448.99	42.7	17.13	731.45	37.9	16.63	630.28
March ^P	34.2	13.09	447.68	42.3	17.09	722.91	37.6	16.76	630.18
April ^P	34.3	13.12	450.02	43.5	17.01	739.94	38.6	16.83	649.64

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

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
Annual averages										
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	38.2	12.24	467.57	38.1	9.98	380.24
1989	41.0	10.48	10.02	429.68	38.3	12.57	481.43	38.0	10.39	394.82
1990	40.8	10.83	10.37	441.86	38.4	12.92	496.13	38.1	10.79	411.10
1991	40.7	11.18	10.71	455.03	38.1	13.20	502.92	38.1	11.15	424.82
1992	41.0	11.46	10.95	469.86	38.3	13.43	514.37	38.2	11.39	435.10
1993	41.4	11.74	11.18	486.04	39.3	13.55	532.52	38.2	11.74	448.47
1994	42.0	12.07	11.43	506.94	39.7	13.78	547.07	38.4	12.06	463.10
1995	41.6	12.37	11.74	514.59	39.4	14.13	556.72	38.3	12.43	476.07
1996	41.6	12.77	12.12	531.23	39.6	14.45	572.22	38.3	12.87	492.92
1997	42.0	13.17	12.45	553.14	39.7	14.93	592.72	38.4	13.44	516.10
1998	41.7	13.49	12.79	562.53	39.5	15.34	605.93	38.4	14.01	537.98
Monthly data, not seasonally adjusted										
1998:										
April	40.8	\$13.46	\$12.83	\$549.17	39.1	\$15.27	\$597.06	38.1	\$13.90	\$529.59
May	41.8	13.47	12.78	563.05	39.5	15.21	600.80	38.4	13.96	536.06
June	41.8	13.44	12.74	561.79	39.6	15.22	602.71	38.3	13.89	531.99
July	41.1	13.37	12.70	549.51	39.7	15.31	607.81	38.3	13.99	535.82
August	41.7	13.44	12.73	560.45	39.9	15.33	611.67	38.7	14.13	546.83
September	41.5	13.60	12.88	564.40	39.3	15.46	607.58	38.1	14.10	537.21
October	41.9	13.54	12.82	567.33	39.3	15.43	606.40	38.3	14.13	541.18
November	42.1	13.60	12.87	572.56	39.7	15.53	616.54	38.7	14.28	552.64
December	42.6	13.69	12.94	583.19	39.1	15.54	607.61	38.4	14.27	547.97
1999:										
January	41.3	13.66	12.98	564.16	38.8	15.61	605.67	38.0	14.36	545.68
February	41.3	13.66	13.00	564.16	39.0	15.59	608.01	38.3	14.33	548.84
March ^P	41.4	13.72	13.03	568.01	38.9	15.54	604.51	38.3	14.23	545.01
April ^P	41.6	13.80	13.09	574.08	38.7	15.63	604.88	38.4	14.18	544.51

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

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

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	12.32	442.29	32.4	11.39	369.04
1996	28.8	7.99	230.11	35.9	12.80	459.52	32.4	11.79	382.00
1997	28.9	8.34	241.03	36.1	13.33	481.21	32.6	12.28	400.33
1998	29.1	8.75	254.63	36.4	14.06	511.78	32.7	12.84	419.87
Monthly data, not seasonally adjusted									
1998:									
April	28.7	\$8.70	\$249.69	36.1	\$13.98	\$504.68	32.4	\$12.77	\$413.75
May	29.0	8.71	252.59	36.1	13.99	505.04	32.5	12.75	414.38
June	29.3	8.70	254.91	36.0	13.93	501.48	32.7	12.70	415.29
July	29.8	8.71	259.56	36.1	13.94	503.23	32.9	12.67	416.84
August	29.9	8.74	261.33	36.9	14.11	520.66	33.2	12.75	423.30
September	29.1	8.90	258.99	35.9	14.10	506.19	32.3	12.97	418.93
October	28.9	8.86	256.05	36.1	14.20	512.62	32.6	13.01	424.13
November	28.9	8.87	256.34	36.9	14.42	532.10	32.8	13.15	431.32
December	29.3	8.90	260.77	36.2	14.40	521.28	32.6	13.18	429.67
1999:									
January	28.1	9.02	253.46	36.0	14.47	520.92	32.3	13.30	429.59
February	28.6	9.00	257.40	36.3	14.55	528.17	32.5	13.32	432.90
March ^p	28.6	8.98	256.83	36.1	14.53	524.53	32.4	13.33	431.89
April ^p	28.8	8.96	258.05	36.0	14.62	526.32	32.5	13.34	433.55

¹ Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance and real estate; and services.
p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P	Apr.P
Total	125,234	125,562	125,751	125,869	126,191	126,363	126,527	126,804	127,118	127,335	127,670	127,677	127,911
Total private	105,470	105,734	105,938	106,043	106,269	106,435	106,579	106,818	107,096	107,290	107,563	107,548	107,774
Goods-producing	25,339	25,301	25,304	25,135	25,253	25,241	25,209	25,184	25,269	25,251	25,266	25,182	25,155
Mining	582	579	578	571	571	568	564	560	557	547	539	537	531
Metal mining	51	51	51	50	50	50	50	50	50	51	51	50	50
Coal mining	92	92	90	89	90	89	89	90	90	89	88	87	85
Oil and gas extraction	332	329	330	325	323	321	317	312	308	299	292	293	288
Nonmetallic minerals, except fuels	107	107	107	107	108	108	108	108	109	108	108	107	108
Construction	5,930	5,917	5,946	5,970	5,989	5,981	6,012	6,051	6,153	6,170	6,249	6,196	6,204
General building contractors	1,385	1,388	1,401	1,410	1,413	1,410	1,419	1,414	1,433	1,448	1,460	1,458	1,446
Heavy construction, except building	819	819	821	828	829	820	825	834	861	862	864	846	855
Special trade contractors	3,726	3,710	3,724	3,732	3,747	3,751	3,768	3,803	3,859	3,860	3,925	3,892	3,903
Manufacturing	18,827	18,805	18,780	18,594	18,693	18,692	18,633	18,573	18,559	18,534	18,478	18,449	18,420
Durable goods	11,170	11,156	11,144	10,989	11,106	11,090	11,059	11,011	10,996	10,974	10,948	10,935	10,917
Lumber and wood products	802	803	801	802	802	805	806	809	813	818	819	819	817
Furniture and fixtures	524	526	524	528	526	524	524	524	527	527	528	529	529
Stone, clay, and glass products	561	559	562	561	564	564	564	568	571	568	571	568	569
Primary metal industries	718	716	717	706	714	712	706	699	698	694	694	693	693
Fabricated metal products	1,498	1,495	1,490	1,477	1,490	1,487	1,486	1,481	1,480	1,484	1,480	1,478	1,475
Industrial machinery and equipment	2,201	2,201	2,202	2,193	2,190	2,185	2,175	2,162	2,152	2,133	2,131	2,123	2,119
Computer and office equipment	377	376	375	375	373	374	371	370	367	359	358	356	358
Electronic and other electrical equipment	1,720	1,716	1,714	1,701	1,694	1,688	1,680	1,668	1,664	1,657	1,653	1,654	1,653
Electronic components and accessories	678	677	672	667	661	659	654	649	646	642	642	643	642
Transportation equipment	1,890	1,886	1,882	1,772	1,884	1,883	1,887	1,877	1,871	1,874	1,856	1,858	1,850
Motor vehicles and equipment	1,004	998	993	878	995	995	1,000	998	990	996	985	988	993
Aircraft and parts	525	524	524	526	526	524	523	519	518	516	509	509	503
Instruments and related products	867	866	864	861	857	855	850	845	842	841	839	836	833
Miscellaneous manufacturing	389	388	388	388	385	387	381	378	378	378	377	377	379
Nondurable goods	7,657	7,649	7,636	7,605	7,587	7,602	7,574	7,562	7,563	7,560	7,530	7,514	7,503
Food and kindred products	1,708	1,710	1,706	1,696	1,690	1,704	1,702	1,710	1,718	1,723	1,718	1,715	1,714
Tobacco products	42	41	40	40	40	39	40	40	39	40	39	39	37
Textile mill products	605	603	599	594	591	593	589	584	581	578	573	570	565
Apparel and other textile products	787	780	776	772	762	761	746	736	734	727	714	711	705
Paper and allied products	686	685	682	680	680	679	677	674	673	672	672	670	670
Printing and publishing	1,565	1,566	1,570	1,571	1,568	1,568	1,569	1,566	1,561	1,563	1,560	1,559	1,557
Chemicals and allied products	1,035	1,039	1,037	1,038	1,036	1,036	1,034	1,035	1,035	1,032	1,033	1,030	1,031
Petroleum and coal products	137	136	137	135	134	135	134	134	136	134	134	134	134
Rubber and misc. plastics products	1,008	1,006	1,006	998	1,006	1,007	1,004	1,005	1,008	1,014	1,012	1,012	1,017
Leather and leather products	84	83	83	81	80	80	79	78	78	77	75	74	73
Service-producing	99,895	100,261	100,447	100,734	100,938	101,122	101,318	101,620	101,849	102,084	102,404	102,495	102,756
Transportation and public utilities	6,513	6,534	6,538	6,550	6,570	6,579	6,595	6,604	6,627	6,644	6,653	6,665	6,687
Transportation	4,173	4,191	4,196	4,208	4,235	4,237	4,247	4,249	4,262	4,273	4,276	4,287	4,307
Railroad transportation	231	232	232	231	232	234	234	231	233	236	234	234	232
Local and interurban passenger transit	453	459	458	466	469	466	467	468	468	467	469	470	477
Trucking and warehousing	1,702	1,703	1,709	1,709	1,719	1,716	1,721	1,721	1,730	1,741	1,740	1,746	1,751
Water transportation	181	185	183	188	192	191	191	193	191	190	189	185	188
Transportation by air	1,147	1,151	1,154	1,154	1,161	1,166	1,167	1,167	1,169	1,168	1,176	1,183	1,187
Pipelines, except natural gas	14	14	14	14	14	14	14	14	14	14	14	14	14
Transportation services	445	447	446	446	448	450	453	455	457	457	454	455	458
Communications and public utilities	2,340	2,343	2,342	2,342	2,335	2,342	2,348	2,355	2,365	2,371	2,377	2,378	2,380
Communications	1,484	1,486	1,488	1,488	1,483	1,490	1,498	1,502	1,512	1,522	1,528	1,528	1,533
Electric, gas, and sanitary services	856	857	854	854	852	852	850	853	853	849	849	850	847
Wholesale trade	6,798	6,815	6,821	6,827	6,838	6,862	6,864	6,877	6,882	6,907	6,917	6,923	6,934
Durable goods	4,050	4,059	4,067	4,072	4,084	4,094	4,096	4,102	4,104	4,116	4,129	4,131	4,137
Nondurable goods	2,748	2,756	2,754	2,755	2,754	2,768	2,768	2,775	2,778	2,791	2,788	2,792	2,797

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1998										1999		
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P	Apr.P
Retail trade	22,335	22,423	22,448	22,547	22,545	22,592	22,589	22,672	22,712	22,755	22,855	22,831	22,897
Building materials and garden supplies	971	972	975	977	979	984	987	991	997	1,003	1,012	1,014	1,008
General merchandise stores	2,784	2,788	2,784	2,790	2,784	2,800	2,812	2,842	2,823	2,847	2,842	2,860	2,838
Department stores	2,447	2,462	2,457	2,454	2,459	2,466	2,481	2,504	2,490	2,514	2,510	2,527	2,515
Food stores	3,533	3,542	3,538	3,552	3,551	3,557	3,554	3,558	3,561	3,548	3,561	3,565	3,572
Automotive dealers and service stations	2,337	2,345	2,351	2,355	2,354	2,361	2,367	2,370	2,377	2,384	2,398	2,397	2,403
New and used car dealers	1,058	1,060	1,064	1,066	1,064	1,065	1,067	1,069	1,073	1,074	1,078	1,081	1,087
Apparel and accessory stores	1,105	1,106	1,108	1,111	1,112	1,109	1,101	1,105	1,101	1,108	1,125	1,123	1,120
Furniture and home furnishings stores	1,045	1,055	1,058	1,063	1,070	1,071	1,076	1,082	1,084	1,094	1,103	1,108	1,117
Eating and drinking places	7,681	7,714	7,726	7,781	7,770	7,790	7,778	7,807	7,854	7,838	7,860	7,800	7,864
Miscellaneous retail establishments	2,879	2,901	2,908	2,918	2,925	2,920	2,914	2,917	2,915	2,933	2,954	2,964	2,975
Finance, insurance, and real estate	7,289	7,311	7,333	7,370	7,372	7,393	7,417	7,441	7,458	7,488	7,495	7,501	7,524
Finance	3,521	3,536	3,547	3,565	3,572	3,578	3,598	3,605	3,615	3,628	3,632	3,638	3,655
Depository institutions	2,041	2,044	2,042	2,042	2,042	2,038	2,043	2,043	2,046	2,051	2,052	2,053	2,056
Commercial banks	1,463	1,463	1,459	1,459	1,457	1,456	1,456	1,455	1,457	1,460	1,461	1,460	1,461
Savings institutions	263	264	264	265	264	264	265	265	264	266	266	266	265
Nondepository institutions	605	611	616	624	628	630	640	649	652	659	661	664	672
Mortgage bankers and brokers	278	281	284	289	294	298	305	310	313	314	316	320	322
Security and commodity brokers	636	641	648	655	657	662	666	663	666	667	665	667	673
Holding and other investment offices	239	240	241	244	245	248	249	250	251	251	254	254	254
Insurance	2,312	2,320	2,328	2,337	2,339	2,346	2,350	2,357	2,360	2,363	2,365	2,369	2,372
Insurance carriers	1,574	1,579	1,586	1,594	1,595	1,599	1,601	1,606	1,610	1,613	1,612	1,614	1,613
Insurance agents, brokers, and service	738	741	742	743	744	747	749	751	750	750	753	755	759
Real estate	1,456	1,455	1,458	1,468	1,461	1,469	1,469	1,479	1,483	1,497	1,498	1,494	1,497
Services ¹	37,196	37,350	37,494	37,614	37,691	37,768	37,905	38,040	38,148	38,245	38,377	38,446	38,577
Agricultural services	706	700	706	713	718	719	722	737	751	758	763	754	755
Hotels and other lodging places	1,767	1,769	1,773	1,781	1,786	1,781	1,783	1,777	1,776	1,780	1,778	1,779	1,776
Personal services	1,186	1,190	1,186	1,184	1,185	1,179	1,178	1,180	1,186	1,186	1,176	1,175	1,183
Business services	8,422	8,491	8,556	8,565	8,619	8,605	8,677	8,715	8,756	8,792	8,846	8,874	8,925
Services to buildings	965	975	975	980	978	986	987	989	991	1,000	999	998	1,003
Personnel supply services	3,140	3,156	3,189	3,151	3,178	3,152	3,161	3,177	3,202	3,218	3,245	3,250	3,269
Help supply services	2,806	2,818	2,853	2,815	2,850	2,818	2,829	2,840	2,857	2,866	2,890	2,897	2,915
Computer and data processing services	1,561	1,578	1,601	1,622	1,632	1,643	1,661	1,680	1,691	1,709	1,725	1,734	1,750
Auto repair, services, and parking	1,146	1,153	1,159	1,162	1,167	1,168	1,169	1,175	1,177	1,183	1,189	1,188	1,188
Miscellaneous repair services	383	385	387	385	386	388	389	391	393	396	395	395	396
Motion pictures	563	567	554	564	566	568	567	563	564	559	569	567	579
Amusement and recreation services	1,660	1,662	1,670	1,694	1,705	1,717	1,718	1,744	1,742	1,748	1,746	1,746	1,759
Health services	9,873	9,887	9,905	9,902	9,919	9,937	9,947	9,955	9,955	9,959	9,976	9,990	10,013
Offices and clinics of medical doctors	1,801	1,806	1,813	1,817	1,828	1,835	1,843	1,849	1,845	1,856	1,859	1,864	1,869
Nursing and personal care facilities	1,760	1,762	1,761	1,756	1,754	1,758	1,755	1,753	1,751	1,753	1,751	1,749	1,748
Hospitals	3,938	3,945	3,953	3,960	3,966	3,971	3,977	3,978	3,980	3,978	3,985	3,988	3,995
Home health care services	687	684	683	673	670	667	662	661	661	652	660	662	665
Legal services	972	977	980	984	985	991	995	994	997	997	1,000	1,001	1,005
Educational services	2,192	2,195	2,200	2,205	2,198	2,218	2,238	2,245	2,252	2,240	2,262	2,270	2,271
Social services	2,595	2,609	2,627	2,657	2,632	2,652	2,659	2,672	2,686	2,697	2,711	2,718	2,727
Child day care services	577	575	581	583	586	583	583	586	589	592	597	598	598
Residential care	746	749	747	749	752	758	762	764	766	770	774	776	778
Museums and botanical and zoological gardens	92	91	91	91	92	92	92	94	94	94	94	94	94
Membership organizations	2,265	2,266	2,270	2,272	2,273	2,276	2,281	2,279	2,283	2,290	2,293	2,298	2,298
Engineering and management services	3,178	3,212	3,234	3,259	3,264	3,280	3,293	3,321	3,338	3,367	3,380	3,399	3,410
Engineering and architectural services	910	913	921	925	927	926	927	932	934	937	942	943	946
Management and public relations	1,011	1,029	1,037	1,052	1,055	1,066	1,075	1,092	1,098	1,113	1,119	1,132	1,136
Government	19,764	19,828	19,813	19,826	19,922	19,928	19,948	19,986	20,022	20,045	20,107	20,129	20,137
Federal	2,674	2,671	2,674	2,672	2,683	2,687	2,713	2,725	2,706	2,702	2,712	2,709	2,686
Federal, except Postal Service	1,814	1,810	1,813	1,810	1,816	1,813	1,834	1,845	1,818	1,825	1,836	1,832	1,810
State	4,620	4,637	4,632	4,645	4,661	4,680	4,671	4,674	4,690	4,685	4,711	4,716	4,725
Education	1,925	1,932	1,933	1,938	1,949	1,960	1,949	1,945	1,957	1,947	1,969	1,971	1,977
Other State government	2,695	2,705	2,699	2,707	2,712	2,720	2,722	2,729	2,733	2,738	2,742	2,745	2,748
Local	12,470	12,520	12,507	12,509	12,578	12,561	12,564	12,587	12,626	12,658	12,684	12,704	12,726
Education	7,023	7,053	7,045	7,078	7,128	7,088	7,083	7,114	7,133	7,155	7,171	7,189	7,198
Other local government	5,447	5,467	5,462	5,431	5,450	5,473	5,481	5,473	5,493	5,503	5,513	5,515	5,528

¹ Includes other industries, not shown separately.
P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1998											1999	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total	60,308	60,380	60,460	60,689	60,791	60,893	61,008	61,130	61,184	61,258	61,411	61,520	61,698
Total private	49,306	49,369	49,446	49,626	49,725	49,854	49,893	49,975	50,024	50,095	50,187	50,293	50,433
Goods-producing	6,767	6,770	6,759	6,762	6,763	6,703	6,722	6,724	6,696	6,671	6,672	6,672	6,652
Mining	83	83	82	82	82	81	82	82	80	80	80	80	80
Construction	654	655	656	662	669	672	677	676	679	682	685	687	693
Manufacturing	6,030	6,032	6,021	6,018	6,012	5,950	5,963	5,966	5,937	5,909	5,907	5,905	5,879
Durable goods	2,979	2,982	2,980	2,976	2,976	2,938	2,954	2,951	2,941	2,923	2,920	2,918	2,910
Lumber and wood products	141	141	141	141	142	143	143	144	144	145	145	146	147
Furniture and fixtures	164	165	166	166	167	168	167	166	167	166	168	168	168
Stone, clay, and glass products	107	107	106	107	107	107	107	106	107	106	106	105	105
Primary metal industries	104	104	105	103	105	102	104	104	104	104	103	102	102
Fabricated metal products	334	334	334	334	334	334	336	336	336	334	335	336	336
Industrial machinery and equipment	486	485	485	482	482	478	475	474	472	469	468	463	462
Electronic and other electrical equipment	716	716	712	710	708	702	697	695	687	681	679	677	674
Transportation equipment	401	402	404	406	406	380	402	404	406	403	402	406	402
Instruments and related products	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Miscellaneous manufacturing	171	171	171	171	170	169	169	169	166	165	165	166	165
Nondurable goods	3,051	3,050	3,041	3,042	3,036	3,012	3,009	3,015	2,996	2,986	2,987	2,987	2,969
Food and kindred products	559	559	560	562	560	548	554	559	555	560	565	566	562
Tobacco products	13	13	14	13	13	12	12	12	13	13	13	13	13
Textile mill products	280	278	279	279	277	276	274	275	274	271	270	269	267
Apparel and other textile products	582	583	575	571	567	565	557	555	542	535	532	527	519
Paper and allied products	168	168	167	167	167	165	165	165	165	163	164	164	163
Printing and publishing	705	706	705	707	710	710	707	708	709	706	704	704	704
Chemicals and allied products	331	330	330	332	331	333	332	333	331	332	331	332	332
Petroleum and coal products	24	24	24	24	24	23	23	23	23	23	24	24	24
Rubber and misc. plastics products	344	344	343	343	343	338	343	343	342	342	343	347	345
Leather and leather products	45	45	44	44	44	42	42	42	42	41	41	41	40
Service-producing	53,541	53,610	53,701	53,927	54,028	54,190	54,286	54,406	54,488	54,587	54,739	54,848	55,046
Transportation and public utilities	1,948	1,949	1,951	1,960	1,963	1,969	1,980	1,991	2,002	1,999	2,005	2,016	2,032
Wholesale trade	2,077	2,078	2,082	2,089	2,090	2,096	2,096	2,096	2,099	2,104	2,104	2,106	2,112
Retail trade	11,712	11,707	11,720	11,786	11,819	11,884	11,875	11,902	11,898	11,906	11,925	11,954	12,017
Finance, insurance, and real estate	4,546	4,563	4,582	4,593	4,604	4,617	4,619	4,629	4,643	4,658	4,671	4,691	4,695
Services	22,256	22,302	22,352	22,436	22,486	22,585	22,601	22,633	22,686	22,757	22,810	22,854	22,925
Government	11,002	11,011	11,014	11,063	11,066	11,039	11,115	11,155	11,160	11,163	11,224	11,227	11,265
Federal	1,140	1,137	1,136	1,136	1,142	1,127	1,133	1,137	1,148	1,146	1,153	1,140	1,147
State	2,367	2,371	2,369	2,375	2,377	2,385	2,397	2,405	2,406	2,406	2,420	2,412	2,425
Local	7,495	7,503	7,509	7,552	7,547	7,527	7,585	7,613	7,606	7,611	7,651	7,675	7,693

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

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P	Apr.P
Total private	86,282	86,526	86,698	86,787	86,903	87,072	87,188	87,337	87,591	87,698	88,019	87,966	88,128
Goods-producing	18,043	17,989	17,984	17,803	17,896	17,910	17,889	17,855	17,956	17,902	17,987	17,866	17,835
Mining	440	440	438	434	432	431	428	424	423	411	403	401	397
Construction	4,596	4,578	4,603	4,623	4,628	4,614	4,640	4,666	4,770	4,751	4,884	4,781	4,780
Manufacturing	13,007	12,971	12,943	12,746	12,836	12,865	12,821	12,765	12,763	12,740	12,700	12,684	12,658
Durable goods	7,666	7,642	7,626	7,468	7,577	7,584	7,566	7,522	7,519	7,494	7,478	7,480	7,464
Lumber and wood products	660	660	658	661	660	661	662	664	668	671	673	673	671
Furniture and fixtures	418	419	417	420	418	417	417	417	421	421	421	422	422
Stone, clay, and glass products	436	436	438	438	440	441	441	444	447	444	447	444	446
Primary metal industries	563	561	561	551	558	557	553	546	546	542	542	541	540
Fabricated metal products	1,132	1,127	1,122	1,111	1,118	1,120	1,118	1,115	1,114	1,117	1,111	1,111	1,109
Industrial machinery and equipment	1,389	1,389	1,392	1,385	1,384	1,380	1,377	1,367	1,361	1,347	1,346	1,340	1,336
Electronic and other electrical equipment	1,081	1,079	1,075	1,062	1,056	1,059	1,050	1,039	1,036	1,032	1,027	1,034	1,034
Transportation equipment	1,279	1,267	1,262	1,138	1,245	1,251	1,257	1,243	1,240	1,235	1,226	1,230	1,221
Motor vehicles and equipment	784	774	768	641	752	757	762	752	752	750	743	750	752
Instruments and related products	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Miscellaneous manufacturing	274	271	270	271	269	269	264	262	263	261	262	262	264
Nondurable goods	5,341	5,329	5,317	5,278	5,259	5,281	5,255	5,243	5,244	5,246	5,222	5,204	5,194
Food and kindred products	1,271	1,273	1,270	1,256	1,249	1,265	1,264	1,272	1,278	1,284	1,282	1,280	1,274
Tobacco products	33	32	31	30	30	31	31	31	30	31	30	29	28
Textile mill products	513	511	509	503	499	502	499	493	491	489	484	483	479
Apparel and other textile products	633	627	624	622	613	612	596	587	586	581	571	567	564
Paper and allied products	524	522	520	516	517	517	515	512	511	510	509	507	508
Printing and publishing	846	847	848	846	844	844	844	840	836	838	835	832	829
Chemicals and allied products	583	584	584	584	581	582	581	581	582	581	580	578	580
Petroleum and coal products	90	89	89	89	88	89	89	89	91	89	89	89	88
Rubber and misc. plastics products	784	781	780	771	778	780	777	779	781	786	786	784	790
Leather and leather products	64	63	62	61	60	59	59	59	58	57	56	55	54
Service-producing	68,239	68,537	68,714	68,984	69,007	69,162	69,299	69,482	69,635	69,796	70,032	70,100	70,293
Transportation and public utilities	5,373	5,402	5,401	5,424	5,456	5,457	5,472	5,480	5,502	5,525	5,537	5,528	5,546
Wholesale trade	5,448	5,457	5,464	5,477	5,479	5,497	5,500	5,510	5,518	5,538	5,547	5,551	5,555
Retail trade	19,596	19,710	19,719	19,817	19,795	19,828	19,825	19,878	19,917	19,962	20,062	20,068	20,113
Finance, insurance, and real estate	5,353	5,367	5,391	5,416	5,417	5,426	5,449	5,466	5,477	5,502	5,500	5,504	5,510
Services	32,469	32,601	32,739	32,850	32,860	32,954	33,053	33,148	33,221	33,269	33,386	33,449	33,569

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

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

cannot be separated with sufficient precision.

P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

**ESTABLISHMENT DATA
DIFFUSION INDEXES
SEASONALLY ADJUSTED**

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

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.
Private nonfarm payrolls, 356 industries¹												
Over 1-month span:												
1995	62.5	60.0	54.9	55.6	47.8	55.6	54.8	59.0	58.0	55.8	54.5	58.8
1996	50.8	64.6	59.6	56.6	62.8	61.0	57.3	61.5	56.0	62.5	62.2	60.7
1997	58.0	61.4	59.8	63.6	60.1	54.6	61.1	59.1	60.0	64.3	62.4	64.9
1998	63.8	58.7	59.6	56.9	56.6	59.0	55.1	53.9	53.5	52.4	54.8	56.6
1999	54.5	54.1	P46.5	P55.2								
Over 3-month span:												
1995	63.6	61.4	59.4	53.1	55.2	53.2	59.7	60.1	59.1	58.0	56.6	54.6
1996	61.9	62.8	64.0	63.8	63.5	64.9	64.2	61.5	63.9	64.2	67.0	66.6
1997	64.9	63.3	65.6	66.2	63.9	61.2	60.1	65.9	67.4	68.1	70.8	71.9
1998	68.4	67.3	64.2	61.7	60.4	58.4	57.2	56.7	56.0	53.7	57.6	58.1
1999	59.0	P52.5	P53.2									
Over 6-month span:												
1995	66.4	60.1	59.1	57.3	59.0	60.1	57.6	60.4	59.7	59.3	61.1	63.2
1996	62.8	65.4	64.7	65.7	66.2	65.0	66.4	66.0	66.2	67.6	66.9	66.3
1997	67.6	67.0	65.3	64.9	65.6	67.3	68.0	67.3	70.6	72.3	73.3	72.6
1998	72.1	70.9	69.4	63.5	64.5	61.8	59.0	58.1	58.1	60.8	58.3	P56.7
1999	P57.2											
Over 12-month span:												
1995	63.6	62.4	62.6	63.3	61.7	61.9	58.7	62.2	62.2	61.5	63.5	65.4
1996	64.5	66.7	64.5	65.6	68.5	67.3	67.7	66.4	68.0	69.9	69.1	68.3
1997	69.8	67.6	69.2	70.1	69.8	69.8	71.2	71.2	71.1	73.0	72.9	72.3
1998	71.2	69.5	69.5	66.6	65.2	64.0	62.8	64.2	P61.9	P59.6		
1999												
Manufacturing payrolls, 139 industries¹												
Over 1-month span:												
1995	54.7	54.3	46.4	53.2	42.4	44.2	46.4	49.6	48.6	52.2	45.3	48.2
1996	42.8	54.7	48.2	42.1	55.4	50.7	47.1	55.4	47.8	52.9	54.3	55.4
1997	49.3	54.3	50.0	56.8	51.4	52.2	50.4	48.9	56.5	57.2	56.1	60.8
1998	55.8	51.8	52.5	48.6	45.0	47.8	39.6	47.5	43.2	38.8	37.1	45.7
1999	43.9	41.4	P36.7	P43.9								
Over 3-month span:												
1995	56.8	50.0	47.8	42.1	43.2	38.8	40.6	43.5	48.2	47.1	45.3	39.9
1996	43.9	46.8	46.0	47.5	46.4	49.3	51.4	50.0	53.6	51.1	57.6	54.7
1997	54.3	49.3	54.3	54.0	55.4	50.4	47.5	52.2	57.9	62.6	64.7	65.5
1998	60.1	59.0	50.7	46.4	43.2	38.8	36.7	34.2	41.4	30.9	35.6	38.1
1999	39.9	P32.0	P33.5									
Over 6-month span:												
1995	55.4	46.4	42.8	40.3	41.4	42.4	41.0	41.0	43.9	43.2	43.2	45.3
1996	42.1	45.3	46.4	47.1	48.2	48.6	51.1	50.4	52.9	52.9	53.2	52.2
1997	54.3	54.3	51.4	52.9	51.4	55.0	56.8	57.6	60.4	64.4	67.6	65.8
1998	61.5	56.8	52.2	39.2	40.6	34.5	30.9	28.1	31.7	38.5	33.1	P30.2
1999	P29.5											
Over 12-month span:												
1995	46.0	44.2	46.0	47.8	41.0	41.7	38.5	38.8	36.3	38.5	39.9	44.6
1996	43.5	47.5	45.3	45.3	50.4	49.6	50.4	48.6	51.1	55.0	54.0	51.8
1997	57.2	52.5	54.7	56.5	57.9	57.6	58.6	58.6	60.4	60.4	59.4	58.3
1998	50.7	51.1	50.4	41.7	38.5	36.7	32.7	32.0	P28.8	P27.3		
1999												

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

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. Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1997) and all seasonally adjusted data (beginning January 1994) are subject to revision.

**ESTABLISHMENT DATA
STATE EMPLOYMENT
SEASONALLY ADJUSTED**

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

(In thousands)

State	1998											1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	
	Total ¹													
Alabama	1,891.2	1,899.0	1,904.3	1,911.3	1,916.6	1,918.8	1,917.3	1,916.4	1,916.8	1,923.0	1,927.3	1,929.8	1,930.6	
Alaska	274.9	274.6	274.9	274.5	275.2	275.5	276.3	276.8	276.6	276.1	277.8	277.5	277.2	
Arizona	2,049.4	2,055.5	2,070.2	2,080.0	2,084.8	2,091.0	2,099.6	2,101.3	2,113.4	2,117.7	2,114.4	2,117.3	2,126.0	
Arkansas	1,119.0	1,118.7	1,120.2	1,122.1	1,124.3	1,124.7	1,125.4	1,129.8	1,132.0	1,131.4	1,131.4	1,131.9	1,132.6	
California	13,448.8	13,486.6	13,525.6	13,554.6	13,606.4	13,648.4	13,679.8	13,717.2	13,748.8	13,782.9	13,827.9	13,833.8	13,851.9	
Colorado	2,033.8	2,030.4	2,045.5	2,050.6	2,063.1	2,064.8	2,070.0	2,073.7	2,074.6	2,076.2	2,085.1	2,084.8	2,090.0	
Connecticut	1,638.4	1,638.5	1,640.8	1,643.3	1,649.3	1,651.3	1,645.8	1,651.4	1,652.5	1,660.3	1,660.5	1,663.4	1,663.5	
Delaware	396.5	396.2	397.9	398.6	398.5	401.3	401.7	401.8	403.9	406.1	408.1	408.8	408.4	
District of Columbia	614.7	614.3	615.2	616.9	610.8	618.7	617.8	615.3	616.4	615.4	615.1	615.3	615.1	
Florida	6,580.2	6,606.6	6,644.0	6,675.9	6,698.5	6,723.1	6,751.8	6,757.8	6,773.0	6,791.4	6,809.6	6,825.1	6,837.5	
Georgia	3,706.1	3,702.8	3,721.9	3,733.3	3,741.5	3,761.4	3,774.8	3,772.9	3,782.9	3,796.3	3,800.7	3,813.7	3,829.7	
Hawaii	528.7	530.0	530.4	530.3	529.3	531.2	536.2	530.7	528.3	527.2	526.5	527.5	527.6	
Idaho	518.5	518.9	520.2	520.4	521.1	523.2	522.8	525.9	527.1	532.8	536.8	537.2	537.6	
Illinois	5,851.9	5,865.3	5,878.7	5,886.2	5,918.1	5,921.4	5,921.4	5,929.0	5,937.5	5,947.1	5,943.9	5,942.8	5,946.0	
Indiana	2,897.6	2,905.4	2,914.2	2,921.0	2,906.5	2,926.6	2,937.6	2,933.8	2,931.5	2,940.7	2,940.5	2,954.5	2,958.3	
Iowa	1,433.0	1,436.6	1,441.3	1,445.4	1,457.3	1,454.2	1,457.1	1,460.1	1,460.8	1,466.9	1,459.7	1,467.2	1,466.0	
Kansas	1,298.0	1,303.9	1,309.8	1,314.0	1,312.0	1,316.8	1,316.3	1,322.4	1,328.4	1,330.6	1,333.8	1,334.7	1,334.5	
Kentucky	1,739.1	1,746.7	1,749.2	1,754.2	1,757.5	1,761.8	1,760.6	1,763.7	1,763.3	1,765.6	1,772.8	1,773.8	1,776.0	
Louisiana	1,882.3	1,891.8	1,896.2	1,896.3	1,904.9	1,905.1	1,907.9	1,908.2	1,913.3	1,918.3	1,910.8	1,909.7	1,912.4	
Maine	565.5	567.3	567.1	568.9	570.0	570.2	573.0	574.7	576.1	577.1	578.6	579.9	580.8	
Maryland	2,310.5	2,305.7	2,309.9	2,315.9	2,329.5	2,334.2	2,339.7	2,342.5	2,346.6	2,346.3	2,355.3	2,361.3	2,362.3	
Massachusetts	3,163.0	3,166.6	3,170.6	3,172.1	3,183.5	3,185.8	3,187.9	3,189.9	3,191.6	3,198.5	3,193.9	3,203.9	3,211.0	
Michigan	4,501.9	4,507.8	4,516.5	4,520.8	4,466.8	4,525.6	4,535.3	4,540.1	4,543.9	4,547.1	4,541.7	4,537.4	4,551.7	
Minnesota	2,542.8	2,551.1	2,557.3	2,564.0	2,563.2	2,568.8	2,559.4	2,578.4	2,584.8	2,592.3	2,593.2	2,589.9	2,589.8	
Mississippi	1,125.9	1,130.1	1,130.7	1,132.6	1,141.4	1,134.5	1,133.2	1,134.5	1,133.8	1,134.9	1,135.9	1,135.5	1,136.1	
Missouri	2,665.5	2,673.8	2,687.6	2,694.1	2,688.4	2,693.0	2,698.6	2,702.8	2,708.5	2,717.6	2,711.8	2,706.4	2,704.7	
Montana	371.0	371.7	372.7	372.0	374.4	374.6	375.1	375.3	376.4	376.8	378.2	378.2	379.8	
Nebraska	865.6	872.2	872.5	875.0	882.8	880.1	881.3	882.7	882.6	886.7	880.5	879.6	876.2	
Nevada	909.5	914.5	919.4	923.4	927.7	931.9	934.0	943.3	943.9	946.7	949.9	949.9	951.7	
New Hampshire	587.0	585.9	586.5	586.9	586.5	586.7	587.8	590.7	591.2	591.5	593.7	595.7	596.6	
New Jersey	3,780.0	3,789.8	3,797.9	3,796.4	3,800.9	3,808.7	3,821.0	3,817.3	3,821.1	3,833.2	3,832.7	3,840.3	3,846.7	
New Mexico	719.6	719.8	720.0	720.3	721.5	722.6	722.2	723.9	725.3	725.8	726.4	726.7	729.5	
New York	8,193.3	8,198.2	8,222.7	8,231.0	8,213.9	8,239.6	8,258.3	8,275.4	8,289.1	8,311.4	8,303.3	8,328.0	8,333.2	
North Carolina	3,730.2	3,747.2	3,757.3	3,758.0	3,795.8	3,816.9	3,806.3	3,811.0	3,814.5	3,823.2	3,831.5	3,830.3	3,827.4	
North Dakota	320.5	319.9	319.7	315.9	316.1	314.9	317.0	317.1	317.5	319.3	319.9	319.4	319.4	
Ohio	5,457.3	5,469.0	5,474.9	5,478.9	5,445.0	5,485.3	5,489.0	5,497.2	5,498.2	5,501.3	5,489.4	5,499.2	5,500.4	
Oklahoma	1,430.9	1,437.6	1,443.0	1,443.6	1,440.8	1,447.0	1,447.0	1,449.7	1,451.6	1,454.2	1,455.8	1,459.9	1,464.6	
Oregon	1,549.7	1,550.5	1,555.7	1,556.0	1,557.4	1,559.5	1,561.1	1,565.7	1,571.2	1,573.6	1,578.7	1,580.1	1,582.9	
Pennsylvania	5,480.4	5,483.9	5,495.2	5,487.2	5,503.2	5,508.2	5,516.8	5,508.7	5,515.5	5,526.4	5,518.8	5,532.1	5,536.9	
Rhode Island	455.7	454.8	457.3	456.8	459.9	459.9	462.1	461.5	460.9	461.0	458.3	459.9	460.8	
South Carolina	1,769.0	1,775.8	1,782.6	1,786.1	1,789.2	1,793.6	1,800.0	1,803.2	1,806.0	1,812.0	1,818.8	1,821.1	1,822.3	
South Dakota	359.1	359.5	360.9	361.0	361.7	361.2	362.1	363.6	363.7	364.9	365.2	366.4	365.7	
Tennessee	2,619.5	2,626.5	2,633.0	2,641.3	2,646.5	2,657.0	2,644.4	2,650.5	2,653.9	2,655.8	2,652.4	2,652.7	2,640.5	
Texas	8,861.5	8,878.2	8,908.9	8,926.6	8,955.4	8,978.9	9,001.5	9,026.8	9,046.6	9,063.9	9,077.0	9,099.4	9,122.9	
Utah	1,015.0	1,017.2	1,020.3	1,023.3	1,024.9	1,027.9	1,032.3	1,030.6	1,034.2	1,036.9	1,037.7	1,040.1	1,041.4	
Vermont	284.6	285.6	285.7	285.9	286.0	286.8	287.0	286.1	287.1	288.6	288.9	288.8	289.6	
Virginia	3,281.1	3,289.0	3,303.0	3,313.3	3,309.3	3,321.3	3,329.0	3,337.8	3,341.7	3,348.8	3,347.2	3,358.3	3,361.8	
Washington	2,574.2	2,580.7	2,589.8	2,595.7	2,606.3	2,612.5	2,608.7	2,613.7	2,619.0	2,625.6	2,628.6	2,631.6	2,637.3	
West Virginia	714.4	713.6	727.5	717.4	717.4	718.9	721.3	722.6	722.6	724.3	726.5	728.9	726.3	
Wisconsin	2,699.3	2,709.0	2,714.7	2,717.9	2,712.1	2,722.8	2,718.3	2,720.0	2,725.1	2,731.5	2,727.9	2,730.9	2,734.8	
Wyoming	228.0	228.6	229.5	227.3	228.6	227.5	226.6	227.3	227.4	228.0	229.1	230.3	229.6	

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	1998											1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P	
	Construction													
Alabama	98.9	101.0	101.0	101.9	102.8	103.7	103.0	103.7	104.6	106.2	107.1	106.9	106.5	
Alaska	14.0	13.7	13.3	13.1	13.2	13.1	13.1	13.2	13.4	13.4	14.1	13.9	14.2	
Arizona	139.6	140.3	141.9	143.6	144.5	145.2	147.0	147.3	148.9	150.1	153.5	154.0	154.5	
Arkansas	48.0	48.1	48.0	48.0	47.7	47.6	47.6	48.1	48.4	48.4	49.3	49.5	49.2	
California	583.1	585.6	591.8	600.1	608.7	612.0	614.3	621.5	625.2	627.1	641.7	632.1	631.9	
Colorado	128.0	128.7	130.3	131.6	133.4	134.1	136.2	137.3	136.7	135.9	138.8	137.4	138.1	
Connecticut	59.2	58.4	57.9	57.7	57.6	57.8	58.3	58.4	58.8	60.5	61.0	61.1	60.9	
Delaware	22.2	22.2	22.0	22.3	22.2	22.3	22.3	21.9	22.3	22.9	23.9	24.8	24.2	
District of Columbia	9.0	9.1	9.1	9.2	9.0	9.0	9.0	8.8	8.8	8.7	8.9	8.9	8.6	
Florida	345.0	347.5	349.5	351.8	352.6	355.1	356.3	357.9	358.4	359.7	361.6	360.9	364.3	
Georgia	175.1	174.9	178.5	182.0	183.7	185.5	186.1	187.8	189.0	192.1	192.6	191.0	191.7	
Hawaii ²	21.7	21.8	21.9	21.7	21.4	21.3	21.0	20.5	20.1	20.2	20.7	20.7	20.6	
Idaho	31.8	32.0	31.9	31.9	32.7	32.8	32.9	33.4	33.8	34.1	35.3	34.1	34.1	
Illinois	230.0	236.5	236.4	235.7	240.0	239.4	239.3	240.2	240.7	241.8	243.1	243.2	241.5	
Indiana	142.8	144.2	145.4	145.4	145.2	144.7	144.4	144.9	145.3	145.9	144.4	145.5	144.1	
Iowa	61.8	61.6	61.9	62.3	63.0	62.8	62.8	62.6	62.1	62.9	63.4	64.2	62.4	
Kansas	57.9	61.3	61.6	61.8	62.3	62.2	62.0	62.6	62.5	63.8	64.8	65.1	64.1	
Kentucky	81.6	83.8	83.8	83.9	84.4	84.6	84.7	85.5	84.9	85.3	86.2	87.1	84.4	
Louisiana	126.6	128.4	129.0	128.9	130.3	129.4	128.8	129.9	130.7	130.6	131.5	131.7	133.0	
Maine	24.6	25.2	24.8	24.8	24.9	25.0	25.1	25.1	25.0	25.1	26.2	26.6	26.7	
Maryland	139.2	139.1	138.9	139.7	142.2	143.0	143.4	143.9	143.7	143.8	144.9	146.2	145.3	
Massachusetts	107.1	107.9	106.5	106.2	108.0	108.3	108.5	109.0	109.2	110.6	113.1	114.7	116.4	
Michigan	185.8	186.7	185.8	185.8	184.7	183.6	184.7	186.8	188.3	189.6	184.1	190.4	191.0	
Minnesota	99.9	101.4	101.1	100.9	101.0	101.3	101.9	103.3	104.5	106.5	107.7	109.0	108.7	
Mississippi	53.2	53.5	53.2	54.0	54.4	55.1	55.4	56.0	56.7	56.8	58.1	58.5	57.9	
Missouri	119.2	123.5	124.6	124.9	133.5	128.7	128.8	129.4	132.0	134.7	130.0	132.9	132.5	
Montana	19.0	18.9	18.9	18.8	18.8	18.7	18.5	18.5	18.6	18.9	18.9	19.3	19.4	
Nebraska	39.1	40.2	40.4	40.3	41.7	42.0	42.0	42.0	41.0	42.7	41.8	42.1	40.6	
Nevada	82.7	83.7	85.5	86.3	85.8	86.6	86.1	86.3	86.6	87.0	88.6	87.1	86.7	
New Hampshire	23.0	22.5	22.4	22.5	22.6	22.8	22.9	23.5	23.7	24.0	23.6	24.2	24.2	
New Jersey	134.8	135.0	134.3	134.6	135.1	135.2	136.0	135.4	135.6	136.7	137.4	138.2	137.8	
New Mexico	43.2	43.7	43.9	43.6	43.7	43.6	43.4	43.6	43.6	43.9	44.2	44.4	44.0	
New York	280.0	280.3	280.1	281.3	281.1	283.0	283.6	285.0	287.9	290.1	292.0	296.8	295.9	
North Carolina	207.4	212.0	214.1	215.5	218.2	216.1	215.5	217.5	218.4	219.3	220.5	220.9	219.0	
North Dakota	15.9	15.8	15.5	15.3	15.1	14.9	15.0	14.9	14.9	15.3	14.5	15.6	15.2	
Ohio	225.4	227.7	226.2	226.7	227.7	226.8	226.3	226.5	226.8	227.6	228.7	231.5	227.5	
Oklahoma	53.5	54.1	54.5	54.4	54.4	54.4	54.7	54.7	55.1	55.5	55.6	54.8	55.3	
Oregon	82.1	82.3	81.4	81.9	82.5	82.5	81.6	83.7	83.3	84.3	85.6	85.1	85.4	
Pennsylvania	217.8	218.9	218.0	219.0	219.8	220.6	220.6	220.6	222.3	224.5	222.3	230.7	229.9	
Rhode Island	15.5	15.6	15.4	15.3	15.3	15.7	15.8	15.9	15.6	15.8	15.2	15.3	15.7	
South Carolina	102.6	103.6	105.2	105.3	106.3	106.8	107.9	108.6	108.8	109.6	109.8	110.2	111.0	
South Dakota	15.6	15.9	16.3	16.1	16.1	16.0	15.9	16.2	16.2	16.4	16.4	16.6	16.6	
Tennessee	118.4	120.9	121.7	122.5	123.9	124.6	124.9	125.7	126.0	126.8	128.8	128.0	126.4	
Texas	484.5	488.5	491.7	495.0	501.6	503.1	503.0	507.1	508.2	508.8	512.5	518.0	518.4	
Utah	66.4	66.5	67.1	67.7	68.0	68.7	69.3	70.1	70.7	71.5	71.6	71.2	70.4	
Vermont	14.2	14.8	14.4	14.2	14.3	14.1	14.0	13.9	13.9	14.4	15.1	15.0	15.1	
Virginia	185.5	187.0	188.1	189.1	188.8	189.7	190.4	192.1	192.4	192.9	193.0	194.7	194.1	
Washington	140.4	140.6	141.7	141.8	142.9	143.0	142.7	143.5	144.0	145.0	146.3	146.6	147.1	
West Virginia	34.2	34.1	34.0	34.5	34.3	33.9	34.3	34.9	35.0	35.7	35.5	36.9	34.5	
Wisconsin	109.6	112.7	111.9	111.7	112.5	112.9	112.8	113.5	114.9	116.7	116.2	117.7	118.6	
Wyoming	15.8	15.9	16.3	15.8	15.9	15.7	15.5	15.6	15.7	15.9	16.6	16.7	16.5	

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	1998											1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	
	Manufacturing													
Alabama	380.1	379.9	380.4	380.1	380.6	379.6	379.6	377.6	374.4	374.9	375.5	373.1	372.9	
Alaska	14.6	14.3	14.2	13.9	14.2	14.4	14.7	15.1	15.1	13.4	15.7	15.4	14.3	
Arizona	216.6	216.4	216.8	217.3	217.0	217.4	217.8	218.1	218.2	218.6	217.4	217.5	217.8	
Arkansas	254.6	253.9	254.1	254.2	253.6	253.7	254.1	254.0	253.8	254.1	254.5	254.2	253.8	
California	1,957.8	1,959.2	1,963.3	1,963.8	1,963.6	1,964.6	1,965.6	1,965.7	1,960.6	1,959.5	1,959.0	1,952.9	1,949.6	
Colorado	209.0	208.7	208.7	208.9	208.3	207.3	206.3	206.3	206.0	205.6	206.0	206.3	206.7	
Connecticut	280.0	279.3	278.4	277.7	279.2	279.3	278.0	277.4	276.4	275.6	276.3	276.0	276.5	
Delaware	59.6	59.7	60.0	60.2	58.0	59.9	59.8	60.1	60.5	60.6	59.8	59.7	59.2	
District of Columbia	12.3	12.4	12.4	12.4	12.4	12.6	12.5	12.5	12.5	12.6	12.1	12.2	12.1	
Florida	493.0	495.7	496.1	497.2	498.9	499.1	499.6	497.8	498.0	498.5	497.5	498.0	498.2	
Georgia	592.0	591.0	592.6	593.5	589.6	595.1	594.4	595.2	595.7	597.0	596.3	596.2	595.9	
Hawaii	16.4	16.3	16.4	16.3	16.3	16.2	16.5	16.2	16.2	16.2	16.2	16.2	16.0	
Idaho	76.2	76.3	76.5	76.5	76.6	75.9	76.0	75.9	76.2	76.1	75.9	76.4	76.5	
Illinois	978.2	978.1	977.8	979.2	979.6	978.0	978.4	975.8	973.2	973.1	973.1	974.4	972.7	
Indiana	684.6	684.7	684.4	684.8	675.1	685.1	684.1	685.1	684.6	684.9	686.5	686.9	686.0	
Iowa	259.5	260.0	260.8	261.4	263.4	263.3	262.9	263.3	263.4	263.6	262.4	265.0	264.8	
Kansas	212.9	212.9	213.7	213.2	211.1	213.7	213.9	214.1	214.2	214.4	214.8	214.9	214.0	
Kentucky	319.0	321.4	322.0	321.6	321.2	321.6	321.4	322.8	321.9	321.4	321.2	320.3	320.6	
Louisiana	192.9	192.9	193.3	190.6	190.9	192.4	191.8	191.2	191.9	192.0	191.5	191.5	191.5	
Maine	87.7	87.7	87.3	87.2	86.5	86.2	86.9	85.9	85.9	85.4	86.6	86.4	85.5	
Maryland	179.3	178.3	178.6	178.7	176.4	176.1	176.7	177.2	176.6	176.7	176.5	177.0	176.8	
Massachusetts	453.3	451.8	450.8	449.5	450.1	447.1	445.3	443.4	441.5	440.2	438.4	436.4	435.7	
Michigan	973.9	974.0	973.6	969.9	915.3	972.2	971.5	970.6	966.9	966.7	962.8	957.9	964.3	
Minnesota	444.5	443.9	444.3	444.7	443.5	444.6	444.2	445.1	445.1	445.0	443.9	443.7	442.7	
Mississippi	244.3	244.7	244.9	245.2	245.5	243.7	244.4	244.9	244.3	244.9	244.3	241.4	241.1	
Missouri	419.5	421.5	422.8	423.4	415.5	423.3	423.4	421.6	419.6	420.0	420.6	417.0	416.2	
Montana	24.3	24.5	24.7	24.5	24.5	24.5	24.6	24.8	25.0	25.0	24.8	24.9	25.0	
Nebraska	119.1	120.0	119.9	119.7	119.4	118.7	118.6	118.3	117.8	118.0	118.3	117.9	117.7	
Nevada	41.6	41.5	42.0	42.3	42.5	42.4	42.5	42.5	42.5	42.4	42.1	41.9	42.2	
New Hampshire	109.6	109.2	109.0	108.7	107.7	107.2	107.3	107.3	107.3	107.3	107.1	106.8	106.3	
New Jersey	480.9	480.3	480.4	478.6	475.7	476.9	476.2	474.5	473.7	473.6	474.4	470.7	468.9	
New Mexico	46.0	45.7	45.3	45.2	44.8	44.6	44.4	44.1	44.1	44.1	44.3	44.3	44.4	
New York	921.4	918.9	917.7	917.5	906.4	918.8	917.7	916.8	914.6	915.0	915.0	912.5	909.4	
North Carolina	829.2	830.4	829.1	825.8	826.0	825.3	823.8	821.7	820.4	818.4	817.7	815.7	813.1	
North Dakota	24.2	23.9	24.0	24.1	24.0	24.1	24.1	23.8	24.2	24.3	23.9	23.7	23.7	
Ohio	1,101.3	1,101.1	1,099.2	1,096.9	1,059.4	1,095.8	1,096.0	1,097.7	1,093.8	1,091.8	1,093.6	1,088.9	1,086.5	
Oklahoma	185.7	186.1	186.1	186.9	183.7	186.3	185.9	186.2	186.3	186.1	186.7	186.2	186.7	
Oregon	247.9	247.3	247.4	245.9	244.3	243.2	242.0	241.5	241.7	241.9	242.8	242.2	241.8	
Pennsylvania	947.8	948.4	948.1	947.3	947.2	945.5	942.9	939.8	939.7	938.1	935.3	935.2	934.9	
Rhode Island	79.2	78.7	78.9	78.9	78.7	78.5	78.6	78.4	78.1	77.9	77.9	78.4	78.7	
South Carolina	363.3	364.9	364.3	363.4	364.4	362.6	364.5	363.1	363.1	363.2	363.7	362.7	361.5	
South Dakota	49.5	49.2	49.3	49.4	49.6	49.7	49.8	49.8	49.8	50.0	50.2	50.1	49.7	
Tennessee	518.5	517.5	517.5	516.6	515.3	514.0	512.3	511.2	510.0	509.7	509.8	508.1	506.5	
Texas	1,107.3	1,107.2	1,107.9	1,108.2	1,107.5	1,108.5	1,107.7	1,107.2	1,106.5	1,106.7	1,104.5	1,102.1	1,101.4	
Utah	134.2	134.3	133.8	133.7	133.9	133.6	133.6	133.2	134.1	134.1	133.6	133.6	133.7	
Vermont	47.6	48.1	48.2	48.4	48.4	48.5	48.5	48.5	48.5	48.8	48.5	48.3	48.4	
Virginia	407.3	406.6	406.1	405.2	403.4	404.7	404.6	403.3	402.5	401.9	401.8	402.3	401.7	
Washington	381.4	380.9	381.6	382.2	381.9	380.4	378.7	376.4	375.4	374.6	373.4	371.8	370.5	
West Virginia	82.8	82.3	82.9	82.6	82.7	82.2	82.0	82.2	82.2	82.1	80.5	80.9	81.9	
Wisconsin	619.0	618.1	619.0	619.0	611.3	618.4	616.5	615.4	616.1	615.8	616.5	615.0	614.4	
Wyoming	10.9	10.9	10.9	10.9	10.9	11.0	10.9	10.8	10.8	10.9	10.9	11.1	10.9	

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
Transportation and public utilities													
Alabama	92.2	92.1	92.5	92.5	92.7	92.7	92.6	92.5	92.6	92.7	93.6	93.9	93.3
Alaska	25.4	25.4	25.6	25.5	25.6	25.9	25.7	25.8	25.8	25.9	25.8	25.8	25.9
Arizona	99.2	99.7	100.1	100.6	101.0	101.4	102.8	102.8	103.2	104.0	105.0	104.6	105.3
Arkansas	67.1	67.5	67.4	67.6	68.0	68.2	68.3	69.0	69.1	69.2	68.4	68.6	68.5
California	690.7	694.6	694.8	695.0	695.0	695.0	696.2	697.3	699.2	701.8	705.6	706.9	708.4
Colorado	127.1	127.6	128.3	129.0	129.6	130.4	131.1	131.4	132.0	132.2	132.1	132.5	133.3
Connecticut	75.8	76.0	76.2	76.3	77.0	76.8	70.5	76.4	76.2	76.2	76.2	76.6	76.4
Delaware	16.1	15.9	16.0	16.0	16.1	16.3	16.5	16.5	16.8	16.9	17.3	17.3	17.3
District of Columbia	16.5	16.3	16.3	16.1	16.1	16.1	15.8	15.8	15.8	15.8	16.1	16.0	15.9
Florida	331.0	332.4	334.1	334.8	336.5	339.2	341.4	341.8	343.0	344.6	347.4	347.3	347.5
Georgia	239.6	240.8	241.6	241.1	242.8	243.6	244.3	245.2	246.2	247.2	247.7	249.8	251.1
Hawaii	41.2	41.1	41.1	41.1	41.4	41.1	41.2	40.7	40.4	40.1	40.2	40.2	40.2
Idaho	25.0	25.2	25.4	25.5	25.7	25.9	25.9	26.0	25.8	25.9	26.4	26.3	26.3
Illinois	345.4	346.2	347.4	347.4	346.4	347.6	348.0	349.4	350.4	352.0	350.8	350.4	352.1
Indiana	142.3	143.0	143.7	144.2	145.0	144.8	144.8	145.2	145.5	145.8	146.4	146.3	146.3
Iowa	68.1	68.4	68.6	68.9	69.8	69.8	70.0	70.4	70.5	70.8	70.3	70.6	71.0
Kansas	74.2	73.8	73.9	73.6	74.5	74.8	75.2	76.2	76.5	77.2	76.9	77.0	76.9
Kentucky	100.5	101.4	101.7	101.5	101.8	102.3	102.6	102.5	102.2	102.8	103.3	103.9	104.4
Louisiana	112.2	112.6	113.0	113.3	114.0	114.4	114.6	115.0	115.6	116.3	115.2	115.6	115.1
Maine	23.4	23.4	23.5	23.5	23.6	23.6	23.6	23.9	23.9	24.0	24.2	24.2	24.2
Maryland	107.7	108.1	107.9	108.2	108.8	109.7	109.5	109.8	109.9	110.0	110.8	110.6	111.1
Massachusetts	135.7	135.8	136.2	136.4	137.0	136.2	136.2	135.6	135.4	135.4	137.4	137.7	136.9
Michigan	177.9	177.6	178.0	178.4	178.1	178.1	177.8	178.4	178.5	178.2	180.4	179.1	179.9
Minnesota	127.9	128.3	128.4	128.7	128.9	128.9	116.3	129.2	129.6	130.3	130.5	130.4	130.2
Mississippi	53.8	53.9	53.8	53.8	53.8	53.9	53.7	53.8	53.0	53.5	54.1	54.3	54.4
Missouri	166.8	166.1	166.5	166.3	165.1	164.9	165.4	165.7	166.1	166.9	167.3	166.9	166.0
Montana	21.6	21.7	21.6	21.6	21.6	21.4	21.4	21.7	21.7	21.6	22.0	22.0	22.1
Nebraska	54.8	55.1	55.3	55.7	56.3	56.6	57.1	57.4	57.8	58.2	58.1	58.7	58.4
Nevada	47.7	48.0	48.0	47.9	47.8	47.9	48.0	48.2	48.2	48.3	48.7	48.7	48.8
New Hampshire	20.0	20.0	20.1	20.3	20.6	20.9	20.8	21.0	21.1	21.1	21.3	21.0	20.9
New Jersey	259.2	258.9	260.7	260.8	261.2	261.7	262.9	262.0	261.5	261.6	262.6	263.4	263.3
New Mexico	33.0	33.0	33.2	33.5	33.6	33.8	33.7	33.7	33.9	33.9	34.1	34.0	34.2
New York	410.7	411.8	412.5	412.9	412.6	412.5	413.5	413.1	412.9	412.7	415.5	415.8	414.8
North Carolina	170.8	171.2	171.2	171.9	172.2	172.6	172.8	172.8	173.7	173.3	175.2	174.9	175.1
North Dakota	18.3	18.0	18.0	17.9	17.8	17.5	17.6	17.7	17.6	17.7	17.8	17.7	17.6
Ohio	239.4	241.3	241.2	241.8	241.7	242.4	242.9	243.2	243.0	242.7	242.7	242.4	242.9
Oklahoma	81.5	81.9	82.1	82.2	82.4	82.9	82.9	83.2	83.5	83.5	84.0	84.5	84.6
Oregon	76.3	76.6	76.8	76.9	76.4	76.1	77.0	76.7	76.8	77.0	77.6	77.9	78.1
Pennsylvania	284.6	285.6	285.8	286.2	286.0	286.4	286.8	287.1	287.5	287.3	288.2	288.8	288.1
Rhode Island	16.2	15.3	16.0	16.2	16.1	16.1	16.2	16.1	16.1	16.0	16.2	16.0	16.2
South Carolina	76.5	77.0	76.7	76.8	76.8	76.8	77.3	77.5	77.6	78.0	79.0	79.6	79.4
South Dakota	16.4	16.4	16.4	16.5	16.7	16.7	16.9	16.7	16.8	16.9	16.6	16.6	16.9
Tennessee	157.0	158.4	157.8	158.6	158.9	158.3	158.6	158.6	158.2	158.2	159.9	159.7	159.2
Texas	534.7	536.6	539.4	539.6	543.2	545.9	547.5	549.1	550.5	551.6	556.2	557.4	558.9
Utah	57.7	57.8	58.3	58.3	58.6	59.1	59.2	59.3	59.3	59.5	59.5	59.8	59.8
Vermont	12.6	12.6	12.6	12.6	12.5	12.5	12.7	12.6	12.6	12.5	12.5	12.6	12.5
Virginia	170.6	172.0	173.0	173.5	173.5	173.7	173.8	174.7	174.9	175.6	176.2	176.2	175.9
Washington	134.4	135.3	135.6	135.6	136.4	137.1	137.4	137.6	138.4	138.8	138.6	139.4	139.0
West Virginia	38.7	38.7	38.7	38.8	39.0	38.9	39.3	39.4	39.3	39.2	39.4	39.6	39.6
Wisconsin	125.9	126.5	126.9	127.7	128.0	128.0	128.2	128.2	128.4	128.9	128.8	128.4	128.7
Wyoming	13.9	14.0	13.9	13.9	13.9	13.9	13.9	14.0	13.9	14.0	13.8	14.0	14.0

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	1998											1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P	
	Trade													
Alabama	432.9	436.5	438.4	440.5	444.1	444.0	442.8	443.4	443.3	444.9	446.4	448.5	451.5	
Alaska	56.9	56.9	57.0	56.9	56.9	57.0	57.4	57.0	56.6	57.3	56.9	57.2	57.7	
Arizona	494.1	493.3	496.6	500.3	500.0	502.5	503.6	504.0	504.5	506.1	509.7	510.6	513.0	
Arkansas	255.6	255.0	255.7	256.4	256.2	256.6	257.3	257.9	258.2	258.3	258.4	258.0	259.1	
California	3,096.7	3,104.0	3,112.0	3,117.4	3,127.6	3,135.5	3,138.4	3,141.4	3,148.8	3,158.5	3,154.9	3,153.5	3,158.0	
Colorado	487.6	488.4	490.5	491.8	495.7	497.2	498.9	499.3	500.1	500.8	503.4	504.3	504.4	
Connecticut	355.1	354.8	355.6	355.8	355.1	355.4	354.5	355.4	356.9	358.9	357.8	359.5	359.4	
Delaware	86.1	86.2	86.5	86.3	86.7	87.1	87.8	87.8	88.0	88.4	88.6	88.8	89.6	
District of Columbia	47.4	48.2	48.0	48.5	48.9	48.7	49.3	48.5	48.5	48.5	47.4	48.0	48.0	
Florida	1,665.8	1,671.2	1,677.3	1,683.5	1,687.0	1,693.5	1,697.2	1,699.1	1,700.5	1,702.9	1,709.0	1,707.1	1,713.1	
Georgia	927.6	922.8	928.4	930.1	931.5	932.7	935.4	934.5	935.3	936.4	935.6	940.1	947.0	
Hawaii	132.3	132.0	132.3	131.9	131.0	131.8	131.7	131.7	131.1	130.7	130.7	130.6	130.8	
Idaho	131.3	131.7	132.5	132.6	132.2	132.9	132.9	133.5	134.2	134.3	135.4	135.8	135.9	
Illinois	1,327.7	1,326.9	1,329.9	1,330.9	1,338.1	1,337.2	1,337.9	1,342.3	1,345.4	1,347.4	1,352.9	1,354.3	1,357.3	
Indiana	684.0	685.2	688.1	689.7	691.5	690.5	690.5	689.9	686.2	688.7	698.9	699.5	697.6	
Iowa	351.1	351.6	352.8	353.7	355.0	355.1	355.7	356.1	357.0	358.2	358.7	360.8	360.7	
Kansas	316.3	317.0	318.4	319.7	319.0	319.1	319.1	319.0	321.0	322.3	322.9	323.9	325.5	
Kentucky	414.4	414.8	415.8	417.2	417.7	418.2	417.6	418.7	418.8	419.8	421.2	420.7	424.8	
Louisiana	436.7	439.8	441.6	442.6	443.9	445.6	446.0	445.8	447.5	448.8	446.2	444.6	446.0	
Maine	142.0	141.7	142.5	142.9	142.2	143.0	143.9	145.2	146.2	146.1	145.2	144.9	145.8	
Maryland	540.3	538.3	538.2	538.9	540.2	539.1	538.7	538.4	539.3	537.4	540.7	540.5	542.1	
Massachusetts	715.8	716.5	718.9	717.9	723.7	724.8	726.2	725.8	728.7	727.2	722.1	728.0	731.4	
Michigan	1,061.5	1,062.8	1,066.3	1,064.5	1,066.5	1,067.7	1,071.2	1,072.3	1,075.0	1,076.1	1,079.3	1,078.4	1,081.7	
Minnesota	607.4	609.4	611.4	613.8	617.5	617.6	617.9	618.8	620.1	621.3	622.7	620.5	620.2	
Mississippi	244.1	243.9	244.5	245.0	246.0	244.9	244.4	244.9	244.0	243.6	244.0	247.3	249.0	
Missouri	630.6	628.7	631.2	632.3	634.5	635.4	636.4	636.1	635.7	638.3	637.2	640.2	639.3	
Montana	100.5	100.2	100.3	100.2	100.6	100.9	100.7	100.4	100.6	100.8	101.2	101.4	101.6	
Nebraska	209.9	210.6	211.1	212.3	213.6	213.3	214.3	214.6	214.9	214.4	212.7	211.8	211.6	
Nevada	186.4	186.9	188.5	188.8	190.2	190.5	191.1	192.1	192.3	193.6	194.5	194.7	195.5	
New Hampshire	151.9	151.6	151.9	152.1	152.4	152.5	152.7	154.3	153.9	154.9	154.2	155.0	155.2	
New Jersey	880.7	882.0	883.7	883.5	883.9	885.2	889.0	888.4	890.5	895.5	896.2	898.2	899.8	
New Mexico	169.9	170.0	170.3	170.7	170.8	170.6	171.2	171.8	172.0	172.2	171.5	172.4	172.7	
New York	1,657.3	1,652.7	1,658.7	1,659.2	1,664.5	1,665.5	1,668.9	1,671.2	1,675.3	1,678.4	1,675.8	1,676.7	1,677.5	
North Carolina	844.2	846.6	848.8	849.9	858.2	859.9	862.1	864.8	863.6	867.2	873.0	873.9	875.0	
North Dakota	81.1	80.8	80.7	80.7	81.0	81.0	81.1	81.0	80.6	80.7	81.3	81.2	81.8	
Ohio	1,319.7	1,321.4	1,323.9	1,323.8	1,326.5	1,328.0	1,328.4	1,328.6	1,332.1	1,334.8	1,332.0	1,333.9	1,337.8	
Oklahoma	329.9	331.9	332.7	332.1	331.2	331.8	331.7	332.6	333.9	334.8	334.2	335.7	337.2	
Oregon	382.1	382.9	384.2	384.4	385.0	384.2	384.7	385.6	386.5	387.7	386.6	386.5	387.7	
Pennsylvania	1,224.4	1,225.6	1,227.7	1,228.7	1,233.5	1,235.5	1,235.5	1,234.5	1,235.8	1,238.7	1,235.3	1,239.3	1,244.6	
Rhode Island	97.9	97.8	98.2	98.1	99.5	99.7	100.1	99.7	99.9	100.2	99.8	99.8	99.7	
South Carolina	425.5	426.5	428.3	429.1	430.4	431.6	433.1	435.1	437.4	440.2	438.0	440.4	439.9	
South Dakota	89.3	89.6	90.1	90.0	89.3	89.1	89.2	89.1	89.3	89.8	91.1	90.6	89.9	
Tennessee	617.6	620.2	622.6	623.8	626.1	626.0	626.8	627.8	629.4	629.8	627.0	627.7	623.1	
Texas	2,095.2	2,098.0	2,105.6	2,108.0	2,108.5	2,112.4	2,117.9	2,121.3	2,124.7	2,128.4	2,126.3	2,134.2	2,142.2	
Utah	242.4	242.7	243.1	243.8	242.9	243.4	243.3	243.2	242.6	242.8	245.4	244.9	245.8	
Vermont	65.4	65.4	65.5	65.5	65.7	65.7	65.8	65.8	66.0	66.0	64.9	65.5	65.9	
Virginia	728.3	728.8	731.4	733.5	731.7	734.8	735.3	739.5	739.1	739.9	739.9	742.4	744.3	
Washington	618.6	620.2	622.6	623.9	625.7	627.8	629.4	631.4	633.4	635.7	635.5	636.3	639.2	
West Virginia	162.5	162.2	162.6	163.8	163.1	164.2	164.2	164.6	164.5	164.4	165.6	166.8	166.8	
Wisconsin	609.1	609.6	610.9	612.3	610.2	610.7	609.6	610.5	609.6	612.1	609.6	611.5	611.5	
Wyoming	52.9	53.0	53.5	52.9	52.6	52.4	52.2	52.4	52.4	52.6	52.6	53.3	52.9	

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
	Finance, insurance, and real estate												
Alabama	87.1	87.4	87.5	87.5	87.3	87.6	87.7	87.8	87.9	88.1	88.4	88.5	88.6
Alaska	12.5	12.5	12.5	12.5	12.5	12.6	12.5	12.5	12.6	12.6	12.7	12.7	12.8
Arizona	134.1	137.3	139.1	140.4	140.9	141.4	141.5	142.1	142.6	143.4	142.8	143.5	144.9
Arkansas	45.0	45.0	44.9	45.0	45.0	45.0	45.0	44.9	45.0	45.0	45.1	45.2	45.3
California	788.4	791.4	795.4	798.5	802.0	803.6	806.0	808.3	807.6	808.2	809.1	808.7	808.0
Colorado	133.0	133.8	134.5	135.4	136.5	137.0	137.1	137.1	137.1	137.8	138.3	138.3	138.2
Connecticut	134.1	134.0	134.3	134.8	137.2	137.5	137.5	137.6	137.8	138.5	138.8	138.8	138.8
Delaware	48.4	47.7	48.1	48.7	48.8	48.9	49.1	48.9	49.2	49.6	50.1	50.0	50.1
District of Columbia	28.9	28.9	29.0	29.1	29.1	29.2	28.9	28.9	29.0	29.1	29.0	29.0	29.2
Florida	422.9	426.2	428.6	430.8	431.5	433.6	435.2	436.4	437.7	438.9	439.2	439.0	441.4
Georgia	196.4	197.6	198.5	199.3	200.6	201.5	202.1	202.4	203.0	203.9	204.9	206.0	206.8
Hawaii	35.5	35.5	35.5	35.6	35.6	35.5	35.5	35.6	35.3	35.2	35.3	35.2	34.9
Idaho	22.5	22.5	22.4	22.6	22.9	23.0	23.1	23.2	23.2	23.3	23.7	23.5	23.8
Illinois	403.1	405.1	402.9	403.9	404.9	406.5	406.6	406.7	406.6	408.0	408.8	407.9	408.6
Indiana	139.8	140.0	140.2	140.4	141.2	141.8	142.4	143.3	143.6	144.0	146.2	146.5	146.5
Iowa	81.9	82.3	82.5	83.0	83.5	83.6	83.9	84.3	84.2	84.1	83.5	83.9	84.0
Kansas	61.3	61.5	61.7	61.9	62.2	62.2	62.3	62.4	62.6	62.7	62.9	63.0	63.0
Kentucky	69.7	69.6	69.8	69.9	70.1	70.1	70.2	70.3	70.4	70.5	70.9	71.0	70.9
Louisiana	86.5	86.5	86.7	86.7	87.1	87.1	87.1	86.8	86.8	87.0	86.5	86.6	86.7
Maine	29.4	29.6	29.6	29.8	30.0	29.7	29.7	30.0	30.2	30.3	30.7	30.8	30.7
Maryland	133.4	133.5	133.9	134.2	135.0	135.3	135.5	133.3	134.5	134.9	136.3	137.1	137.1
Massachusetts	214.7	215.7	216.1	216.2	217.4	217.6	218.3	218.6	219.2	220.0	219.3	220.2	220.7
Michigan	210.1	210.1	209.9	209.4	209.3	208.7	209.2	209.3	209.5	209.1	210.0	209.0	209.0
Minnesota	153.4	154.5	155.1	155.9	157.3	157.9	158.2	158.7	159.5	160.0	159.3	159.3	159.4
Mississippi	42.6	42.6	42.4	42.3	42.2	42.3	42.3	42.3	42.3	42.2	42.7	42.6	42.2
Missouri	160.1	159.5	160.8	161.6	161.3	162.0	163.1	163.8	164.4	164.9	165.1	165.4	165.2
Montana	16.8	16.9	16.9	16.9	17.0	17.1	17.3	17.2	17.3	17.3	17.4	17.4	17.3
Nebraska	56.4	57.2	57.0	57.4	57.9	58.1	58.1	58.2	58.5	58.6	58.7	58.8	58.9
Nevada	42.5	42.6	43.0	43.2	43.5	43.6	44.0	44.2	44.7	44.8	44.9	45.1	45.2
New Hampshire	31.0	31.1	31.1	31.3	31.3	31.3	31.4	31.3	31.5	31.5	31.4	31.5	31.6
New Jersey	245.3	247.1	247.9	248.1	247.4	248.5	249.2	249.9	249.8	250.7	253.1	254.1	254.8
New Mexico	31.7	31.7	31.8	31.9	31.9	31.8	32.0	32.1	32.1	32.2	32.1	32.3	32.2
New York	731.6	732.4	734.2	736.3	735.9	737.3	737.7	739.2	739.7	742.0	740.8	740.1	739.8
North Carolina	175.0	175.5	176.8	177.5	178.8	180.2	181.6	181.8	182.6	183.1	182.8	183.4	183.3
North Dakota	15.5	15.7	15.7	15.7	15.6	15.6	15.5	15.8	15.9	16.0	16.1	15.9	15.8
Ohio	296.4	297.6	298.8	298.8	299.1	299.9	300.1	301.4	301.7	301.9	303.0	302.9	303.6
Oklahoma	72.0	72.5	72.8	73.0	73.2	73.6	74.0	74.5	74.6	74.8	75.4	75.5	75.5
Oregon	94.7	94.8	94.9	95.2	95.4	95.5	95.7	95.6	95.4	95.5	96.1	96.6	96.9
Pennsylvania	317.1	317.3	317.6	317.6	318.6	319.3	319.2	319.4	319.7	320.0	320.0	321.1	320.6
Rhode Island	27.6	27.7	28.3	28.5	28.7	28.9	29.0	29.3	29.4	29.3	29.0	29.1	29.4
South Carolina	78.5	79.1	79.8	79.9	80.0	80.5	80.8	81.1	81.2	81.7	82.1	82.3	82.6
South Dakota	21.8	21.9	22.1	22.3	22.4	22.5	23.0	23.0	23.2	23.3	23.3	23.3	23.6
Tennessee	123.6	124.6	125.2	125.4	125.9	126.1	126.9	127.1	127.3	127.1	127.4	127.4	126.3
Texas	487.6	490.6	492.7	494.3	497.5	499.3	500.8	502.9	504.6	507.1	509.3	510.2	511.1
Utah	54.0	54.4	54.8	55.2	55.6	56.2	56.3	56.6	56.5	56.3	56.4	56.8	57.0
Vermont	12.2	12.2	12.2	12.2	12.2	12.3	12.3	12.4	12.5	12.6	12.7	12.7	12.7
Virginia	172.9	173.8	175.1	175.5	175.8	176.2	176.8	177.4	177.6	177.1	177.7	179.0	179.7
Washington	132.5	133.3	133.9	134.6	135.7	136.6	136.7	137.2	137.5	138.2	139.3	139.0	139.5
West Virginia	28.5	28.5	28.5	28.4	28.6	28.6	28.7	28.9	28.9	29.0	29.7	29.7	29.6
Wisconsin	142.1	142.8	143.1	143.5	144.0	144.3	144.5	144.9	145.4	145.8	146.3	146.6	147.0
Wyoming	8.6	8.5	8.7	8.6	8.6	8.6	8.7	8.6	8.7	8.6	8.7	8.7	8.7

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	1998											1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	
	Services													
Alabama	441.9	444.9	447.1	451.0	452.2	453.7	453.0	452.6	454.7	456.2	457.0	458.5	457.2	
Alaska	67.7	68.1	68.4	68.7	68.7	68.8	68.8	69.4	69.3	69.4	69.5	69.2	69.2	
Arizona	612.6	618.3	623.1	627.6	630.9	634.5	637.1	637.5	640.7	643.4	632.0	633.3	636.7	
Arkansas	260.6	261.2	261.6	262.0	263.8	264.0	263.8	265.7	266.4	267.0	266.3	267.1	267.2	
California	4,156.6	4,174.2	4,187.3	4,194.9	4,228.5	4,245.7	4,260.7	4,273.4	4,289.9	4,304.2	4,334.1	4,352.0	4,364.6	
Colorado	615.1	609.2	618.2	618.3	621.9	623.0	623.5	625.4	625.5	626.9	629.1	627.5	629.8	
Connecticut	507.2	509.0	511.2	513.5	514.7	515.4	515.7	516.3	517.0	520.1	520.0	521.4	520.6	
Delaware	110.1	110.5	111.0	111.0	112.2	112.6	112.1	112.5	112.9	113.2	113.4	113.4	112.9	
District of Columbia	273.2	272.1	273.3	275.2	274.4	274.6	275.5	275.0	275.8	275.6	275.6	275.4	276.0	
Florida	2,362.9	2,374.0	2,396.9	2,416.1	2,428.2	2,440.2	2,455.5	2,457.5	2,464.6	2,475.3	2,484.8	2,498.7	2,497.5	
Georgia	984.4	984.4	991.0	996.0	1,000.6	1,006.2	1,007.8	1,011.8	1,017.6	1,022.1	1,024.4	1,031.1	1,036.5	
Hawaii	170.2	171.8	172.0	172.5	171.9	172.7	172.5	173.4	173.1	172.9	172.6	173.6	174.0	
Idaho	125.5	126.0	126.3	125.6	125.5	126.9	126.4	127.4	127.3	131.8	133.7	133.4	133.4	
Illinois	1,745.0	1,751.9	1,762.1	1,764.2	1,775.9	1,777.7	1,778.1	1,787.3	1,794.1	1,801.4	1,790.9	1,793.9	1,794.3	
Indiana	700.6	703.2	706.5	710.8	714.2	714.6	718.8	715.6	715.6	718.6	708.9	714.9	720.5	
Iowa	373.4	375.4	377.2	379.0	384.4	382.3	382.0	384.2	385.0	386.7	381.3	383.1	384.6	
Kansas	329.1	330.3	331.7	335.1	335.2	335.3	336.0	337.4	340.3	340.8	342.0	341.9	341.9	
Kentucky	438.3	439.6	440.9	443.2	444.5	445.1	445.3	445.8	447.1	447.7	450.7	452.2	452.1	
Louisiana	502.3	506.5	507.1	509.5	513.7	512.1	514.0	514.4	516.4	519.2	517.2	517.9	518.9	
Maine	164.4	165.5	165.8	166.9	169.0	169.1	170.4	171.4	171.9	172.5	172.1	172.7	173.3	
Maryland	778.8	776.8	779.1	783.3	790.4	792.7	794.1	798.5	800.4	802.9	804.0	808.3	808.1	
Massachusetts	1,126.3	1,127.9	1,130.1	1,133.9	1,134.5	1,137.1	1,138.4	1,141.7	1,143.5	1,147.2	1,146.0	1,149.2	1,151.9	
Michigan	1,235.1	1,232.0	1,237.2	1,241.4	1,243.1	1,247.8	1,250.5	1,254.9	1,257.4	1,259.6	1,258.2	1,256.7	1,259.7	
Minnesota	720.2	723.7	726.7	729.5	729.9	731.4	731.7	732.9	735.0	736.3	736.3	733.5	734.2	
Mississippi	261.1	263.7	263.5	263.8	263.8	264.0	262.5	261.1	261.9	262.2	261.4	259.9	259.3	
Missouri	749.8	754.7	758.7	758.6	759.7	759.5	758.5	763.4	767.0	766.9	767.5	761.0	759.8	
Montana	105.4	106.1	106.8	106.7	107.6	108.1	108.3	108.2	108.5	108.6	109.2	109.4	109.8	
Nebraska	232.9	236.3	236.3	237.2	240.6	240.6	239.5	240.7	241.6	243.2	240.0	239.3	238.5	
Nevada	385.4	387.7	388.9	390.3	392.7	394.6	395.7	403.6	403.1	403.6	403.0	404.1	405.3	
New Hampshire	171.6	171.7	171.8	171.8	172.1	172.6	172.9	173.2	173.7	173.4	176.2	176.9	178.2	
New Jersey	1,204.5	1,213.3	1,218.3	1,220.2	1,227.6	1,231.2	1,233.2	1,234.7	1,238.1	1,242.3	1,236.7	1,244.4	1,250.3	
New Mexico	200.3	201.9	202.3	202.6	203.3	204.6	205.6	206.6	207.7	207.9	207.1	207.8	208.9	
New York	2,765.7	2,775.8	2,791.1	2,797.4	2,806.8	2,814.0	2,817.5	2,828.1	2,837.2	2,848.5	2,848.4	2,857.3	2,866.3	
North Carolina	913.6	919.1	926.1	931.5	939.9	938.6	944.6	946.9	951.1	956.7	960.9	960.5	959.7	
North Dakota	89.5	89.7	89.8	89.7	89.6	89.5	89.7	89.9	89.9	90.6	90.6	90.4	90.5	
Ohio	1,502.4	1,506.4	1,510.3	1,515.2	1,512.3	1,513.7	1,516.1	1,521.6	1,521.9	1,522.5	1,518.6	1,520.2	1,521.7	
Oklahoma	398.3	401.6	404.7	405.0	406.0	406.9	407.2	407.4	408.1	409.1	411.1	413.6	415.6	
Oregon	412.7	412.8	415.0	414.9	416.7	420.2	421.3	423.2	424.8	425.9	428.4	430.0	430.7	
Pennsylvania	1,760.7	1,765.4	1,773.3	1,777.2	1,782.3	1,784.4	1,784.5	1,784.4	1,785.2	1,789.9	1,787.2	1,788.4	1,790.1	
Rhode Island	156.1	157.1	157.5	156.7	157.7	157.7	158.3	158.4	158.0	157.9	156.2	158.1	158.0	
South Carolina	413.6	416.2	418.7	419.4	420.5	422.2	423.4	424.3	426.0	427.2	431.6	431.9	434.0	
South Dakota	93.9	94.2	94.4	94.2	94.4	94.5	94.3	95.8	95.6	95.9	94.9	95.9	95.7	
Tennessee	698.8	698.6	701.4	706.2	707.7	708.3	707.1	711.9	714.2	715.9	712.9	713.7	711.8	
Texas	2,481.1	2,488.6	2,500.4	2,510.1	2,523.9	2,532.8	2,540.6	2,549.7	2,559.7	2,569.3	2,577.0	2,583.3	2,593.8	
Utah	276.5	278.3	279.3	280.2	280.4	281.4	281.8	282.6	284.2	285.2	287.3	288.9	289.5	
Vermont	86.0	86.0	86.5	86.5	86.6	86.9	86.7	85.9	86.6	87.2	87.9	87.8	87.9	
Virginia	1,006.1	1,011.9	1,019.9	1,024.6	1,023.1	1,028.7	1,033.3	1,036.7	1,042.1	1,045.7	1,045.2	1,048.3	1,051.1	
Washington	701.2	703.0	707.2	708.5	711.3	714.7	715.3	718.2	720.7	723.2	721.1	725.4	727.1	
West Virginia	204.8	205.1	205.8	206.8	208.5	208.5	209.8	209.8	210.2	211.1	212.1	212.5	211.5	
Wisconsin	701.1	705.3	707.1	708.3	709.7	711.2	711.0	711.3	712.5	713.2	710.3	712.7	715.5	
Wyoming	50.2	50.7	50.6	50.3	50.5	50.5	50.4	50.7	51.0	51.2	51.6	51.5	51.7	

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	1998											1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	
	Government													
Alabama	347.6	346.6	346.5	347.2	346.5	346.7	347.8	348.0	348.6	349.4	348.7	349.8	350.0	
Alaska	73.4	73.4	73.5	73.5	73.7	73.3	73.8	73.3	73.3	73.5	73.4	73.6	73.2	
Arizona	340.1	337.3	339.6	337.4	337.6	335.8	337.1	336.8	342.7	339.6	341.5	341.3	341.4	
Arkansas	184.5	184.5	185.0	185.5	186.7	186.3	186.1	187.0	187.9	186.2	186.2	186.2	186.3	
California	2,149.3	2,151.8	2,155.4	2,159.4	2,155.6	2,166.8	2,173.6	2,184.7	2,192.9	2,199.0	2,198.8	2,203.6	2,207.5	
Colorado	319.6	319.8	320.8	321.4	323.4	321.7	322.8	322.8	323.3	323.2	323.9	325.0	325.9	
Connecticut	226.2	226.2	226.4	226.8	227.8	228.4	230.5	229.1	228.6	229.7	229.6	229.2	230.1	
Delaware	53.9	53.9	54.2	54.0	54.4	54.1	54.0	54.0	54.1	54.4	54.9	54.7	55.0	
District of Columbia	227.3	227.2	227.0	226.3	220.8	228.2	226.7	225.7	225.9	225.0	225.9	225.7	225.2	
Florida	952.9	952.9	954.8	954.9	957.0	955.7	959.9	960.5	964.0	964.6	963.3	967.3	968.6	
Georgia	583.2	583.6	583.5	583.5	584.9	589.0	596.9	588.1	588.2	589.7	591.3	591.5	592.7	
Hawaii	111.4	111.5	111.2	111.2	111.7	112.6	117.8	112.6	112.1	111.9	110.8	111.0	111.1	
Idaho	103.2	102.2	102.2	102.8	102.5	102.8	102.6	103.5	103.6	104.3	103.5	104.7	104.7	
Illinois	811.5	809.7	811.3	814.0	822.4	824.2	822.3	816.6	816.5	812.8	813.7	808.2	808.9	
Indiana	396.5	398.3	399.1	398.9	387.4	398.2	405.8	403.0	403.8	406.0	402.1	407.6	410.2	
Iowa	235.1	235.1	235.3	234.9	235.9	235.0	237.5	236.9	236.3	238.2	237.9	237.3	236.3	
Kansas	238.5	239.5	241.3	241.3	240.4	242.3	240.8	243.8	244.4	242.4	242.5	242.0	242.2	
Kentucky	292.5	293.0	292.1	293.9	294.3	296.5	295.6	294.9	294.8	294.7	296.6	296.1	296.1	
Louisiana	366.7	366.7	367.1	366.5	367.0	366.5	368.4	368.3	368.0	368.1	367.0	366.8	366.3	
Maine	93.9	94.1	93.5	94.6	93.7	93.5	93.3	93.1	92.9	93.6	93.5	94.2	94.5	
Maryland	430.4	430.3	432.0	431.5	435.3	437.0	440.5	440.1	440.9	439.3	440.8	440.2	440.4	
Massachusetts	408.8	409.7	410.7	410.7	411.5	413.4	413.7	414.5	414.8	416.6	416.3	416.3	416.7	
Michigan	649.6	656.8	657.9	663.5	662.0	659.7	662.5	660.0	660.5	660.0	659.2	658.3	658.5	
Minnesota	381.5	381.8	382.2	382.4	377.0	379.0	381.1	382.4	382.9	384.8	384.6	385.2	386.4	
Mississippi	220.5	221.5	221.9	222.1	229.3	224.0	224.1	225.1	225.2	225.5	225.1	225.3	225.9	
Missouri	414.8	415.0	418.2	422.2	414.0	414.4	418.1	417.9	418.8	420.9	419.0	418.0	420.6	
Montana	78.1	78.2	78.3	78.2	79.3	79.9	79.2	79.3	79.5	79.4	79.4	78.4	79.5	
Nebraska	152.2	151.7	151.3	151.3	152.2	149.7	150.5	150.3	149.8	150.4	149.8	149.8	149.4	
Nevada	109.6	110.5	110.0	111.2	112.0	113.1	113.5	113.2	113.5	113.9	114.9	115.0	114.7	
New Hampshire	79.5	79.4	79.7	79.7	79.3	78.9	79.3	79.6	79.5	78.9	79.5	79.9	79.8	
New Jersey	572.6	571.1	570.6	568.6	568.0	568.0	572.4	570.3	569.9	570.8	570.3	569.2	569.7	
New Mexico	179.9	178.3	177.9	177.6	178.4	178.7	177.2	177.4	177.5	177.5	179.1	177.6	179.2	
New York	1,422.1	1,421.7	1,423.9	1,421.9	1,402.1	1,404.0	1,414.9	1,417.4	1,417.0	1,420.3	1,411.2	1,424.2	1,425.1	
North Carolina	586.0	588.4	587.2	581.9	600.5	620.2	601.8	601.5	600.7	601.2	597.5	597.1	598.2	
North Dakota	71.9	71.9	71.9	68.5	69.0	68.3	70.1	70.0	70.4	70.6	71.7	71.1	71.0	
Ohio	759.5	760.3	762.2	762.6	765.2	765.6	766.1	765.0	765.8	766.9	757.7	766.2	767.3	
Oklahoma	276.8	277.0	277.5	277.6	278.0	279.4	278.8	279.5	278.9	279.3	278.0	279.1	279.2	
Oregon	252.1	252.0	254.3	255.0	255.3	256.0	257.0	257.6	260.9	259.5	259.8	260.0	260.5	
Pennsylvania	707.1	701.8	704.0	690.4	694.9	695.7	706.4	701.9	704.3	707.0	709.8	707.6	708.1	
Rhode Island	63.0	62.4	62.8	62.9	63.7	63.1	63.9	63.5	63.6	63.7	63.9	63.1	62.9	
South Carolina	307.2	306.7	307.8	310.4	309.0	311.3	311.2	311.7	310.1	310.3	312.8	312.2	312.1	
South Dakota	70.7	70.6	70.6	70.9	71.5	71.1	71.4	71.3	71.2	71.0	71.1	71.5	71.7	
Tennessee	381.3	382.0	382.5	384.0	384.5	395.4	383.6	383.9	384.6	384.1	382.4	383.9	383.0	
Texas	1,500.8	1,500.0	1,502.7	1,503.2	1,506.5	1,510.9	1,519.0	1,525.8	1,529.9	1,529.9	1,531.6	1,534.7	1,538.2	
Utah	175.5	174.9	175.8	176.4	177.4	177.5	180.9	177.9	179.1	179.9	176.2	177.1	177.5	
Vermont	46.0	45.9	45.8	45.9	45.7	46.2	46.4	46.5	46.4	46.5	46.9	46.5	46.7	
Virginia	599.6	598.3	598.9	601.5	602.5	603.0	604.2	603.5	602.5	605.0	602.9	605.2	604.7	
Washington	462.3	464.1	463.9	465.8	469.0	469.5	465.2	466.0	466.2	466.8	470.9	469.6	471.5	
West Virginia	138.9	138.7	151.1	138.8	138.3	140.7	141.2	140.0	139.7	140.0	141.2	140.1	140.3	
Wisconsin	389.8	391.1	393.0	392.6	393.7	394.6	393.1	393.5	395.5	396.3	397.6	396.3	396.4	
Wyoming	58.2	58.4	58.5	57.9	59.4	58.7	58.4	58.6	58.3	58.2	58.0	58.1	58.1	

¹ Includes mining, not shown separately.
² Mining is combined with construction.
P = preliminary.

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

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

Industry	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	34.5	34.7	34.6	34.6	34.6	34.4	34.6	34.5	34.6	34.5	34.6	34.4	34.5
Goods-producing	40.8	41.1	41.0	41.1	41.1	40.8	41.1	41.0	41.2	41.1	41.0	40.7	40.9
Mining	44.1	44.6	43.8	44.8	43.8	43.2	43.8	43.5	43.4	42.7	43.0	42.9	43.8
Construction	38.7	38.6	38.4	39.2	39.1	38.4	39.1	38.8	39.5	39.7	39.3	38.3	38.6
Manufacturing	41.4	41.8	41.8	41.7	41.7	41.6	41.7	41.7	41.7	41.6	41.6	41.5	41.7
<i>Overtime hours</i>	4.5	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.6	4.5	4.5	4.4
Durable goods	41.9	42.4	42.3	42.2	42.3	42.2	42.3	42.3	42.3	42.1	42.2	42.0	42.2
<i>Overtime hours</i>	4.6	4.8	4.8	4.8	4.8	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.5
Lumber and wood products	41.2	41.2	41.3	41.2	41.2	40.6	41.1	41.2	41.6	41.8	41.0	41.3	41.2
Furniture and fixtures	40.7	40.7	41.0	40.7	40.7	40.1	40.4	40.1	40.2	40.5	40.3	40.3	40.6
Stone, clay, and glass products	43.3	43.5	43.2	43.5	43.6	43.3	43.4	43.5	43.8	44.0	43.4	42.8	43.2
Primary metal industries	43.9	44.5	44.4	43.6	44.1	43.7	43.7	43.9	43.7	43.7	43.7	43.8	43.8
Blast furnaces and basic steel products	44.9	45.6	45.1	43.8	44.5	44.2	43.9	43.7	43.2	43.9	43.8	44.0	44.1
Fabricated metal products	41.8	42.6	42.5	42.4	42.3	42.3	42.3	42.1	42.2	41.9	42.1	42.0	42.1
Industrial machinery and equipment	42.6	43.0	43.2	43.0	43.1	42.7	42.7	42.4	42.1	42.1	42.1	41.9	42.0
Electronic and other electrical equipment	41.1	41.4	41.4	41.3	41.7	41.5	41.5	41.4	41.1	41.1	41.3	40.9	41.2
Transportation equipment	42.1	43.3	42.7	42.6	42.6	43.7	43.7	44.1	44.6	43.3	44.1	43.8	44.0
Motor vehicles and equipment	42.0	43.3	42.4	41.7	42.3	44.3	43.8	44.7	45.2	44.1	45.3	44.8	45.4
Instruments and related products	41.3	41.4	41.3	41.3	41.4	41.0	41.1	41.0	41.0	41.2	41.4	41.3	41.6
Miscellaneous manufacturing	40.1	40.0	40.0	40.0	40.1	39.6	39.7	39.3	39.4	39.5	39.7	39.8	39.6
Nondurable goods	40.7	41.0	40.9	41.0	40.9	40.8	40.9	40.8	40.9	40.8	40.8	40.8	40.9
<i>Overtime hours</i>	4.2	4.4	4.4	4.4	4.3	4.3	4.3	4.4	4.3	4.4	4.4	4.4	4.3
Food and kindred products	41.3	41.8	41.7	42.0	41.5	41.7	41.5	41.7	42.0	42.0	41.8	41.7	41.8
Tobacco products	38.2	39.3	39.0	40.6	39.6	37.7	38.5	38.3	36.3	38.0	38.2	39.0	38.1
Textile mill products	41.0	41.3	41.1	41.0	41.0	40.4	41.1	40.7	40.9	40.9	40.6	40.4	40.9
Apparel and other textile products	37.7	37.4	37.4	37.4	37.5	37.3	37.3	37.3	37.3	36.9	37.6	37.4	37.5
Paper and allied products	43.0	43.5	43.6	43.5	43.3	43.6	43.5	43.5	43.4	43.4	43.4	43.7	43.6
Printing and publishing	38.2	38.4	38.2	38.4	38.5	38.1	38.2	38.2	38.1	38.3	38.0	37.9	38.1
Chemicals and allied products	43.1	43.1	43.2	43.0	43.3	43.2	43.3	43.0	42.6	42.8	42.8	42.9	42.9
Petroleum and coal products	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Rubber and misc. plastics products	41.7	42.1	42.0	42.1	41.6	41.7	41.8	41.6	41.7	41.3	41.6	41.8	41.6
Leather and leather products	37.3	37.3	37.6	37.0	38.1	37.4	37.4	37.6	37.5	37.1	37.9	37.5	37.8
Service-producing	32.9	33.0	32.9	32.9	32.9	32.8	32.9	32.9	32.9	32.9	33.0	32.8	32.9
Transportation and public utilities	39.6	39.8	39.5	39.6	39.3	39.3	39.3	39.3	39.1	39.5	39.2	39.2	39.0
Wholesale trade	38.3	38.5	38.2	38.3	38.4	38.2	38.3	38.5	38.4	38.4	38.5	38.5	38.5
Retail trade	29.0	29.1	29.0	29.1	29.0	29.0	29.1	29.0	29.0	29.0	29.2	29.0	29.1
Finance, insurance, and real estate	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Services	32.6	32.7	32.7	32.7	32.7	32.5	32.7	32.6	32.7	32.6	32.7	32.6	32.6

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

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

components, cannot be separated with sufficient precision.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

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

(1982=100)

Industry	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Total private	144.0	144.9	144.8	145.2	145.3	144.9	145.8	145.7	146.4	146.4	147.2	146.4	146.8
Goods-producing	114.9	115.3	114.9	114.2	114.7	114.1	114.6	114.1	115.3	114.8	115.1	113.4	113.7
Mining	55.4	56.0	54.7	55.5	54.0	53.1	53.5	52.6	52.4	50.1	49.4	49.1	49.6
Construction	161.5	160.5	160.5	164.6	164.3	160.9	164.8	164.4	171.1	171.3	174.3	166.3	167.6
Manufacturing	108.7	109.4	109.0	107.2	108.0	108.0	107.8	107.3	107.4	106.8	106.6	106.2	106.3
Durable goods	112.2	113.1	112.7	109.9	111.8	111.7	111.6	110.9	111.0	110.1	110.1	109.7	109.8
Lumber and wood products	143.8	143.8	143.7	144.0	143.8	141.9	143.9	144.6	146.9	148.3	145.9	147.0	146.2
Furniture and fixtures	133.7	134.0	134.4	134.3	133.7	131.4	132.4	131.4	133.0	134.0	133.3	133.7	134.7
Stone, clay, and glass products	114.1	114.7	114.4	115.2	116.0	115.4	115.7	116.8	118.4	118.1	117.3	114.9	116.5
Primary metal industries	93.7	94.6	94.4	91.1	93.3	92.3	91.6	90.9	90.4	89.8	89.8	89.8	89.7
Blast furnaces and basic steel products	73.4	74.5	73.7	71.2	71.9	71.0	70.1	68.6	68.2	68.6	68.4	68.7	68.9
Fabricated metal products	117.5	119.2	118.4	117.0	117.5	117.7	117.5	116.6	116.8	116.2	116.2	115.9	116.0
Industrial machinery and equipment	109.1	110.1	110.9	109.8	110.0	108.7	108.4	106.9	105.7	104.6	104.5	103.5	103.5
Electronic and other electrical equipment	110.1	110.7	110.3	108.7	109.1	108.9	108.0	106.6	105.5	105.1	105.1	104.8	105.5
Transportation equipment	124.6	127.0	124.7	112.2	122.8	126.5	127.1	126.9	128.0	123.8	125.1	124.7	124.3
Motor vehicles and equipment	158.9	161.8	157.2	129.0	153.5	161.9	161.1	162.2	164.1	159.6	162.4	162.2	164.8
Instruments and related products	76.6	76.6	76.1	76.1	75.9	75.2	75.0	74.5	74.2	74.7	74.9	74.7	74.9
Miscellaneous manufacturing	103.4	102.0	101.6	102.0	101.5	100.3	98.6	96.9	97.5	97.0	97.9	98.1	98.4
Nondurable goods	104.0	104.4	104.0	103.5	102.8	103.0	102.6	102.3	102.4	102.3	101.9	101.5	101.5
Food and kindred products	118.3	119.9	119.3	118.9	116.8	118.9	118.2	119.5	121.0	121.5	120.8	120.3	120.0
Tobacco products	62.5	62.3	59.9	60.3	58.8	57.9	59.1	58.8	53.9	58.3	56.8	56.0	52.8
Textile mill products	87.4	87.7	86.9	85.7	85.0	84.3	85.2	83.4	83.4	83.1	81.6	81.1	81.4
Apparel and other textile products	70.0	68.8	68.5	68.3	67.5	67.0	65.2	64.3	64.2	62.9	63.0	62.2	62.1
Paper and allied products	109.9	110.7	110.5	109.4	109.1	109.9	109.2	108.6	108.1	107.9	107.7	108.0	108.0
Printing and publishing	124.7	125.6	125.0	125.4	125.4	124.1	124.5	123.9	123.0	123.9	122.5	121.7	121.9
Chemicals and allied products	102.7	102.8	103.1	102.6	102.8	102.7	102.8	102.1	101.3	101.6	101.4	101.3	101.7
Petroleum and coal products	73.1	73.9	73.1	75.5	73.8	73.9	73.6	74.1	77.5	72.4	74.3	75.3	72.9
Rubber and misc. plastics products	148.1	148.9	148.4	147.0	146.6	147.3	147.1	146.8	147.5	147.0	148.1	148.4	148.9
Leather and leather products	36.7	36.1	35.8	34.7	35.1	33.9	33.9	34.1	33.4	32.5	32.6	31.7	31.4
Service-producing	157.0	158.2	158.2	159.1	159.0	158.7	159.7	159.9	160.3	160.6	161.6	161.2	161.7
Transportation and public utilities	130.2	131.5	130.5	131.4	131.2	131.2	131.6	131.8	131.6	133.5	132.8	132.6	132.3
Wholesale trade	127.9	128.8	127.9	128.6	129.0	128.7	129.1	130.0	129.9	130.3	130.9	131.0	131.1
Retail trade	139.8	141.1	140.7	141.9	141.3	141.5	142.0	141.9	142.1	142.5	144.2	143.2	144.0
Finance, insurance, and real estate	134.2	134.9	134.8	136.1	136.2	135.6	136.6	137.4	137.3	137.5	137.9	138.0	137.7
Services	192.3	193.7	194.5	195.2	195.2	194.6	196.4	196.3	197.4	197.0	198.3	198.1	198.8

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

^P = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	Feb. 1999 ^r	March 1999 ^r	April 1999 ^P	April 1998 to April 1999 ^P	Feb. 1999 to March 1999 ^r	March 1999 To April 1999 ^P
Total	234,492	233,588	234,751	2.4	-0.4	0.5
Private sector	196,486	195,425	196,323	2.1	-.5	.5
Mining	1,203	1,191	1,205	-9.6	-1.0	1.2
Construction	12,770	12,340	12,453	4.4	-3.4	.9
Manufacturing	40,035	39,911	39,922	-1.8	-.3	.0
Durable goods	23,997	23,907	23,924	-1.9	-.4	.1
Nondurable goods	16,037	16,004	15,997	-1.7	-.2	.0
Transportation and public utilities	13,618	13,618	13,650	1.7	.0	.2
Wholesale trade	13,848	13,860	13,882	2.5	.1	.2
Retail trade	34,703	34,429	34,648	2.9	-.8	.6
Finance, insurance, and real estate	14,183	14,164	14,189	3.1	-.1	.2
Services	66,127	65,913	66,375	3.9	-.3	.7
Government	38,006	38,163	38,429	3.8	.4	.7

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

^P = preliminary.

^r = 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 2490, chapter 10, "Productivity Measures: Business Sector and Major Subsectors".

SOURCE: Office of Productivity and Technology (202—606-5606). Historical data for this series also are available on the Internet at the following address:

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

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

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

Industry	1998									1999			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P	Apr. ^P
Average hourly earnings													
Total private (in current dollars)	\$12.70	\$12.73	\$12.76	\$12.79	\$12.85	\$12.87	\$12.90	\$12.94	\$12.98	\$13.03	\$13.05	\$13.08	\$13.11
Goods-producing	14.25	14.27	14.28	14.31	14.39	14.39	14.43	14.46	14.50	14.51	14.54	14.59	14.66
Mining	16.72	16.77	16.73	16.88	17.10	17.15	17.20	17.37	17.26	17.09	16.98	17.04	16.93
Construction	16.45	16.46	16.51	16.64	16.67	16.57	16.69	16.75	16.82	16.74	16.76	16.89	16.94
Manufacturing	13.44	13.47	13.47	13.42	13.52	13.57	13.57	13.58	13.58	13.63	13.66	13.71	13.78
Excluding overtime ²	12.76	12.78	12.76	12.71	12.81	12.90	12.88	12.89	12.89	12.93	12.97	12.99	13.03
Service-producing	12.19	12.23	12.26	12.30	12.35	12.38	12.41	12.45	12.49	12.56	12.57	12.60	12.62
Transportation and public utilities	15.32	15.31	15.29	15.33	15.35	15.42	15.42	15.45	15.53	15.55	15.55	15.56	15.66
Wholesale trade	13.88	14.00	13.98	14.07	14.16	14.14	14.19	14.23	14.26	14.35	14.30	14.30	14.17
Retail trade	8.70	8.72	8.73	8.78	8.83	8.86	8.85	8.85	8.91	8.96	8.97	8.95	8.95
Finance, insurance, and real estate	14.00	14.03	14.07	14.10	14.16	14.17	14.24	14.35	14.43	14.49	14.50	14.52	14.61
Services	12.76	12.81	12.87	12.90	12.95	12.99	13.03	13.06	13.09	13.18	13.22	13.27	13.32
Total private (in constant (1982) dollars) ³	7.73	7.74	7.75	7.76	7.78	7.79	7.79	7.80	7.81	7.83	7.84	7.85	(4)
Goods-producing	8.68	8.67	8.68	8.68	8.72	8.71	8.72	8.72	8.73	8.71	8.73	8.75	(4)
Service-producing	7.42	7.43	7.45	7.46	7.48	7.49	7.50	7.51	7.52	7.54	7.55	7.56	(4)
Average weekly earnings													
Total private (in current dollars)	438.15	441.73	441.50	442.53	444.61	442.73	446.34	446.43	449.11	449.54	451.53	449.95	452.30
Goods-producing	581.40	586.50	585.48	588.14	591.43	587.11	593.07	592.86	597.40	596.36	596.14	593.81	599.59
Mining	737.35	747.94	732.77	756.22	748.98	740.88	753.36	755.60	749.08	729.74	730.14	731.02	741.53
Construction	636.62	635.36	633.98	652.29	651.80	636.29	652.58	649.90	664.39	664.58	658.67	646.89	653.88
Manufacturing	556.42	563.05	563.05	559.61	563.78	564.51	565.87	566.29	566.29	567.01	568.26	568.97	574.63
Service-producing	401.05	403.59	403.35	404.67	406.32	406.06	408.29	409.61	410.92	413.22	414.81	413.28	415.20
Transportation and public utilities	606.67	609.34	603.96	607.07	603.26	606.01	606.01	607.19	607.22	614.23	609.56	609.95	610.74
Wholesale trade	531.60	539.00	534.04	538.88	543.74	540.15	543.48	547.86	547.58	551.04	550.55	550.55	545.55
Retail trade	252.30	253.75	253.17	255.50	256.07	256.94	257.54	256.65	258.39	259.84	261.92	259.55	260.45
Finance, insurance, and real estate	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
Services	415.98	418.89	420.85	421.83	423.47	422.18	426.08	425.76	428.04	429.67	432.29	432.60	434.23
Total private (in constant (1982) dollars) ³	266.84	268.53	268.23	268.36	269.30	268.00	269.69	269.26	270.39	269.99	271.19	269.92	(4)
Goods-producing	354.08	356.53	355.70	356.66	358.23	355.39	358.35	357.58	359.66	358.17	358.04	356.21	(4)
Service-producing	244.24	245.34	245.05	245.40	246.11	245.80	246.70	247.05	247.39	248.18	249.14	247.92	(4)

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

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

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

⁴ Not available.

⁵ This series is not computed because the average weekly hours' component is not available on a seasonally adjusted basis.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1994 forward are subject to revision.

**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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Total		124,006	125,088	126,092	126,690	127,775	-	-	-	-	-
Total private		103,880	104,958	105,690	106,168	107,266	84,873	85,823	86,247	86,668	87,631
Mining		577	577	527	528	526	437	437	393	393	392
Metal mining	10	50.4	50.2	49.6	49.4	49.0	38.4	38.2	37.4	37.4	-
Iron ores	101	8.3	8.3	8.1	8.1	-	6.9	6.9	6.7	6.7	-
Copper ores	102	15.4	15.2	14.5	14.3	-	11.6	11.4	10.8	10.7	-
Coal mining	12	93.0	92.1	87.4	86.4	85.2	76.1	75.4	72.4	71.4	-
Bituminous coal and lignite mining	122	87.5	86.6	81.8	80.8	-	71.4	70.7	67.5	66.5	-
Oil and gas extraction	13	330.8	327.4	289.4	289.5	284.3	244.4	241.8	209.1	208.0	-
Crude petroleum and natural gas	131	136.3	135.5	127.1	125.4	-	79.2	79.1	74.4	72.1	-
Oil and gas field services	138	189.5	187.0	157.9	159.6	-	161.0	158.5	130.7	131.6	-
Nonmetallic minerals, except fuels	14	102.8	107.2	100.4	102.7	107.9	77.6	81.8	74.2	76.3	-
Crushed and broken stone	142	39.4	41.0	39.0	39.9	-	30.5	32.2	30.0	30.9	-
Sand and gravel	144	33.3	35.9	32.6	33.9	-	-	-	-	-	-
Chemical and fertilizer minerals	147	11.8	11.7	11.4	11.3	-	-	-	-	-	-
Construction		5,459	5,758	5,725	5,778	6,045	4,150	4,439	4,343	4,385	4,636
General building contractors	15	1,300.6	1,346.8	1,376.3	1,382.1	1,413.4	897.3	937.9	944.0	948.5	-
Residential building construction	152	681.6	707.1	732.8	738.3	-	454.7	476.7	485.8	490.7	-
Operative builders	153	27.3	27.9	28.2	28.3	-	10.7	11.1	11.3	11.3	-
Nonresidential building construction	154	591.7	611.8	615.3	615.5	-	431.9	450.1	446.9	446.5	-
Heavy construction, except building	16	713.6	791.3	726.5	746.7	829.0	584.1	659.8	591.9	609.8	-
Highway and street construction	161	185.4	232.9	184.8	199.4	-	141.1	187.8	140.4	153.3	-
Heavy construction, except highway	162	528.2	558.4	541.7	547.3	-	443.0	472.0	451.5	456.5	-
Special trade contractors	17	3,445.1	3,620.2	3,622.0	3,649.2	3,802.6	2,668.9	2,840.8	2,807.2	2,827.1	-
Plumbing, heating, and air conditioning	171	783.8	793.7	819.8	821.4	-	572.5	581.9	599.9	601.3	-
Painting and paper hanging	172	181.5	196.4	184.6	186.6	-	146.4	161.7	148.7	150.2	-
Electrical work	173	694.0	696.5	733.5	735.6	-	546.7	547.9	574.1	574.2	-
Masonry, stonework, and plastering	174	461.9	485.7	508.4	511.8	-	394.7	418.5	437.7	440.9	-
Carpentry and floor work	175	253.3	257.3	274.1	273.5	-	190.5	194.0	205.0	204.3	-
Roofing, siding, and sheet metal work	176	214.6	239.7	228.5	226.2	-	164.0	188.7	175.7	172.6	-
Manufacturing		18,744	18,749	18,386	18,374	18,358	12,954	12,946	12,631	12,635	12,613
Durable goods		11,140	11,153	10,912	10,915	10,909	7,657	7,661	7,459	7,475	7,466
Lumber and wood products	24	785.7	790.9	803.3	804.6	806.7	645.4	649.8	658.7	659.8	661.9
Logging	241	74.2	72.9	75.0	72.9	-	58.2	56.7	59.2	57.6	-
Sawmills and planing mills	242	180.4	181.4	178.3	177.8	-	157.3	158.3	155.1	154.8	-
Sawmills and planing mills, general	2421	141.8	142.9	138.4	137.9	-	123.1	124.1	119.9	119.6	-
Hardwood dimension and flooring mills	2426	36.7	36.6	37.5	37.4	-	32.6	32.5	33.3	33.2	-
Millwork, plywood, and structural members	243	296.5	299.0	312.0	314.1	-	237.8	240.1	250.1	251.5	-
Millwork	2431	117.1	118.3	122.7	123.4	-	90.6	91.7	95.1	95.6	-
Wood kitchen cabinets	2434	82.9	83.5	89.2	89.8	-	66.7	67.5	72.2	72.7	-
Hardwood veneer and plywood	2435	29.3	28.8	29.2	29.4	-	25.0	24.6	24.9	25.1	-
Softwood veneer and plywood	2436	28.5	28.8	29.0	29.0	-	25.9	26.0	25.9	25.8	-
Wood containers	244	53.5	53.7	52.6	53.0	-	45.7	45.9	45.0	45.6	-
Wood buildings and mobile homes	245	92.7	94.6	96.2	97.4	-	74.2	75.9	76.5	77.0	-
Mobile homes	2451	70.8	72.0	74.3	74.9	-	59.2	60.5	62.1	62.4	-
Miscellaneous wood products	249	88.4	89.3	89.2	89.4	-	72.2	72.9	72.8	73.3	-
Furniture and fixtures	25	521.1	523.3	528.0	528.8	529.2	415.8	417.9	422.1	422.5	422.5
Household furniture	251	283.6	284.5	284.5	285.2	-	240.6	241.1	242.2	242.6	-
Wood household furniture	2511	125.5	126.1	127.3	127.3	-	108.8	109.4	110.9	110.9	-
Upholstered household furniture	2512	89.0	89.5	90.2	90.3	-	75.5	75.9	77.1	77.0	-
Metal household furniture	2514	22.3	21.9	20.1	20.0	-	19.0	18.5	16.9	16.8	-
Mattresses and bedsprings	2515	35.1	35.3	35.3	35.9	-	27.4	27.5	27.4	28.0	-

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Furniture and fixtures—Continued											
Office furniture	252	65.0	65.1	64.4	63.9	-	48.2	48.2	46.4	46.0	-
Public building and related furniture	253	44.4	45.0	46.7	47.0	-	34.7	35.2	36.6	36.8	-
Partitions and fixtures	254	88.0	88.1	90.5	90.5	-	65.8	66.2	68.3	68.3	-
Miscellaneous furniture and fixtures	259	40.1	40.6	41.9	42.2	-	26.5	27.2	28.6	28.8	-
Stone, clay, and glass products	32	546.4	559.0	552.1	556.1	567.6	426.0	437.0	429.7	433.4	444.3
Flat glass	321	16.6	16.5	16.3	16.5	-	13.3	13.2	12.9	13.2	-
Glass and glassware, pressed or blown	322	72.4	71.6	70.3	70.1	-	59.9	59.1	57.5	57.6	-
Glass containers	3221	25.5	25.4	25.0	25.0	-	22.8	22.7	21.7	21.9	-
Pressed and blown glass, nec	3229	46.9	46.2	45.3	45.1	-	37.1	36.4	35.8	35.7	-
Products of purchased glass	323	63.0	62.7	62.6	62.9	-	49.1	48.8	47.9	48.1	-
Cement, hydraulic	324	17.3	17.4	17.4	17.5	-	13.1	13.2	13.0	12.9	-
Structural clay products	325	32.6	33.2	33.1	32.9	-	25.2	25.8	25.5	25.6	-
Pottery and related products	326	38.3	38.5	38.0	37.9	-	30.1	30.3	29.8	29.8	-
Concrete, gypsum, and plaster products	327	208.4	220.8	215.0	218.8	-	159.1	170.3	165.5	168.8	-
Concrete block and brick	3271	17.6	18.2	17.8	18.2	-	11.2	11.5	11.4	11.8	-
Concrete products, nec	3272	73.0	74.5	77.4	78.7	-	55.9	57.1	59.9	60.9	-
Ready-mixed concrete	3273	99.9	110.2	101.8	103.9	-	77.8	87.6	79.9	81.8	-
Misc. nonmetallic mineral products	329	78.9	79.3	80.0	79.7	-	61.1	61.3	62.4	61.9	-
Abrasive products	3291	20.2	20.4	19.8	19.7	-	16.2	16.3	15.7	15.5	-
Asbestos products	3292	2.5	2.5	2.5	2.5	-	2.1	2.1	2.1	2.0	-
Mineral wool	3296	24.1	24.1	24.8	24.7	-	-	-	-	-	-
Primary metal industries	33	719.3	717.2	694.2	693.3	692.1	565.0	563.3	542.5	541.5	540.4
Blast furnaces and basic steel products	331	235.2	234.2	224.1	224.0	223.4	182.2	181.4	173.1	173.5	173.4
Blast furnaces and steel mills	3312	162.3	161.5	154.7	154.6	-	126.9	126.1	120.5	120.8	-
Steel pipe and tubes	3317	28.8	28.7	28.0	28.2	-	21.7	21.6	21.2	21.5	-
Iron and steel foundries	332	134.2	134.0	129.0	128.6	-	110.2	110.0	105.7	105.5	-
Gray and ductile iron foundries	3321	81.6	81.7	78.7	78.5	-	67.5	67.5	65.3	65.1	-
Malleable iron foundries	3322	4.7	4.8	4.7	4.7	-	3.6	3.7	3.6	3.6	-
Steel foundries, nec	3325	28.7	28.5	28.2	28.2	-	23.6	23.5	23.1	23.2	-
Primary nonferrous metals	333	39.3	39.2	37.4	37.3	-	30.5	30.5	29.1	28.8	-
Primary aluminum	3334	22.3	22.3	21.5	21.5	-	18.2	18.2	17.5	17.5	-
Nonferrous rolling and drawing	335	168.9	168.7	165.8	165.7	-	130.0	129.7	125.8	125.1	-
Copper rolling and drawing	3351	22.2	22.3	21.4	21.3	-	17.9	18.0	17.3	17.2	-
Aluminum sheet, plate, and foil	3353	21.4	21.0	20.0	19.9	-	16.1	15.7	14.8	14.7	-
Nonferrous wire drawing and insulating	3357	72.7	72.7	71.5	71.6	-	55.4	55.3	54.0	53.6	-
Nonferrous foundries (castings)	336	93.6	93.1	91.0	90.8	-	75.9	75.6	74.1	74.0	-
Aluminum foundries	3365	25.9	26.1	26.0	25.8	-	21.2	21.4	21.4	21.1	-
Fabricated metal products	34	1,494.6	1,494.2	1,478.1	1,476.3	1,473.1	1,129.7	1,128.9	1,110.8	1,110.8	1,108.5
Metal cans and shipping containers	341	37.0	36.7	35.5	35.7	-	31.4	31.2	30.2	30.4	-
Metal cans	3411	29.7	29.5	28.5	28.7	-	25.6	25.5	24.8	24.9	-
Cutlery, handtools, and hardware	342	126.6	126.2	124.4	124.8	-	97.7	97.4	95.4	95.9	-
Hand and edge tools, and blades and handsaws	3423,5	43.1	43.2	41.7	42.0	-	33.4	33.5	32.2	32.7	-
Hardware, nec	3429	70.5	70.0	69.7	69.8	-	54.4	54.0	53.4	53.5	-
Plumbing and heating, except electric	343	59.0	58.5	59.5	59.6	-	41.5	41.1	42.1	42.5	-
Plumbing fixture fittings and trim	3432	24.5	24.3	24.8	24.9	-	17.7	17.6	18.1	18.2	-
Heating equipment, except electric	3433	20.3	20.0	20.2	20.1	-	13.1	12.8	13.0	13.2	-
Fabricated structural metal products	344	452.4	453.6	454.2	454.7	-	331.2	331.6	331.6	331.8	-
Fabricated structural metal	3441	78.0	78.8	80.6	80.7	-	57.3	57.4	58.9	58.8	-
Metal doors, sash, and trim	3442	77.3	77.9	80.3	80.4	-	56.6	57.1	59.1	59.3	-
Fabricated plate work (boiler shops)	3443	102.2	101.4	97.3	97.1	-	73.9	73.3	69.7	69.6	-
Sheet metal work	3444	121.6	121.6	121.1	121.3	-	93.2	93.2	92.7	92.7	-
Architectural metal work	3446	31.2	31.2	32.9	32.7	-	22.8	22.8	24.2	24.1	-
Screw machine products, bolts, etc	345	108.4	108.5	106.7	106.1	-	85.5	85.4	83.6	83.0	-
Screw machine products	3451	56.9	56.9	55.7	55.4	-	46.5	46.4	45.3	44.9	-
Bolts, nuts, rivets, and washers	3452	51.5	51.6	51.0	50.7	-	39.0	39.0	38.3	38.1	-
Metal forgings and stampings	346	260.0	259.6	260.1	259.7	-	206.4	205.8	204.5	204.1	-
Iron and steel forgings	3462	33.5	33.6	32.7	32.6	-	25.7	25.7	24.6	24.4	-
Automotive stampings	3465	115.8	116.2	116.5	115.9	-	95.1	95.4	95.4	94.9	-
Metal stampings, nec	3469	97.3	96.4	97.4	97.7	-	75.4	74.4	74.1	74.4	-

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Fabricated metal products—Continued											
Metal services, nec	347	141.9	142.2	138.4	138.0	—	114.9	115.3	111.5	111.0	—
Plating and polishing	3471	86.5	86.4	84.1	84.2	—	70.9	70.7	68.4	68.5	—
Metal coating and allied services	3479	55.4	55.8	54.3	53.8	—	44.0	44.6	43.1	42.5	—
Ordnance and accessories, nec	348	41.2	41.0	39.0	38.4	—	23.2	23.3	22.7	22.5	—
Ammunition, except for small arms, nec	3483	22.0	21.8	20.6	20.0	—	10.0	10.0	9.7	9.5	—
Miscellaneous fabricated metal products	349	268.1	267.9	260.3	259.3	—	197.9	197.8	189.2	189.6	—
Valves and pipe fittings, nec	3494	26.1	25.9	24.7	24.5	—	19.2	19.1	17.6	18.2	—
Misc. fabricated wire products	3496	57.0	56.8	57.7	57.6	—	42.9	42.9	43.5	43.5	—
Industrial machinery and equipment	35	2,211.0	2,206.8	2,134.9	2,129.8	2,124.6	1,400.5	1,397.1	1,352.8	1,349.8	1,342.9
Engines and turbines	351	83.5	83.6	83.4	83.2	—	52.5	52.6	55.0	54.8	—
Turbines and turbine generator sets	3511	24.1	24.2	23.7	23.9	—	13.6	13.6	13.0	12.9	—
Internal combustion engines, nec	3519	59.4	59.4	59.7	59.3	—	38.9	39.0	42.0	41.9	—
Farm and garden machinery	352	107.2	106.9	97.9	98.5	—	78.6	78.2	70.3	70.8	—
Farm machinery and equipment	3523	80.1	79.9	71.2	71.3	—	58.4	58.1	49.8	50.2	—
Construction and related machinery	353	253.4	254.2	246.7	246.2	—	166.0	166.0	157.0	156.3	—
Construction machinery	3531	92.8	92.9	91.5	91.6	—	64.1	63.9	61.7	62.0	—
Mining machinery	3532	16.8	16.9	16.2	16.1	—	10.0	10.0	9.4	9.3	—
Oil and gas field machinery	3533	51.4	51.6	43.8	43.4	—	34.8	35.0	27.4	26.6	—
Conveyors and conveying equipment	3535	41.1	41.6	42.5	42.2	—	22.2	22.3	22.5	22.2	—
Industrial trucks and tractors	3537	32.0	32.0	33.1	33.1	—	22.5	22.3	23.0	23.1	—
Metalworking machinery	354	352.8	351.9	340.3	339.4	—	253.3	252.2	242.5	242.0	—
Machine tools, metal cutting types	3541	42.6	42.7	41.1	40.6	—	27.1	27.0	25.4	25.0	—
Machine tools, metal forming types	3542	18.2	18.1	17.3	17.3	—	11.4	11.4	10.7	10.7	—
Special dies, tools, jigs, and fixtures	3544	170.5	169.3	165.0	164.8	—	130.8	129.9	125.7	125.7	—
Machine tool accessories	3545	54.1	54.3	52.3	52.2	—	38.7	38.8	37.4	37.3	—
Power driven handtools	3546	20.4	20.5	19.7	19.7	—	14.5	14.6	14.4	14.4	—
Special industry machinery	355	185.6	185.5	174.4	174.0	—	101.0	100.4	95.7	95.4	—
Textile machinery	3552	15.3	15.3	14.7	14.7	—	10.0	9.9	9.4	9.4	—
Printing trades machinery	3555	23.3	23.6	22.5	21.9	—	13.2	13.3	12.8	12.5	—
Food products machinery	3556	25.2	24.9	24.5	24.6	—	15.1	14.9	14.6	14.7	—
General industrial machinery	356	267.4	266.4	261.5	259.7	—	171.5	170.5	166.6	165.2	—
Pumps and pumping equipment	3561	30.4	30.5	29.7	29.6	—	17.8	17.8	17.0	16.9	—
Ball and roller bearings	3562	41.0	41.0	40.2	39.8	—	31.9	31.7	30.8	30.5	—
Air and gas compressors	3563	26.8	26.7	27.4	27.3	—	15.5	15.5	15.2	15.1	—
Blowers and fans	3564	35.6	35.3	35.5	35.4	—	24.2	24.1	24.7	24.7	—
Speed changers, drives, and gears	3566	18.4	18.4	17.7	17.5	—	13.4	13.3	13.0	12.8	—
Power transmission equipment, nec	3568	22.3	22.3	21.9	21.9	—	15.6	15.6	15.4	15.3	—
Computer and office equipment	357	379.0	376.4	356.8	355.3	356.9	145.4	145.0	142.7	142.9	—
Electronic computers	3571	198.3	196.2	179.5	177.8	—	70.2	69.7	69.1	69.0	—
Computer terminals, calculators, and office machines, nec	3575,8,9	61.3	61.3	61.3	61.7	—	24.0	24.1	23.6	23.5	—
Refrigeration and service machinery	358	204.6	204.3	203.1	203.7	—	147.9	147.8	145.7	146.0	—
Refrigeration and heating equipment	3585	141.6	141.2	140.9	141.9	—	108.1	108.0	106.6	107.3	—
Misc. industrial and commercial machinery	359	377.5	377.6	370.8	369.8	—	284.3	284.4	277.3	276.4	—
Carburetors, pistons, rings, valves	3592	23.2	23.2	23.8	23.7	—	18.6	18.7	19.0	18.8	—
Scales, balances, and industrial machinery, nec	3596,9	306.0	305.8	299.1	298.6	—	235.4	235.1	228.2	228.0	—
Electronic and other electrical equipment	36	1,718.4	1,714.5	1,652.0	1,652.4	1,648.8	1,084.5	1,078.2	1,030.2	1,035.7	1,031.9
Electric distribution equipment	361	82.9	82.9	82.7	83.1	—	56.1	55.7	56.2	56.6	—
Transformers, except electronic	3612	39.2	38.9	38.4	38.5	—	26.7	26.2	26.0	26.3	—
Switchgear and switchboard apparatus	3613	43.7	44.0	44.3	44.6	—	29.4	29.5	30.2	30.3	—
Electrical industrial apparatus	362	154.1	154.0	148.5	147.8	—	107.8	107.6	102.5	101.5	—
Motors and generators	3621	76.5	76.5	73.8	73.3	—	59.6	59.5	56.5	56.1	—
Relays and industrial controls	3625	56.8	56.7	54.7	54.3	—	33.1	33.0	31.8	31.4	—
Household appliances	363	115.7	115.5	115.6	115.6	—	91.7	91.4	93.3	94.3	—
Household refrigerators and freezers	3632	23.9	24.3	23.6	23.5	—	18.9	19.3	19.3	19.5	—
Household laundry equipment	3633	17.7	17.6	18.6	18.9	—	14.0	13.9	16.0	16.3	—
Electric housewares and fans	3634	25.6	25.5	23.4	22.6	—	19.2	18.9	17.0	17.0	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment	364	183.0	182.6	176.7	176.3	—	130.2	129.6	126.8	126.7	—
Electric lamps	3641	21.9	21.9	20.2	20.2	—	16.9	16.9	16.2	16.3	—
Current-carrying wiring devices	3643	63.8	63.7	60.5	60.3	—	41.9	41.8	40.3	40.3	—
Noncurrent-carrying wiring devices	3644	18.0	18.0	18.7	18.6	—	13.4	13.4	13.9	13.9	—
Residential lighting fixtures	3645	21.2	20.9	20.7	20.3	—	15.9	15.5	15.5	15.2	—
Household audio and video equipment	365	77.1	77.1	76.4	76.4	—	49.5	49.5	48.9	49.8	—
Household audio and video equipment	3651	52.2	52.1	51.7	51.3	—	30.8	30.7	30.5	30.7	—
Communications equipment	366	278.4	279.6	268.3	267.6	—	128.8	129.4	120.9	122.0	—
Telephone and telegraph apparatus	3661	124.4	125.8	121.8	120.2	—	58.3	58.8	52.4	55.2	—
Electronic components and accessories	367	679.7	676.7	642.1	643.3	641.4	414.3	410.4	380.4	383.6	—
Electron tubes	3671	22.9	22.7	21.7	21.7	—	17.0	16.7	15.9	16.1	—
Semiconductors and related devices	3674	292.4	291.8	270.0	270.0	—	134.5	132.8	115.4	117.0	—
Electronic components, nec	3679	149.9	148.7	143.3	143.1	—	103.4	102.2	97.0	96.5	—
Misc. electrical equipment and supplies	369	147.5	146.1	141.7	142.3	—	106.1	104.6	101.2	101.2	—
Storage batteries	3691	25.7	25.5	25.3	25.3	—	19.9	19.7	19.8	19.8	—
Engine electrical equipment	3694	66.2	65.3	63.3	63.9	—	51.1	50.0	48.8	48.7	—
Transportation equipment	37	1,888.6	1,891.6	1,856.7	1,862.0	1,854.0	1,283.8	1,282.5	1,228.5	1,236.4	1,227.5
Motor vehicles and equipment	371	1,003.5	1,004.9	984.9	991.2	995.0	785.7	785.0	745.3	754.9	756.8
Motor vehicles and car bodies	3711	356.8	357.9	344.3	348.9	—	268.1	267.6	240.7	248.1	—
Truck and bus bodies	3713	42.3	42.5	43.7	44.2	—	33.5	33.8	34.7	35.2	—
Motor vehicle parts and accessories	3714	545.6	545.5	535.5	536.3	—	435.7	435.3	419.8	421.5	—
Truck trailers	3715	37.6	38.0	39.3	39.5	—	30.7	30.8	31.5	31.2	—
Aircraft and parts	372	522.9	523.7	508.9	508.2	501.8	268.7	267.5	255.0	252.1	—
Aircraft	3721	273.8	273.3	263.9	260.6	—	116.6	115.9	110.7	109.2	—
Aircraft engines and engine parts	3724	102.3	103.5	100.6	103.6	—	56.9	56.6	51.2	50.7	—
Aircraft parts and equipment, nec	3728	146.8	146.9	144.4	144.0	—	95.2	95.0	93.1	92.2	—
Ship and boat building and repairing	373	161.1	161.1	164.1	164.4	—	123.0	122.7	123.7	124.3	—
Ship building and repairing	3731	100.5	99.8	100.5	99.9	—	72.1	71.4	70.7	70.5	—
Boat building and repairing	3732	60.6	61.3	63.6	64.5	—	50.9	51.3	53.0	53.8	—
Railroad equipment	374	33.6	33.9	33.9	34.1	—	25.9	26.1	23.8	24.0	—
Guided missiles, space vehicles, and parts	376	90.4	90.4	84.9	83.5	—	24.3	24.3	22.2	21.8	—
Guided missiles and space vehicles	3761	62.7	62.6	58.9	58.4	—	15.3	15.3	13.7	13.6	—
Miscellaneous transportation equipment	379	54.3	54.8	56.6	57.1	—	39.9	40.6	42.2	42.9	—
Travel trailers and campers	3792	23.0	23.4	23.8	24.1	—	19.4	19.8	20.2	20.5	—
Instruments and related products	38	867.3	866.3	838.2	835.6	832.5	433.8	433.3	424.1	423.7	421.4
Search and navigation equipment	381	160.5	160.7	156.2	155.0	—	43.2	43.5	43.9	44.0	—
Measuring and controlling devices	382	303.0	302.7	290.6	289.0	—	156.1	155.4	148.9	148.4	—
Environmental controls	3822	40.8	40.7	38.8	38.7	—	27.8	27.5	27.1	27.1	—
Process control instruments	3823	66.4	66.1	64.4	64.1	—	34.1	33.8	33.1	32.7	—
Instruments to measure electricity	3825	77.4	77.5	72.9	72.5	—	33.0	32.9	29.1	29.2	—
Medical instruments and supplies	384	279.8	279.3	276.4	276.9	—	165.4	165.5	166.4	166.6	—
Surgical and medical instruments	3841	109.2	109.2	108.0	108.2	—	70.2	70.3	70.0	69.9	—
Surgical appliances and supplies	3842	97.2	97.1	96.9	97.2	—	60.5	60.4	61.1	61.3	—
Ophthalmic goods	385	36.5	36.9	35.6	35.5	—	24.3	24.7	25.1	25.2	—
Photographic equipment and supplies	386	79.7	79.1	72.1	72.2	—	38.3	37.9	33.8	33.7	—
Watches, clocks, watchcases, and parts	387	7.8	7.6	7.3	7.0	—	6.5	6.3	6.0	5.8	—
Miscellaneous manufacturing industries	39	388.0	389.2	374.7	376.4	379.9	272.0	273.3	259.4	261.3	264.5
Jewelry, silverware, and plated ware	391	48.3	48.6	49.4	49.5	—	33.4	33.8	33.7	33.7	—
Jewelry, precious metal	3911	36.3	36.5	36.6	36.8	—	24.7	25.0	24.5	24.5	—
Musical instruments	393	16.7	16.6	16.7	16.8	—	13.2	13.1	13.4	13.5	—
Toys and sporting goods	394	106.2	106.6	95.0	95.8	—	72.6	73.1	63.7	64.6	—
Dolls, games, toys, and children's vehicles	3942,4	34.8	34.3	30.4	30.5	—	22.2	21.9	19.2	19.4	—
Sporting and athletic goods, nec	3949	71.4	72.3	64.6	65.3	—	50.4	51.2	44.5	45.2	—
Pens, pencils, office, and art supplies	395	30.7	30.6	29.5	29.6	—	21.4	21.5	20.5	20.5	—
Costume jewelry and notions	396	23.1	23.0	21.7	21.7	—	16.5	16.5	15.4	15.7	—
Costume jewelry	3961	12.9	12.8	12.1	12.1	—	9.4	9.4	8.4	8.6	—
Miscellaneous manufactures	399	163.0	163.8	162.4	163.0	—	114.9	115.3	112.7	113.3	—
Signs and advertising specialties	3993	71.0	72.0	74.7	74.4	—	46.1	47.1	48.7	48.5	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods		7,604	7,596	7,474	7,459	7,449	5,297	5,285	5,172	5,160	5,147
Food and kindred products	20	1,663.8	1,663.2	1,680.3	1,676.2	1,671.9	1,231.4	1,228.8	1,248.3	1,245.5	1,235.7
Meat products	201	494.8	496.0	507.0	508.1	—	419.5	420.6	431.7	433.0	—
Meat packing plants	2011	153.9	153.9	156.1	156.0	—	128.6	128.0	130.0	130.5	—
Sausages and other prepared meats	2013	96.2	96.5	99.9	100.2	—	74.7	75.2	79.0	79.4	—
Poultry slaughtering and processing	2015	244.7	245.6	251.0	251.9	—	216.2	217.4	222.7	223.1	—
Dairy products	202	141.7	141.9	140.9	141.4	—	95.9	96.1	97.2	97.8	—
Cheese, natural and processed	2022	39.6	39.7	39.4	39.2	—	32.1	32.2	32.4	32.1	—
Fluid milk	2026	61.9	61.8	62.0	62.0	—	36.2	36.0	36.8	37.0	—
Preserved fruits and vegetables	203	206.6	208.8	207.5	207.1	—	170.1	172.3	170.9	170.8	—
Canned specialties	2032	18.3	18.4	17.2	17.0	—	14.3	14.5	13.0	13.0	—
Canned fruits and vegetables	2033	56.5	58.1	54.5	54.2	—	45.2	47.0	44.0	43.9	—
Frozen fruits and vegetables	2037	44.3	43.9	45.5	45.6	—	38.2	37.5	39.0	39.0	—
Grain mill products	204	124.2	123.4	125.1	124.1	—	89.0	87.7	88.7	88.4	—
Flour and other grain mill products	2041	18.7	18.8	19.2	19.0	—	11.5	11.5	11.8	11.8	—
Prepared feeds, nec	2048	39.9	39.6	39.8	39.7	—	26.2	25.8	26.0	26.0	—
Bakery products	205	206.2	205.8	207.6	205.8	—	138.4	137.6	140.0	139.0	—
Bread, cake, and related products	2051	149.0	150.0	148.4	147.3	—	90.3	90.8	89.6	89.2	—
Cookies, crackers, and frozen bakery products, except bread	2052,3	57.2	55.8	59.2	58.5	—	48.1	46.8	50.4	49.8	—
Sugar and confectionery products	206	96.5	92.7	96.4	94.0	—	75.1	71.2	75.7	73.0	—
Raw cane sugar	2061	6.3	4.9	6.9	7.0	—	5.1	3.6	5.4	5.5	—
Cane sugar refining	2062	4.2	4.1	4.1	4.1	—	3.1	3.1	3.2	3.2	—
Beet sugar	2063	7.2	7.5	9.1	7.3	—	6.3	6.5	8.1	6.2	—
Candy and other confectionery products	2064	53.4	51.1	51.4	51.5	—	41.7	39.3	40.4	40.5	—
Fats and oils	207	32.6	32.8	35.8	35.9	—	23.0	23.0	24.7	24.8	—
Beverages	208	180.2	181.0	181.5	181.5	—	88.1	88.8	89.0	88.6	—
Malt beverages	2082	33.1	33.5	32.5	32.6	—	20.9	21.2	20.0	19.9	—
Bottled and canned soft drinks	2086	94.3	95.1	95.1	95.1	—	39.1	39.5	39.3	39.0	—
Misc. food and kindred products	209	181.0	180.8	178.5	178.3	—	132.3	131.5	130.4	130.1	—
Tobacco products	21	40.5	39.5	40.5	38.0	35.9	31.5	30.5	31.1	28.8	26.6
Cigarettes	211	27.4	27.2	25.5	25.3	—	20.5	20.4	18.3	18.4	—
Textile mill products	22	602.5	603.9	570.7	568.0	565.1	511.6	512.5	482.3	481.5	479.2
Broadwoven fabric mills, cotton	221	70.1	70.6	64.9	65.0	—	62.6	63.1	57.8	58.0	—
Broadwoven fabric mills, synthetics	222	64.8	65.2	62.5	61.5	—	54.8	55.2	53.1	52.2	—
Broadwoven fabric mills, wool	223	13.7	13.7	11.5	11.2	—	11.6	11.5	9.6	9.4	—
Narrow fabric mills	224	21.1	21.0	20.7	20.6	—	17.4	17.2	16.9	16.8	—
Knitting mills	225	163.4	163.7	149.6	148.4	—	139.7	139.6	126.2	125.7	—
Women's hosiery, except socks	2251	18.2	17.5	16.5	16.4	—	16.0	15.2	14.1	14.2	—
Hosiery, nec	2252	36.5	36.2	35.5	35.5	—	31.9	31.5	30.9	30.9	—
Knit outerwear mills	2253	49.0	49.5	43.0	42.0	—	42.1	42.5	36.8	36.0	—
Knit underwear mills	2254	12.3	13.1	11.3	10.9	—	10.9	11.7	10.0	9.6	—
Weft knit fabric mills	2257	25.3	25.3	22.2	22.4	—	21.3	21.3	18.2	18.5	—
Textile finishing, except wool	226	65.7	65.0	60.1	60.2	—	53.9	53.4	50.3	50.4	—
Finishing plants, cotton	2261	30.6	30.1	28.0	28.2	—	25.1	24.6	23.8	23.9	—
Finishing plants, synthetics	2262	20.5	20.3	18.5	18.4	—	16.5	16.4	15.1	15.0	—
Carpets and rugs	227	65.0	65.7	66.8	67.1	—	54.5	55.1	56.0	56.6	—
Yarn and thread mills	228	84.4	85.0	81.4	80.9	—	75.1	75.5	71.6	71.4	—
Yarn spinning mills	2281	61.4	62.0	59.1	58.6	—	55.2	55.6	52.3	52.1	—
Throwing and winding mills	2282	16.1	16.2	15.9	15.9	—	13.8	13.8	13.7	13.7	—
Miscellaneous textile goods	229	54.3	54.0	53.2	53.1	—	42.0	41.9	40.8	41.0	—
Apparel and other textile products	23	792.0	784.7	710.7	708.3	702.5	640.4	632.5	567.7	565.7	561.8
Men's and boys' suits and coats	231	28.6	28.4	25.9	25.5	—	23.2	23.1	20.3	20.2	—
Men's and boys' furnishings	232	192.3	191.1	166.0	161.9	—	162.5	161.1	139.2	135.0	—
Men's and boys' shirts	2321	39.8	39.4	32.1	31.0	—	34.5	34.2	27.6	26.6	—
Men's and boys' trousers and slacks	2325	64.9	65.2	58.5	57.0	—	56.4	56.2	50.6	48.5	—
Men's and boys' work clothing	2326	29.1	28.7	26.0	25.5	—	24.8	24.4	22.3	22.1	—
Women's and misses' outerwear	233	242.4	238.0	211.1	212.5	—	193.4	188.5	164.8	166.4	—
Women's and misses' blouses and shirts	2331	20.7	20.7	19.3	19.3	—	15.9	15.7	14.2	14.2	—
Women's, juniors', and misses' dresses	2335	39.4	38.5	34.4	34.8	—	30.4	29.7	26.2	27.1	—
Women's and misses' suits and coats	2337	23.9	23.6	20.7	20.6	—	18.4	18.1	15.8	15.2	—
Women's and misses' outerwear, nec	2339	158.4	155.2	136.7	137.8	—	128.7	125.0	108.6	109.9	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	32.6	32.3	29.0	29.0	-	25.7	25.3	23.2	23.2	-
Women's and children's underwear	2341	24.0	23.8	21.1	20.9	-	19.4	19.1	16.7	16.5	-
Brassieres, girdles, and allied garments	2342	8.6	8.5	7.9	8.1	-	6.3	6.2	6.5	6.7	-
Girls' and children's outerwear	236	26.9	26.0	21.9	21.6	-	22.1	21.3	17.6	17.5	-
Girls' and children's dresses and blouses	2361	10.8	10.1	8.5	9.1	-	9.4	8.7	7.4	8.0	-
Misc. apparel and accessories	238	33.2	33.2	30.4	30.0	-	26.6	26.7	23.7	23.3	-
Misc. fabricated textile products	239	218.8	218.9	210.7	211.5	-	173.4	173.1	166.7	167.4	-
Curtains and draperies	2391	18.9	19.3	17.2	17.3	-	14.7	14.7	13.4	13.5	-
House furnishings, nec	2392	57.3	56.7	56.7	56.4	-	48.3	47.7	47.6	47.4	-
Automotive and apparel trimmings	2396	60.5	60.6	58.7	59.3	-	46.8	47.2	45.4	46.1	-
Paper and allied products	26	684.6	682.2	669.6	667.5	666.5	521.6	519.5	507.0	504.8	504.8
Paper mills	262	155.3	155.4	149.8	149.3	-	121.5	121.5	117.2	116.6	-
Paperboard mills	263	50.1	50.0	49.0	49.0	-	38.8	38.6	37.6	37.6	-
Paperboard containers and boxes	265	218.8	218.1	214.8	213.5	-	169.4	168.8	166.2	164.9	-
Corrugated and solid fiber boxes	2653	133.2	132.7	130.9	130.4	-	99.4	99.0	97.9	97.3	-
Sanitary food containers	2656	16.9	16.7	16.5	16.5	-	15.2	15.0	14.8	14.9	-
Folding paperboard boxes	2657	46.9	46.8	46.0	45.6	-	38.0	38.1	37.0	36.7	-
Misc. converted paper products	267	248.6	246.9	244.5	244.2	-	182.5	181.2	176.8	176.5	-
Paper, coated and laminated, nec	2672	48.1	48.1	47.0	46.7	-	25.0	24.8	22.1	21.9	-
Bags: plastics, laminated, and coated	2673	40.7	40.4	39.4	39.5	-	32.0	31.8	30.8	30.7	-
Envelopes	2677	25.7	25.5	25.5	25.4	-	20.0	19.9	19.7	19.6	-
Printing and publishing	27	1,560.6	1,564.0	1,556.9	1,554.6	1,555.5	845.1	845.5	832.3	830.5	828.7
Newspapers	271	442.4	442.7	441.1	440.9	-	146.8	147.4	146.4	146.8	-
Periodicals	272	138.4	138.8	140.6	140.5	-	46.5	46.2	43.7	43.5	-
Books	273	128.8	129.0	126.1	125.0	-	65.9	65.9	58.3	57.2	-
Book publishing	2731	89.9	90.0	88.0	87.7	-	35.1	34.9	28.4	28.0	-
Book printing	2732	38.9	39.0	38.1	37.3	-	30.8	31.0	29.9	29.2	-
Miscellaneous publishing	274	90.2	91.2	93.0	93.1	-	42.5	42.5	45.4	45.5	-
Commercial printing	275	575.5	576.9	575.1	574.2	-	410.1	409.9	409.3	408.3	-
Commercial printing, lithographic	2752	374.2	375.4	378.0	377.2	-	266.3	266.2	269.6	269.0	-
Commercial printing, nec	2759	181.8	181.8	178.4	178.3	-	128.4	128.4	125.0	124.5	-
Manifold business forms	276	42.7	42.9	42.5	42.5	-	30.5	30.3	28.7	28.5	-
Blankbooks and bookbinding	278	65.7	65.3	63.0	63.1	-	49.8	49.7	47.7	47.9	-
Printing trade services	279	49.0	49.0	48.0	48.1	-	33.0	32.9	32.2	32.3	-
Chemicals and allied products	28	1,034.1	1,032.1	1,029.2	1,028.4	1,027.8	581.8	581.3	578.4	577.3	578.3
Industrial inorganic chemicals	281	115.8	115.6	112.3	112.1	-	60.9	61.0	61.3	60.4	-
Industrial inorganic chemicals, nec	2819	69.8	69.6	68.6	68.5	-	35.5	35.4	36.3	36.5	-
Plastics materials and synthetics	282	154.9	154.7	149.7	148.6	-	103.4	103.3	97.7	97.1	-
Plastics materials and resins	2821	80.4	80.3	79.3	79.3	-	49.6	49.5	47.9	47.8	-
Organic fibers, noncellulosic	2824	44.6	44.6	41.0	40.4	-	35.3	35.4	32.4	31.8	-
Drugs	283	270.6	270.8	278.8	279.5	-	124.5	124.5	127.6	128.1	-
Pharmaceutical preparations	2834	214.5	215.1	221.3	221.6	-	100.7	100.6	104.1	104.8	-
Soap, cleaners, and toilet goods	284	156.8	155.7	154.7	153.5	-	97.6	96.7	97.3	96.7	-
Soap and other detergents	2841	41.5	41.5	42.3	41.7	-	22.7	22.8	25.8	26.1	-
Polishing, sanitation, and finishing preparations	2842,3	40.5	40.5	41.7	41.6	-	23.0	23.0	23.4	23.3	-
Toilet preparations	2844	74.8	73.7	70.7	70.2	-	51.9	50.9	48.1	47.3	-
Paints and allied products	285	51.8	51.7	52.7	52.9	-	27.4	27.4	27.8	27.9	-
Industrial organic chemicals	286	138.1	137.5	135.9	136.1	-	79.7	79.9	77.9	77.7	-
Cyclic crudes and intermediates	2865	23.4	23.3	22.3	22.1	-	14.1	14.0	13.2	13.0	-
Industrial organic chemicals, nec	2869	112.2	111.7	111.1	111.5	-	63.8	64.1	62.9	62.9	-
Agricultural chemicals	287	51.6	51.8	51.2	51.7	-	31.5	31.6	30.8	31.2	-
Miscellaneous chemical products	289	94.5	94.3	93.9	94.0	-	56.8	56.9	58.0	58.2	-
Petroleum and coal products	29	133.2	135.6	130.0	130.5	133.0	86.6	89.0	85.0	85.8	88.0
Petroleum refining	291	93.1	93.3	90.6	90.1	-	60.3	60.5	59.2	58.8	-
Asphalt paving and roofing materials	295	25.5	27.8	24.7	25.7	-	18.4	20.6	17.8	19.0	-
Rubber and misc. plastics products	30	1,007.8	1,006.4	1,011.3	1,012.4	1,016.6	782.3	781.8	784.7	784.5	789.3
Tires and inner tubes	301	79.4	79.9	77.9	77.4	-	58.2	58.6	58.2	57.8	-
Rubber and plastics footwear	302	6.9	6.7	5.7	5.6	-	5.3	5.2	4.2	4.1	-
Hose, belting, gaskets, and packing	305	72.1	72.4	71.3	71.7	-	55.8	55.8	55.0	55.4	-
Rubber and plastics hose and belting	3052	29.2	29.3	30.1	30.6	-	23.0	23.0	23.9	24.3	-
Fabricated rubber products, nec	306	112.4	112.1	110.9	110.7	-	86.3	86.0	84.9	84.7	-
Miscellaneous plastics products, nec	308	737.0	735.3	745.5	747.0	-	576.7	576.2	582.4	582.5	-

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods—Continued											
Leather and leather products	31	85.1	84.5	75.0	74.7	73.9	64.3	63.8	55.6	55.4	54.6
Leather tanning and finishing	311	13.2	13.2	11.3	11.2	—	10.9	10.9	9.2	9.1	—
Footwear, except rubber	314	36.8	36.3	32.0	31.9	—	29.3	28.8	25.3	25.3	—
Men's footwear, except athletic	3143	20.3	19.7	17.8	17.6	—	15.8	15.2	13.5	13.4	—
Women's footwear, except athletic	3144	9.6	9.6	8.0	8.1	—	7.4	7.4	6.4	6.7	—
Luggage	316	10.6	10.2	8.4	8.5	—	7.2	7.0	6.1	6.3	—
Handbags and personal leather goods	317	9.0	9.2	8.4	8.3	—	5.1	5.3	4.6	4.5	—
Transportation and public utilities		6,456	6,484	6,593	6,614	6,653	5,329	5,345	5,477	5,478	5,508
Transportation		4,132	4,153	4,228	4,245	4,281	—	—	—	—	—
Railroad transportation	40	228.0	230.9	230.9	230.8	232.1	—	—	—	—	—
Class I railroads plus Amtrak ²	4011	201.4	204.0	204.2	204.1	—	—	—	—	—	—
Local and interurban passenger transit	41	472.8	467.0	480.8	484.4	486.9	434.1	427.6	440.4	443.7	—
Local and suburban transportation	411	234.8	234.9	238.6	239.9	—	213.7	212.9	216.0	217.3	—
Taxicabs	412	31.7	31.1	31.8	32.2	—	—	—	—	—	—
Intercity and rural bus transportation	413	21.2	21.4	23.5	23.7	—	19.1	19.2	21.0	21.1	—
School buses	415	151.4	145.0	155.0	155.9	—	—	—	—	—	—
Trucking and warehousing	42	1,658.1	1,674.8	1,701.8	1,710.0	1,726.0	1,449.3	1,465.2	1,484.8	1,493.4	—
Trucking and courier services, except air	421	1,496.1	1,514.8	1,535.6	1,543.6	—	1,314.0	1,331.8	1,346.1	1,354.5	—
Public warehousing and storage	422	156.8	155.1	161.3	161.5	—	130.6	129.1	134.3	134.5	—
Water transportation	44	176.9	180.2	180.6	178.8	185.5	—	—	—	—	—
Water transportation of freight, nec	444	14.4	14.2	15.3	15.2	—	—	—	—	—	—
Water transportation services	449	120.5	123.0	121.4	119.1	—	105.8	107.9	105.4	102.9	—
Transportation by air	45	1,136.6	1,139.8	1,166.7	1,172.4	1,178.7	—	—	—	—	—
Air transportation, scheduled	451	966.1	967.3	985.2	990.7	—	—	—	—	—	—
Air transportation, scheduled	4512	518.6	522.7	533.4	536.1	—	—	—	—	—	—
Airports, flying fields, and services	458	126	127	135	135	—	—	—	—	—	—
Pipelines, except natural gas	46	14.1	14.0	14.0	14.0	14.0	11.4	11.4	11.5	11.5	—
Transportation services	47	445.9	446.2	453.0	454.6	458.0	364.9	364.8	370.1	371.1	—
Passenger transportation arrangement	472	217.1	217.6	216.0	217.0	—	182.9	183.2	180.9	181.5	—
Travel agencies	4724	173.8	173.6	172.2	172.5	—	146.4	146.1	144.2	144.4	—
Freight transportation arrangement	473	181.4	180.2	189.5	190.4	—	142.5	140.9	149.9	150.6	—
Communications and public utilities		2,324	2,331	2,365	2,369	2,372	—	—	—	—	—
Communications	48	1,469.2	1,477.3	1,520.2	1,522.2	1,528.2	1,061.6	1,059.6	1,128.7	1,114.4	—
Telephone communications	481	1,011.8	1,018.7	1,051.1	1,051.7	—	697.0	695.1	760.0	745.4	—
Telephone communications, except radio	4813	846.7	854.4	886.1	886.8	—	575.6	576.9	632.0	617.4	—
Radio and television broadcasting	483	244.1	245.0	245.0	244.9	—	201.7	202.1	200.2	199.6	—
Radio broadcasting stations	4832	115.6	117.1	118.0	117.8	—	—	—	—	—	—
Television broadcasting stations	4833	128.5	127.9	127.0	127.1	—	—	—	—	—	—
Cable and other pay television services	484	182.2	182.5	189.8	191.3	—	149.4	148.9	154.2	155.4	—
Electric, gas, and sanitary services	49	855.2	853.5	844.4	846.3	844.2	680.7	680.7	678.5	679.0	—
Electric services	491	363.1	362.3	359.1	361.7	—	291.8	291.6	290.8	291.7	—
Gas production and distribution	492	140.5	139.7	136.6	136.1	—	109.0	108.5	106.3	106.4	—
Combination utility services	493	157.5	157.2	153.6	153.3	—	122.0	122.0	122.0	121.3	—
Sanitary services	495	161.7	161.8	162.4	162.3	—	132.2	133.1	133.8	133.7	—
Wholesale trade		6,744	6,781	6,862	6,884	6,917	5,396	5,427	5,492	5,509	5,534
Durable goods	50	4,027	4,047	4,108	4,118	4,134	3,170	3,186	3,240	3,245	—
Motor vehicles, parts, and supplies	501	516.2	517.6	528.1	528.6	—	413.2	413.9	413.9	414.0	—
Automobiles and other motor vehicles	5012	147.9	148.2	154.2	155.0	—	—	—	—	—	—
Motor vehicle supplies and new parts	5013	289.8	290.2	293.5	293.3	—	—	—	—	—	—
Furniture and home furnishings	502	162.5	162.2	166.4	167.0	—	129.0	128.5	132.4	132.8	—
Furniture	5021	78.4	78.2	80.9	80.7	—	—	—	—	—	—
Home furnishings	5023	84.1	84.0	85.5	86.3	—	—	—	—	—	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Wholesale trade—Continued											
Durable goods—Continued											
Lumber and other construction materials	503	259.1	264.1	269.0	271.2	—	214.4	219.0	222.4	224.8	—
Lumber, plywood, and millwork	5031	134.1	134.8	140.2	140.9	—	—	—	—	—	—
Construction materials, nec	5039	37.6	38.7	39.5	39.8	—	—	—	—	—	—
Professional and commercial equipment	504	895.2	897.2	947.7	951.2	—	690.9	693.6	748.8	749.1	—
Office equipment	5044	208.8	210.0	219.1	220.3	—	—	—	—	—	—
Computers, peripherals and software	5045	359.2	358.7	382.0	382.9	—	—	—	—	—	—
Medical and hospital equipment	5047	186.5	186.1	198.2	199.1	—	150.3	149.8	160.6	160.9	—
Metals and minerals, except petroleum	505	150.4	151.5	151.9	151.9	—	121.5	122.3	121.5	121.5	—
Electrical goods	506	552.3	552.9	555.5	556.6	—	402.1	401.1	406.1	405.9	—
Electrical apparatus and equipment	5063	231.2	231.6	236.2	236.8	—	—	—	—	—	—
Electrical appliances, television and radio sets	5064	49.4	49.5	51.2	52.1	—	—	—	—	—	—
Electronic parts and equipment	5065	271.7	271.8	268.1	267.7	—	—	—	—	—	—
Hardware, plumbing, and heating equipment	507	301.5	302.2	300.5	300.6	—	245.2	246.5	246.1	246.4	—
Hardware	5072	108.4	109.1	108.2	107.9	—	—	—	—	—	—
Plumbing and hydronic heating supplies	5074	118.3	118.5	118.4	118.5	—	—	—	—	—	—
Machinery, equipment, and supplies	508	835.2	841.9	836.0	836.4	—	666.8	672.3	664.6	664.7	—
Construction and mining machinery	5082	91.0	91.8	93.8	94.2	—	—	—	—	—	—
Farm and garden machinery	5083	122.6	124.8	122.1	123.0	—	—	—	—	—	—
Industrial machinery and equipment	5084	338.1	340.0	334.4	333.1	—	—	—	—	—	—
Industrial supplies	5085	156.9	158.7	157.0	156.5	—	—	—	—	—	—
Misc. wholesale trade durable goods	509	354.3	357.1	352.5	354.2	—	286.7	289.1	284.1	285.6	—
Scrap and waste materials	5093	133.8	133.5	127.8	126.8	—	—	—	—	—	—
Nondurable goods	51	2,717	2,734	2,754	2,766	2,783	2,226	2,241	2,252	2,264	—
Paper and paper products	511	266.0	266.6	271.0	272.4	—	222.3	222.8	224.7	225.5	—
Stationery and office supplies	5112	155.4	155.7	159.2	159.5	—	—	—	—	—	—
Drugs, proprietaries, and sundries	512	214.0	213.5	222.2	223.8	—	177.7	177.1	185.4	186.4	—
Apparel, piece goods, and notions	513	222.5	222.6	223.3	224.8	—	179.8	180.2	181.9	183.5	—
Groceries and related products	514	897.2	896.9	907.6	906.5	—	753.8	752.6	760.6	759.5	—
Groceries, general line	5141	288.1	288.6	284.4	283.2	—	—	—	—	—	—
Meats and meat products	5147	55.3	54.6	56.0	56.3	—	—	—	—	—	—
Fresh fruits and vegetables	5148	92.7	93.8	96.0	95.7	—	—	—	—	—	—
Farm-product raw materials	515	103.7	105.2	107.2	106.1	—	83.3	85.1	86.1	85.2	—
Chemicals and allied products	516	150.1	150.0	152.7	153.3	—	109.6	109.8	111.3	111.9	—
Petroleum and petroleum products	517	156.9	158.0	158.3	157.5	—	129.6	130.3	129.9	129.4	—
Petroleum bulk stations and terminals	5171	65.4	65.4	66.4	66.2	—	—	—	—	—	—
Petroleum products, nec	5172	91.5	92.6	91.9	91.3	—	—	—	—	—	—
Beer, wine, and distilled beverages	518	152.0	152.8	155.8	156.3	—	122.4	123.1	125.8	125.9	—
Beer and ale	5181	97.1	97.9	99.7	100.2	—	—	—	—	—	—
Wine and distilled beverages	5182	54.9	54.9	56.1	56.1	—	—	—	—	—	—
Misc. wholesale trade nondurable goods	519	554.4	568.5	556.1	565.7	—	447.4	460.0	446.7	456.2	—
Farm supplies	5191	167.9	176.4	167.1	171.8	—	—	—	—	—	—
Retail trade		21,823	22,085	22,298	22,363	22,643	19,149	19,373	19,540	19,606	19,856
Building materials and garden supplies	52	930.5	979.7	952.3	978.1	1,019.8	768.3	814.9	785.1	809.5	—
Lumber and other building materials	521	568.0	589.1	586.6	599.7	—	477.2	496.4	493.3	505.5	—
Paint, glass, and wallpaper stores	523	68.6	68.9	71.0	70.8	—	52.7	53.0	53.0	52.6	—
Hardware stores	525	161.5	163.7	163.9	165.3	—	132.1	134.3	135.1	136.7	—
Retail nurseries and garden stores	526	86.3	110.2	82.1	93.2	—	70.2	93.3	65.6	76.2	—
General merchandise stores	53	2,660.0	2,674.6	2,738.2	2,747.6	2,739.6	2,454.9	2,470.4	2,546.5	2,551.7	—
Department stores	531	2,343.2	2,355.9	2,417.6	2,428.7	2,423.3	2,185.0	2,199.1	2,271.4	2,280.1	—
Variety stores	533	133.6	136.3	134.5	135.6	—	112.8	115.1	115.7	115.1	—
Miscellaneous general merchandise stores	539	183.2	182.4	186.1	183.3	—	157.1	156.2	159.4	156.5	—
Food stores	54	3,486.8	3,489.0	3,526.5	3,516.8	3,524.8	3,160.9	3,161.0	3,190.5	3,180.2	—
Grocery stores	541	3,060.2	3,050.6	3,076.7	3,068.6	—	2,796.6	2,785.4	2,807.7	2,798.9	—
Meat and fish markets	542	47.1	50.2	48.7	49.2	—	—	—	—	—	—
Dairy products stores	545	12.3	13.1	12.7	12.6	—	—	—	—	—	—
Retail bakeries	546	221.1	222.5	228.5	228.2	—	192.9	193.6	198.0	197.5	—
Automotive dealers and service stations	55	2,311.2	2,327.9	2,365.9	2,374.0	2,393.3	1,920.8	1,930.9	1,958.3	1,967.5	—
New and used car dealers	551	1,054.7	1,056.5	1,073.4	1,078.3	1,084.7	883.8	884.3	900.2	904.8	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Retail trade—Continued											
Automotive dealers and service stations—Continued											
Auto and home supply stores	553	397.3	401.2	410.8	412.5	—	305.4	307.8	310.6	314.6	—
Gasoline service stations	554	658.3	663.6	673.4	670.6	—	571.1	573.4	581.4	578.1	—
Automotive dealers, nec	559	9.8	9.7	10.3	10.2	—	8.0	7.9	8.5	8.3	—
Apparel and accessory stores	56	1,064.0	1,076.3	1,088.8	1,088.7	1,091.6	887.2	896.5	908.6	908.2	—
Men's and boys' clothing stores	561	79.2	80.1	77.6	76.6	—	64.4	65.0	62.5	61.6	—
Women's clothing stores	562	267.4	268.8	269.0	267.7	—	222.2	223.2	222.7	221.0	—
Family clothing stores	565	337.8	340.4	356.2	356.6	—	299.7	301.6	316.2	315.9	—
Shoe stores	566	194.5	200.5	198.3	198.4	—	154.3	159.3	155.6	156.1	—
Furniture and home furnishings stores	57	1,037.2	1,035.3	1,098.1	1,097.1	1,103.1	851.7	850.2	903.7	902.3	—
Furniture and home furnishings stores	571	529.4	530.8	552.4	551.6	—	430.0	431.3	448.8	448.6	—
Furniture stores	5712	314.3	315.2	327.1	328.5	—	—	—	—	—	—
Household appliance stores	572	69.6	68.5	70.3	69.7	—	56.3	55.5	57.5	56.9	—
Radio, television, and computer stores	573	438.2	436.0	475.4	475.8	—	365.4	363.4	397.4	396.8	—
Radio, television, and electronic stores	5731	191.9	191.4	204.8	203.9	—	159.8	159.6	170.2	169.4	—
Record and prerecorded tape stores	5735	81.1	80.2	93.1	94.1	—	68.3	67.0	79.1	78.7	—
Eating and drinking places	58	7,519.8	7,677.0	7,599.4	7,661.1	7,853.8	6,762.4	6,897.4	6,807.1	6,872.3	—
Miscellaneous retail establishments	59	2,813.7	2,825.3	2,929.1	2,899.9	2,916.6	2,342.6	2,351.7	2,440.0	2,414.0	—
Drug stores and proprietary stores	591	642.5	641.7	669.6	671.5	—	539.6	538.2	561.3	565.3	—
Liquor stores	592	110.5	111.4	109.9	110.2	—	—	—	—	—	—
Used merchandise stores	593	119.0	120.1	125.0	124.2	—	99.2	100.1	104.0	103.1	—
Miscellaneous shopping goods stores	594	972.2	972.1	1,020.8	1,007.2	—	808.0	807.1	854.2	841.4	—
Sporting goods and bicycle shops	5941	191.3	192.7	197.7	195.6	—	—	—	—	—	—
Book stores	5942	127.4	124.3	135.3	131.1	—	—	—	—	—	—
Stationery stores	5943	91.9	91.9	96.2	94.0	—	—	—	—	—	—
Jewelry stores	5944	142.8	141.2	151.3	147.3	—	—	—	—	—	—
Gift, novelty, and souvenir shops	5947	217.6	221.6	229.4	229.4	—	—	—	—	—	—
Sewing, needlework, and piece goods	5949	50.0	49.9	49.6	49.4	—	—	—	—	—	—
Nonstore retailers	596	348.8	346.0	346.7	342.7	—	295.1	293.0	293.9	289.4	—
Catalog and mail-order houses	5961	223.6	220.4	227.0	223.0	—	—	—	—	—	—
Merchandising machine operators	5962	68.7	69.4	68.3	68.0	—	—	—	—	—	—
Fuel dealers	598	99.7	96.9	102.6	101.4	—	82.9	80.1	85.0	83.9	—
Retail stores, nec	599	521.0	537.1	554.5	542.7	—	428.4	442.7	452.7	442.4	—
Florists, tobacco stores, and newsstands	5992,3,4	153.4	161.4	174.7	159.2	—	—	—	—	—	—
Optical goods stores	5995	73.3	73.7	74.4	75.5	—	59.1	59.2	58.2	59.1	—
Miscellaneous retail stores, nec	5999	294.3	302.0	305.4	308.0	—	239.8	246.8	246.1	249.5	—
Finance, insurance, and real estate³		7,213	7,261	7,431	7,454	7,496	5,287	5,329	5,442	5,461	5,489
Finance		3,504	3,514	3,620	3,630	3,646	—	—	—	—	—
Depository institutions	60	2,034.8	2,035.0	2,043.9	2,047.2	2,049.5	1,462.8	1,461.9	1,468.2	1,473.2	—
Commercial banks	602	1,459.0	1,457.2	1,455.0	1,455.2	1,456.2	1,034.7	1,031.8	1,029.4	1,032.1	—
State commercial banks	6022	595.5	596.7	612.8	613.7	—	426.2	426.3	439.6	441.4	—
National and commercial banks, nec	6021,9	863.5	860.5	842.2	841.5	—	608.5	605.5	589.8	590.7	—
Savings institutions	603	261.8	263.0	264.4	265.7	264.8	—	—	—	—	—
Federal savings institutions	6035	145.4	145.9	145.3	146.2	—	—	—	—	—	—
Savings institutions, except federal	6036	116.4	117.1	119.1	119.5	—	—	—	—	—	—
Credit unions	606	176.8	177.2	182.4	183.5	—	140.4	141.1	145.3	146.2	—
Nondepository institutions	61	602.3	605.4	660.1	664.4	671.8	416.5	418.1	449.4	453.5	—
Personal credit institutions	614	185.5	184.8	191.7	191.1	—	112.8	110.7	107.1	106.4	—
Business credit institutions	615	119.5	119.7	130.8	130.1	—	—	—	—	—	—
Mortgage bankers and brokers	616	275.6	278.8	314.6	320.1	323.2	—	—	—	—	—
Security and commodity brokers	62	630.5	634.3	662.5	664.4	669.9	—	—	—	—	—
Security brokers and dealers	621	464.1	466.7	484.5	485.6	—	—	—	—	—	—
Commodity contracts brokers, dealers, and exchanges	622,3	25.4	25.3	25.4	25.2	—	—	—	—	—	—
Security and commodity services	628	141.0	142.3	152.6	153.6	—	94.6	95.2	104.0	104.4	—
Holding and other investment offices	67	236.3	239.2	253.9	254.3	255.2	—	—	—	—	—
Holding offices	671	109.7	110.1	117.1	118.3	—	—	—	—	—	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Finance, insurance, and real estate—Continued											
Insurance	63,64	2,298	2,309	2,358	2,365	2,369	-	-	-	-	-
Insurance carriers	63	1,562.7	1,572.1	1,606.3	1,609.6	1,611.1	1,173.4	1,185.8	1,225.0	1,229.7	-
Life insurance	631	523.3	526.0	531.6	532.9	-	345.5	350.4	358.5	357.4	-
Medical service and health insurance	632	348.4	351.3	362.1	362.7	-	282.7	284.9	288.9	290.3	-
Hospital and medical service plans	6324	285.8	288.5	297.9	298.1	-	235.5	238.0	241.7	242.3	-
Fire, marine, and casualty insurance	633	541.5	542.8	547.4	548.7	-	424.9	427.5	443.1	444.4	-
Title insurance	636	77.2	79.1	89.7	89.9	-	-	-	-	-	-
Insurance agents, brokers, and service	64	735.7	737.1	751.8	755.2	758.1	-	-	-	-	-
Real estate	65	1,411	1,438	1,453	1,459	1,481	-	-	-	-	-
Real estate operators and lessors	651	572.3	576.9	576.7	577.4	-	-	-	-	-	-
Real estate agents and managers	653	692.3	705.4	721.2	724.1	-	-	-	-	-	-
Subdividers and developers	655	109.6	118.4	112.8	116.2	-	-	-	-	-	-
Services		36,864	37,263	37,868	38,173	38,628	32,171	32,527	32,929	33,201	33,603
Agricultural services	07	617.3	709.6	640.0	667.9	762.5	512.5	598.2	530.5	556.4	-
Veterinary services	074	184.7	187.0	192.4	193.7	-	155.2	157.2	162.0	163.2	-
Landscape and horticultural services	078	384.1	473.0	396.9	423.5	-	316.8	399.9	326.6	351.3	-
Hotels and other lodging places	70	1,688.8	1,720.5	1,689.8	1,706.2	1,731.0	-	-	-	-	-
Hotels and motels	701	1,647.9	1,677.2	1,649.0	1,663.8	-	1,444.0	1,469.1	1,443.3	1,457.9	-
Personal services	72	1,239.8	1,242.9	1,242.2	1,234.4	1,242.8	-	-	-	-	-
Laundry, cleaning, and garment services	721	438.9	440.3	433.5	433.6	-	386.0	387.6	380.4	380.5	-
Photographic studios, portrait	722	56.9	57.4	42.7	42.4	-	-	-	-	-	-
Beauty shops	723	400.7	400.6	407.8	407.2	-	353.8	354.4	358.5	358.2	-
Funeral service and crematories	726	99.4	99.7	100.4	99.2	-	-	-	-	-	-
Miscellaneous personal services	729	228.6	229.7	243.2	237.3	-	202.2	203.3	215.4	209.2	-
Business services	73	8,285.6	8,356.9	8,648.9	8,740.4	8,839.7	7,341.2	7,401.1	7,630.1	7,709.8	-
Advertising	731	264.1	263.9	273.3	275.4	-	190.1	190.0	194.6	196.5	-
Advertising agencies	7311	172.8	172.8	177.0	178.9	-	-	-	-	-	-
Credit reporting and collection	732	137.4	138.7	138.6	139.8	-	-	-	-	-	-
Mailing, reproduction, and stenographic services	733	314.1	314.1	319.9	319.5	-	-	-	-	-	-
Photocopying and duplicating services	7334	78.8	79.8	79.5	80.6	-	66.9	68.0	65.9	66.7	-
Services to buildings	734	959.5	966.3	985.4	991.1	1,002.9	856.9	863.8	874.3	879.2	-
Disinfecting and pest control services	7342	93.0	95.6	95.2	97.8	-	75.1	77.2	76.4	78.3	-
Building maintenance services, nec	7349	866.5	870.7	890.2	893.3	-	781.8	786.6	797.9	800.9	-
Miscellaneous equipment rental and leasing	735	254.5	257.2	256.1	257.7	-	200.9	202.9	201.8	203.0	-
Medical equipment rental	7352	41.5	40.2	40.7	39.9	-	30.5	29.3	30.9	30.7	-
Heavy construction equipment rental	7353	45.4	45.8	46.9	46.6	-	38.5	38.9	39.5	39.1	-
Equipment rental and leasing, nec	7359	167.6	171.2	168.5	171.2	-	131.9	134.7	131.4	133.2	-
Personnel supply services	736	3,041.2	3,080.6	3,077.5	3,141.2	3,201.6	-	-	-	-	-
Employment agencies	7361	330.4	333.9	344.2	347.5	-	-	-	-	-	-
Help supply services	7363	2,710.8	2,746.7	2,733.3	2,793.7	2,849.4	2,633.3	2,667.3	2,640.5	2,695.5	-
Computer and data processing services	737	1,544.5	1,560.6	1,725.1	1,738.5	1,752.3	1,233.4	1,243.8	1,390.0	1,402.7	-
Computer programming services	7371	356.5	359.4	394.1	397.1	-	304.4	306.1	337.0	339.7	-
Prepackaged software	7372	257.8	261.8	295.7	299.2	-	-	-	-	-	-
Computer integrated systems design	7373	177.9	178.7	197.3	198.0	-	124.1	123.5	145.8	145.2	-
Data processing and preparation	7374	264.8	267.0	291.2	294.0	-	-	-	-	-	-
Information retrieval services	7375	87.6	89.2	102.6	104.1	-	61.4	63.4	78.2	79.4	-
Computer maintenance and repair	7378	57.3	57.6	59.7	60.5	-	39.1	39.7	43.0	43.8	-
Miscellaneous business services	738	1,770.3	1,775.5	1,873.0	1,877.2	-	1,541.3	1,543.2	1,635.0	1,634.8	-
Detective and armored car services	7381	589.4	596.8	619.2	619.0	-	542.8	549.8	570.9	569.4	-
Security systems services	7382	58.4	59.5	61.6	61.3	-	49.3	48.3	50.6	50.3	-
Photofinishing laboratories	7384	76.7	77.3	78.0	78.6	-	-	-	-	-	-
Auto repair, services, and parking	75	1,144.2	1,144.1	1,181.5	1,185.9	1,185.5	932.1	929.9	955.5	960.9	-
Automotive rentals, without drivers	751	201.5	202.6	211.6	212.0	-	164.3	164.8	171.8	172.4	-
Passenger car rental	7514	134.8	135.6	140.6	141.1	-	111.6	111.8	114.7	115.5	-
Automobile parking	752	74.2	75.2	75.5	75.4	-	64.6	65.6	65.6	65.6	-
Automotive repair shops	753	624.5	625.5	647.1	648.4	-	495.5	494.0	506.5	508.8	-
Automotive and tire repair shops	7532,4	219.4	218.5	230.5	231.4	-	179.3	178.4	187.0	188.1	-
General automotive repair shops	7538	264.6	266.0	271.8	271.5	-	206.4	204.9	205.4	205.9	-

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Services—Continued											
Auto repair, services, and parking—Continued											
Automotive services, except repair	754	244.0	240.8	247.3	250.1	—	207.7	205.5	211.6	214.1	—
Carwashes	7542	130.4	128.5	133.0	135.3	—	115.3	114.2	117.9	119.9	—
Miscellaneous repair services	76	378.8	383.1	389.2	391.2	395.2	309.5	313.1	317.6	318.9	—
Electrical repair shops	762	115.3	116.8	118.7	120.2	—	—	—	—	—	—
Motion pictures	78	567.2	561.7	571.1	569.2	576.3	474.6	468.2	478.7	477.4	—
Motion picture production and services	781	243.4	238.6	246.2	241.5	—	203.9	198.5	207.4	204.4	—
Motion picture theaters	783	131.3	131.4	129.7	132.6	—	—	—	—	—	—
Video tape rental	784	172.4	172.1	173.5	173.6	—	139.0	138.6	140.1	139.7	—
Amusement and recreation services	79	1,502.7	1,637.1	1,534.0	1,590.5	1,734.3	1,297.8	1,425.3	1,314.8	1,367.9	—
Bowling centers	793	85.4	83.9	85.1	84.8	—	76.6	75.0	76.0	75.9	—
Misc. amusement and recreation services	799	1,082.1	1,190.1	1,102.0	1,148.8	—	935.4	1,038.6	946.5	988.3	—
Physical fitness facilities	7991	177.5	179.0	192.1	192.5	—	158.4	159.8	170.8	170.8	—
Membership sports and recreation clubs	7997	282.8	332.4	287.0	299.5	—	243.1	290.7	244.4	254.7	—
Health services	80	9,848.3	9,859.7	9,950.4	9,975.0	9,998.9	8,729.6	8,734.4	8,807.1	8,831.8	—
Offices and clinics of medical doctors	801	1,790.3	1,797.4	1,853.7	1,859.5	1,865.6	1,477.0	1,480.1	1,522.5	1,529.0	—
Offices and clinics of dentists	802	636.1	638.0	652.3	656.2	—	555.1	556.4	569.9	573.0	—
Offices and clinics of other health practitioners	804	460.8	463.2	464.9	465.3	—	380.4	382.9	387.5	388.3	—
Offices and clinics of chiropractors and optometrists	8041,2	169.0	169.7	170.1	170.4	—	—	—	—	—	—
Nursing and personal care facilities	805	1,756.8	1,756.0	1,744.5	1,745.0	1,744.5	1,580.0	1,579.4	1,566.4	1,567.1	—
Skilled nursing care facilities	8051	1,331.8	1,331.1	1,323.9	1,324.3	—	—	—	—	—	—
Intermediate care facilities	8052	207.4	208.0	207.6	208.8	—	186.5	187.1	186.0	187.1	—
Nursing and personal care, nec	8059	217.6	216.9	213.0	211.9	—	—	—	—	—	—
Hospitals	806	3,924.9	3,932.2	3,979.7	3,985.8	3,989.6	3,598.0	3,603.4	3,645.4	3,651.4	—
General medical and surgical hospitals	8062	3,618.2	3,624.2	3,664.2	3,668.4	—	—	—	—	—	—
Psychiatric hospitals	8063	84.2	84.5	86.5	88.0	—	—	—	—	—	—
Specialty hospitals, excluding psychiatric	8069	222.5	223.5	229.0	229.4	—	—	—	—	—	—
Medical and dental laboratories	807	200.9	201.1	204.8	205.1	—	—	—	—	—	—
Home health care services	808	694.8	687.8	655.5	660.2	665.1	640.5	633.6	602.8	608.2	—
Legal services	81	966.2	968.0	994.1	996.8	1,000.1	769.6	770.8	794.3	796.6	—
Educational services	82	2,324.2	2,329.7	2,396.1	2,413.6	2,416.3	—	—	—	—	—
Elementary and secondary schools	821	663.6	660.9	693.5	697.0	—	—	—	—	—	—
Colleges and universities	822	1,382.2	1,389.5	1,412.6	1,421.9	—	—	—	—	—	—
Vocational schools	824	87.8	88.1	93.2	93.4	—	—	—	—	—	—
Social services	83	2,595.9	2,612.7	2,703.6	2,726.1	2,742.1	2,245.9	2,260.8	2,336.6	2,357.7	—
Individual and family services	832	694.4	698.9	731.6	737.9	—	601.1	605.5	635.1	641.0	—
Job training and related services	833	364.3	368.1	379.2	383.0	—	311.8	315.5	327.8	330.8	—
Child day care services	835	589.3	594.1	606.8	611.8	615.0	521.9	526.7	533.7	538.8	—
Residential care	836	742.0	745.2	769.6	774.4	777.9	643.3	645.4	665.7	670.5	—
Social services, nec	839	205.9	206.4	216.4	219.0	—	167.8	167.7	174.3	176.6	—
Museums and botanical and zoological gardens	84	86.2	90.4	85.7	88.3	92.4	—	—	—	—	—
Membership organizations	86	2,248.6	2,252.6	2,270.6	2,283.9	2,286.6	—	—	—	—	—
Business associations	861	108.5	108.2	110.5	111.0	—	—	—	—	—	—
Professional organizations	862	60.7	61.1	63.0	64.0	—	44.0	44.1	45.7	46.4	—
Labor organizations	863	143.1	141.9	143.9	149.3	—	—	—	—	—	—
Civic and social associations	864	439.2	443.4	450.6	456.8	—	—	—	—	—	—
Engineering and management services	87	3,175.7	3,199.1	3,373.4	3,406.0	3,426.2	2,428.1	2,450.6	2,547.9	2,567.6	—
Engineering and architectural services	871	895.1	901.6	928.8	933.3	938.0	733.9	739.6	758.4	762.2	—
Engineering services	8711	686.1	690.7	706.6	709.6	—	568.9	573.3	583.7	586.4	—
Architectural services	8712	152.5	153.3	162.6	163.5	—	119.0	119.3	126.9	127.3	—
Surveying services	8713	56.5	57.6	59.6	60.2	—	46.0	47.0	47.8	48.5	—
Accounting, auditing, and bookkeeping	872	657.7	661.1	689.9	694.6	—	472.0	475.4	485.8	488.2	—

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 ¹				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Services—Continued											
Engineering and management services—Continued											
Research and testing services	873	615.4	621.2	643.4	652.4	—	471.7	478.5	486.4	488.4	—
Commercial physical research	8731	231.9	232.3	242.0	243.4	—	160.9	161.5	164.2	158.8	—
Commercial nonphysical research	8732	142.1	145.9	151.9	155.1	—	118.6	122.6	124.6	128.3	—
Noncommercial research organizations	8733	146.9	147.8	153.0	156.8	—	115.4	116.3	119.7	122.9	—
Management and public relations	874	1,007.5	1,015.2	1,111.3	1,125.7	1,137.8	750.5	757.1	817.3	828.8	—
Management services	8741	333.3	337.0	374.7	378.5	—	246.5	250.4	276.1	278.9	—
Management consulting services	8742	365.5	367.7	409.5	416.4	—	271.4	272.4	297.1	302.9	—
Public relations services	8743	41.9	42.3	47.4	48.0	—	28.2	28.5	31.4	31.6	—
Services, nec	89	50.8	51.7	53.9	53.7	54.2	39.9	40.8	42.3	42.5	—
Government		20,126	20,130	20,402	20,522	20,509	—	—	—	—	—
Federal Government⁴		2,662	2,668	2,697	2,697	2,681	—	—	—	—	—
Executive, by agency ⁴		2,600.8	2,605.4	2,635.5	—	—	—	—	—	—	—
Department of Defense		669.0	666.4	645.3	—	—	—	—	—	—	—
Postal Service ⁵		852.7	853.2	872.9	—	—	—	—	—	—	—
Other executive agencies		1,079.1	1,085.8	1,117.3	—	—	—	—	—	—	—
Legislative		30.4	31.7	30.2	—	—	—	—	—	—	—
Judicial		30.4	30.5	31.2	—	—	—	—	—	—	—
Federal Government, except Postal Service		1,808.9	1,814.4	1,824.0	1,824.5	1,810.0	—	—	—	—	—
Federal Government, by industry:											
Manufacturing activities		47.4	47.4	46.2	46.0	—	—	—	—	—	—
Ship building and repairing	3731	21.9	21.9	21.6	21.5	—	—	—	—	—	—
Transportation and public utilities, except Postal Service		12.4	12.3	12.1	12.0	—	—	—	—	—	—
Services		355.5	357.1	345.4	345.4	—	—	—	—	—	—
Hospitals	806	220.7	221.0	217.9	217.5	—	—	—	—	—	—
State government		4,741	4,747	4,804	4,839	4,850	—	—	—	—	—
Construction		86.6	86.5	87.2	87.1	—	—	—	—	—	—
Transportation and public utilities		51.3	51.5	51.2	51.2	—	—	—	—	—	—
Services		2,780.6	2,776.0	2,809.8	2,839.6	—	—	—	—	—	—
Hospitals	806	365.8	364.9	366.8	367.7	—	—	—	—	—	—
Education	82	2,064.8	2,059.5	2,082.4	2,110.7	2,110.8	—	—	—	—	—
Social services		206.0	206.8	211.4	211.9	—	—	—	—	—	—
Services, except hospitals, education, and social services		144.0	144.8	149.2	149.3	—	—	—	—	—	—
General administration, including executive, legislative, and judicial functions		1,822.4	1,833.1	1,856.0	1,860.6	—	—	—	—	—	—
State government, except education		2,676.1	2,687.6	2,721.8	2,727.8	2,739.0	—	—	—	—	—
Local government		12,723	12,715	12,901	12,986	12,978	—	—	—	—	—
Transportation and public utilities		454.0	454.6	453.9	454.8	—	—	—	—	—	—
Services		8,533.0	8,513.9	8,672.2	8,737.6	—	—	—	—	—	—
Hospitals	806	648.0	648.1	659.8	660.6	—	—	—	—	—	—
Education	82	7,390.7	7,364.7	7,514.6	7,576.2	7,544.3	—	—	—	—	—
Social services		140.0	140.5	142.2	142.2	—	—	—	—	—	—
Services, except hospitals, education, and social services		354.3	360.6	355.6	358.6	—	—	—	—	—	—
General administration, including executive, legislative, and judicial functions		3,735.5	3,746.5	3,775.1	3,793.1	—	—	—	—	—	—
Local government, except education		5,331.8	5,350.3	5,386.6	5,409.3	5,433.6	—	—	—	—	—

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

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

³ Excludes nonoffice commissioned real estate sales agents.

⁴ Prepared by the Office of Personnel Management. Data relate to civilian

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

⁵ Includes rural mail carriers.

— Data not available.

P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Jan. 1998	Feb. 1998	Dec. 1998	Jan. 1999	Feb. 1999
Total	59,629	60,005	62,243	60,919	61,394
Total private	48,616	48,753	50,741	49,658	49,869
Goods-producing	6,706	6,707	6,683	6,611	6,592
Mining	82	82	80	79	79
Construction	633	634	681	669	672
Manufacturing	5,991	5,991	5,922	5,863	5,841
Durable goods	2,967	2,972	2,931	2,912	2,905
Lumber and wood products	138.0	138.2	145.5	144.2	144.6
Furniture and fixtures	163.2	164.0	168.5	167.6	167.6
Stone, clay, and glass products	106.2	105.6	106.1	104.3	103.8
Primary metal industries	103.9	104.1	102.8	101.7	101.5
Fabricated metal products	332.4	332.6	336.0	335.9	335.0
Industrial machinery and equipment	486.1	487.5	469.2	464.0	464.1
Electronic and other electrical equipment	714.5	714.8	683.7	678.0	674.3
Transportation equipment	399.5	401.7	405.6	405.5	402.6
Instruments and related products	355.4	354.3	348.8	349.0	348.9
Miscellaneous manufacturing	167.3	168.8	164.7	162.1	162.9
Nondurable goods	3,024	3,019	2,991	2,951	2,936
Food and kindred products	540.9	538.4	561.7	547.9	542.1
Tobacco products	14.3	13.4	13.7	13.7	13.1
Textile mill products	278.5	278.1	270.4	266.6	265.1
Apparel and other textile products	581.5	579.5	531.8	520.8	516.2
Paper and allied products	166.0	166.2	164.0	162.2	162.0
Printing and publishing	703.8	702.6	709.2	701.5	700.3
Chemicals and allied products	327.1	328.7	331.4	329.4	330.5
Petroleum and coal products	23.5	23.5	23.4	23.1	23.1
Rubber and misc. plastics products	343.4	343.9	344.4	345.5	344.3
Leather and leather products	44.8	44.7	41.3	40.3	39.7
Service-producing	52,923	53,298	55,560	54,308	54,802
Transportation and public utilities	1,938	1,940	2,032	2,008	2,024
Wholesale trade	2,067	2,064	2,117	2,095	2,099
Retail trade	11,526	11,402	12,429	11,765	11,700
Finance, insurance, and real estate	4,512	4,521	4,665	4,663	4,669
Services	21,867	22,119	22,815	22,516	22,785
Government	11,013	11,252	11,502	11,261	11,525
Federal	1,129	1,132	1,162	1,131	1,141
State	2,337	2,421	2,466	2,383	2,480
Local	7,547	7,699	7,874	7,747	7,904

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1997 forward are subject to revision.

**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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Alabama	1,883.9	1,919.6	1,930.2	10.5	10.6	10.6	97.2	103.8	105.1
Birmingham	469.6	477.3	480.1	3.3	3.0	3.0	27.6	29.2	29.6
Huntsville	174.9	176.7	177.5	(1)	(1)	(1)	5.9	6.3	6.4
Mobile	223.7	229.1	231.6	(1)	(1)	(1)	18.1	18.1	18.1
Montgomery	159.3	163.8	165.0	(1)	(1)	(1)	8.3	8.6	8.8
Tuscaloosa	80.0	81.9	83.4	2.6	2.8	2.8	5.0	5.3	5.7
Alaska	264.8	264.8	266.8	10.0	9.4	9.6	10.8	10.4	10.7
Anchorage	124.5	126.9	127.4	2.6	2.5	2.6	5.6	5.7	5.7
Arizona	2,067.8	2,125.7	2,144.4	13.1	12.5	12.4	137.5	150.5	152.0
Phoenix-Mesa	1,447.9	1,493.5	1,504.8	5.8	5.5	5.5	100.8	110.6	112.0
Tucson	326.1	334.8	337.2	2.2	2.1	2.1	19.4	20.9	21.1
Arkansas	1,112.3	1,119.5	1,128.8	3.5	3.1	3.1	45.7	46.0	47.2
Fayetteville-Springdale-Rogers	139.4	142.2	142.9	(1)	(1)	(1)	5.2	5.3	5.4
Fort Smith	96.2	97.0	97.8	.9	.7	.7	4.1	4.2	4.2
Little Rock-North Little Rock	306.1	307.5	308.7	(1)	(1)	(1)	13.9	14.0	14.1
Pine Bluff	35.5	35.9	36.3	(1)	(1)	(1)	.9	.9	.9
California	13,423.3	13,734.8	13,821.6	25.8	23.7	23.7	563.9	599.9	611.7
Bakersfield	181.3	185.3	186.1	9.4	8.5	8.3	9.4	9.6	9.9
Fresno	271.5	277.6	280.0	.3	.3	.3	13.2	13.8	14.3
Los Angeles-Long Beach	3,930.6	3,981.1	4,002.3	5.0	4.6	4.5	112.7	116.6	119.1
Modesto	131.9	136.4	137.5	(2)	(2)	(2)	6.9	7.6	7.9
Oakland	963.5	986.4	991.6	1.7	1.7	1.7	49.5	52.4	53.8
Orange County	1,277.8	1,311.6	1,323.4	.8	.9	.9	60.6	62.9	64.3
Riverside-San Bernardino	965.9	902.0	903.4	1.1	1.0	1.0	54.9	59.5	60.1
Sacramento	641.0	654.2	657.5	.2	.2	.2	32.9	35.3	35.8
Salinas	118.1	121.4	122.5	.1	.1	.1	5.0	5.3	5.6
San Diego	1,083.1	1,111.3	1,114.0	.3	.3	.3	57.5	61.3	61.3
San Francisco	994.6	1,020.8	1,022.8	.5	.5	.5	35.2	38.4	38.8
San Jose	954.1	951.7	958.4	.1	.1	.1	39.1	41.3	42.4
Santa Barbara-Santa Maria-Lompoc	153.3	155.3	156.4	.9	.7	.7	6.6	6.9	6.9
Santa Rosa	169.7	176.3	177.9	.4	.5	.5	8.8	9.2	9.6
Stockton-Lodi	167.9	170.6	171.6	.1	.1	.1	7.7	8.0	8.7
Vallejo-Fairfield-Napa	152.3	157.7	158.2	.5	.5	.5	9.8	10.9	10.9
Ventura	247.7	255.9	257.6	1.3	1.2	1.2	11.2	13.2	13.7
Colorado	2,026.7	2,076.3	2,087.0	14.2	13.4	13.4	121.8	130.5	132.9
Boulder-Longmont	162.2	164.9	166.8	(1)	(1)	(1)	7.0	7.3	7.5
Colorado Springs	220.2	225.7	226.8	(1)	(1)	(1)	12.4	11.9	12.3
Denver	1,076.1	1,104.5	1,110.0	6.9	6.5	6.5	64.2	69.5	70.9
Connecticut	1,625.2	1,640.0	1,647.3	.7	.7	.7	53.2	54.1	54.9
Bridgeport	186.7	185.1	186.2	(2)	(2)	(2)	5.7	5.9	5.9
Danbury	87.1	87.0	87.3	(1)	(1)	(1)	3.5	3.5	3.6
Hartford	601.7	601.8	606.2	(1)	(1)	(1)	18.3	17.7	17.9
New Haven-Meriden	250.7	254.6	254.6	(1)	(1)	(1)	8.9	9.0	9.1
New London-Norwich	135.8	136.7	137.0	(1)	(1)	(1)	4.3	4.4	4.4
Stamford-Norwalk	203.1	202.1	203.4	(1)	(1)	(1)	5.5	5.4	5.5
Waterbury	85.2	85.0	85.1	(2)	(2)	(2)	3.0	3.0	3.2
Delaware	390.9	399.9	403.3	.1	.1	.1	20.7	22.2	22.5
Dover	51.6	53.3	53.8	.1	.1	.1	2.3	2.3	2.3
Wilmington-Newark	306.8	314.3	316.6	.2	.2	.2	15.1	16.5	16.7
District of Columbia	612.4	610.5	613.7	.1	.1	.1	8.8	8.6	8.6
Washington PMSA	2,509.6	2,570.6	2,588.1	1.1	1.2	1.2	123.2	128.4	130.1
Florida	6,640.9	6,853.1	6,900.8	8.7	6.8	6.9	342.4	358.6	362.4
Daytona Beach	154.2	159.2	159.8	(2)	(2)	(2)	7.7	8.1	8.0
Fort Lauderdale	644.2	657.5	662.2	.1	.1	.1	34.7	35.6	35.6
Fort Myers-Cape Coral	159.8	164.0	164.5	(2)	(2)	(2)	13.3	14.3	14.4
Gainesville	114.2	117.6	118.0	(2)	(2)	(2)	4.4	4.5	4.6
Jacksonville	526.6	542.5	546.9	(2)	(2)	(2)	28.1	28.8	29.4
Lakeland-Winter Haven	175.8	180.1	181.1	3.2	3.1	3.1	9.8	10.0	10.1
Melbourne-Titusville-Palm Bay	179.9	186.4	187.4	(2)	(2)	(2)	9.2	9.9	10.0
Miami	979.0	989.0	993.4	.3	.3	.3	33.2	35.2	35.5
Orlando	830.9	864.9	873.9	(2)	(2)	(2)	46.3	48.7	49.5
Pensacola	153.2	158.1	159.7	(2)	(2)	(2)	10.9	11.4	11.4
Sarasota-Bradenton	247.8	258.6	259.8	(2)	(2)	(2)	12.6	13.3	13.3
Tallahassee	152.4	155.7	156.6	(2)	(2)	(2)	6.0	6.2	6.2
Tampa-St. Petersburg-Clearwater	1,112.2	1,171.1	1,176.0	.4	.5	.5	52.7	56.4	56.8
West Palm Beach-Boca Raton	464.9	493.3	496.6	(2)	(2)	(2)	25.2	27.2	27.2

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Alabama	379.2	372.7	372.8	91.3	93.3	93.0	427.3	441.6	447.5
Birmingham	52.1	52.3	52.5	30.6	31.1	31.1	112.1	114.6	115.6
Huntsville	38.3	37.3	37.1	3.8	4.1	4.1	34.4	35.7	36.2
Mobile	27.9	27.8	27.7	12.9	13.0	12.9	58.4	61.2	62.5
Montgomery	18.1	18.5	18.5	6.5	6.7	6.8	37.4	37.9	38.8
Tuscaloosa	12.2	12.3	12.5	2.4	2.5	2.5	18.2	19.6	20.1
Alaska	15.2	15.4	15.0	24.0	24.0	24.4	53.1	52.9	53.8
Anchorage	1.9	1.9	2.0	12.7	12.9	13.0	30.2	30.3	30.8
Arizona	216.0	217.4	217.4	98.7	103.7	104.9	498.3	511.4	516.0
Phoenix-Mesa	169.6	170.8	170.4	72.7	77.9	78.6	352.9	363.4	366.1
Tucson	28.8	29.1	29.4	13.5	13.2	13.3	70.6	71.8	72.2
Arkansas	253.5	253.3	253.3	66.3	67.8	67.9	251.9	251.5	255.8
Fayetteville-Springdale-Rogers	33.7	34.3	34.3	9.5	10.3	10.1	39.3	39.7	40.2
Fort Smith	27.3	27.1	27.4	6.4	6.5	6.5	19.5	19.8	19.8
Little Rock-North Little Rock	33.7	33.7	33.6	21.4	21.8	21.6	70.0	70.5	70.9
Pine Bluff	8.2	8.4	8.5	1.7	1.8	1.8	7.0	7.0	7.1
California	1,949.8	1,937.7	1,942.3	684.6	697.7	701.3	3,062.4	3,113.1	3,124.3
Bakersfield	9.7	9.7	9.7	10.3	10.4	10.6	42.0	42.8	43.1
Fresno	28.8	29.2	29.2	13.1	13.7	13.8	66.3	66.7	67.2
Los Angeles-Long Beach	669.6	659.9	662.0	221.6	226.7	227.5	860.8	875.0	876.9
Modesto	24.7	26.2	26.2	5.0	5.0	5.1	33.7	33.7	33.8
Oakland	122.6	122.4	122.5	61.9	63.5	63.9	214.3	220.4	220.6
Orange County	233.7	239.7	241.3	45.6	47.4	47.8	316.5	321.1	321.9
Riverside-San Bernardino	108.2	114.2	114.3	44.7	46.9	47.2	218.5	226.5	226.1
Sacramento	47.0	45.4	45.6	25.5	26.3	26.5	136.6	138.6	138.5
Salinas	9.4	9.2	9.3	5.1	5.2	5.2	30.3	31.4	31.6
San Diego	126.2	126.4	126.4	44.0	45.4	45.7	243.5	248.5	248.5
San Francisco	77.5	77.0	77.4	79.9	80.6	80.9	205.8	212.3	212.6
San Jose	266.4	255.4	255.0	28.6	28.8	29.1	183.3	182.6	183.1
Santa Barbara-Santa Maria-Lompoc	17.5	17.4	17.6	5.2	5.0	5.0	36.2	37.4	37.7
Santa Rosa	26.9	28.1	28.2	6.2	6.8	6.8	42.2	43.1	43.2
Stockton-Lodi	22.0	22.5	22.9	11.8	11.8	11.7	39.9	39.9	40.2
Vallejo-Fairfield-Napa	18.1	18.9	19.1	6.3	6.3	6.3	38.9	40.2	40.1
Ventura	34.4	34.1	34.3	10.3	10.3	10.2	58.7	60.2	60.2
Colorado	207.6	205.6	205.7	126.7	132.8	132.8	481.8	499.7	500.6
Boulder-Longmont	32.3	32.4	32.7	3.8	4.3	4.3	34.2	34.9	35.1
Colorado Springs	27.3	27.0	27.0	11.3	12.1	12.1	48.0	50.7	50.8
Denver	93.7	92.3	92.4	89.5	95.5	96.1	254.3	265.2	265.0
Connecticut	279.7	275.3	276.0	75.3	75.8	75.8	348.8	350.2	352.0
Bridgeport	39.6	38.4	38.3	7.0	7.0	7.0	41.6	41.4	41.6
Danbury	19.7	19.1	18.9	2.7	2.7	2.7	21.3	21.2	21.3
Hartford	96.0	94.7	95.4	26.3	27.1	27.0	122.4	123.1	124.1
New Haven-Meriden	39.8	40.2	40.5	16.2	16.6	16.7	52.9	52.9	53.0
New London-Norwich	24.5	23.7	23.9	6.6	6.5	6.5	27.0	27.2	27.2
Stamford-Norwalk	28.1	26.5	26.6	10.6	10.1	10.1	43.4	42.7	42.8
Waterbury	18.9	18.4	18.4	3.7	3.7	3.7	17.7	18.0	17.9
Delaware	59.4	59.5	59.2	16.2	17.2	17.3	82.7	85.0	86.5
Dover	6.0	6.1	6.0	1.9	2.0	2.0	11.9	12.3	12.3
Wilmington-Newark	45.3	45.5	45.3	13.9	14.9	15.0	61.1	61.9	62.7
District of Columbia	12.3	12.1	12.1	16.5	15.6	15.7	46.6	46.7	47.4
Washington PMSA	102.5	103.6	104.0	114.8	119.8	120.5	466.4	468.2	472.3
Florida	492.6	499.4	499.4	330.6	347.1	348.8	1,682.3	1,712.5	1,728.6
Daytona Beach	14.2	14.5	14.6	4.6	5.0	5.0	43.2	43.2	43.8
Fort Lauderdale	39.7	39.9	39.9	29.8	30.7	30.8	180.5	185.6	187.5
Fort Myers-Cape Coral	6.9	7.2	7.3	7.4	7.8	7.8	44.7	46.2	46.2
Gainesville	5.5	5.2	5.2	2.2	2.5	2.5	23.3	24.0	23.9
Jacksonville	38.9	40.3	40.4	38.7	39.4	38.6	127.5	128.5	129.1
Lakeland-Winter Haven	20.3	20.7	20.7	8.7	8.9	8.9	49.0	50.7	51.2
Melbourne-Titusville-Palm Bay	26.7	27.2	27.3	5.3	5.9	5.9	42.4	44.5	44.8
Miami	74.7	75.4	75.5	85.0	87.6	88.2	254.1	257.4	258.4
Orlando	53.0	54.4	54.4	42.5	44.1	44.5	202.4	208.7	210.5
Pensacola	10.7	10.3	10.3	7.3	7.5	7.6	39.3	41.2	42.0
Sarasota-Bradenton	21.0	21.9	21.9	5.0	5.2	5.2	60.5	61.4	62.2
Tallahassee	5.0	4.9	4.9	3.9	4.1	4.1	30.6	30.9	31.0
Tampa-St. Petersburg-Clearwater	88.2	89.2	89.4	48.1	52.6	52.9	262.4	264.6	266.8
West Palm Beach-Boca Raton	31.2	32.8	32.9	15.6	16.4	16.4	120.3	125.9	126.8

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Alabama	86.7	88.0	88.3	439.6	455.3	457.7	352.1	354.3	355.2
Birmingham	35.1	36.4	36.5	139.1	143.0	143.7	69.7	67.7	68.1
Huntsville	4.8	4.7	4.7	48.5	50.3	50.4	39.2	38.3	38.6
Mobile	9.7	10.0	10.0	61.7	63.2	64.6	35.0	35.8	35.8
Montgomery	9.6	9.9	9.9	42.0	44.7	44.8	37.4	37.5	37.4
Tuscaloosa	2.4	2.5	2.5	14.6	14.5	14.6	22.6	22.4	22.7
Alaska	12.1	12.3	12.4	65.1	65.9	66.5	74.5	74.5	74.4
Anchorage	7.3	7.3	7.4	35.5	36.8	37.0	28.7	29.5	28.9
Arizona	134.0	143.5	145.0	616.9	634.6	641.8	353.3	352.1	354.9
Phoenix-Mesa	112.1	121.7	122.4	446.6	452.8	458.0	187.4	190.8	191.8
Tucson	12.6	13.3	13.5	105.3	109.5	110.2	73.7	74.9	75.4
Arkansas	44.8	44.7	45.1	258.8	263.6	266.1	187.8	189.5	190.3
Fayetteville-Springdale-Rogers	5.0	5.3	5.3	27.4	27.7	28.0	19.3	19.6	19.6
Fort Smith	3.1	3.1	3.1	25.0	25.5	25.6	9.9	10.3	10.3
Little Rock-North Little Rock	18.2	17.7	17.9	88.6	89.6	89.9	60.3	60.2	60.7
Pine Bluff	1.3	1.3	1.3	8.6	8.6	8.6	7.8	7.9	8.1
California	790.0	805.5	808.0	4,166.0	4,330.2	4,364.6	2,180.8	2,227.0	2,245.7
Bakersfield	6.9	7.5	7.6	44.1	46.6	46.9	49.5	50.2	50.0
Fresno	13.7	13.9	14.0	69.5	71.7	72.3	66.6	68.3	68.9
Los Angeles-Long Beach	225.7	228.4	229.3	1,291.3	1,318.3	1,325.2	543.9	551.6	557.8
Modesto	4.5	4.5	4.5	33.4	35.2	35.6	23.7	24.2	24.4
Oakland	54.7	55.4	55.9	288.8	297.2	299.0	170.0	173.4	174.2
Orange County	97.4	100.5	101.4	384.5	397.2	402.8	138.7	141.9	143.0
Riverside-San Bernardino	30.0	30.5	30.6	233.8	241.7	242.3	174.7	181.7	181.8
Sacramento	46.4	48.5	48.6	180.1	186.9	188.2	172.3	173.0	174.1
Salinas	5.7	6.1	6.1	33.5	35.1	35.2	29.0	29.0	29.4
San Diego	63.5	64.5	64.7	351.4	363.9	365.3	196.7	201.0	201.8
San Francisco	107.0	106.5	106.3	366.4	381.0	381.5	122.3	124.5	124.8
San Jose	31.7	32.3	32.4	314.8	321.0	324.6	90.1	90.2	91.7
Santa Barbara-Santa Maria-Lompoc	7.6	7.4	7.4	46.8	47.5	48.0	32.5	33.0	33.1
Santa Rosa	9.8	10.5	10.5	48.8	50.9	51.7	26.6	27.2	27.4
Stockton-Lodi	8.6	8.5	8.5	42.8	44.1	43.8	35.0	35.7	35.7
Vallejo-Fairfield-Napa	5.8	6.2	6.2	41.2	42.1	42.3	31.7	32.6	32.8
Ventura	13.1	14.3	14.3	74.8	77.8	78.8	43.9	44.8	44.9
Colorado	133.0	138.4	138.4	616.4	626.9	631.7	325.2	329.0	331.5
Boulder-Longmont	5.8	6.3	6.3	51.9	52.7	53.5	27.2	27.0	27.4
Colorado Springs	12.5	12.8	12.9	72.6	74.7	75.0	36.1	36.5	36.7
Denver	87.4	89.8	90.0	332.2	337.0	339.8	147.9	148.7	149.3
Connecticut	134.4	137.6	138.1	500.8	513.1	514.4	232.3	233.2	235.4
Bridgeport	10.5	10.4	10.6	60.4	60.7	61.4	21.9	21.3	21.4
Danbury	4.7	4.9	5.0	24.6	25.2	25.4	10.6	10.4	10.4
Hartford	70.1	70.4	70.9	172.8	173.3	174.1	95.7	95.5	96.8
New Haven-Meriden	13.5	13.6	13.5	88.0	91.4	90.6	31.4	30.9	31.0
New London-Norwich	3.8	3.8	3.8	34.2	34.9	35.0	35.4	36.2	36.2
Stamford-Norwalk	24.9	25.3	25.4	72.6	74.5	75.3	18.0	17.6	17.7
Waterbury	3.5	3.6	3.6	26.1	26.3	26.4	12.3	12.0	11.9
Delaware	48.3	49.6	49.9	108.5	111.8	112.0	55.0	54.5	55.8
Dover	2.1	2.2	2.2	12.1	12.7	12.9	15.3	15.7	16.1
Wilmington-Newark	42.6	43.7	44.3	88.7	92.0	91.8	39.9	39.6	40.6
District of Columbia	29.0	28.9	29.2	273.7	275.1	277.7	225.4	223.4	222.9
Washington PMSA	138.6	141.5	142.5	981.2	1,021.7	1,030.0	581.8	586.2	587.5
Florida	422.7	438.6	441.8	2,389.6	2,503.7	2,522.5	974.0	986.4	990.4
Daytona Beach	6.7	7.0	7.1	54.6	58.2	58.1	23.2	23.2	23.2
Fort Lauderdale	47.1	49.5	49.6	225.7	229.7	232.0	86.6	86.4	86.7
Fort Myers-Cape Coral	9.0	9.2	9.2	52.7	53.2	53.4	25.6	25.9	26.0
Gainesville	5.1	5.1	5.1	34.4	36.6	37.0	39.3	39.7	39.7
Jacksonville	54.7	57.1	57.1	172.4	179.4	182.6	67.9	69.5	69.2
Lakeland-Winter Haven	8.2	8.8	8.8	49.8	51.5	52.0	26.8	26.4	26.3
Melbourne-Titusville-Palm Bay	6.1	6.4	6.4	65.2	67.1	67.6	25.0	25.4	25.4
Miami	66.5	65.8	66.2	325.4	326.4	327.6	139.8	140.9	141.7
Orlando	47.5	51.5	51.5	350.3	366.3	372.1	88.4	90.7	90.9
Pensacola	6.1	6.1	6.2	49.4	51.8	52.4	29.3	29.6	29.6
Sarasota-Bradenton	12.3	12.8	12.8	112.2	119.3	119.6	24.1	24.6	24.7
Tallahassee	6.0	6.4	6.4	41.1	42.8	43.3	59.6	60.2	60.5
Tampa-St. Petersburg-Clearwater	80.8	86.2	86.8	443.4	481.4	482.0	136.2	140.2	140.8
West Palm Beach-Boca Raton	33.1	35.5	35.6	184.5	199.9	201.7	55.0	55.6	56.0

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	Total			Mining			Construction		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Georgia	3,694.0	3,785.4	3,812.8	7.8	8.0	8.0	171.8	166.8	189.2
Albany	58.9	59.2	59.3	(2)	(2)	(2)	3.2	3.4	3.5
Athens	74.4	73.8	75.0	(1)	(1)	(1)	2.7	2.7	2.7
Atlanta	2,012.6	2,062.2	2,079.6	1.6	1.5	1.5	96.9	103.0	104.8
Augusta-Aiken	193.7	196.7	197.8	.4	.4	.4	11.0	11.8	11.7
Columbus	117.8	119.6	120.4	(1)	(1)	(1)	5.3	5.3	5.5
Macon	147.2	148.9	149.7	1.1	1.1	1.1	6.0	5.8	5.9
Savannah	131.7	134.6	135.4	(1)	(1)	(1)	8.0	8.5	8.6
Hawaii	533.0	529.5	531.3	(1)	(1)	(1)	21.3	20.5	20.4
Honolulu	403.5	398.9	400.4	(1)	(1)	(1)	16.5	15.3	15.3
Idaho	509.8	525.7	528.9	2.8	2.8	2.8	28.2	30.2	31.2
Boise City	198.8	203.0	205.1	(1)	(1)	(1)	12.9	12.5	13.0
Illinois	5,791.0	5,848.9	5,888.5	10.7	10.2	10.3	204.7	212.9	216.5
Bloomington-Normal	81.5	84.1	84.2	(1)	(1)	(1)	2.3	2.5	2.6
Champaign-Urbana	97.9	98.1	98.9	(1)	(1)	(1)	2.9	2.9	2.9
Chicago	4,048.7	4,125.2	4,145.4	1.6	1.6	1.7	141.3	150.4	151.5
Davenport-Moline-Rock Island	179.7	178.9	180.2	(1)	(1)	(1)	8.0	7.8	7.9
Decatur	56.0	56.1	56.3	(1)	(1)	(1)	3.4	3.4	3.5
Kankakee	43.1	43.6	43.6	(1)	(1)	(1)	1.7	1.8	1.8
Peoria-Pekin	171.9	174.1	174.5	(1)	(1)	(1)	7.0	6.9	7.1
Rockford	176.1	175.1	176.6	(1)	(1)	(1)	6.1	6.6	6.7
Springfield	112.2	113.2	113.5	(1)	(1)	(1)	4.1	3.7	3.7
Indiana	2,874.2	2,919.6	2,937.9	6.7	6.9	6.9	131.4	129.8	131.6
Bloomington	65.1	65.0	64.7	(1)	(1)	(1)	2.5	2.6	2.7
Elkhart-Goshen	118.3	122.7	124.2	(1)	(1)	(1)	4.2	4.7	4.8
Evansville-Henderson	152.9	157.7	158.7	1.2	1.2	1.2	10.0	9.8	9.9
Fort Wayne	268.7	270.6	272.1	(1)	(1)	(1)	11.9	12.3	12.6
Gary	261.9	267.7	267.8	(1)	(1)	(1)	17.2	20.6	20.3
Indianapolis	836.5	853.9	858.4	.7	.7	.7	42.2	45.6	46.0
Kokomo	51.4	51.8	52.1	(1)	(1)	(1)	1.8	1.6	1.7
Lafayette	93.8	95.9	95.5	(1)	(1)	(1)	3.5	3.5	3.5
Muncie	59.9	60.2	60.5	(1)	(1)	(1)	2.1	2.2	2.1
South Bend	133.6	135.8	136.4	(1)	(1)	(1)	6.7	6.5	6.7
Terre Haute	66.7	67.4	67.7	.2	(2)	(2)	2.8	3.0	3.0
Iowa	1,413.4	1,440.6	1,452.7	1.9	2.0	2.1	51.3	52.1	53.4
Cedar Rapids	114.9	117.2	117.4	(1)	(1)	(1)	5.7	5.7	5.7
Des Moines	271.6	280.3	281.6	(1)	(1)	(1)	10.3	11.2	11.2
Dubuque	50.4	51.2	51.7	(1)	(1)	(1)	1.3	1.5	1.6
Iowa City	68.2	67.3	68.3	(1)	(1)	(1)	2.1	2.1	2.2
Sioux City	64.9	66.3	66.6	(1)	(1)	(1)	2.5	2.6	2.7
Waterloo-Cedar Falls	72.9	73.7	73.8	(1)	(1)	(1)	2.3	2.2	2.3
Kansas	1,292.2	1,324.8	1,332.3	7.9	6.8	6.8	54.4	60.2	60.6
Lawrence	47.8	48.2	49.1	(1)	(1)	(1)	1.9	1.9	1.9
Topeka	99.7	101.3	101.4	(1)	(1)	(1)	3.6	4.3	4.1
Wichita	283.5	288.0	289.9	1.3	1.2	1.2	13.6	14.7	14.9
Kentucky	1,723.7	1,745.8	1,761.4	23.1	22.5	22.7	76.4	79.3	79.5
Lexington	273.0	277.6	280.5	.3	.3	.2	12.5	13.0	13.3
Louisville	555.5	567.7	572.5	.6	.6	.6	27.4	28.3	28.4
Owensboro	43.5	44.0	44.5	.3	.3	.3	3.1	3.2	3.4
Louisiana	1,873.1	1,901.1	1,910.8	57.6	54.6	54.5	125.4	129.9	132.5
Alexandria	54.5	55.9	55.9	.1	.1	.1	3.2	3.6	3.8
Baton Rouge	287.6	298.9	300.4	1.0	.9	1.0	33.5	34.3	34.4
Houma	78.1	79.5	79.4	7.6	6.5	6.4	4.5	4.2	4.1
Lafayette	164.4	167.4	167.6	17.8	17.4	17.2	9.0	9.1	9.2
Lake Charles	87.5	88.6	88.3	1.3	1.2	1.2	11.1	11.4	11.4
Monroe	68.8	70.8	71.1	.2	.2	.2	3.6	3.5	3.6
New Orleans	615.0	623.6	623.4	15.3	14.9	14.7	33.4	34.6	35.3
Shreveport-Bossier City	171.3	175.3	177.0	2.7	2.4	2.4	9.3	10.0	10.3
Maine	547.7	560.2	562.5	.1	.1	.1	20.6	22.1	22.4
Lewiston-Auburn	41.4	43.2	42.9	(2)	(2)	(2)	1.4	1.4	1.4
Portland	140.5	144.8	145.6	(2)	(2)	(2)	6.0	7.0	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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Georgia	591.8	595.2	594.9	237.8	247.8	249.6	917.5	924.2	935.7
Albany	9.0	8.4	8.3	3.4	3.7	3.7	13.8	13.6	13.7
Athens	11.7	11.5	11.7	1.8	1.8	1.8	18.1	18.2	18.5
Atlanta	220.6	221.9	221.5	170.4	177.3	178.0	530.9	535.6	540.5
Augusta-Aiken	41.3	41.0	40.8	6.7	6.9	7.0	41.1	41.4	42.3
Columbus	22.4	21.9	22.1	4.1	4.1	4.1	25.3	25.4	25.6
Macon	19.8	19.4	19.3	5.4	5.4	5.4	33.4	33.6	34.0
Savannah	18.2	18.3	18.2	8.8	8.7	8.9	32.5	33.7	34.3
Hawaii	16.4	16.1	16.0	41.3	40.2	40.3	132.1	130.5	130.5
Honolulu	12.8	12.5	12.4	33.0	31.7	31.7	97.1	95.2	95.0
Idaho	74.9	75.7	75.3	24.4	26.1	25.9	128.4	132.4	133.1
Boise City	36.5	35.8	36.1	10.1	10.8	10.7	47.2	47.4	48.0
Illinois	976.5	970.0	970.9	342.9	347.9	350.3	1,306.2	1,326.1	1,336.4
Bloomington-Normal	8.6	8.5	8.5	3.1	3.1	3.2	17.5	17.7	17.6
Champaign-Urbana	11.0	11.2	11.3	2.6	2.5	2.5	21.2	21.3	21.2
Chicago	658.2	651.6	651.1	252.0	257.2	258.0	907.2	930.4	933.3
Davenport-Moline-Rock Island	31.5	30.7	31.3	9.9	10.2	10.3	47.4	47.3	47.6
Decatur	13.5	13.7	13.6	5.1	5.2	5.2	12.0	11.8	11.8
Kankakee	8.3	8.2	8.1	2.1	2.1	2.1	10.7	10.7	10.7
Peoria-Pekin	33.3	33.8	33.8	9.9	10.3	10.3	41.2	42.0	41.9
Rockford	53.8	52.9	53.0	8.9	9.0	9.0	36.2	35.9	36.4
Springfield	4.6	4.7	4.8	4.8	4.9	4.9	23.0	23.1	23.2
Indiana	682.1	684.0	684.2	140.7	143.9	145.0	671.8	682.6	685.5
Bloomington	10.0	9.3	9.1	1.8	1.8	1.8	14.4	14.5	14.6
Elkhart-Goshen	59.7	62.8	63.3	2.8	3.0	3.0	21.7	22.6	23.3
Evansville-Henderson	32.1	33.4	33.4	7.3	7.4	7.4	37.3	39.1	39.3
Fort Wayne	75.9	74.6	74.6	12.8	13.0	13.1	62.9	62.8	63.3
Gary	50.0	49.9	49.8	14.5	14.3	14.3	61.0	61.1	61.2
Indianapolis	127.6	129.1	129.0	51.4	53.9	54.7	215.6	218.0	219.8
Kokomo	20.7	20.3	20.4	1.2	1.1	1.1	11.2	11.4	11.4
Lafayette	22.3	22.5	22.2	2.3	2.3	2.3	18.7	19.5	19.3
Muncie	10.7	10.5	10.6	3.4	3.6	3.7	13.5	13.6	13.6
South Bend	22.5	22.6	22.6	5.7	5.8	5.8	34.1	33.0	33.2
Terre Haute	12.0	12.1	12.1	2.9	3.1	3.1	16.0	18.1	18.1
Iowa	258.1	262.6	263.3	67.1	69.9	70.5	342.4	349.8	352.9
Cedar Rapids	22.0	22.4	22.3	8.2	8.4	8.4	25.4	25.1	25.4
Des Moines	25.1	25.0	25.1	13.8	14.7	14.6	70.4	71.9	72.2
Dubuque	11.9	12.1	12.3	2.1	1.8	1.9	12.0	12.2	12.3
Iowa City	5.1	5.4	5.4	2.2	2.1	2.2	13.2	13.3	13.2
Sioux City	13.4	13.6	13.6	3.8	3.8	3.9	15.6	16.1	16.2
Waterloo-Cedar Falls	15.0	14.8	14.7	2.5	2.6	2.6	16.9	17.0	17.1
Kansas	212.4	214.2	213.7	73.7	76.7	76.7	312.2	319.8	322.2
Lawrence	5.6	5.2	5.3	1.2	1.3	1.3	11.4	11.8	11.8
Topeka	10.0	10.1	10.1	5.9	5.8	5.7	21.5	21.8	21.9
Wichita	73.7	74.3	74.7	11.0	11.0	11.0	62.9	63.7	64.1
Kentucky	317.4	319.4	319.4	98.6	102.2	102.8	407.2	410.0	417.7
Lexington	47.2	49.7	49.7	10.9	10.8	10.9	61.1	61.3	62.5
Louisville	88.5	88.3	88.6	41.0	42.9	43.1	135.1	137.4	139.4
Owensboro	7.0	6.9	6.7	2.3	2.3	2.4	10.9	11.0	11.2
Louisiana	190.0	189.4	189.4	111.2	114.9	114.6	432.4	439.5	443.5
Alexandria	3.6	3.5	3.5	2.8	2.8	2.8	12.7	13.2	13.2
Baton Rouge	24.2	24.3	24.2	12.5	13.7	13.6	67.7	69.3	70.4
Houma	8.4	8.5	8.3	8.4	8.9	8.9	18.0	18.6	18.7
Lafayette	15.0	14.6	14.6	10.0	10.2	10.1	41.8	43.9	44.0
Lake Charles	12.1	11.9	11.7	4.5	4.8	4.7	18.4	18.7	18.9
Monroe	7.9	7.8	7.9	3.6	3.7	3.7	16.5	17.4	17.5
New Orleans	48.6	49.4	49.2	41.1	41.4	41.3	150.8	152.4	152.3
Shreveport-Bossier City	19.0	19.0	19.0	8.4	8.7	8.7	38.9	39.8	40.8
Maine	86.6	85.1	84.4	22.8	23.6	23.6	131.8	134.4	135.3
Lewiston-Auburn	7.8	7.9	7.8	1.7	1.7	1.7	10.1	10.5	10.6
Portland	14.6	14.9	15.0	6.8	6.6	6.6	39.5	39.1	39.4

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	Finance, insurance, and real estate			Services			Government		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Georgia	195.9	204.9	206.1	982.8	1,021.8	1,030.3	588.8	596.7	599.0
Albany	2.0	2.1	2.1	14.9	15.1	15.1	12.6	12.9	12.9
Athens	2.4	2.5	2.5	16.3	16.0	16.6	21.4	21.1	21.2
Atlanta	132.2	138.2	139.5	599.3	625.3	632.5	260.7	259.4	261.3
Augusta-Aiken	6.3	6.1	6.3	46.6	48.0	48.3	40.3	41.1	41.0
Columbus	8.0	8.8	8.8	32.0	33.3	33.6	20.7	20.8	20.7
Macon	8.6	9.1	9.1	39.6	39.6	39.8	33.3	34.9	35.1
Savannah	4.5	4.7	4.7	38.9	39.8	39.8	20.8	20.9	20.9
Hawaii	35.4	35.1	34.9	171.4	173.8	174.6	115.1	113.3	114.6
Honolulu	28.4	28.0	27.9	122.9	124.8	125.6	92.8	91.4	92.5
Idaho	22.3	23.4	23.6	124.1	129.4	130.6	104.7	105.7	106.4
Boise City	10.7	11.2	11.2	50.2	52.8	53.2	31.2	32.5	32.9
Illinois	402.0	405.5	407.0	1,720.6	1,759.8	1,772.8	827.4	816.5	824.3
Bloomington-Normal	15.0	16.3	16.5	20.1	20.6	20.6	14.9	15.4	15.2
Champaign-Urbana	3.8	3.9	3.9	21.3	21.4	21.5	35.1	34.9	35.6
Chicago	313.8	316.8	317.4	1,277.8	1,326.1	1,338.4	496.8	491.1	494.0
Davenport-Moline-Rock Island	8.1	8.2	8.2	48.1	48.3	48.4	26.7	26.4	26.5
Decatur	2.0	2.1	2.1	13.4	13.3	13.4	6.6	6.6	6.7
Kankakee	1.7	1.7	1.7	11.8	12.0	12.1	6.8	7.1	7.1
Peoria-Pekin	7.5	7.8	7.8	54.0	54.1	54.3	19.0	19.2	19.3
Rockford	7.1	7.1	7.2	46.3	46.1	46.5	17.7	17.5	17.8
Springfield	7.8	7.7	7.7	33.8	35.1	35.1	34.1	34.0	34.1
Indiana	138.7	145.2	145.5	694.3	709.2	719.1	408.5	418.0	420.1
Bloomington	2.4	2.4	2.4	13.2	13.1	13.2	20.8	21.3	20.9
Elkhart-Goshen	2.8	3.0	3.0	19.0	18.4	18.5	8.1	8.2	8.3
Evansville-Henderson	7.0	7.5	7.6	42.8	43.4	43.9	15.2	15.9	16.0
Fort Wayne	14.6	14.9	14.9	63.4	66.2	66.7	27.2	26.8	26.9
Gary	9.1	9.2	9.3	72.3	72.9	73.0	37.8	39.7	39.9
Indianapolis	62.3	64.3	64.6	228.9	231.9	233.2	107.8	110.4	110.4
Kokomo	1.6	1.5	1.5	8.1	8.8	8.9	7.0	7.1	7.1
Lafayette	4.0	4.1	4.2	18.8	19.1	19.7	24.2	24.9	24.3
Muncie	1.8	1.9	1.9	15.5	15.8	15.9	12.9	12.6	12.7
South Bend	6.8	6.8	6.8	43.9	46.5	46.7	13.9	14.6	14.6
Terre Haute	2.3	2.3	2.3	16.4	16.7	16.9	12.1	12.1	12.2
Iowa	81.2	83.1	83.6	371.8	380.8	365.0	239.6	240.3	241.9
Cedar Rapids	6.2	6.2	6.2	35.8	36.2	35.8	11.6	13.2	13.6
Des Moines	38.4	39.4	39.5	78.2	84.0	84.5	35.4	34.1	34.5
Dubuque	1.8	1.9	1.9	17.5	17.9	17.8	3.8	3.8	3.9
Iowa City	2.1	2.2	2.2	14.9	14.6	14.7	28.6	27.6	28.4
Sioux City	2.7	2.8	2.8	19.1	19.5	19.5	7.8	7.9	7.9
Waterloo-Cedar Falls	3.3	3.0	3.0	19.9	21.0	21.0	13.0	13.1	13.1
Kansas	61.0	62.6	62.7	325.9	338.8	340.2	244.7	245.7	249.4
Lawrence	2.0	2.1	2.1	11.3	11.1	11.3	14.2	14.8	15.4
Topeka	6.7	6.7	6.7	29.2	30.4	30.5	22.8	22.2	22.4
Wichita	11.2	11.6	11.7	75.8	77.2	77.4	34.0	34.3	34.9
Kentucky	69.1	70.2	70.5	433.9	442.3	448.0	298.0	299.9	300.8
Lexington	10.3	10.4	10.4	73.8	75.7	76.8	56.9	56.4	56.7
Louisville	29.3	29.8	29.8	162.8	168.9	171.2	70.8	71.5	71.4
Owensboro	1.9	2.0	2.0	10.8	11.1	11.3	7.2	7.2	7.2
Louisiana	86.3	86.3	86.7	500.2	517.4	519.9	370.0	369.1	369.7
Alexandria	2.4	2.3	2.3	16.4	16.8	16.7	13.3	13.6	13.5
Baton Rouge	17.9	18.2	18.4	72.3	77.5	77.6	58.5	60.7	60.8
Houma	2.1	2.0	2.1	15.7	16.4	16.4	13.4	14.4	14.5
Lafayette	6.2	6.4	6.4	40.9	42.2	42.2	23.7	23.6	23.9
Lake Charles	2.7	2.5	2.5	24.1	24.4	24.3	13.3	13.7	13.6
Monroe	5.1	5.3	5.3	18.8	19.5	19.5	13.1	13.4	13.4
New Orleans	31.5	31.7	31.6	189.0	193.1	192.7	105.3	106.1	106.3
Shreveport-Bossier City	6.4	6.4	6.5	53.4	55.5	56.0	33.2	33.5	33.5
Maine	29.2	30.4	30.5	159.0	167.1	167.9	97.6	97.4	98.3
Lewiston-Auburn	2.1	2.3	2.3	13.3	14.3	14.0	4.9	5.1	5.1
Portland	12.5	13.2	13.2	42.2	44.7	44.8	18.9	19.3	19.4

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Maryland	2,288.5	2,322.4	2,342.8	1.3	1.3	1.3	132.3	137.0	138.8
Baltimore PMSA	1,174.0	1,190.7	1,195.9	.3	.4	.4	60.5	61.4	61.8
Baltimore City	398.1	404.9	407.3	(1)	(1)	(1)	11.3	12.3	12.5
Suburban Maryland-D.C.	845.1	859.5	865.8	(1)	(1)	(1)	58.6	61.7	62.6
Massachusetts	3,126.2	3,157.0	3,173.9	1.2	1.2	1.2	95.0	100.7	103.3
Barnstable-Yarmouth	52.0	54.1	54.6	(1)	(1)	(1)	2.5	2.7	2.7
Boston	1,916.1	1,938.6	1,946.8	.4	.4	.4	54.3	58.5	59.7
Brockton	93.5	97.0	97.5	(2)	(2)	(2)	3.0	3.4	3.5
Fitchburg-Leominster	51.8	52.0	52.7	(2)	(2)	(2)	1.4	1.6	1.7
Lawrence	151.0	150.7	151.8	(2)	(2)	(2)	5.2	5.3	5.4
Lowell	116.4	120.5	120.7	(1)	(1)	(1)	4.7	4.6	4.6
New Bedford	63.4	65.8	65.8	(2)	(2)	(2)	2.1	2.3	2.3
Pittsfield	40.9	41.7	41.6	.1	.1	.1	1.4	1.5	1.5
Springfield	250.8	251.8	253.3	.1	.1	.1	6.7	6.9	7.0
Worcester	226.1	226.9	228.6	.2	.2	.2	6.5	6.4	6.5
Michigan	4,456.8	4,489.6	4,512.3	7.5	7.0	7.1	163.8	166.2	168.7
Ann Arbor	272.1	274.6	276.6	(1)	(1)	(1)	9.3	9.1	9.3
Benton Harbor	69.6	70.0	70.5	(1)	(1)	(1)	2.2	2.2	2.3
Detroit	2,094.4	2,112.0	2,124.7	.9	.9	.9	73.3	79.4	80.2
Flint	176.3	175.7	176.6	(1)	(1)	(1)	6.6	7.4	7.5
Grand Rapids-Muskegon-Holland	555.5	567.1	572.0	(1)	(1)	(1)	22.9	24.7	25.4
Jackson	60.5	61.0	61.3	(1)	(1)	(1)	2.1	2.1	2.2
Kalamazoo-Battle Creek	209.9	210.4	211.5	(1)	(1)	(1)	7.6	7.5	7.8
Lansing-East Lansing	232.4	234.1	232.5	(1)	(1)	(1)	7.9	7.5	7.9
Saginaw-Bay City-Midland	174.7	176.9	177.4	(1)	(1)	(1)	8.0	8.1	8.2
Minnesota	2,503.5	2,543.5	2,554.3	7.4	7.4	7.5	82.5	89.1	90.5
Duluth-Superior	109.7	112.4	112.1	4.8	4.8	4.8	3.3	3.7	3.6
Minneapolis-St. Paul	1,626.7	1,674.4	1,684.6	(2)	(2)	(2)	53.7	58.1	59.0
Rochester	76.4	77.9	78.6	(1)	(1)	(1)	2.7	2.9	2.9
St. Cloud	85.9	87.1	87.4	(1)	(1)	(1)	3.4	3.7	3.8
Mississippi	1,119.3	1,128.0	1,131.7	6.3	6.2	6.3	51.3	55.6	55.7
Jackson	224.8	224.3	225.7	(2)	(2)	(2)	10.5	11.0	11.2
Missouri	2,646.1	2,673.4	2,690.9	4.6	4.9	5.0	113.3	125.4	126.6
Kansas City	928.0	954.1	957.7	(1)	(1)	(1)	42.9	47.9	48.6
St. Louis	1,295.2	1,302.4	1,309.3	(1)	(1)	(1)	61.4	64.9	67.2
Springfield	160.7	164.5	165.8	(1)	(1)	(1)	6.7	6.8	7.0
Montana	362.2	368.7	372.0	5.0	5.0	4.9	15.8	15.7	16.1
Nebraska	858.0	871.0	872.0	1.1	1.1	1.1	35.6	38.0	37.4
Lincoln	145.3	147.7	148.4	(1)	(1)	(1)	5.9	6.3	6.3
Omaha	394.6	402.6	402.3	(1)	(1)	(1)	17.1	18.6	18.4
Nevada	903.6	942.5	948.1	13.4	13.0	13.0	79.5	83.7	84.4
Las Vegas	646.2	682.5	684.6	2.0	2.2	2.2	64.2	67.9	68.6
Reno	178.4	180.8	182.4	.5	.5	.5	11.2	12.0	12.0
New Hampshire	577.7	588.3	588.6	.4	.4	.4	20.1	21.5	21.8
Manchester	98.8	100.5	101.1	(1)	(1)	(1)	4.2	4.1	4.1
Nashua	92.8	93.6	93.6	(1)	(1)	(1)	2.8	2.9	2.9
Portsmouth-Rochester	114.3	116.8	116.8	(1)	(1)	(1)	3.3	3.9	3.9
New Jersey	3,737.5	3,782.2	3,808.3	1.9	1.9	1.9	124.0	123.5	127.4
Atlantic-Cape May	172.6	171.5	173.5	(1)	(1)	(1)	6.4	6.2	6.5
Bergen-Passaic	645.1	653.6	658.2	(1)	(1)	(1)	20.9	20.6	20.9
Camden	476.2	484.7	488.5	(1)	(1)	(1)	20.7	20.7	21.3
Jersey City	242.5	244.2	244.5	(1)	(1)	(1)	4.8	4.7	5.0
Middlesex-Somerset-Hunterdon	612.5	620.8	624.7	.5	.5	.5	17.6	17.3	18.0
Monmouth-Ocean	358.4	359.7	364.7	(1)	(1)	(1)	17.2	16.4	17.5
Newark	952.1	969.0	972.6	.7	.7	.8	29.5	30.1	30.3
Trenton	198.4	196.9	197.6	(1)	(1)	(1)	4.5	4.4	4.5
Vineland-Millville-Bridgeton	58.1	58.3	58.5	.3	.3	.3	1.8	1.9	1.9
New Mexico	716.1	720.4	726.5	15.4	13.6	13.6	41.8	42.0	42.7
Albuquerque	335.6	338.8	341.0	(1)	(1)	(1)	21.4	21.1	21.7
Las Cruces	52.7	53.2	54.1	(1)	(1)	(1)	3.1	3.2	3.3
Santa Fe	71.2	71.8	72.4	(1)	(1)	(1)	3.3	3.2	3.3

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Maryland	178.7	176.0	176.0	106.9	109.6	110.6	529.3	525.4	530.6
Baltimore PMSA	101.2	100.4	100.0	57.1	58.2	58.1	266.6	264.9	265.8
Baltimore City	30.9	29.5	29.6	19.5	20.0	20.3	62.0	62.9	63.0
Suburban Maryland-D.C.	39.5	39.4	39.5	35.1	36.5	37.1	197.6	195.7	198.2
Massachusetts	452.1	435.1	434.9	134.8	136.4	136.4	695.4	710.2	713.2
Barnstable-Yarmouth	2.0	2.2	2.2	2.8	2.9	2.9	16.4	17.4	17.4
Boston	226.5	216.3	216.0	82.9	85.2	85.2	405.5	415.2	416.1
Brockton	10.6	10.2	10.1	4.8	4.6	4.7	31.1	32.5	32.6
Fitchburg-Leominster	13.7	13.4	13.5	2.1	2.1	2.1	12.0	12.3	12.5
Lawrence	39.5	37.3	37.4	5.2	5.4	5.5	34.1	35.1	35.6
Lowell	28.7	28.5	28.4	6.8	7.5	7.5	24.6	25.8	25.8
New Bedford	13.2	13.2	13.2	3.7	3.9	3.9	16.0	16.6	16.6
Pittsfield	7.4	7.4	7.4	1.3	1.3	1.3	10.0	10.3	10.3
Springfield	38.8	38.3	38.5	10.0	10.0	10.0	57.7	58.5	58.8
Worcester	41.7	40.8	40.8	9.4	9.3	9.4	50.4	50.8	51.7
Michigan	970.7	958.7	962.6	175.4	176.8	177.7	1,037.1	1,054.8	1,058.5
Ann Arbor	52.9	52.9	52.9	6.4	6.7	6.7	54.3	54.7	55.0
Benton Harbor	19.5	19.5	19.4	2.9	2.9	2.9	15.2	15.1	15.5
Detroit	444.4	433.8	436.7	96.2	95.5	95.9	489.0	498.4	500.7
Flint	40.5	38.7	38.8	5.8	5.8	5.9	43.0	43.2	43.5
Grand Rapids-Muskegon-Holland ..	157.3	158.9	159.4	19.0	19.3	19.4	136.6	140.8	142.4
Jackson	12.7	12.8	12.8	3.5	3.5	3.5	15.3	15.5	15.5
Kalamazoo-Battle Creek	49.5	49.3	49.3	7.2	7.4	7.4	45.3	45.6	45.9
Lansing-East Lansing	29.4	28.5	28.5	6.0	5.9	5.9	51.2	52.0	52.0
Saginaw-Bay City-Midland	39.6	39.7	39.2	7.2	7.2	7.2	43.2	43.4	43.9
Minnesota	439.9	437.7	438.4	126.9	129.4	129.4	593.7	605.8	607.9
Duluth-Superior	8.4	8.5	8.6	6.8	7.4	7.3	26.7	26.8	26.8
Minneapolis-St. Paul	277.5	279.4	280.6	90.9	94.4	94.5	381.3	395.2	397.0
Rochester	13.3	13.3	13.4	2.4	2.4	2.4	14.7	15.3	15.5
St. Cloud	16.0	15.8	15.9	3.3	3.4	3.4	25.3	25.8	25.8
Mississippi	242.9	241.0	240.6	53.3	54.0	53.9	241.5	242.9	246.2
Jackson	20.2	19.4	20.0	16.5	16.4	16.3	54.9	53.4	53.9
Missouri	418.5	416.8	416.0	165.6	166.0	166.0	620.1	622.3	630.0
Kansas City	107.0	107.2	107.3	76.1	78.5	78.5	226.6	231.0	232.4
St. Louis	196.0	193.2	192.5	82.8	82.3	82.8	303.6	306.2	308.7
Springfield	23.4	23.7	23.8	11.3	11.2	11.5	45.1	45.0	45.3
Montana	23.4	24.6	24.3	21.3	21.7	21.7	97.0	97.6	98.4
Nebraska	118.7	117.8	117.5	54.5	58.2	56.5	205.8	209.6	209.3
Lincoln	17.9	17.8	17.7	9.7	9.8	9.8	30.1	30.7	30.7
Omaha	39.3	39.6	39.5	28.8	30.3	30.5	93.8	97.2	96.8
Nevada	41.5	41.8	42.1	47.1	48.2	48.5	183.9	192.5	193.8
Las Vegas	22.4	22.8	22.8	33.7	34.8	35.0	134.5	141.2	141.9
Reno	13.6	13.6	13.8	11.8	11.6	11.9	39.9	41.1	41.3
New Hampshire	110.1	107.1	106.8	19.7	20.9	20.8	146.5	150.7	150.1
Manchester	14.8	14.9	15.0	5.6	5.9	6.0	23.9	24.8	25.0
Nashua	28.4	27.3	27.4	2.4	3.0	3.0	22.2	22.7	22.8
Portsmouth-Rochester	19.2	18.4	18.4	3.9	3.8	3.8	29.4	30.3	30.4
New Jersey	478.5	467.0	466.7	258.0	262.3	262.8	861.9	877.3	880.3
Atlantic-Cape May	6.2	6.0	5.7	7.1	6.7	6.8	32.8	32.7	33.5
Bergen-Passaic	105.7	103.4	103.2	36.2	36.9	37.2	174.8	177.0	177.7
Camden	55.2	54.4	54.2	22.3	23.0	23.0	124.1	128.1	128.8
Jersey City	26.9	25.9	26.1	29.4	30.2	30.0	57.5	57.6	57.2
Middlesex-Somerset-Hunterdon ..	93.7	91.4	91.8	48.8	48.5	48.5	141.5	144.0	143.8
Monmouth-Ocean	21.0	20.1	20.3	20.3	19.7	19.6	93.8	95.4	96.2
Newark	134.5	133.8	134.1	80.8	84.3	84.0	190.6	193.7	194.2
Trenton	18.4	16.6	16.7	7.4	7.1	7.0	31.8	32.3	32.2
Vineland-Milville-Bridgeton	12.6	12.3	12.4	2.6	2.6	2.6	11.4	11.5	11.5
New Mexico	45.3	43.5	43.5	33.2	34.1	34.3	167.1	168.6	170.0
Albuquerque	29.1	27.8	28.1	16.0	16.9	17.0	80.8	80.6	81.2
Las Cruces	2.7	2.9	2.9	2.0	2.2	2.2	10.8	10.6	10.7
Santa Fe	2.1	1.9	1.9	1.2	1.3	1.3	14.8	14.7	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	Finance, insurance, and real estate			Services			Government		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Maryland	133.0	135.7	136.3	771.0	792.9	800.8	436.0	444.5	448.4
Baltimore PMSA	73.2	76.3	76.2	397.6	409.1	412.2	217.5	220.0	221.4
Baltimore City	33.4	35.8	36.1	152.9	157.7	158.7	88.1	86.7	87.1
Suburban Maryland-D.C.	50.8	51.3	51.5	294.8	302.5	304.0	168.7	172.4	172.9
Massachusetts	213.8	218.4	219.4	1,120.1	1,134.1	1,143.1	413.8	420.9	422.4
Barnstable-Yarmouth	2.9	2.8	2.8	17.9	18.2	18.6	7.5	7.9	8.0
Boston	159.9	164.7	165.0	755.6	762.8	767.9	231.0	235.5	236.5
Brockton	3.1	3.2	3.2	24.8	26.2	26.3	16.1	16.9	17.1
Fitchburg-Leominster	1.5	1.5	1.5	13.0	12.6	12.9	8.1	8.5	8.5
Lawrence	4.4	4.6	4.6	43.1	43.0	43.2	19.5	20.0	20.1
Lowell	3.3	3.5	3.5	32.5	34.6	34.5	15.8	16.0	16.2
New Bedford	1.7	1.8	1.7	16.8	17.9	18.1	9.9	10.1	10.0
Pittsfield	1.8	1.9	1.9	13.8	13.9	13.8	5.1	5.3	5.3
Springfield	12.8	12.8	12.8	78.5	78.3	79.2	46.2	46.9	46.9
Worcester	14.7	14.1	14.1	67.9	69.2	69.6	35.3	36.1	36.3
Michigan	209.1	207.3	207.8	1,217.7	1,240.4	1,248.4	675.5	678.4	681.5
Ann Arbor	10.0	10.0	10.1	65.7	66.8	67.3	73.5	74.4	75.3
Benton Harbor	2.3	2.3	2.3	18.7	18.9	19.0	8.6	9.1	9.1
Detroit	113.1	113.0	113.2	640.6	653.2	658.7	236.9	237.8	238.4
Flint	6.5	6.5	6.5	48.4	48.3	48.5	25.5	25.8	25.9
Grand Rapids-Muskegon-Holland	23.0	24.2	24.4	140.4	141.0	142.3	56.3	58.2	58.7
Jackson	1.9	1.9	1.9	14.6	14.6	14.7	10.4	10.6	10.7
Kalamazoo-Battle Creek	10.6	10.3	10.3	53.3	53.6	54.0	36.4	36.7	36.8
Lansing-East Lansing	13.8	14.4	14.4	57.0	57.8	57.9	67.1	68.0	65.9
Saginaw-Bay City-Midland	6.7	6.7	6.7	47.2	48.7	49.0	22.8	23.1	23.2
Minnesota	151.9	157.9	158.1	711.5	722.5	727.6	389.7	393.7	394.9
Duluth-Superior	3.3	3.4	3.5	32.1	33.5	33.2	24.3	24.2	24.3
Minneapolis-St. Paul	120.0	126.6	127.3	476.1	489.9	494.9	226.7	230.4	230.8
Rochester	2.4	2.3	2.3	33.6	34.4	34.8	7.3	7.3	7.3
St. Cloud	3.2	3.3	3.4	21.7	22.2	22.3	13.0	12.9	12.8
Mississippi	42.5	42.3	42.0	259.6	258.2	259.1	221.9	227.8	227.9
Jackson	16.1	16.5	16.5	59.2	59.2	59.3	46.5	47.4	47.5
Missouri	159.2	163.7	164.0	741.6	747.3	752.2	423.2	427.0	431.1
Kansas City	66.4	68.9	69.0	272.7	282.3	283.3	136.3	138.3	138.6
St. Louis	81.7	82.4	82.6	408.6	417.4	418.5	181.1	158.0	157.0
Springfield	7.5	7.6	7.6	48.0	49.0	49.3	18.7	21.2	21.3
Montana	16.6	17.2	17.2	103.0	106.8	107.7	60.1	60.1	61.7
Nebraska	56.2	58.7	58.5	232.0	236.7	238.3	154.1	150.9	151.4
Lincoln	9.5	10.1	10.1	38.9	40.1	40.6	33.3	32.9	33.2
Omaha	33.0	34.3	34.1	130.3	132.1	132.4	52.3	50.5	50.6
Nevada	42.6	44.9	45.1	383.4	401.5	403.7	112.2	116.9	117.5
Las Vegas	32.0	34.0	34.2	286.8	304.6	304.9	70.6	75.0	75.0
Reno	8.2	8.7	8.7	69.0	68.9	69.5	24.2	24.4	24.7
New Hampshire	30.9	31.3	31.5	167.8	174.2	174.6	82.2	82.2	82.6
Manchester	7.2	7.0	7.0	31.9	32.3	32.4	11.2	11.5	11.8
Nashua	5.1	5.6	5.6	23.3	23.8	23.5	8.6	8.3	8.4
Portsmouth-Rochester	6.5	6.7	6.6	30.3	31.3	31.3	21.7	22.4	22.2
New Jersey	243.9	251.6	252.4	1,189.1	1,223.6	1,238.6	580.2	575.0	578.2
Atlantic-Cape May	5.8	5.6	5.5	85.7	85.7	86.7	28.6	28.6	28.8
Bergen-Passaic	36.3	37.7	37.9	198.3	207.1	209.7	72.9	70.9	71.6
Camden	24.2	26.2	26.7	148.3	151.8	153.5	61.4	60.5	61.0
Jersey City	26.2	27.4	27.5	59.1	59.8	60.0	38.6	38.6	38.7
Middlesex-Somerset-Hunterdon	45.4	45.9	46.2	185.3	193.2	195.3	79.7	80.0	80.6
Monmouth-Ocean	18.2	18.3	18.5	123.0	126.4	128.5	64.9	63.4	64.1
Newark	73.2	75.5	75.7	299.6	307.8	309.5	143.2	143.1	144.0
Trenton	11.0	11.0	10.9	72.6	73.6	74.6	52.7	51.9	51.7
Vineland-Milville-Bridgeton	2.9	2.9	2.9	12.4	12.6	12.6	14.1	14.2	14.3
New Mexico	31.4	31.9	32.0	199.2	206.8	208.5	182.7	179.9	181.9
Albuquerque	16.7	17.0	17.1	105.8	108.9	109.4	65.8	66.5	66.5
Las Cruces	2.0	2.0	2.0	11.6	13.9	14.1	20.5	18.4	18.9
Santa Fe	3.3	3.4	3.4	21.5	21.7	22.0	25.0	25.6	25.6

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	Total			Mining			Construction		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
New York	8,124.1	8,195.5	8,261.2	4.0	3.7	3.9	252.2	258.2	266.2
Albany-Schenectady-Troy	432.9	436.6	438.5	.4	.4	.4	13.4	13.8	13.9
Binghamton	113.1	114.2	114.8	(1)	(1)	(1)	3.0	3.4	3.4
Buffalo-Niagara Falls	539.9	538.7	541.1	(1)	(1)	(1)	16.6	16.6	17.1
Dutchess County	107.7	109.6	110.6	(1)	(1)	(1)	4.1	3.9	4.0
Elmira	42.8	43.2	43.3	(1)	(1)	(1)	1.3	1.5	1.5
Glens Falls	46.5	47.9	47.7	(1)	(1)	(1)	1.5	1.6	1.6
Nassau-Suffolk	1,130.7	1,139.1	1,156.5	(1)	(1)	(1)	48.1	50.7	52.8
New York PMSA	4,004.9	4,059.5	4,095.3	(1)	(1)	(1)	119.6	123.3	127.3
New York City	3,490.2	3,538.8	3,569.0	.3	.3	.3	94.8	98.3	101.0
Newburgh	121.3	123.7	125.0	(1)	(1)	(1)	3.9	4.2	4.1
Rochester	531.7	531.2	533.6	.3	.3	.3	16.4	16.3	16.3
Rockland County	103.2	105.4	106.8	(1)	(1)	(1)	4.4	4.5	4.7
Syracuse	334.8	337.6	339.1	(1)	(1)	(1)	10.9	10.7	10.9
Utica-Rome	126.7	128.5	128.6	(1)	(1)	(1)	2.6	2.8	2.8
Westchester County	390.7	393.7	397.9	(1)	(1)	(1)	18.6	18.9	19.8
North Carolina	3,711.6	3,805.4	3,822.0	4.0	3.9	4.0	203.4	214.2	215.4
Asheville	108.0	111.3	112.5	(1)	(1)	(1)	5.6	6.5	6.5
Charlotte-Gastonia-Rock Hill	764.8	783.5	788.5	(1)	(1)	(1)	47.1	48.6	49.5
Greensboro--Winston-Salem--High Point	637.7	652.4	656.3	(1)	(1)	(1)	31.6	33.3	33.3
Raleigh-Durham-Chapel Hill	637.5	669.8	673.9	(1)	(1)	(1)	35.2	39.9	40.6
North Dakota	314.8	314.9	315.4	3.8	3.6	3.6	12.3	12.1	12.1
Bismarck	48.3	49.0	49.2	(1)	(1)	(1)	2.2	2.2	2.2
Fargo-Moorhead	97.7	98.9	99.1	(1)	(1)	(1)	4.7	4.6	4.8
Grand Forks	48.1	48.2	48.1	(1)	(1)	(1)	2.5	2.5	2.5
Ohio	5,398.6	5,410.6	5,445.5	12.9	12.7	12.9	202.6	201.5	205.0
Akron	320.6	323.2	324.4	.5	.5	.5	11.9	12.3	12.4
Canton-Massillon	181.0	183.0	183.9	.5	.5	.5	8.0	8.5	8.6
Cincinnati	848.3	861.3	870.0	.7	.7	.7	36.3	36.3	37.0
Cleveland-Lorain-Elyria	1,136.7	1,142.4	1,146.5	.8	1.0	1.0	39.2	39.6	40.0
Columbus	823.5	833.0	836.7	.6	.6	.6	32.2	33.2	33.6
Dayton-Springfield	475.3	474.6	476.5	.3	.3	.3	16.0	16.8	16.9
Hamilton-Middletown	122.4	122.6	123.4	(1)	(1)	(1)	6.4	6.9	7.0
Lima	76.8	77.3	77.9	(1)	(1)	(1)	3.5	3.9	3.9
Mansfield	79.4	79.5	80.1	(1)	(1)	(1)	2.4	2.4	2.4
Steubenville-Weirton	50.8	49.4	50.5	.4	.4	.4	1.6	1.5	1.5
Toledo	317.9	320.2	322.1	.2	.2	.2	13.7	14.5	14.8
Youngstown-Warren	243.8	244.4	246.1	.4	.4	.4	8.8	9.5	9.9
Oklahoma	1,427.2	1,451.6	1,462.3	33.1	30.5	30.3	52.2	53.4	54.4
Enid	24.3	24.3	24.4	.9	.7	.7	1.0	.9	.9
Lawton	38.0	38.2	38.7	.1	.1	.1	1.3	1.4	1.5
Oklahoma City	508.1	519.3	522.4	7.5	6.9	6.8	19.1	19.3	19.3
Tulsa	386.6	399.5	402.1	7.8	7.8	7.8	15.5	15.9	16.3
Oregon	1,531.6	1,559.1	1,569.5	1.7	1.7	1.7	77.1	79.2	80.3
Eugene-Springfield	138.2	140.8	141.6	.2	.2	.2	6.7	6.8	6.9
Medford-Ashland	67.3	69.6	70.3	.1	.1	.1	3.0	3.2	3.3
Portland-Vancouver	928.5	944.5	950.1	1.1	1.2	1.2	51.4	53.3	53.9
Salem	131.4	132.5	133.3	.3	.2	.2	7.1	7.2	7.3
Pennsylvania	5,428.6	5,459.5	5,488.9	20.1	20.0	20.0	195.8	203.7	208.9
Allentown-Bethlehem-Easton	270.7	273.3	275.6	(1)	(1)	(1)	9.9	10.1	10.4
Altoona	57.7	59.2	59.5	(1)	(1)	(1)	2.3	2.5	2.6
Erie	129.0	131.1	130.5	(1)	(1)	(1)	3.8	4.1	3.9
Harrisburg-Lebanon-Carlisle	351.8	357.1	358.5	(1)	(1)	(1)	12.9	13.1	13.5
Johnstown	85.6	86.6	87.5	(1)	(1)	(1)	3.8	3.8	3.9
Lancaster	213.7	216.7	218.0	.4	.4	.4	11.8	12.5	12.7
Philadelphia PMSA	2,291.3	2,305.2	2,315.5	(1)	(1)	(1)	83.0	85.7	88.1
Philadelphia City	672.1	674.1	672.2	(1)	(1)	(1)	10.2	9.2	9.7
Pittsburgh	1,073.3	1,085.2	1,090.6	4.7	4.1	4.2	44.0	45.0	46.4
Reading	164.7	165.2	166.1	(1)	(1)	(1)	6.5	6.5	6.5
Scranton--Wilkes-Barre--Hazleton	274.4	275.6	276.8	.4	.4	.4	9.1	9.0	9.2
Sharon	48.3	48.6	48.8	(1)	(1)	(1)	1.2	1.2	1.2
State College	68.5	69.6	69.4	(1)	(1)	(1)	2.2	2.0	2.1
Williamsport	53.0	53.8	54.0	(1)	(1)	(1)	1.9	1.8	1.9
York	163.3	163.8	164.7	.4	.4	.4	7.9	7.9	8.1

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
New York	915.3	902.2	904.6	408.2	410.8	412.3	1,620.8	1,631.2	1,641.0
Albany-Schenectady-Troy	39.3	38.6	38.9	17.1	17.3	17.4	89.3	89.7	90.2
Binghamton	24.9	24.0	24.0	4.9	5.0	5.0	24.1	24.5	24.5
Buffalo-Niagara Falls	88.7	88.1	87.7	25.5	25.5	25.6	127.2	127.3	127.7
Dutchess County	17.6	18.1	18.0	3.8	4.1	4.2	20.0	20.5	20.7
Elmira	9.8	9.5	9.4	1.5	1.5	1.5	10.0	10.2	10.3
Glens Falls	8.1	8.0	8.0	1.3	1.3	1.4	10.5	10.9	11.0
Nassau-Suffolk	113.4	113.9	114.6	52.4	52.2	52.8	286.1	286.2	290.2
New York PMSA	312.5	307.3	309.8	232.8	233.5	234.1	690.2	697.3	701.9
New York City	261.0	255.2	257.2	206.0	206.4	207.0	577.3	582.7	586.5
Newburgh	12.2	12.2	12.2	7.0	7.3	7.3	32.8	33.8	34.2
Rochester	124.5	120.0	120.8	17.1	17.4	17.5	111.0	110.7	111.7
Rockland County	11.8	11.9	12.1	5.8	6.0	6.0	23.4	24.6	24.8
Syracuse	50.1	50.5	50.3	19.1	19.7	19.7	75.1	75.4	75.9
Utica-Rome	20.0	20.3	20.2	3.8	3.7	3.7	25.0	25.1	25.3
Westchester County	37.8	38.2	38.6	20.3	20.4	20.5	85.3	85.6	86.2
North Carolina	828.2	812.8	811.0	169.0	173.8	174.2	831.7	860.2	866.4
Asheville	19.4	19.1	18.9	4.7	4.8	4.9	26.4	27.3	27.7
Charlotte-Gastonia-Rock Hill	143.1	140.1	140.0	51.1	49.4	49.2	180.8	182.5	184.2
Greensboro-Winston-Salem-High Point	161.7	162.4	162.2	34.0	35.8	35.9	143.8	146.0	146.6
Raleigh-Durham-Chapel Hill	83.5	84.4	83.9	27.5	28.9	29.1	131.8	139.1	140.0
North Dakota	23.9	23.5	23.4	18.2	17.7	17.6	79.5	79.6	80.4
Bismarck	2.6	2.6	2.6	3.0	3.1	3.1	11.8	11.8	12.0
Fargo-Moorhead	8.0	7.8	7.7	5.2	5.1	5.0	27.6	27.8	27.9
Grand Forks	3.7	4.0	4.0	2.2	2.1	2.1	12.9	13.0	13.2
Ohio	1,098.8	1,086.3	1,084.7	236.2	238.8	240.2	1,297.7	1,302.3	1,313.7
Akron	65.7	64.5	64.4	14.8	14.8	14.9	79.0	80.5	80.8
Canton-Massillon	47.0	46.9	47.0	5.1	5.0	5.2	44.2	44.4	44.9
Cincinnati	141.6	142.5	142.8	46.1	47.7	47.4	215.5	219.4	221.4
Cleveland-Lorain-Elyria	224.2	220.4	221.1	44.9	45.3	45.7	268.5	270.1	271.2
Columbus	92.9	93.2	93.2	37.0	37.9	37.8	214.5	213.4	214.5
Dayton-Springfield	100.4	96.9	96.8	21.2	21.1	21.0	108.3	108.5	109.4
Hamilton-Middletown	22.3	22.0	22.0	4.7	4.7	4.7	32.6	32.3	32.2
Lima	19.7	19.5	19.6	3.2	3.4	3.4	17.9	18.1	18.4
Mansfield	23.2	23.5	23.5	3.5	3.3	3.3	17.7	17.5	17.7
Steubenville-Weirton	13.7	12.6	12.7	2.6	2.8	2.8	10.6	10.8	10.8
Toledo	81.6	59.5	58.9	14.0	15.2	15.2	77.1	78.3	78.7
Youngstown-Warren	57.2	55.9	55.6	10.5	10.7	10.7	61.4	61.8	62.2
Oklahoma	185.5	186.0	186.5	81.0	83.7	83.9	325.9	330.4	333.7
Enid	2.2	2.3	2.4	2.1	2.2	2.2	6.0	6.1	6.2
Lawton	3.7	3.8	3.8	1.6	1.6	1.6	8.9	8.9	8.9
Oklahoma City	54.7	54.9	54.8	23.7	24.4	24.2	118.4	121.4	122.1
Tulsa	58.4	58.5	58.5	31.5	33.9	33.9	89.5	92.3	93.1
Oregon	243.1	236.6	237.1	75.3	77.3	77.7	372.3	376.8	380.1
Eugene-Springfield	21.7	22.1	22.2	4.5	4.4	4.4	33.8	34.5	34.6
Medford-Ashland	9.0	8.7	8.7	3.3	3.5	3.5	19.0	20.0	20.1
Portland-Vancouver	150.8	144.1	145.2	53.1	54.4	54.6	227.8	231.5	232.9
Salem	16.9	16.1	16.1	3.8	3.8	3.8	27.7	28.0	28.1
Pennsylvania	942.0	929.7	930.3	284.3	287.4	288.1	1,201.6	1,210.8	1,220.4
Allentown-Bethlehem-Easton	57.0	55.7	56.1	15.9	16.0	16.2	56.7	58.4	58.3
Altoona	10.1	10.1	10.1	4.3	4.5	4.5	15.4	15.6	15.8
Erie	34.3	34.5	34.5	4.8	4.7	4.7	28.3	28.7	28.5
Harrisburg-Lebanon-Carlisle	46.6	46.8	48.8	23.6	24.4	24.4	78.1	79.6	79.9
Johnstown	13.0	12.8	12.9	5.1	5.1	5.2	19.3	20.4	20.5
Lancaster	57.2	56.7	56.4	8.1	8.0	8.0	52.5	52.9	53.5
Philadelphia PMSA	306.3	300.8	300.5	109.4	111.5	110.8	496.8	501.9	504.7
Philadelphia City	57.8	56.6	58.5	33.7	35.8	35.7	110.2	109.9	110.6
Pittsburgh	138.7	140.5	138.9	67.3	68.8	69.1	252.8	253.3	255.1
Reading	43.6	41.9	42.4	8.4	8.9	9.0	37.9	37.7	37.8
Scranton-Wilkes-Barre-Hazleton	54.7	55.1	55.2	16.1	16.3	16.2	64.9	65.1	65.7
Sharon	11.7	11.7	11.7	2.0	1.9	1.9	12.3	12.3	12.4
State College	9.0	9.0	8.9	2.0	2.1	2.1	12.5	12.9	12.9
Williamsport	13.4	13.6	13.6	2.0	2.2	2.2	12.6	13.1	13.1
York	48.3	47.1	47.1	8.2	8.6	8.6	38.7	39.6	40.1

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
New York	727.0	732.8	734.7	2,756.0	2,823.0	2,854.8	1,440.4	1,433.6	1,443.7
Albany-Schenectady-Troy	25.8	25.7	25.7	137.5	141.0	141.7	110.1	110.1	110.2
Binghamton	3.7	3.8	3.8	29.8	30.6	31.0	22.7	22.9	23.0
Buffalo-Niagara Falls	29.3	29.4	29.4	163.6	163.6	164.7	88.9	88.2	88.8
Dutchess County	4.6	4.7	5.0	34.6	35.1	35.4	23.0	23.3	23.3
Elmira	1.2	1.2	1.2	11.6	11.8	11.8	7.3	7.4	7.5
Glens Falls	2.0	2.3	2.3	13.0	13.2	13.0	10.1	10.5	10.4
Nassau-Suffolk	77.9	78.3	79.0	365.7	371.3	378.8	187.0	186.4	188.3
New York PMSA	511.7	517.3	518.3	1,492.2	1,544.6	1,561.4	645.8	636.1	642.6
New York City	478.2	484.0	484.8	1,311.0	1,360.3	1,374.7	581.7	551.7	557.6
Newburgh	5.5	5.4	5.5	31.9	32.4	32.5	28.0	28.5	29.2
Rochester	20.9	20.4	20.6	158.1	162.6	162.8	83.5	83.6	83.7
Rockland County	5.1	5.0	5.1	32.9	34.1	34.6	19.8	19.4	19.5
Syracuse	17.8	17.9	17.9	99.6	100.2	101.2	62.2	63.3	63.3
Utica-Rome	8.2	8.2	8.2	39.0	40.4	40.4	28.1	28.0	28.0
Westchester County	26.8	26.7	26.8	141.8	143.2	145.1	60.0	60.6	61.0
North Carolina	173.3	181.9	182.2	903.1	946.1	953.0	600.9	612.5	615.8
Asheville	3.5	3.7	3.8	32.3	33.4	33.9	16.1	16.5	16.8
Charlotte-Gastonia-Rock Hill	56.3	62.5	63.2	194.3	206.0	207.9	92.1	94.4	94.5
Greensboro-Winston-Salem--High Point	33.1	34.4	34.6	163.8	171.4	173.9	69.9	69.1	69.8
Raleigh-Durham-Chapel Hill	29.4	30.6	30.6	200.6	212.9	214.9	129.5	134.0	134.8
North Dakota	15.4	15.8	15.7	88.8	89.9	90.2	72.9	72.7	72.4
Bismarck	2.3	2.4	2.4	15.9	16.0	16.1	10.5	10.9	10.8
Fargo-Moorhead	6.7	7.0	7.0	29.9	30.6	30.9	15.6	16.0	15.8
Grand Forks	1.5	1.4	1.4	12.4	12.1	12.0	12.9	13.1	12.9
Ohio	294.7	300.3	301.8	1,478.8	1,489.8	1,503.4	776.9	778.9	783.8
Akron	13.2	13.2	13.3	86.1	87.6	87.8	49.4	49.8	50.3
Canton-Massillon	6.2	6.3	6.3	49.9	50.7	50.7	20.1	20.7	20.7
Cincinnati	54.6	56.0	56.2	250.5	254.9	259.2	103.0	103.8	105.3
Cleveland-Lorain-Elyria	74.7	75.7	75.9	340.1	344.1	345.1	144.3	146.2	146.5
Columbus	74.3	76.7	76.7	233.4	239.1	241.0	138.6	138.9	139.3
Dayton-Springfield	18.4	18.8	19.0	138.6	140.6	141.0	72.1	71.6	72.1
Hamilton-Middletown	6.3	6.9	6.9	28.5	29.0	29.5	21.6	20.8	21.1
Lima	2.1	2.0	2.0	19.9	19.9	20.1	10.5	10.5	10.5
Mansfield	2.6	2.5	2.5	19.3	19.1	19.2	10.7	11.2	11.5
Steubenville-Weirton	1.4	1.4	1.5	14.0	13.8	14.3	6.5	6.3	6.5
Toledo	11.3	11.2	11.2	90.9	92.3	93.4	49.1	49.0	49.7
Youngstown-Warren	9.4	9.2	9.3	64.0	64.8	65.1	32.1	32.1	32.9
Oklahoma	71.6	75.0	75.2	396.4	409.8	413.9	281.5	282.8	284.4
Enid	1.0	1.1	1.1	7.0	6.8	6.8	4.1	4.2	4.1
Lawton	1.9	1.8	1.9	8.4	8.4	8.5	12.1	12.2	12.4
Oklahoma City	29.1	30.5	30.5	152.7	157.9	159.6	102.9	104.0	105.1
Tulsa	21.0	22.0	22.2	119.7	125.1	126.1	43.2	44.0	44.2
Oregon	94.0	95.7	96.2	409.6	425.7	429.0	258.5	266.1	267.4
Eugene-Springfield	7.2	7.4	7.4	37.8	38.8	39.2	26.5	26.6	26.7
Medford-Ashtland	3.0	3.0	3.0	18.8	19.8	20.1	11.1	11.3	11.5
Portland-Vancouver	86.8	67.9	68.4	258.2	267.5	268.7	119.5	124.6	125.2
Salem	6.5	6.7	6.7	31.8	31.7	32.2	37.3	38.8	38.9
Pennsylvania	314.8	318.2	318.0	1,745.8	1,770.5	1,781.1	724.2	719.2	722.1
Allentown-Bethlehem-Easton	13.5	14.2	14.2	86.0	87.0	88.1	31.7	31.9	32.3
Altoona	1.6	1.6	1.6	15.8	16.4	16.3	8.2	8.5	8.6
Erie	5.4	5.5	5.5	36.3	37.8	37.5	16.1	15.8	15.9
Harrisburg-Lebanon-Carlisle	25.1	25.5	25.4	98.1	100.9	101.3	87.4	68.8	67.2
Johnstown	4.1	4.1	4.2	26.0	26.4	26.6	14.3	14.0	14.2
Lancaster	9.5	9.8	9.9	55.0	57.2	57.6	19.2	19.2	19.5
Philadelphia PMSA	160.6	162.1	161.8	834.3	847.8	851.9	300.9	295.4	297.7
Philadelphia City	53.0	51.2	51.0	288.0	297.2	293.9	119.2	114.2	114.8
Pittsburgh	63.8	64.6	64.7	376.1	383.1	388.0	125.9	125.8	126.2
Reading	8.3	8.5	8.5	40.6	41.4	41.7	19.4	20.3	20.2
Scranton-Wilkes-Barre-Hazleton	13.7	14.1	14.0	79.9	80.1	80.9	35.6	35.5	35.2
Sharon	1.5	1.5	1.5	13.9	14.4	14.5	5.7	5.6	5.6
State College	2.0	2.1	2.1	14.1	14.3	14.3	26.7	27.2	27.0
Williamsport	2.1	2.1	2.1	14.5	14.7	14.8	6.3	6.3	6.3
York	5.2	5.0	5.0	38.1	38.7	38.8	16.5	16.5	16.6

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	Total			Mining			Construction		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Rhode Island	447.5	452.4	454.9	.2	.1	.2	13.4	13.6	14.1
Providence-Fall River-Warwick	506.3	512.2	514.6	.2	.2	.2	14.9	15.6	16.1
South Carolina	1,764.5	1,797.8	1,817.1	1.8	1.8	1.8	102.1	108.3	110.4
Charleston-North Charleston	228.5	237.0	240.1	(1)	(1)	(1)	16.4	17.6	18.1
Columbia	287.3	295.9	298.8	(1)	(1)	(1)	15.6	16.2	16.8
Greenville-Spartanburg-Anderson	466.0	472.1	475.9	(1)	(1)	(1)	29.9	31.2	31.6
South Dakota	351.8	359.2	359.8	1.8	1.5	1.5	13.2	14.0	14.1
Rapid City	45.9	47.5	48.1	(1)	(1)	(1)	2.6	2.6	2.6
Sioux Falls	102.7	106.6	107.4	(1)	(1)	(1)	4.4	4.5	4.6
Tennessee	2,605.8	2,624.8	2,632.3	4.3	4.1	4.1	114.0	119.8	121.7
Chattanooga	218.1	216.9	217.6	(1)	(1)	(1)	9.5	9.0	9.2
Johnson City-Kingsport-Bristol	196.4	194.4	194.9	(1)	(1)	(1)	10.5	10.4	10.4
Knoxville	318.5	317.9	318.9	.6	.6	.6	15.6	15.8	15.9
Memphis	567.2	588.7	592.1	(1)	(1)	(1)	24.4	27.3	27.3
Nashville	644.6	651.4	653.7	(1)	(1)	(1)	30.6	32.2	32.6
Texas	8,827.3	9,046.5	9,094.2	169.9	158.4	158.1	479.5	509.8	514.6
Abilene	56.8	57.6	57.7	1.6	1.1	1.1	2.1	2.3	2.3
Amarillo	94.7	96.7	97.3	.7	.6	.6	4.3	4.3	4.4
Austin-San Marcos	590.8	610.6	614.7	1.3	1.2	1.3	31.8	34.3	34.5
Beaumont-Port Arthur	160.6	163.9	164.0	.8	.9	.9	16.9	18.2	18.1
Brazoria	75.9	75.4	76.0	1.5	1.5	1.5	11.1	11.2	11.4
Brownsville-Harlingen-San Benito	99.3	100.1	101.2	(1)	(1)	(1)	3.8	4.0	3.9
Bryan-College Station	71.9	74.0	75.0	.9	.8	.8	2.7	3.1	3.2
Corpus Christi	155.6	157.0	158.3	2.5	2.1	2.1	12.6	11.6	11.8
Dallas	1,802.8	1,862.0	1,870.2	11.2	11.5	11.4	86.0	92.7	94.4
El Paso	245.9	245.6	246.9	(1)	(1)	(1)	11.7	11.8	11.9
Ft. Worth-Arlington	727.6	748.5	753.6	4.5	4.5	4.4	36.5	39.5	40.3
Galveston-Texas City	88.9	88.9	89.3	.8	.7	.7	4.5	4.3	4.3
Houston	1,962.0	2,003.2	2,010.1	70.0	67.1	66.7	133.6	140.7	140.6
Killeen-Temple	99.3	100.2	100.8	(1)	(1)	(1)	4.3	4.3	4.4
Laredo	63.1	65.2	65.7	3.0	1.8	1.7	2.3	2.4	2.3
Longview-Marshall	89.8	90.6	91.5	3.5	3.3	3.3	3.7	4.1	4.2
Lubbock	114.9	116.1	116.8	.1	.1	.1	4.1	4.2	4.2
McAllen-Edinburg-Mission	139.5	142.6	143.3	1.2	1.2	1.2	6.9	7.0	7.0
Odessa-Midland	107.7	104.7	104.1	14.0	11.9	11.7	6.4	7.0	6.9
San Angelo	44.0	44.7	44.7	.7	.5	.5	1.8	2.0	1.9
San Antonio	676.1	690.9	697.2	1.8	1.8	1.8	34.5	36.3	36.5
Sherman-Denison	44.3	44.8	44.8	(1)	(1)	(1)	2.2	2.6	2.5
Texarkana	50.7	51.3	51.9	(1)	(1)	(1)	2.1	2.1	2.2
Tyler	78.1	80.2	80.9	1.6	1.6	1.6	3.1	3.2	3.3
Victoria	35.8	36.1	36.3	1.8	1.7	1.8	2.3	2.4	2.5
Waco	95.8	98.4	98.9	(1)	(1)	(1)	4.5	5.0	5.0
Wichita Falls	60.4	60.0	60.4	1.1	1.0	1.0	2.6	2.5	2.6
Utah	1,009.7	1,027.9	1,034.6	8.1	7.6	7.6	61.9	64.7	66.0
Provo-Orem	139.5	142.4	143.5	(1)	(1)	(1)	9.2	9.1	9.5
Salt Lake City-Ogden	676.5	691.7	696.1	2.9	2.8	2.8	41.1	43.5	44.5
Vermont	283.9	289.4	289.7	.5	.3	.4	11.4	12.4	12.6
Barre-Montpelier	30.3	31.1	31.6	(1)	(1)	(1)	1.1	1.1	1.1
Burlington	99.5	100.5	100.5	(1)	(1)	(1)	4.5	5.3	5.4
Virginia	3,258.9	3,320.7	3,344.1	10.9	10.2	10.3	179.0	185.8	188.4
Bristol	37.5	39.0	39.4	(1)	(1)	(1)	1.4	1.5	1.6
Charlottesville	82.4	84.6	84.9	(1)	(1)	(1)	4.1	4.2	4.3
Danville	45.3	45.2	44.9	(1)	(1)	(1)	2.3	2.5	2.5
Lynchburg	98.1	98.4	99.5	(1)	(1)	(1)	5.6	5.8	5.9
Norfolk-Virginia Beach-Newport News	667.7	673.8	680.6	(1)	(1)	(1)	38.8	39.1	39.4
Northern Virginia	1,014.9	1,051.5	1,062.1	.8	.8	.8	54.7	58.5	59.3
Richmond-Petersburg	530.9	537.2	539.2	.8	.8	.8	31.8	32.0	32.3
Roanoke	141.7	145.8	146.4	(1)	(1)	(1)	8.3	8.6	8.6
Washington	2,548.5	2,588.8	2,609.3	3.2	3.3	3.3	133.0	135.7	139.2
Seattle-Bellevue-Everett	1,328.8	1,352.4	1,360.3	.6	.7	.7	67.6	69.1	69.8
Spokane	186.2	185.5	187.7	(1)	(1)	(1)	9.1	9.1	9.5
Tacoma	230.5	237.7	239.9	.2	.2	.2	12.3	13.3	13.5

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Rhode Island	78.9	77.9	78.5	15.9	15.8	16.0	94.1	96.3	96.5
Providence-Fall River-Warwick	101.3	101.2	101.4	18.0	18.5	18.6	112.2	114.2	114.7
South Carolina	362.7	362.2	360.9	75.8	78.4	78.9	419.6	427.8	433.7
Charleston-North Charleston	22.1	22.3	22.3	12.7	12.9	13.1	56.0	58.2	59.2
Columbia	25.9	26.2	26.1	12.4	13.4	13.4	65.5	67.2	67.8
Greenville-Spartanburg-Anderson	122.2	120.4	120.2	20.3	20.8	20.8	118.0	120.5	121.8
South Dakota	49.0	49.6	49.2	16.2	16.7	16.8	86.9	87.6	87.8
Rapid City	4.5	4.8	4.7	1.9	2.0	2.0	13.2	13.4	13.6
Sioux Falls	14.1	14.8	14.8	6.6	6.8	7.0	26.0	26.6	26.6
Tennessee	519.5	508.3	507.8	155.8	158.4	158.7	608.5	613.7	615.0
Chattanooga	43.1	44.3	44.2	11.1	11.5	11.5	48.9	47.0	47.2
Johnson City-Kingsport-Bristol	51.5	47.5	47.5	7.6	7.7	7.8	44.2	45.1	45.2
Knoxville	49.4	47.0	46.8	14.2	14.2	14.2	84.5	84.5	85.1
Memphis	63.6	62.6	62.7	67.7	71.4	72.4	141.1	144.0	145.1
Nashville	97.5	95.2	95.3	32.1	32.3	32.4	154.8	158.6	158.6
Texas	1,104.1	1,098.0	1,098.1	531.3	554.1	556.7	2,071.1	2,105.3	2,119.4
Abilene	3.4	3.6	3.6	2.5	2.5	2.5	14.8	15.6	15.6
Amarillo	9.3	9.4	9.3	5.4	5.4	5.4	26.1	26.9	27.1
Austin-San Marcos	81.7	81.7	82.1	19.3	20.6	20.7	125.1	131.0	132.4
Beaumont-Port Arthur	25.4	25.9	25.6	8.2	8.0	8.0	35.5	36.6	36.8
Brazoria	16.6	15.2	15.4	2.8	2.7	2.8	14.5	14.9	15.1
Brownsville-Harlingen-San Benito	12.1	11.8	12.1	4.8	4.8	4.9	24.1	23.7	24.4
Bryan-College Station	4.4	4.8	4.8	1.6	1.6	1.6	14.8	15.3	15.6
Corpus Christi	13.3	13.3	13.4	6.6	6.5	6.5	35.7	35.8	36.1
Dallas	249.6	252.8	253.4	122.7	127.7	128.0	437.7	446.7	449.1
El Paso	42.9	40.6	40.9	13.6	14.3	14.3	57.2	57.8	58.0
Ft. Worth-Arlington	110.6	111.8	112.0	68.0	71.8	72.0	181.4	185.3	186.7
Galveston-Texas City	8.2	8.1	8.1	4.0	4.2	4.2	19.6	19.5	19.6
Houston	218.5	215.8	215.0	136.4	142.2	142.3	441.5	453.3	456.2
Killeen-Temple	9.3	9.5	9.6	3.6	3.4	3.4	22.6	23.2	23.4
Laredo	1.6	1.7	1.7	10.8	11.5	11.6	16.5	17.0	17.2
Longview-Marshall	19.4	19.5	19.6	4.3	4.0	4.0	22.3	22.8	23.1
Lubbock	7.6	7.4	7.3	5.7	5.8	5.8	31.7	32.1	32.3
McAllen-Edinburg-Mission	12.5	12.7	12.5	5.2	5.2	5.4	38.7	39.2	39.4
Odessa-Midland	7.6	6.9	6.7	4.2	3.9	3.9	28.1	27.7	27.6
San Angelo	5.2	4.9	4.8	2.7	2.9	2.9	10.1	10.0	10.1
San Antonio	50.3	52.2	52.2	32.1	32.0	32.0	162.9	164.7	165.6
Sherman-Denison	10.7	10.0	9.9	1.6	1.6	1.6	9.6	9.8	9.9
Texarkana	5.6	5.5	5.5	2.6	2.8	2.8	13.3	13.6	13.8
Tyler	10.8	10.7	10.7	3.8	3.8	3.8	19.7	21.0	21.2
Victoria	3.2	3.2	3.2	1.6	1.6	1.6	9.5	9.7	9.7
Waco	16.0	16.4	16.3	3.9	3.9	3.9	21.7	22.3	22.5
Wichita Falls	8.5	8.6	8.6	3.0	3.0	3.0	13.9	13.9	14.1
Utah	133.7	132.9	133.1	57.3	59.6	59.5	238.7	239.5	241.3
Provo-Orem	19.8	20.1	20.2	2.2	2.3	2.3	30.8	31.5	31.5
Salt Lake City-Ogden	82.8	81.6	81.6	45.5	46.2	46.4	162.8	165.2	165.8
Vermont	47.2	47.8	47.8	12.4	12.4	12.4	63.8	64.4	64.7
Barre-Montpelier	3.3	3.6	3.6	1.1	1.3	1.3	6.6	6.7	6.9
Burlington	18.4	18.2	18.1	4.7	4.7	4.7	21.9	21.5	21.6
Virginia	406.0	401.5	400.7	168.8	174.6	175.1	714.3	724.4	730.2
Bristol	9.4	9.1	9.1	1.3	1.3	1.3	10.4	11.0	11.2
Charlottesville	8.3	8.6	8.4	2.3	2.5	2.5	16.1	16.2	16.4
Danville	14.8	14.8	14.4	1.0	1.0	1.0	9.5	9.3	9.3
Lynchburg	25.7	25.2	25.3	3.6	3.5	3.6	20.5	19.9	20.2
Norfolk-Virginia Beach-Newport News	69.7	70.5	71.0	31.2	31.1	31.0	152.9	158.2	157.6
Northern Virginia	44.6	43.8	43.8	62.2	66.6	67.2	212.7	215.2	218.4
Richmond-Petersburg	61.6	60.2	59.9	27.7	28.8	28.8	122.2	125.4	126.2
Roanoke	19.1	18.8	18.7	8.5	8.9	9.0	36.1	36.9	37.2
Washington	377.1	366.0	365.6	132.4	136.8	137.3	604.0	619.6	624.7
Seattle-Bellevue-Everett	228.4	224.8	222.8	78.7	81.0	81.3	307.8	313.2	316.1
Spokane	22.7	19.6	19.8	7.8	8.0	8.0	46.6	47.9	47.9
Tacoma	25.4	24.6	24.6	9.0	9.2	9.4	56.7	57.9	58.6

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	Finance, insurance, and real estate			Services			Government		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Rhode Island	27.5	29.0	29.2	153.4	155.6	156.4	64.1	64.1	64.0
Providence-Fall River-Warwick	29.4	30.9	31.1	164.4	166.1	166.8	65.9	65.5	65.7
South Carolina	77.9	81.2	82.1	411.3	421.5	431.0	313.3	316.6	318.3
Charleston-North Charleston	8.5	8.4	8.6	62.5	66.4	67.3	50.3	51.2	51.5
Columbia	21.0	22.3	22.4	71.3	74.7	75.9	75.6	75.9	76.4
Greenville-Spartanburg-Anderson	16.5	16.4	16.5	99.6	103.4	105.0	59.5	59.4	60.0
South Dakota	21.7	23.2	23.5	91.4	94.0	94.2	71.6	72.6	72.7
Rapid City	2.7	2.8	3.0	13.6	14.1	14.4	7.4	7.8	7.8
Sioux Falls	11.3	12.3	12.3	30.4	31.5	32.0	9.9	10.1	10.1
Tennessee	123.2	126.2	126.1	692.8	703.7	707.5	387.7	390.6	391.4
Chattanooga	15.5	15.8	15.8	56.1	56.6	56.9	33.9	32.7	32.8
Johnson City-Kingsport-Bristol	6.0	6.1	6.2	46.8	48.1	48.2	29.8	29.5	29.6
Knoxville	14.1	14.7	14.6	85.3	85.8	86.2	54.8	55.3	55.5
Memphis	27.8	28.8	28.9	162.9	171.2	171.7	79.7	83.4	84.0
Nashville	41.3	42.0	41.9	204.6	205.7	207.2	83.7	85.4	85.7
Texas	484.8	507.0	508.8	2,467.1	2,559.5	2,580.8	1,519.5	1,554.4	1,557.7
Abilene	2.5	2.6	2.6	19.7	19.7	19.7	10.2	10.2	10.3
Amarillo	5.1	5.1	5.2	26.7	27.6	27.7	17.1	17.4	17.6
Austin-San Marcos	31.1	32.0	32.2	169.9	176.8	178.6	130.6	133.0	132.9
Beaumont-Port Arthur	5.2	5.2	5.2	42.1	42.5	42.8	26.5	26.6	26.6
Brazoria	1.8	1.9	1.9	13.6	13.6	13.6	14.0	14.4	14.3
Brownsville-Harlingen-San Benito	3.6	3.5	3.5	27.3	28.3	28.4	23.6	24.0	24.0
Bryan-College Station	2.5	2.7	2.7	15.4	16.0	16.1	29.8	29.7	30.2
Corpus Christi	6.3	6.2	6.4	47.8	50.4	50.8	30.8	31.1	31.2
Dallas	146.4	155.2	155.2	547.5	567.0	570.5	201.7	208.4	208.2
El Paso	9.6	9.7	9.7	56.7	57.8	58.4	54.2	53.6	53.7
Ft. Worth-Arlington	33.8	35.3	35.5	198.4	203.9	206.2	94.4	96.4	96.5
Galveston-Texas City	5.8	6.1	6.1	18.8	19.2	19.5	27.2	26.8	26.8
Houston	103.6	108.4	108.8	598.6	616.4	620.3	259.8	259.3	260.2
Killeen-Temple	4.2	4.2	4.2	27.5	27.7	27.7	27.8	27.9	28.1
Laredo	2.3	2.4	2.4	11.9	13.1	13.2	14.7	15.3	15.6
Longview-Marshall	3.5	3.7	3.8	21.4	21.5	21.8	11.7	11.7	11.7
Lubbock	5.7	5.9	5.9	34.6	35.0	35.1	25.4	25.6	26.1
McAllen-Edinburg-Mission	5.0	5.1	5.2	32.3	33.2	33.5	37.7	39.0	39.1
Odessa-Midland	3.8	3.9	3.9	25.4	25.0	25.0	18.2	18.4	18.4
San Angelo	1.8	1.8	1.9	12.7	13.0	13.0	9.0	9.6	9.6
San Antonio	44.8	46.2	46.4	213.3	221.6	226.2	136.4	136.1	136.5
Sherman-Denison	2.4	2.5	2.6	11.9	12.2	12.3	5.9	6.1	6.0
Texarkana	1.8	1.7	1.7	13.8	14.4	14.6	11.5	11.2	11.3
Tyler	4.1	4.0	4.0	23.7	24.4	24.8	11.3	11.5	11.5
Victoria	1.4	1.5	1.5	9.6	9.6	9.6	6.4	6.4	6.4
Waco	5.8	6.1	6.1	28.8	29.3	29.7	15.1	15.4	15.4
Wichita Falls	2.2	2.3	2.3	16.3	16.0	16.1	12.8	12.7	12.7
Utah	54.0	56.5	56.8	276.5	286.6	288.9	179.5	180.5	181.4
Provo-Orem	4.1	4.4	4.4	53.9	54.8	55.3	19.5	20.2	20.3
Salt Lake City-Ogden	44.2	45.9	46.2	182.1	191.9	193.7	115.1	114.6	115.1
Vermont	12.1	12.6	12.6	88.4	90.8	90.4	48.1	48.7	48.8
Barre-Montpelier	2.4	2.5	2.5	8.6	8.8	9.0	7.2	7.1	7.2
Burlington	4.9	4.8	4.8	29.2	29.5	29.6	15.9	16.5	16.3
Virginia	172.0	177.6	178.6	999.4	1,033.0	1,045.8	608.5	613.6	615.0
Bristol	1.3	1.4	1.4	8.0	8.9	8.9	5.7	5.8	5.9
Charlottesville	4.4	4.7	4.7	20.2	21.0	21.1	27.0	27.4	27.5
Danville	1.4	1.5	1.5	10.1	10.2	10.2	6.2	5.9	6.0
Lynchburg	4.4	4.2	4.2	25.4	26.4	26.7	12.9	13.4	13.6
Norfolk-Virginia Beach-Newport News	31.4	32.8	33.1	198.7	199.4	203.4	145.0	144.7	145.1
Northern Virginia	57.4	60.3	61.1	403.3	424.1	428.2	179.2	182.2	183.3
Richmond-Petersburg	44.6	45.8	46.1	138.2	139.1	140.5	104.0	105.1	104.6
Roanoke	9.6	10.4	10.4	42.2	44.4	44.6	17.9	17.8	17.9
Washington	131.8	138.0	138.9	696.3	713.8	722.0	470.7	475.6	478.3
Seattle-Bellevue-Everett	79.6	83.0	83.7	382.8	392.1	396.7	183.3	188.5	189.2
Spokane	10.9	11.1	11.1	57.3	57.6	59.0	31.8	32.2	32.4
Tacoma	12.2	12.8	12.7	66.4	69.5	70.3	48.3	50.2	50.6

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	Total			Mining			Construction		
	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P
West Virginia	704.3	713.5	716.6	23.7	21.9	21.7	29.7	31.1	30.0
Charleston	130.0	132.5	132.9	1.9	1.8	1.8	6.6	6.1	6.2
Huntington-Ashland	121.3	121.7	123.6	1.3	1.5	1.5	5.1	4.8	5.0
Parkersburg-Marietta	67.7	69.6	69.5	.3	.3	.3	3.8	3.9	3.8
Wheeling	65.1	65.9	66.4	1.7	1.5	1.5	1.9	2.5	2.4
Wisconsin	2,651.7	2,678.9	2,691.0	2.2	2.0	2.1	94.2	100.1	101.2
Appleton-Oshkosh-Neenah	192.3	197.0	198.1	(1)	(1)	(1)	9.3	10.4	10.6
Eau Claire	72.2	74.6	74.9	(1)	(1)	(1)	2.2	2.3	2.4
Green Bay	134.5	136.6	137.3	(1)	(1)	(1)	5.6	5.8	6.0
Janesville-Beloit	69.7	69.3	69.7	(1)	(1)	(1)	2.5	2.6	2.5
Kenosha	52.5	53.7	53.6	(1)	(1)	(1)	2.1	2.1	2.2
La Crosse	69.3	70.6	70.8	(1)	(1)	(1)	2.2	2.2	2.3
Madison	270.6	278.5	279.1	(1)	(1)	(1)	11.0	12.5	12.5
Milwaukee-Waukesha	834.0	842.1	843.3	(1)	(1)	(1)	27.3	29.2	28.7
Racine	80.6	81.2	82.0	(1)	(1)	(1)	2.8	3.0	3.2
Sheboygan	58.8	59.0	59.5	(1)	(1)	(1)	2.1	2.2	2.2
Wausau	64.5	66.9	67.4	(1)	(1)	(1)	2.4	3.0	3.0
Wyoming	219.2	219.9	221.1	16.9	16.4	16.3	13.3	13.4	13.8
Casper	29.9	30.3	30.6	2.1	2.0	2.0	1.6	1.8	1.8
Puerto Rico	990.9	(2)	(2)	1.3	(2)	(2)	59.2	(2)	(2)
Caguas	68.7	(2)	(2)	(1)	(1)	(1)	3.1	(2)	(2)
Mayaguez	70.4	(2)	(2)	(1)	(1)	(1)	4.1	(2)	(2)
Ponce	76.3	(2)	(2)	(1)	(1)	(1)	4.9	(2)	(2)
San Juan-Bayamon	618.2	(2)	(2)	.6	(2)	(2)	41.3	(2)	(2)
Virgin Islands	42.0	(2)	(2)	(1)	(1)	(1)	1.8	(2)	(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		
	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P
West Virginia	82.4	80.6	81.5	38.4	39.2	39.2	158.8	161.5	162.9
Charleston	10.1	10.1	10.1	9.2	9.1	9.1	30.7	31.7	32.0
Huntington-Ashland	17.1	15.3	16.1	6.4	7.0	7.0	30.9	30.7	31.3
Parkersburg-Marietta	13.0	12.6	12.7	2.6	2.7	2.6	16.7	17.3	17.5
Wheeling	6.1	6.2	6.2	2.7	2.7	2.8	16.8	16.7	17.0
Wisconsin	612.0	608.2	608.5	123.6	126.9	127.9	592.1	592.6	595.6
Appleton-Oshkosh-Neenah	59.3	59.6	59.8	7.8	8.4	8.5	40.3	40.8	41.1
Eau Claire	13.0	14.0	14.1	3.5	3.5	3.5	19.3	20.0	20.0
Green Bay	29.0	28.5	28.4	9.8	9.8	9.9	31.1	31.8	31.9
Janesville-Beloit	20.7	20.0	19.9	2.9	3.0	3.0	16.1	16.3	16.4
Kenosha	12.0	12.0	11.9	1.9	1.8	1.9	12.5	12.4	12.5
La Crosse	12.2	11.9	12.0	3.1	3.3	3.3	18.0	18.8	19.0
Madison	29.2	29.3	29.5	8.8	9.3	9.3	58.4	59.2	59.2
Milwaukee-Waukesha	178.5	177.8	177.7	39.5	41.2	41.3	178.1	176.8	178.0
Racine	25.7	24.8	24.8	2.5	2.5	2.5	16.2	17.0	17.1
Sheboygan	24.4	25.0	25.0	1.8	1.7	1.8	10.8	10.5	10.6
Wausau	18.3	18.9	19.0	3.3	3.1	3.2	16.2	16.7	16.8
Wyoming	10.4	10.7	10.6	13.6	13.7	13.7	50.2	50.2	50.4
Casper	1.5	1.5	1.5	1.7	1.8	1.8	8.2	8.2	8.3
Puerto Rico	148.8	(2)	(2)	27.5	(2)	(2)	199.8	(2)	(2)
Caguas	15.6	(2)	(2)	1.1	(2)	(2)	15.6	(2)	(2)
Mayaguez	17.4	(2)	(2)	7	(2)	(2)	12.0	(2)	(2)
Ponce	10.1	(2)	(2)	2.6	(2)	(2)	13.4	(2)	(2)
San Juan-Bayamon	68.4	(2)	(2)	21.2	(2)	(2)	131.2	(2)	(2)
Virgin Islands	2.4	(2)	(2)	2.4	(2)	(2)	9.2	(2)	(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	Finance, insurance, and real estate			Services			Government		
	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P
West Virginia	28.2	29.4	29.4	202.8	210.2	209.6	140.3	139.6	142.3
Charleston	7.7	8.1	8.1	40.2	41.4	41.2	23.6	24.2	24.4
Huntington-Ashland	3.8	4.6	4.6	34.7	36.2	36.3	22.0	21.6	21.8
Parkersburg-Marietta	2.6	2.6	2.6	19.3	20.8	20.6	9.4	9.4	9.4
Wheeling	2.7	2.7	2.7	23.0	24.0	23.9	10.2	9.6	9.9
Wisconsin	141.2	145.4	145.8	687.7	700.6	705.5	398.6	403.1	404.3
Appleton-Oshkosh-Neenah	9.4	9.9	9.9	43.8	44.7	45.1	22.5	23.2	23.3
Eau Claire	2.6	2.7	2.7	19.4	19.7	20.0	12.2	12.4	12.2
Green Bay	9.8	10.1	10.1	33.0	34.2	34.3	16.2	16.4	16.7
Janesville-Beloit	1.9	2.0	2.0	16.8	16.8	17.0	8.8	8.7	8.8
Kenosha	1.7	1.7	1.7	14.2	14.9	14.8	8.2	8.6	8.6
La Crosse	2.4	2.7	2.7	20.9	21.2	21.1	10.5	10.6	10.4
Madison	21.5	21.9	21.8	69.4	72.4	72.8	72.4	73.9	73.9
Milwaukee-Waukesha	57.5	58.6	58.4	262.1	266.0	267.7	90.8	92.5	91.5
Racine	2.3	2.5	2.5	21.6	21.6	22.0	9.4	9.9	9.9
Sheboygan	2.1	2.2	2.2	11.2	11.2	11.4	6.4	6.3	6.4
Wausau	4.9	5.3	5.3	11.9	12.4	12.4	7.5	7.7	7.6
Wyoming	8.5	8.6	8.6	46.8	47.8	48.1	59.5	59.1	59.6
Casper	1.2	1.2	1.2	8.1	8.3	8.4	5.5	5.5	5.6
Puerto Rico	47.2	(²)	(²)	200.9	(²)	(²)	306.2	(²)	(²)
Caguas	1.7	(²)	(²)	12.9	(²)	(²)	18.7	(²)	(²)
Mayaguez	2.1	(²)	(²)	12.0	(²)	(²)	22.1	(²)	(²)
Ponce	2.3	(²)	(²)	17.3	(²)	(²)	25.7	(²)	(²)
San Juan-Bayamon	36.6	(²)	(²)	134.3	(²)	(²)	184.6	(²)	(²)
Virgin Islands	1.9	(²)	(²)	10.7	(²)	(²)	13.6	(²)	(²)

¹ Combined with construction.
² Not available.
P = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1998 benchmarks.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Total private		34.5	34.2	34.3	34.2	34.3	-	-	-	-	-
Goods-producing		40.9	40.1	40.5	40.5	40.9	-	-	-	-	-
Mining		43.4	43.4	42.7	42.3	43.5	-	-	-	-	-
Metal mining	10	44.9	45.7	43.6	43.5	-	-	-	-	-	-
Iron ores	101	46.2	44.2	44.6	46.0	-	-	-	-	-	-
Copper ores	102	45.7	49.4	44.8	43.8	-	-	-	-	-	-
Coal mining	12	45.0	44.2	45.3	45.1	-	-	-	-	-	-
Bituminous coal and lignite mining	122	44.9	44.1	45.3	45.2	-	-	-	-	-	-
Oil and gas extraction	13	42.2	41.7	40.9	40.5	-	-	-	-	-	-
Crude petroleum and natural gas	131	40.9	40.6	40.3	40.2	-	-	-	-	-	-
Oil and gas field services	138	42.8	42.3	41.2	40.7	-	-	-	-	-	-
Nonmetallic minerals, except fuels	14	44.8	46.4	44.6	44.2	-	-	-	-	-	-
Crushed and broken stone	142	45.7	48.8	46.9	45.8	-	-	-	-	-	-
Construction		37.9	38.0	37.9	37.6	38.6	-	-	-	-	-
General building contractors	15	37.4	37.5	37.5	37.4	-	-	-	-	-	-
Residential building construction	152	36.2	36.3	36.1	36.0	-	-	-	-	-	-
Operative builders	153	39.1	38.9	37.3	38.6	-	-	-	-	-	-
Nonresidential building construction	154	38.7	38.7	39.1	38.8	-	-	-	-	-	-
Heavy construction, except building	16	41.3	41.2	41.2	40.2	-	-	-	-	-	-
Highway and street construction	161	39.7	41.2	39.8	39.0	-	-	-	-	-	-
Heavy construction, except highway	162	41.8	41.3	41.6	40.6	-	-	-	-	-	-
Special trade contractors	17	37.4	37.5	37.3	37.2	-	-	-	-	-	-
Plumbing, heating, and air conditioning	171	39.0	38.6	38.3	38.5	-	-	-	-	-	-
Painting and paper hanging	172	36.6	36.0	35.6	35.7	-	-	-	-	-	-
Electrical work	173	39.5	39.2	39.2	39.1	-	-	-	-	-	-
Masonry, stonework, and plastering	174	34.4	35.6	35.2	35.0	-	-	-	-	-	-
Carpentry and floor work	175	35.2	35.5	35.8	36.3	-	-	-	-	-	-
Roofing, siding, and sheet metal work	176	32.5	33.0	33.5	31.8	-	-	-	-	-	-
Manufacturing		41.7	40.8	41.3	41.4	41.6	4.6	4.0	4.2	4.4	4.5
Durable goods		42.4	41.3	41.9	42.0	42.3	4.9	4.1	4.4	4.5	4.7
Lumber and wood products	24	40.8	40.8	40.3	40.9	41.3	4.2	4.1	3.9	4.2	-
Logging	241	40.4	40.7	40.1	40.6	-	5.6	5.1	5.0	4.9	-
Sawmills and planing mills	242	41.9	41.9	42.2	42.2	-	4.9	4.7	5.0	5.0	-
Sawmills and planing mills, general	2421	42.3	42.3	42.9	42.9	-	5.3	5.1	5.5	5.5	-
Hardwood dimension and flooring mills	2426	40.6	40.5	40.2	40.3	-	3.6	3.1	3.2	3.4	-
Millwork, plywood, and structural members	243	41.3	41.3	40.6	41.6	-	4.4	4.3	3.9	4.6	-
Millwork	2431	39.8	40.5	40.3	40.8	-	3.1	3.2	3.1	3.5	-
Wood kitchen cabinets	2434	42.0	41.6	39.5	41.5	-	5.4	5.1	3.3	5.0	-
Hardwood veneer and plywood	2435	42.4	41.5	42.4	42.2	-	5.3	4.7	5.2	5.4	-
Softwood veneer and plywood	2436	43.9	43.4	42.5	43.8	-	5.9	5.8	6.3	6.5	-
Wood containers	244	38.1	37.7	39.0	39.1	-	3.2	2.9	3.4	3.5	-
Wood buildings and mobile homes	245	38.6	39.7	37.2	37.7	-	2.3	2.8	2.1	2.3	-
Mobile homes	2451	38.5	39.9	37.4	38.0	-	2.4	2.9	2.1	2.4	-
Miscellaneous wood products	249	40.7	39.9	39.8	40.3	-	3.5	3.2	3.1	3.4	-
Furniture and fixtures	25	40.4	39.7	39.8	40.0	40.3	3.5	3.3	3.2	3.7	-
Household furniture	251	40.3	39.3	39.2	39.3	-	3.2	2.9	2.8	3.2	-
Wood household furniture	2511	40.4	39.9	38.9	38.9	-	3.1	2.9	2.8	3.2	-
Upholstered household furniture	2512	39.9	38.6	39.6	39.8	-	2.7	2.4	2.7	3.0	-
Metal household furniture	2514	41.5	38.8	39.7	41.0	-	4.5	4.2	3.1	3.8	-
Mattresses and bedsprings	2515	39.9	39.3	39.4	39.7	-	4.0	3.7	3.5	3.9	-
Office furniture	252	40.2	39.4	41.3	41.4	-	3.9	3.6	3.8	3.9	-
Public building and related furniture	253	40.4	40.1	39.6	40.2	-	3.8	4.1	3.8	4.4	-
Partitions and fixtures	254	41.6	41.3	41.4	41.9	-	3.7	3.5	3.9	4.6	-
Miscellaneous furniture and fixtures	259	39.4	38.7	38.8	38.8	-	3.6	3.7	3.1	3.6	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Total private		\$12.68	\$12.69	\$13.09	\$13.09	\$13.12	\$437.46	\$434.00	\$448.99	\$447.68	\$450.02
Goods-producing		14.18	14.23	14.44	14.51	14.63	579.96	570.62	584.82	587.66	598.37
Mining		16.89	16.84	17.13	17.09	17.01	733.03	730.86	731.45	722.91	739.94
Metal mining	10	18.16	18.26	18.16	18.22	-	815.38	834.48	791.78	792.57	-
Iron ores	101	18.96	19.97	19.95	20.08	-	875.95	882.67	889.77	923.68	-
Copper ores	102	16.29	16.37	16.52	16.32	-	744.45	808.68	740.10	714.82	-
Coal mining	12	19.11	19.11	19.14	19.15	-	859.95	844.66	867.04	863.67	-
Bituminous coal and lignite mining	122	19.37	19.39	19.39	19.39	-	869.71	855.10	878.37	876.43	-
Oil and gas extraction	13	16.74	16.70	17.06	16.94	-	706.43	696.39	697.75	686.07	-
Crude petroleum and natural gas	131	22.07	22.25	23.41	22.84	-	902.66	903.35	943.42	918.17	-
Oil and gas field services	138	14.19	13.96	13.51	13.69	-	607.33	590.51	556.61	557.18	-
Nonmetallic minerals, except fuels	14	14.51	14.57	14.83	14.93	-	650.05	676.05	661.42	659.91	-
Crushed and broken stone	142	13.87	13.94	14.06	14.14	-	633.86	680.27	659.41	647.61	-
Construction		16.29	16.34	16.63	16.76	16.83	617.39	620.92	630.28	630.18	649.64
General building contractors	15	15.73	15.81	16.10	16.27	-	588.30	592.88	603.75	608.50	-
Residential building construction	152	14.82	14.94	15.00	15.20	-	536.48	542.32	541.50	547.20	-
Operative builders	153	15.31	14.91	15.18	14.91	-	598.62	580.00	566.21	575.53	-
Nonresidential building construction	154	16.64	16.69	17.22	17.39	-	643.97	645.90	673.30	674.73	-
Heavy construction, except building	16	15.47	15.68	15.95	16.10	-	638.91	646.02	657.14	647.22	-
Highway and street construction	161	15.05	15.37	15.18	15.60	-	597.49	633.24	604.16	608.40	-
Heavy construction, except highway	162	15.59	15.80	16.19	16.25	-	651.66	652.54	673.50	659.75	-
Special trade contractors	17	16.67	16.68	16.97	17.08	-	623.46	625.50	632.98	635.38	-
Plumbing, heating, and air conditioning	171	16.97	17.00	17.27	17.37	-	661.83	656.20	661.44	668.75	-
Painting and paper hanging	172	15.06	15.04	15.29	15.41	-	551.20	541.44	544.32	550.14	-
Electrical work	173	18.09	18.06	18.48	18.61	-	714.56	707.95	724.42	727.65	-
Masonry, stonework, and plastering	174	16.42	16.62	16.68	16.82	-	564.85	591.67	587.14	588.70	-
Carpentry and floor work	175	16.13	16.26	16.68	16.99	-	567.78	577.23	597.14	616.74	-
Roofing, siding, and sheet metal work	176	14.35	14.40	14.79	14.73	-	466.38	475.20	495.47	468.41	-
Manufacturing		13.47	13.46	13.66	13.72	13.80	561.70	549.17	564.16	568.01	574.08
Durable goods		14.02	13.96	14.13	14.20	14.26	594.45	576.55	592.05	596.40	603.20
Lumber and wood products	24	10.95	10.99	11.27	11.32	11.38	446.76	448.39	454.18	462.99	469.99
Logging	241	12.29	12.19	12.87	12.88	-	496.52	496.13	516.09	522.93	-
Sawmills and planing mills	242	11.10	11.04	11.29	11.34	-	465.09	462.58	476.44	478.55	-
Sawmills and planing mills, general	2421	11.54	11.49	11.72	11.79	-	488.14	486.03	502.79	505.79	-
Hardwood dimension and flooring mills	2426	9.41	9.36	9.68	9.72	-	382.05	379.08	389.14	391.72	-
Millwork, plywood, and structural members	243	11.06	11.17	11.38	11.47	-	456.78	461.32	462.03	477.15	-
Millwork	2431	11.01	11.18	11.28	11.31	-	438.20	452.79	454.58	461.45	-
Wood kitchen cabinets	2434	11.09	11.15	11.44	11.62	-	465.78	463.84	451.88	482.23	-
Hardwood veneer and plywood	2435	9.81	9.97	10.25	10.31	-	415.94	413.76	434.60	435.08	-
Softwood veneer and plywood	2436	13.26	13.36	13.59	13.61	-	582.11	579.82	577.58	596.12	-
Wood containers	244	8.67	8.68	9.00	9.03	-	330.33	327.24	351.00	353.07	-
Wood buildings and mobile homes	245	11.15	11.27	11.46	11.46	-	430.39	447.42	426.31	432.04	-
Mobile homes	2451	11.30	11.43	11.60	11.62	-	435.05	456.06	433.84	441.56	-
Miscellaneous wood products	249	10.36	10.37	10.73	10.72	-	421.65	413.76	427.05	432.02	-
Furniture and fixtures	25	10.80	10.85	11.05	11.09	11.13	436.32	430.75	439.79	443.60	448.54
Household furniture	251	10.17	10.23	10.52	10.55	-	409.85	402.04	412.38	414.62	-
Wood household furniture	2511	9.79	9.73	10.02	10.06	-	395.52	388.23	389.78	391.33	-
Upholstered household furniture	2512	10.87	11.05	11.34	11.41	-	433.71	426.53	449.06	454.12	-
Metal household furniture	2514	9.40	9.77	9.57	9.66	-	390.10	379.08	379.93	396.06	-
Mattresses and bedsprings	2515	10.74	10.70	11.26	11.17	-	428.53	420.51	443.64	443.45	-
Office furniture	252	12.00	11.86	11.74	11.71	-	482.40	467.28	484.86	484.79	-
Public building and related furniture	253	11.80	12.02	12.38	12.56	-	476.72	482.00	490.25	504.91	-
Partitions and fixtures	254	11.61	11.64	11.63	11.64	-	482.98	480.73	481.48	487.72	-
Miscellaneous furniture and fixtures	259	10.97	11.00	11.20	11.25	-	432.22	425.70	434.56	436.50	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Stone, clay, and glass products	32	42.5	42.9	42.2	42.2	43.2	5.6	5.8	5.5	5.6	-
Flat glass	321	45.6	43.6	42.3	41.1	-	8.1	8.7	5.4	5.4	-
Glass and glassware, pressed or blown	322	41.8	41.7	41.3	42.0	-	4.5	5.2	5.0	5.1	-
Glass containers	3221	44.3	45.4	43.0	43.7	-	6.3	7.4	6.1	6.3	-
Pressed and blown glass, nec	3229	40.2	39.4	40.3	40.9	-	3.4	3.9	4.3	4.4	-
Products of purchased glass	323	41.9	40.9	42.2	42.0	-	4.7	4.0	4.3	4.3	-
Cement, hydraulic	324	46.5	46.2	45.6	45.9	-	7.3	6.9	6.7	7.6	-
Structural clay products	325	41.7	41.9	42.2	41.9	-	4.5	4.6	5.0	4.9	-
Pottery and related products	326	41.1	40.5	41.7	42.0	-	4.5	4.6	4.8	5.3	-
Concrete, gypsum, and plaster products	327	43.0	44.6	42.6	42.5	-	6.7	7.4	6.5	6.4	-
Concrete block and brick	3271	45.3	46.4	45.3	44.9	-	7.9	8.4	7.5	7.5	-
Concrete products, nec	3272	42.7	43.2	43.3	43.6	-	5.8	5.9	6.6	6.7	-
Ready-mixed concrete	3273	41.7	44.4	40.6	40.4	-	6.6	7.8	5.7	5.4	-
Misc. nonmetallic mineral products	329	42.6	42.2	42.8	42.6	-	5.2	4.4	5.0	5.3	-
Abrasive products	3291	41.2	40.5	41.7	42.0	-	3.1	3.0	2.6	3.3	-
Asbestos products	3292	48.1	44.3	46.1	46.4	-	7.7	4.8	7.9	8.3	-
Primary metal industries	33	44.5	43.4	43.7	43.8	43.9	6.5	5.7	6.0	6.0	-
Blast furnaces and basic steel products	331	45.2	44.8	43.7	44.0	44.2	6.6	6.1	5.5	5.6	-
Blast furnaces and steel mills	3312	45.8	45.7	43.6	43.9	-	7.0	6.6	5.5	5.6	-
Steel pipe and tubes	3317	43.5	41.9	44.5	44.8	-	6.1	4.8	5.5	5.7	-
Iron and steel foundries	332	45.1	43.8	44.4	44.1	-	6.6	5.7	6.2	6.2	-
Gray and ductile iron foundries	3321	45.9	44.3	45.7	45.4	-	7.3	6.4	7.2	7.2	-
Malleable iron foundries	3322	51.8	51.2	41.1	43.5	-	8.3	8.4	5.6	6.7	-
Steel foundries, nec	3325	43.2	42.0	42.9	42.1	-	5.4	4.7	4.8	4.7	-
Primary nonferrous metals	333	44.0	44.3	43.4	43.9	-	6.0	6.3	6.4	6.5	-
Primary aluminum	3334	44.4	45.3	43.7	43.8	-	6.2	7.1	7.0	6.9	-
Nonferrous rolling and drawing	335	44.4	42.7	43.3	43.8	-	7.3	6.3	7.1	7.3	-
Copper rolling and drawing	3351	42.8	41.4	43.3	43.3	-	7.2	6.0	7.6	7.7	-
Aluminum sheet, plate, and foil	3353	45.6	43.6	42.3	42.3	-	9.8	10.3	9.5	9.2	-
Nonferrous wire drawing and insulating	3357	44.0	42.4	43.4	44.1	-	6.9	5.6	6.7	7.1	-
Nonferrous foundries (castings)	336	42.8	40.8	43.4	43.1	-	4.9	3.6	5.0	4.8	-
Aluminum foundries	3365	43.0	40.5	43.1	43.7	-	5.0	3.8	4.7	5.2	-
Fabricated metal products	34	42.2	40.9	41.8	41.8	42.1	4.8	3.8	4.4	4.5	-
Metal cans and shipping containers	341	42.5	42.4	44.0	43.9	-	5.7	5.7	6.4	6.9	-
Metal cans	3411	42.5	42.6	44.2	43.8	-	5.5	5.7	6.4	6.8	-
Cutlery, handtools, and hardware	342	41.8	40.6	41.1	41.4	-	4.1	3.1	3.6	3.9	-
Hand and edge tools, and blades and handsaws	3423,5	42.9	41.7	42.8	42.8	-	4.7	3.4	4.1	4.5	-
Hardware, nec	3429	41.5	40.4	40.8	41.3	-	4.1	3.1	3.6	3.9	-
Plumbing and heating, except electric	343	40.9	39.6	41.5	42.0	-	3.4	3.1	3.6	4.0	-
Plumbing fixture fittings and trim	3432	40.9	38.7	41.2	41.5	-	4.1	3.5	3.5	3.9	-
Heating equipment, except electric	3433	39.0	39.4	39.8	40.0	-	2.0	2.3	2.6	2.4	-
Fabricated structural metal products	344	41.6	41.0	41.3	41.4	-	4.4	3.6	4.3	4.3	-
Fabricated structural metal	3441	42.3	41.8	43.5	43.0	-	5.4	4.7	5.8	5.5	-
Metal doors, sash, and trim	3442	40.1	40.4	40.0	40.0	-	2.7	2.7	3.2	3.2	-
Fabricated plate work (boiler shops)	3443	43.6	41.9	42.4	42.7	-	5.6	4.1	4.9	5.1	-
Sheet metal work	3444	40.8	40.4	40.6	41.1	-	3.9	3.4	3.7	3.9	-
Architectural metal work	3446	40.9	41.1	41.1	40.8	-	3.8	3.7	3.9	3.7	-
Screw machine products, bolts, etc	345	44.4	42.5	42.7	42.7	-	6.3	5.0	4.8	5.0	-
Screw machine products	3451	42.7	41.9	41.1	41.0	-	5.5	4.7	4.0	4.2	-
Bolts, nuts, rivets, and washers	3452	46.5	43.2	44.6	44.6	-	7.3	5.3	5.8	6.0	-
Metal forgings and stampings	346	43.1	40.6	43.0	42.8	-	5.7	3.9	5.0	5.0	-
Iron and steel forgings	3462	44.9	42.2	43.1	42.3	-	6.5	5.2	5.1	5.0	-
Automotive stampings	3465	43.4	40.3	44.0	43.7	-	5.9	3.5	5.4	5.3	-
Metal stampings, nec	3469	41.6	40.2	41.0	41.4	-	4.6	3.5	4.1	4.3	-
Metal services, nec	347	41.5	40.4	41.1	41.3	-	4.9	4.0	4.6	4.7	-
Plating and polishing	3471	41.2	39.9	40.9	41.0	-	4.6	3.9	4.7	4.7	-
Metal coating and allied services	3479	41.9	41.2	41.4	41.8	-	5.4	4.2	4.5	4.8	-
Ordnance and accessories, nec	348	40.4	40.0	41.3	41.3	-	3.5	3.0	3.4	3.7	-
Ammunition, except for small arms, nec	3483	40.7	42.1	42.8	42.3	-	3.4	3.4	3.5	3.4	-
Misc. fabricated metal products	349	42.3	41.1	41.5	41.3	-	4.4	3.5	3.8	3.9	-
Valves and pipe fittings, nec	3494	41.8	40.8	41.5	40.8	-	4.1	3.3	3.5	3.0	-
Misc. fabricated wire products	3496	40.4	40.0	40.2	40.0	-	3.3	3.0	3.4	3.4	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Stone, clay, and glass products	32	\$13.46	\$13.63	\$13.65	\$13.70	\$13.77	\$572.05	\$584.73	\$576.03	\$578.14	\$594.86
Flat glass	321	19.56	20.03	17.45	17.77	—	891.94	873.31	738.14	730.35	—
Glass and glassware, pressed or blown	322	15.18	15.60	15.82	15.63	—	634.52	650.52	653.37	656.46	—
Glass containers	3221	15.82	16.50	16.66	16.56	—	700.83	749.10	716.38	723.67	—
Pressed and blown glass, nec	3229	14.74	14.96	15.27	15.02	—	592.55	589.42	615.38	614.32	—
Products of purchased glass	323	12.09	12.13	12.47	12.44	—	506.57	496.12	526.23	522.48	—
Cement, hydraulic	324	18.30	18.79	18.98	19.30	—	850.95	868.10	865.49	885.87	—
Structural clay products	325	11.61	11.75	12.17	12.22	—	484.14	492.33	513.57	512.02	—
Pottery and related products	326	11.82	12.03	11.92	12.05	—	485.80	487.22	497.06	506.10	—
Concrete, gypsum, and plaster products	327	12.79	12.96	13.01	13.11	—	549.97	578.02	554.23	557.18	—
Concrete block and brick	3271	12.31	12.44	12.65	12.74	—	557.64	577.22	573.05	572.03	—
Concrete products, nec	3272	11.45	11.55	11.76	11.86	—	488.92	498.96	509.21	517.10	—
Ready-mixed concrete	3273	13.64	13.80	13.79	13.94	—	568.79	612.72	559.87	563.18	—
Misc. nonmetallic mineral products	329	13.83	13.96	13.87	13.92	—	589.16	589.11	593.64	592.99	—
Abrasive products	3291	12.41	12.38	12.79	12.76	—	511.29	501.39	533.34	535.92	—
Asbestos products	3292	15.34	15.47	14.29	14.67	—	737.85	685.32	658.77	680.69	—
Primary metal industries	33	15.52	15.66	15.40	15.50	15.58	690.64	679.64	672.98	678.90	683.96
Blast furnaces and basic steel products	331	18.32	18.66	18.49	18.51	18.60	828.06	835.97	808.01	814.44	822.12
Blast furnaces and steel mills	3312	19.94	20.33	20.23	20.27	—	913.25	929.08	882.03	889.85	—
Steel pipe and tubes	3317	14.21	14.25	14.14	13.83	—	618.14	597.08	629.23	619.58	—
Iron and steel foundries	332	14.16	14.11	14.04	14.24	—	638.62	618.02	623.38	627.98	—
Gray and ductile iron foundries	3321	15.04	14.97	14.44	14.77	—	690.34	663.17	659.91	670.56	—
Malleable iron foundries	3322	16.46	15.94	14.42	14.42	—	852.63	816.13	592.66	627.27	—
Steel foundries, nec	3325	12.98	12.99	13.63	13.60	—	560.74	545.58	584.73	572.56	—
Primary nonferrous metals	333	16.82	17.27	17.11	17.03	—	740.08	765.06	742.57	747.62	—
Primary aluminum	3334	16.65	17.24	16.99	17.01	—	739.26	780.97	742.46	745.04	—
Nonferrous rolling and drawing	335	14.81	14.76	14.16	14.31	—	657.56	630.25	613.13	626.78	—
Copper rolling and drawing	3351	15.08	15.11	15.48	15.47	—	645.42	625.55	670.28	669.85	—
Aluminum sheet, plate, and foil	3353	16.34	17.05	16.77	16.98	—	745.10	743.38	709.37	718.25	—
Nonferrous wire drawing and insulating	3357	15.32	14.94	13.74	13.88	—	674.08	633.46	596.32	612.11	—
Nonferrous foundries (castings)	336	12.36	12.28	12.47	12.54	—	529.01	501.02	541.20	540.47	—
Aluminum foundries	3365	11.70	11.72	11.94	11.95	—	503.10	474.66	514.61	522.22	—
Fabricated metal products	34	13.01	12.89	13.31	13.36	13.40	549.02	527.20	556.36	558.45	564.14
Metal cans and shipping containers	341	16.73	16.70	16.61	16.79	—	711.03	708.08	730.84	737.08	—
Metal cans	3411	17.84	17.74	17.59	17.83	—	758.20	755.72	777.48	780.95	—
Cutlery, handtools, and hardware	342	12.34	12.22	12.33	12.39	—	515.81	496.13	506.76	512.95	—
Hand and edge tools, and blades and handsaws	3423,5	12.15	12.12	12.52	12.60	—	521.24	505.40	535.86	539.28	—
Hardware, nec	3429	12.60	12.46	12.27	12.31	—	522.90	503.38	500.62	508.40	—
Plumbing and heating, except electric	343	11.88	11.88	11.85	11.88	—	485.89	470.45	491.78	498.96	—
Plumbing fixture fittings and trim	3432	11.60	11.51	11.47	11.57	—	474.44	445.44	472.56	480.16	—
Heating equipment, except electric	3433	11.68	11.90	12.13	12.19	—	455.52	468.86	482.77	487.60	—
Fabricated structural metal products	344	12.38	12.32	12.74	12.80	—	515.01	505.12	526.16	529.92	—
Fabricated structural metal	3441	12.61	12.69	12.94	13.07	—	533.40	530.44	562.89	562.01	—
Metal doors, sash, and trim	3442	10.48	10.50	10.87	10.83	—	420.25	424.20	434.80	433.20	—
Fabricated plate work (boiler shops)	3443	13.69	13.47	14.06	14.09	—	596.88	564.39	596.14	601.64	—
Sheet metal work	3444	12.65	12.65	13.06	13.19	—	516.12	511.06	530.24	542.11	—
Architectural metal work	3446	11.69	11.71	12.15	12.24	—	478.12	481.28	499.37	499.39	—
Screw machine products, bolts, etc	345	13.23	13.18	13.67	13.75	—	587.41	560.15	583.71	587.13	—
Screw machine products	3451	12.49	12.49	12.85	12.85	—	533.32	523.33	528.14	526.85	—
Bolts, nuts, rivets, and washers	3452	14.04	13.97	14.56	14.74	—	652.86	603.50	649.38	657.40	—
Metal forgings and stampings	346	15.28	14.92	15.55	15.59	—	658.57	605.75	668.65	667.25	—
Iron and steel forgings	3462	14.50	14.48	14.78	14.89	—	651.05	611.06	637.02	629.85	—
Automotive stampings	3465	17.57	16.87	17.70	17.76	—	762.54	679.86	778.80	776.11	—
Metal stampings, nec	3469	12.57	12.55	12.95	12.99	—	522.91	504.51	530.95	537.79	—
Metal services, nec	347	11.02	11.03	11.44	11.43	—	457.33	445.61	470.18	472.06	—
Plating and polishing	3471	10.92	10.91	11.29	11.29	—	449.90	435.31	461.76	462.89	—
Metal coating and allied services	3479	11.17	11.22	11.67	11.66	—	468.02	462.26	483.14	487.39	—
Ordnance and accessories, nec	348	15.43	15.44	15.39	15.62	—	623.37	617.60	635.61	645.11	—
Ammunition, except for small arms, nec	3483	16.32	16.24	16.44	16.62	—	664.22	683.70	703.63	703.03	—
Misc. fabricated metal products	349	12.36	12.33	12.72	12.77	—	522.83	506.76	527.88	527.40	—
Valves and pipe fittings, nec	3494	12.50	12.59	12.94	12.82	—	522.50	513.67	537.01	523.06	—
Misc. fabricated wire products	3496	10.96	10.93	11.22	11.34	—	442.78	437.20	451.04	453.60	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Industrial machinery and equipment	35	43.5	41.9	42.1	42.1	42.2	5.6	4.3	4.6	4.8	—
Engines and turbines	351	45.6	43.5	44.2	44.6	—	6.5	5.0	6.4	7.0	—
Turbines and turbine generator sets	3511	43.0	40.5	44.2	44.3	—	4.6	3.2	5.3	5.5	—
Internal combustion engines, nec	3519	46.5	44.5	44.2	44.7	—	7.2	5.6	6.7	7.4	—
Farm and garden machinery	352	42.5	41.0	41.2	41.8	—	4.5	3.5	3.4	3.5	—
Farm machinery and equipment	3523	42.9	41.4	41.4	41.8	—	5.0	3.9	3.4	3.5	—
Construction and related machinery	353	44.5	42.7	42.6	42.6	—	6.3	4.8	4.7	4.9	—
Construction machinery	3531	44.3	42.9	43.1	43.5	—	6.0	4.6	4.9	5.5	—
Mining machinery	3532	41.6	40.7	40.8	40.2	—	4.4	3.6	3.1	2.8	—
Oil and gas field machinery	3533	49.1	45.0	42.9	43.0	—	10.1	7.2	6.5	6.5	—
Conveyors and conveying equipment	3535	42.9	41.3	41.7	41.4	—	5.0	3.5	3.6	3.8	—
Industrial trucks and tractors	3537	40.7	40.4	41.7	41.4	—	3.6	3.4	3.7	3.5	—
Metalworking machinery	354	43.9	42.1	43.0	42.8	—	6.3	5.0	5.5	5.5	—
Machine tools, metal cutting types	3541	44.5	42.2	42.8	42.8	—	6.4	4.6	4.4	4.7	—
Machine tools, metal forming types	3542	46.1	42.1	43.7	43.2	—	7.7	4.4	6.1	5.7	—
Special dies, tools, jigs, and fixtures	3544	43.9	42.3	43.4	43.4	—	6.7	5.5	6.2	6.2	—
Machine tool accessories	3545	43.4	41.7	42.2	41.4	—	5.0	4.1	4.1	4.2	—
Power driven handtools	3546	40.9	39.7	41.3	40.8	—	3.2	2.5	3.3	3.5	—
Special industry machinery	355	42.9	41.7	41.8	41.8	—	5.0	4.0	4.3	4.5	—
Textile machinery	3552	40.9	39.6	39.5	39.5	—	3.8	2.5	3.1	3.4	—
Printing trades machinery	3555	42.5	40.9	41.3	41.1	—	5.1	4.0	3.9	4.3	—
Food products machinery	3556	42.8	42.0	41.6	41.7	—	4.7	4.2	4.0	4.2	—
General industrial machinery	356	43.2	41.3	41.6	41.5	—	5.1	3.8	4.0	4.1	—
Pumps and pumping equipment	3561	41.5	40.3	40.3	40.7	—	4.6	3.8	3.5	3.5	—
Ball and roller bearings	3562	43.9	41.6	42.1	41.6	—	6.4	5.3	4.7	4.4	—
Air and gas compressors	3563	43.4	41.5	42.7	43.5	—	5.7	3.7	4.2	4.8	—
Blowers and fans	3564	42.5	41.2	41.8	41.5	—	3.7	2.2	2.8	2.9	—
Speed changers, drives, and gears	3566	44.7	41.4	41.6	41.7	—	6.7	4.2	4.4	4.8	—
Power transmission equipment, nec	3568	43.5	41.2	40.8	40.7	—	5.0	3.5	3.8	4.2	—
Computer and office equipment	357	42.5	41.4	41.2	41.0	—	4.5	3.3	4.0	3.6	—
Electronic computers	3571	43.3	42.1	40.9	40.8	—	5.5	3.9	4.4	3.9	—
Computer terminals, calculators, and office machines, nec	3575,8,9	42.1	40.6	41.8	41.3	—	4.2	2.9	4.2	3.8	—
Refrigeration and service machinery	358	43.9	42.1	41.8	41.7	—	4.6	3.6	4.2	4.6	—
Refrigeration and heating equipment	3585	44.7	42.5	41.9	42.1	—	4.9	3.8	4.5	5.1	—
Misc. industrial and commercial machinery	359	43.3	41.9	42.1	42.2	—	6.1	4.8	4.7	5.0	—
Carburetors, pistons, rings, valves	3592	41.8	40.3	40.4	40.4	—	5.5	4.5	4.8	5.0	—
Scales, balances, and industrial machinery, nec ..	3596,9	43.3	42.0	42.2	42.4	—	6.2	4.9	4.8	5.2	—
Electronic and other electrical equipment	36	41.4	40.4	41.1	40.8	41.1	3.8	3.2	3.5	3.6	—
Electric distribution equipment	361	40.4	39.1	40.4	40.4	—	3.9	3.0	3.6	3.9	—
Transformers, except electronic	3612	41.5	40.5	41.8	42.1	—	3.6	2.9	3.0	3.3	—
Switchgear and switchboard apparatus	3613	39.5	37.9	39.3	39.0	—	4.1	3.1	4.0	4.3	—
Electrical industrial apparatus	362	41.2	39.9	41.6	41.1	—	3.6	2.8	3.4	3.3	—
Motors and generators	3621	41.0	39.6	42.3	41.5	—	3.5	2.5	3.5	3.4	—
Relays and industrial controls	3625	40.6	38.9	40.4	40.2	—	3.5	2.7	3.0	3.0	—
Household appliances	363	40.3	38.3	40.9	40.7	—	2.4	1.6	1.9	2.1	—
Household refrigerators and freezers	3632	41.2	37.3	41.4	41.3	—	2.9	1.7	1.6	1.9	—
Household laundry equipment	3633	40.1	40.5	39.6	39.2	—	2.9	2.7	2.3	3.8	—
Electric housewares and fans	3634	39.8	38.7	40.4	41.2	—	1.7	1.2	1.4	2.2	—
Electric lighting and wiring equipment	364	41.2	39.8	41.2	41.1	—	3.9	2.9	4.1	4.2	—
Electric lamps	3641	40.7	41.0	43.2	42.9	—	3.7	2.8	5.7	5.5	—
Current-carrying wiring devices	3643	41.3	39.7	39.9	39.9	—	4.1	3.1	3.7	4.0	—
Noncurrent-carrying wiring devices	3644	42.8	40.8	41.4	41.2	—	3.2	2.3	4.0	4.0	—
Residential lighting fixtures	3645	39.1	38.2	39.6	39.7	—	3.2	2.7	3.2	3.2	—
Household audio and video equipment	365	41.0	40.0	39.2	39.2	—	4.3	3.8	3.9	4.4	—
Household audio and video equipment	3651	39.5	38.5	37.9	38.4	—	3.0	2.7	2.3	2.7	—
Communications equipment	366	42.1	41.7	40.6	40.2	—	3.3	2.6	2.6	2.6	—
Telephone and telegraph apparatus	3661	43.6	43.7	42.6	42.0	—	3.9	3.3	3.0	3.3	—
Electronic components and accessories	367	41.5	40.7	41.3	41.1	—	4.1	3.7	3.8	3.9	—
Electron tubes	3671	42.6	41.4	44.0	42.0	—	3.8	3.5	2.9	2.7	—
Semiconductors and related devices	3674	42.6	42.3	42.1	41.5	—	5.0	5.0	4.6	4.3	—
Electronic components, nec	3679	40.8	40.2	41.0	41.0	—	3.7	3.0	3.4	3.4	—
Misc. electrical equipment and supplies	369	41.9	41.5	41.7	41.1	—	4.3	4.0	4.4	3.9	—
Storage batteries	3691	41.3	38.5	41.4	40.5	—	3.8	2.9	4.1	3.4	—
Engine electrical equipment	3694	41.9	43.2	42.4	41.8	—	5.1	5.4	5.1	4.8	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Industrial machinery and equipment	35	\$14.36	\$14.32	\$14.71	\$14.79	\$14.80	\$624.66	\$600.01	\$619.29	\$622.66	\$624.56
Engines and turbines	351	16.74	16.74	17.81	18.05	—	763.34	728.19	787.20	805.03	—
Turbines and turbine generator sets	3511	19.82	19.70	20.10	20.13	—	852.26	797.85	888.42	891.76	—
Internal combustion engines, nec	3519	15.74	15.80	17.10	17.41	—	731.91	703.10	755.82	778.23	—
Farm and garden machinery	352	13.98	14.17	13.15	13.30	—	594.15	580.97	541.78	555.94	—
Farm machinery and equipment	3523	14.88	15.04	13.95	14.18	—	638.35	622.66	577.53	592.72	—
Construction and related machinery	353	13.59	13.57	13.96	13.97	—	604.76	579.44	594.70	595.12	—
Construction machinery	3531	13.89	13.93	14.12	14.17	—	615.33	597.60	608.57	616.40	—
Mining machinery	3532	14.47	14.45	14.52	14.43	—	601.95	588.12	592.42	580.09	—
Oil and gas field machinery	3533	13.44	13.32	14.29	14.31	—	659.90	599.40	613.04	615.33	—
Conveyors and conveying equipment	3535	13.74	13.71	14.25	14.17	—	589.45	566.22	594.23	586.64	—
Industrial trucks and tractors	3537	12.72	12.52	12.81	12.73	—	517.70	505.81	534.18	527.02	—
Metalworking machinery	354	15.26	15.16	15.69	15.82	—	669.91	638.24	674.67	677.10	—
Machine tools, metal cutting types	3541	14.97	14.80	15.43	15.68	—	666.17	624.56	660.40	671.10	—
Machine tools, metal forming types	3542	15.61	15.48	16.32	16.26	—	719.62	651.71	713.18	702.43	—
Special dies, tools, jigs, and fixtures	3544	15.98	15.84	16.41	16.49	—	701.52	670.03	712.19	715.67	—
Machine tool accessories	3545	13.34	13.35	13.71	13.97	—	578.96	556.70	578.56	578.36	—
Power driven handtools	3546	12.50	12.54	12.73	12.63	—	511.25	497.84	525.75	515.30	—
Special industry machinery	355	15.10	14.94	15.39	15.46	—	647.79	623.00	643.30	646.23	—
Textile machinery	3552	13.18	13.03	13.37	13.45	—	539.06	515.99	528.12	531.28	—
Printing trades machinery	3555	15.97	16.09	16.11	16.11	—	678.73	658.08	665.34	662.12	—
Food products machinery	3556	14.64	14.56	15.05	15.12	—	626.59	611.52	626.08	630.50	—
General industrial machinery	356	14.06	13.96	14.08	14.17	—	607.39	576.55	585.73	588.06	—
Pumps and pumping equipment	3561	14.77	14.77	15.17	15.08	—	612.96	595.23	611.35	613.76	—
Ball and roller bearings	3562	15.24	15.26	14.59	14.56	—	669.04	634.82	614.24	605.70	—
Air and gas compressors	3563	14.92	14.71	14.28	14.49	—	647.53	610.47	609.76	630.32	—
Blowers and fans	3564	11.65	11.50	11.67	11.73	—	495.13	473.80	487.81	486.80	—
Speed changers, drives, and gears	3566	14.99	14.83	15.42	15.54	—	670.05	613.96	641.47	648.02	—
Power transmission equipment, nec	3568	13.46	13.35	13.94	13.99	—	585.51	550.02	568.75	569.39	—
Computer and office equipment	357	14.87	15.08	15.90	15.82	—	631.98	624.31	655.08	648.62	—
Electronic computers	3571	15.98	16.50	17.73	17.79	—	691.93	694.65	725.16	725.83	—
Computer terminals, calculators, and office machines, nec	3575,8,9	13.53	13.61	14.67	14.46	—	569.61	552.57	613.21	597.20	—
Refrigeration and service machinery	358	12.97	13.00	13.31	13.46	—	569.38	547.30	556.36	561.28	—
Refrigeration and heating equipment	3585	13.34	13.39	13.65	13.84	—	596.30	569.08	571.94	582.66	—
Misc. industrial and commercial machinery	359	14.05	13.89	14.26	14.35	—	608.37	581.99	600.35	605.57	—
Carburetors, pistons, rings, valves	3592	14.60	14.50	14.57	14.53	—	610.28	584.35	588.63	587.01	—
Scales, balances, and industrial machinery, nec ..	3596,9	13.91	13.74	14.14	14.24	—	602.30	577.08	596.71	603.78	—
Electronic and other electrical equipment	36	13.06	13.09	13.26	13.30	13.38	540.68	528.84	544.99	542.64	549.92
Electric distribution equipment	361	12.98	13.10	13.15	13.16	—	524.39	512.21	531.26	531.66	—
Transformers, except electronic	3612	11.91	12.16	12.00	12.05	—	494.27	492.48	501.60	507.31	—
Switchgear and switchboard apparatus	3613	13.99	14.00	14.20	14.19	—	552.61	530.60	558.06	553.41	—
Electrical industrial apparatus	362	12.45	12.37	12.72	12.80	—	512.94	493.56	529.15	526.08	—
Motors and generators	3621	11.55	11.42	11.59	11.69	—	473.55	452.23	490.26	485.14	—
Relays and industrial controls	3625	14.18	14.14	14.56	14.77	—	575.71	550.05	588.22	593.75	—
Household appliances	363	12.35	12.36	12.68	12.70	—	497.71	473.39	518.61	516.89	—
Household refrigerators and freezers	3632	13.45	13.28	14.70	14.88	—	554.14	495.34	608.58	614.54	—
Household laundry equipment	3633	14.23	14.00	13.53	14.01	—	570.62	567.00	535.79	549.19	—
Electric housewares and fans	3634	10.68	10.59	11.02	11.10	—	425.06	409.83	445.21	457.32	—
Electric lighting and wiring equipment	364	12.74	12.67	12.80	12.89	—	524.89	504.27	527.36	529.78	—
Electric lamps	3641	16.09	16.35	17.63	17.49	—	654.86	670.35	761.62	750.32	—
Current-carrying wiring devices	3643	12.88	12.84	13.17	13.26	—	531.94	509.75	525.48	529.07	—
Noncurrent-carrying wiring devices	3644	11.48	11.45	11.99	12.15	—	491.34	467.16	496.39	500.58	—
Residential lighting fixtures	3645	9.19	9.17	9.39	9.47	—	359.33	350.29	371.84	375.96	—
Household audio and video equipment	365	11.63	11.80	12.03	12.25	—	476.83	472.00	471.58	480.20	—
Household audio and video equipment	3651	11.19	11.33	11.82	11.87	—	442.01	436.21	447.98	455.81	—
Communications equipment	366	13.93	13.82	14.12	14.06	—	586.45	576.29	573.27	565.21	—
Telephone and telegraph apparatus	3661	14.84	14.75	14.81	14.72	—	647.02	644.58	630.91	618.24	—
Electronic components and accessories	367	13.12	13.22	13.53	13.50	—	544.48	538.05	558.79	554.85	—
Electron tubes	3671	15.23	15.09	14.88	14.57	—	648.80	624.73	654.72	611.94	—
Semiconductors and related devices	3674	17.38	17.48	18.26	17.96	—	740.39	739.40	768.75	745.34	—
Electronic components, nec	3679	10.70	10.70	11.01	11.04	—	436.56	430.14	451.41	452.64	—
Misc. electrical equipment and supplies	369	14.05	14.02	13.54	13.75	—	588.70	581.83	564.62	565.13	—
Storage batteries	3691	14.93	15.12	15.17	15.16	—	616.61	582.12	628.04	613.98	—
Engine electrical equipment	3694	14.80	14.68	13.29	13.72	—	620.12	634.18	563.50	573.50	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Transportation equipment	37	43.7	41.4	43.9	44.0	44.4	6.0	4.9	5.2	5.3	—
Motor vehicles and equipment	371	43.9	41.2	45.0	45.1	45.9	6.4	5.2	5.8	5.9	—
Motor vehicles and car bodies	3711	43.1	39.6	45.3	45.1	—	6.2	4.4	6.0	6.0	—
Truck and bus bodies	3713	44.5	44.0	43.7	43.9	—	6.8	6.4	4.4	4.8	—
Motor vehicle parts and accessories	3714	44.7	42.0	45.5	45.6	—	6.7	5.8	6.1	6.3	—
Truck trailers	3715	41.4	41.1	40.9	42.0	—	4.5	4.2	2.5	3.5	—
Aircraft and parts	372	44.4	42.8	43.1	43.6	—	6.4	5.2	4.7	4.6	—
Aircraft	3721	44.1	42.7	42.6	43.7	—	6.1	5.0	4.3	4.0	—
Aircraft engines and engine parts	3724	44.4	42.9	44.1	44.1	—	6.1	4.8	5.7	5.8	—
Aircraft parts and equipment, nec	3728	44.7	42.9	43.1	43.1	—	7.0	5.6	4.5	4.6	—
Ship and boat building and repairing	373	42.3	40.4	40.8	40.8	—	4.6	3.3	4.2	4.3	—
Ship building and repairing	3731	43.9	40.6	41.6	41.6	—	5.5	3.5	4.9	5.2	—
Boat building and repairing	3732	40.0	40.0	39.8	39.8	—	3.4	3.1	3.3	3.2	—
Railroad equipment	374	43.8	42.3	41.7	41.3	—	4.6	3.0	4.0	3.6	—
Guided missiles, space vehicles, and parts	376	42.6	40.6	41.8	42.0	—	4.5	3.0	3.7	3.9	—
Guided missiles and space vehicles	3761	42.8	41.0	41.3	41.1	—	4.4	3.1	3.3	3.3	—
Misc. transportation equipment	379	40.9	39.8	40.9	41.1	—	3.8	3.3	3.5	3.5	—
Travel trailers and campers	3792	38.4	37.7	39.2	39.7	—	2.2	2.1	2.1	2.3	—
Instruments and related products	38	41.7	40.6	41.5	41.4	41.4	3.8	2.9	3.1	3.2	—
Search and navigation equipment	381	43.1	42.3	41.6	41.4	—	3.8	3.3	3.2	3.2	—
Measuring and controlling devices	382	41.7	40.5	41.4	41.4	—	3.7	2.5	2.9	3.1	—
Environmental controls	3822	41.0	37.6	43.2	42.6	—	4.3	2.5	3.4	4.2	—
Process control instruments	3823	42.0	40.7	40.5	40.3	—	4.1	2.6	2.8	3.0	—
Instruments to measure electricity	3825	41.9	41.4	40.5	40.9	—	2.6	1.8	2.3	2.5	—
Medical instruments and supplies	384	41.2	39.9	41.7	41.3	—	3.6	2.9	3.5	3.5	—
Surgical and medical instrument	3841	41.4	39.8	42.2	41.5	—	3.6	2.6	3.8	3.8	—
Surgical appliances and supplies	3842	40.2	39.3	41.5	41.2	—	3.7	3.2	3.6	3.6	—
Ophthalmic goods	385	42.1	41.3	40.4	41.3	—	3.0	3.0	1.8	2.2	—
Photographic equipment and supplies	386	42.5	42.7	42.2	42.2	—	6.0	4.2	3.3	3.4	—
Watches, clocks, watchcases, and parts	387	39.8	37.0	39.8	40.3	—	2.6	1.6	1.5	1.7	—
Miscellaneous manufacturing industries	39	40.5	39.4	39.5	39.9	39.8	3.3	2.6	2.7	3.1	—
Jewelry, silverware, and plated ware	391	39.9	39.1	37.8	38.2	—	2.7	2.0	1.8	2.7	—
Jewelry, precious metal	3911	39.1	38.2	37.0	37.4	—	2.8	2.0	1.8	2.8	—
Musical instruments	393	40.3	39.6	40.0	39.8	—	2.4	2.1	2.4	2.5	—
Toys and sporting goods	394	41.2	39.8	40.2	41.5	—	3.2	2.5	2.9	3.7	—
Dolls, games, toys, and children's vehicles	3942,4	39.4	37.9	36.8	37.7	—	2.0	1.6	1.4	1.7	—
Sporting and athletic goods, nec	3949	42.0	40.6	41.7	43.1	—	3.8	2.9	3.6	4.5	—
Pens, pencils, office, and art supplies	395	38.8	38.1	38.7	39.0	—	3.2	2.7	2.5	2.7	—
Costume jewelry and notions	396	39.3	38.3	36.9	38.0	—	2.5	1.7	1.1	1.9	—
Costume jewelry	3961	38.6	37.6	35.7	37.2	—	1.7	1.0	0.5	1.4	—
Miscellaneous manufactures	399	40.7	39.7	40.1	40.0	—	3.7	2.9	3.1	3.2	—
Signs and advertising specialties	3993	42.0	41.1	40.1	40.4	—	4.4	3.8	3.5	3.5	—
Nondurable goods		40.7	40.0	40.5	40.6	40.7	4.2	3.8	4.0	4.2	4.2
Food and kindred products	20	40.9	40.4	41.2	41.1	41.1	4.6	4.2	5.0	4.9	—
Meat products	201	40.0	39.7	40.7	40.9	—	4.2	3.9	4.8	4.9	—
Meat packing plants	2011	41.5	41.4	42.8	43.6	—	4.7	3.9	6.1	6.5	—
Sausages and other prepared meats	2013	41.6	40.8	41.6	42.5	—	5.9	5.6	5.9	6.0	—
Poultry slaughtering and processing	2015	38.5	38.4	39.1	38.8	—	3.4	3.2	3.7	3.5	—
Dairy products	202	41.5	41.4	42.5	42.4	—	4.8	4.7	5.1	5.1	—
Cheese, natural and processed	2022	40.9	40.6	42.3	42.6	—	4.3	4.1	4.5	4.7	—
Fluid milk	2026	41.0	40.8	42.3	41.9	—	4.5	4.4	4.7	4.8	—
Preserved fruits and vegetables	203	40.7	39.5	40.5	40.3	—	4.3	3.8	4.4	4.4	—
Canned specialties	2032	42.3	40.7	41.5	41.1	—	6.0	4.2	4.9	4.9	—
Canned fruits and vegetables	2033	39.9	39.0	39.5	38.7	—	3.7	4.0	3.7	3.3	—
Frozen fruits and vegetables	2037	41.3	40.3	40.6	40.9	—	4.5	3.8	4.5	4.6	—
Grain mill products	204	45.2	44.7	44.0	43.3	—	6.5	6.0	6.9	6.5	—
Flour and other grain mill products	2041	45.2	44.5	44.4	44.0	—	6.3	4.9	6.6	6.2	—
Prepared feeds, nec	2048	43.6	43.6	42.3	42.1	—	5.6	5.6	6.3	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 workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Durable goods—Continued											
Transportation equipment	37	\$17.92	\$17.71	\$17.54	\$17.63	\$17.82	\$783.10	\$733.19	\$770.01	\$775.72	\$791.21
Motor vehicles and equipment	371	18.52	18.35	17.78	18.03	18.24	813.03	756.02	800.10	813.15	837.22
Motor vehicles and car bodies	3711	22.59	22.22	21.40	21.64	—	973.63	879.91	969.42	975.96	—
Truck and bus bodies	3713	16.32	15.96	14.68	14.92	—	726.24	702.24	641.52	654.99	—
Motor vehicle parts and accessories	3714	16.97	17.04	16.61	16.84	—	758.56	715.68	755.76	767.90	—
Truck trailers	3715	11.46	11.22	11.36	11.48	—	474.44	461.14	464.62	482.16	—
Aircraft and parts	372	19.04	18.76	19.31	18.98	—	845.38	802.93	832.26	827.53	—
Aircraft	3721	(2)	(2)	(2)	(2)	—	—	—	—	—	—
Aircraft engines and engine parts	3724	18.79	18.58	19.29	19.33	—	834.28	797.08	850.69	852.45	—
Aircraft parts and equipment, nec	3728	16.80	16.61	16.77	16.67	—	750.96	712.57	722.79	718.48	—
Ship and boat building and repairing	373	13.22	13.10	13.56	13.65	—	559.21	529.24	553.25	556.92	—
Ship building and repairing	3731	14.54	14.43	14.91	15.06	—	638.31	585.86	620.26	626.50	—
Boat building and repairing	3732	11.15	11.22	11.68	11.72	—	446.00	448.80	464.86	466.46	—
Railroad equipment	374	17.43	16.95	16.20	16.09	—	763.43	716.99	675.54	664.52	—
Guided missiles, space vehicles, and parts	376	19.97	19.61	20.37	20.42	—	850.72	796.17	851.47	857.64	—
Guided missiles and space vehicles	3761	(2)	(2)	(2)	(2)	—	—	—	—	—	—
Misc. transportation equipment	379	12.01	11.89	12.37	12.26	—	491.21	473.22	505.93	503.89	—
Travel trailers and campers	3792	12.13	12.05	12.55	12.33	—	465.79	454.29	491.96	489.50	—
Instruments and related products	38	13.73	13.75	13.90	13.95	13.94	572.54	558.25	576.85	577.53	577.12
Search and navigation equipment	381	17.22	17.18	17.46	17.49	—	742.18	726.71	726.34	724.09	—
Measuring and controlling devices	382	13.74	13.76	14.09	14.18	—	572.96	557.28	583.33	587.05	—
Environmental controls	3822	11.96	11.91	11.84	12.02	—	490.36	447.82	511.49	512.05	—
Process control instruments	3823	13.74	13.68	14.33	14.46	—	577.08	556.78	580.37	582.74	—
Instruments to measure electricity	3825	15.72	15.75	16.25	16.18	—	658.67	652.05	658.13	661.76	—
Medical instruments and supplies	384	12.86	12.85	12.79	12.85	—	529.83	512.72	533.34	530.71	—
Surgical and medical instrument	3841	12.10	12.05	12.00	12.16	—	500.94	479.59	506.40	504.64	—
Surgical appliances and supplies	3842	11.99	11.97	12.21	12.19	—	482.00	470.42	506.72	502.23	—
Ophthalmic goods	385	10.24	10.36	10.46	10.55	—	431.10	427.87	422.58	435.72	—
Photographic equipment and supplies	386	16.00	16.07	16.85	16.84	—	680.00	686.19	711.07	710.65	—
Watches, clocks, watchcases, and parts	387	10.42	10.46	10.61	10.66	—	414.72	387.02	422.28	429.60	—
Miscellaneous manufacturing industries	39	10.79	10.76	11.16	11.18	11.19	437.00	423.94	440.82	446.08	445.36
Jewelry, silverware, and plated ware	391	11.16	11.28	11.62	11.80	—	445.28	441.05	439.24	450.76	—
Jewelry, precious metal	3911	11.26	11.40	11.50	11.73	—	440.27	435.48	425.50	438.70	—
Musical instruments	393	10.78	11.05	11.50	11.78	—	434.43	437.58	460.00	468.84	—
Toys and sporting goods	394	10.26	10.33	10.57	10.64	—	422.71	411.13	424.91	441.56	—
Dolls, games, toys, and children's vehicles	3942,4	9.81	9.94	10.31	10.36	—	386.51	376.73	379.41	390.57	—
Sporting and athletic goods, nec	3949	10.44	10.49	10.67	10.74	—	438.48	425.89	444.94	462.89	—
Pens, pencils, office, and art supplies	395	11.27	11.18	11.41	11.42	—	437.28	425.96	441.57	445.38	—
Costume jewelry and notions	396	9.90	9.69	10.09	10.02	—	389.07	371.13	372.32	380.76	—
Costume jewelry	3961	8.99	8.85	9.02	9.04	—	347.01	332.76	322.01	336.29	—
Miscellaneous manufactures	399	11.06	10.93	11.40	11.37	—	450.14	433.92	457.14	454.80	—
Signs and advertising specialties	3993	11.75	11.54	12.25	12.21	—	493.50	474.29	491.23	493.28	—
Nondurable goods		12.63	12.71	12.96	13.02	13.10	514.04	508.40	524.88	528.61	533.17
Food and kindred products	20	11.70	11.75	11.91	11.94	12.06	478.53	474.70	490.69	490.73	495.67
Meat products	201	9.52	9.51	9.78	9.77	—	380.80	377.55	398.05	399.59	—
Meat packing plants	2011	10.13	10.07	10.54	10.50	—	420.40	416.90	451.11	457.80	—
Sausages and other prepared meats	2013	11.00	11.15	11.15	11.06	—	457.60	454.92	463.84	470.05	—
Poultry slaughtering and processing	2015	8.56	8.55	8.77	8.80	—	329.56	328.32	342.91	341.44	—
Dairy products	202	13.34	13.40	13.87	13.90	—	553.61	554.76	589.48	589.36	—
Cheese, natural and processed	2022	12.14	12.29	12.76	12.74	—	496.53	498.97	539.75	542.72	—
Fluid milk	2026	13.95	14.00	14.49	14.57	—	571.95	571.20	612.93	610.48	—
Preserved fruits and vegetables	203	11.34	11.33	11.52	11.64	—	461.54	447.54	466.56	469.09	—
Canned specialties	2032	14.44	14.29	14.65	14.92	—	610.81	581.60	607.98	613.21	—
Canned fruits and vegetables	2033	12.49	12.39	12.94	12.99	—	498.35	483.21	511.13	502.71	—
Frozen fruits and vegetables	2037	10.57	10.58	10.65	10.83	—	436.54	426.37	432.39	442.95	—
Grain mill products	204	14.75	14.81	14.90	14.86	—	666.70	662.01	655.60	643.44	—
Flour and other grain mill products	2041	12.70	12.77	13.21	13.28	—	574.04	568.27	586.52	584.32	—
Prepared feeds, nec	2048	11.59	11.65	12.15	12.31	—	505.32	507.94	513.95	518.25	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods—Continued											
Food and kindred products—Continued											
Bakery products	205	40.6	40.2	39.6	39.6	—	4.6	4.6	4.0	4.2	—
Bread, cake, and related products	2051	40.5	40.3	40.4	40.6	—	4.5	4.9	4.6	4.8	—
Cookies, crackers, and frozen bakery products, except bread	2052,3	41.0	40.1	38.3	37.9	—	4.8	3.9	2.8	3.3	—
Sugar and confectionery products	206	40.9	39.2	40.8	41.2	—	3.8	2.7	4.3	4.2	—
Raw cane sugar	2061	54.8	51.0	55.4	56.1	—	12.6	7.3	13.8	13.8	—
Cane sugar refining	2062	45.3	45.7	48.1	49.3	—	8.9	7.3	6.6	7.8	—
Beet sugar	2063	42.0	40.5	41.3	41.1	—	3.5	4.2	4.5	3.6	—
Candy and other confectionery products	2064	39.6	38.7	39.0	39.6	—	3.0	2.2	3.5	3.3	—
Fats and oils	207	42.9	42.5	41.2	41.1	—	6.0	6.3	5.7	5.7	—
Beverages	208	42.8	42.9	42.9	43.7	—	5.2	5.5	4.7	5.2	—
Malt beverages	2082	46.2	48.7	45.8	45.2	—	7.4	9.0	7.0	6.7	—
Bottled and canned soft drinks	2086	42.5	42.5	42.9	44.9	—	5.1	5.4	5.1	6.3	—
Misc. food and kindred products	209	39.7	38.8	41.4	40.2	—	4.5	3.6	6.2	5.1	—
Tobacco products	21	37.0	37.0	37.1	38.1	37.4	2.4	1.8	2.6	2.7	—
Cigarettes	211	35.3	35.9	37.1	38.7	—	1.9	1.4	2.9	3.6	—
Textile mill products	22	41.2	40.1	40.2	40.4	40.8	4.4	4.0	3.9	4.1	—
Broadwoven fabric mills, cotton	221	42.5	41.1	40.8	40.7	—	5.5	4.6	4.4	4.8	—
Broadwoven fabric mills, synthetics	222	40.8	39.7	40.6	40.3	—	4.6	4.0	4.1	4.2	—
Broadwoven fabric mills, wool	223	40.0	38.5	32.9	36.4	—	4.5	3.3	2.1	3.0	—
Narrow fabric mills	224	40.6	39.9	40.7	41.0	—	3.2	2.6	2.8	2.8	—
Knitting mills	225	39.8	38.4	39.3	39.0	—	3.4	3.0	3.3	3.2	—
Women's hosiery, except socks	2251	37.5	37.2	38.6	39.7	—	1.5	1.4	2.8	2.9	—
Hosiery, nec	2252	38.0	36.3	37.4	37.5	—	2.9	2.7	2.6	2.8	—
Knit outerwear mills	2253	40.4	39.3	39.1	38.3	—	3.2	3.2	3.2	3.0	—
Knit underwear mills	2254	38.2	34.6	43.4	41.5	—	1.7	0.5	2.1	1.7	—
Weft knit fabric mills	2257	41.0	39.9	39.6	39.0	—	5.0	4.7	4.8	4.0	—
Textile finishing, except wool	226	41.9	40.7	41.2	42.0	—	5.1	4.5	4.6	4.9	—
Finishing plants, cotton	2261	41.9	40.0	42.3	42.6	—	5.0	4.3	5.2	4.8	—
Finishing plants, synthetics	2262	41.8	41.3	41.8	42.9	—	4.6	4.0	4.5	5.5	—
Carpets and rugs	227	42.8	41.6	40.9	41.7	—	5.4	5.2	4.1	4.6	—
Yarn and thread mills	228	41.3	41.1	40.0	40.4	—	4.3	4.1	3.8	4.2	—
Yarn spinning mills	2281	42.4	42.4	40.5	40.9	—	4.7	4.7	4.1	4.5	—
Throwing and winding mills	2282	36.6	36.6	38.5	38.4	—	2.8	2.2	2.9	3.4	—
Miscellaneous textile goods	229	42.3	41.4	41.3	41.4	—	4.6	4.3	4.0	4.1	—
Apparel and other textile products	23	37.2	36.5	37.3	37.4	37.5	2.1	1.7	2.0	2.3	—
Men's and boys' suits and coats	231	37.3	36.8	37.7	37.0	—	0.8	0.6	0.9	0.8	—
Men's and boys' furnishings	232	36.3	36.0	35.9	36.0	—	1.4	1.4	1.1	1.3	—
Men's and boys' shirts	2321	36.3	35.4	34.7	35.2	—	1.5	1.1	1.0	1.7	—
Men's and boys' trousers and slacks	2325	34.9	34.6	35.8	36.0	—	1.1	1.0	1.1	1.3	—
Men's and boys' work clothing	2326	37.4	36.6	36.3	35.8	—	1.3	1.5	1.5	1.3	—
Women's and misses' outerwear	233	36.5	35.5	37.0	37.0	—	1.8	1.2	1.9	1.9	—
Women's and misses' blouses and shirts	2331	34.8	34.8	35.5	34.4	—	1.6	1.4	2.6	2.0	—
Women's, juniors', and misses' dresses	2335	38.3	37.3	38.2	38.4	—	2.4	2.0	2.7	3.1	—
Women's and misses' suits and coats	2337	36.3	36.2	36.5	36.9	—	1.4	1.0	2.1	2.0	—
Women's and misses' outerwear, nec	2339	36.3	35.1	36.9	37.0	—	1.7	1.0	1.6	1.6	—
Women's and children's undergarments	234	36.5	35.0	36.5	36.1	—	1.2	1.2	1.4	1.6	—
Women's and children's underwear	2341	36.5	34.6	35.9	35.9	—	1.1	1.1	1.0	1.1	—
Brassieres, girdles, and allied garments	2342	36.5	36.3	38.0	36.5	—	1.7	1.4	2.4	2.8	—
Girls' and children's outerwear	236	33.8	35.1	36.6	35.7	—	2.6	2.4	2.4	2.9	—
Girls' and children's dresses and blouses	2361	33.5	34.0	38.8	37.1	—	3.4	3.1	4.1	4.8	—
Misc. apparel and accessories	238	37.0	36.3	37.1	36.6	—	1.8	1.5	1.6	1.7	—
Misc. fabricated textile products	239	39.2	38.3	38.8	39.4	—	3.4	2.8	3.1	3.8	—
Curtains and draperies	2391	35.6	36.2	36.4	37.4	—	1.1	1.1	1.6	2.3	—
House furnishings, nec	2392	40.0	39.1	39.2	39.3	—	3.9	2.3	3.6	3.8	—
Automotive and apparel trimmings	2396	39.6	38.3	40.0	41.3	—	3.7	3.1	3.0	4.3	—
Paper and allied products	26	43.1	42.5	42.9	43.4	43.5	5.2	4.9	5.0	5.4	—
Paper mills	262	45.5	45.5	45.0	45.3	—	6.7	6.9	6.4	6.8	—
Paperboard mills	263	45.5	44.6	43.8	44.4	—	7.1	7.6	6.5	7.2	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods—Continued											
Food and kindred products—Continued											
Bakery products	205	\$12.60	\$12.80	\$12.79	\$12.97	—	\$511.56	\$514.56	\$506.48	\$513.61	—
Bread, cake, and related products	2051	12.72	12.85	12.90	12.95	—	515.16	517.86	521.16	525.77	—
Cookies, crackers, and frozen bakery products, except bread	2052,3	12.39	12.69	12.57	13.00	—	507.99	508.87	481.43	492.70	—
Sugar and confectionery products	206	12.99	13.08	13.43	13.40	—	531.29	512.74	547.94	552.08	—
Raw cane sugar	2061	12.14	12.08	11.94	11.93	—	665.27	616.08	661.48	669.27	—
Cane sugar refining	2062	18.29	17.94	17.65	17.82	—	828.54	819.86	848.97	878.53	—
Beet sugar	2063	14.13	14.60	14.28	15.08	—	593.46	591.30	589.76	619.79	—
Candy and other confectionery products	2064	12.07	12.13	12.72	12.61	—	477.97	469.43	496.08	499.36	—
Fats and oils	207	12.66	12.86	13.08	13.08	—	543.11	546.55	538.90	537.59	—
Beverages	208	16.05	16.32	16.07	16.06	—	686.94	700.13	689.40	701.82	—
Malt beverages	2082	22.20	22.80	23.02	23.53	—	1,025.64	1,110.36	1,054.32	1,063.56	—
Bottled and canned soft drinks	2086	13.42	13.51	13.37	13.33	—	570.35	574.18	573.57	598.52	—
Misc. food and kindred products	209	10.51	10.48	10.76	10.78	—	417.25	406.62	445.46	433.36	—
Tobacco products	21	18.54	18.94	17.94	19.27	\$20.36	685.98	700.78	665.57	734.19	\$761.46
Cigarettes	211	24.24	24.17	24.18	24.48	—	855.67	867.70	897.08	947.38	—
Textile mill products	22	10.29	10.39	10.60	10.61	10.65	423.95	416.64	426.12	428.64	434.52
Broadwoven fabric mills, cotton	221	10.80	10.83	10.95	10.91	—	459.00	445.11	446.76	444.04	—
Broadwoven fabric mills, synthetics	222	11.24	11.15	11.40	11.44	—	458.59	442.66	462.84	461.03	—
Broadwoven fabric mills, wool	223	10.78	10.73	11.26	11.17	—	431.20	413.11	370.45	406.59	—
Narrow fabric mills	224	9.47	9.50	9.71	9.71	—	384.48	379.05	395.20	398.11	—
Knitting mills	225	9.38	9.51	9.83	9.82	—	373.32	365.18	386.32	382.98	—
Women's hosiery, except socks	2251	8.61	8.68	8.80	8.79	—	322.88	322.90	339.68	348.96	—
Hosiery, nec	2252	9.41	9.41	9.64	9.69	—	357.58	341.58	360.54	363.38	—
Knit outerwear mills	2253	8.74	9.02	9.40	9.37	—	353.10	354.49	367.54	358.87	—
Knit underwear mills	2254	9.59	9.95	9.98	9.75	—	366.34	344.27	433.13	404.63	—
Weft knit fabric mills	2257	10.25	10.23	10.61	10.59	—	420.25	408.18	420.16	413.01	—
Textile finishing, except wool	226	10.55	10.63	10.64	10.71	—	442.05	432.64	438.37	449.82	—
Finishing plants, cotton	2261	10.39	10.55	10.21	10.26	—	435.34	422.00	431.88	437.08	—
Finishing plants, synthetics	2262	11.05	11.03	11.36	11.49	—	461.89	455.54	474.85	492.92	—
Carpets and rugs	227	10.25	10.63	10.65	10.68	—	438.70	442.21	435.59	445.36	—
Yarn and thread mills	228	9.92	9.94	10.32	10.34	—	409.70	408.53	412.80	417.74	—
Yarn spinning mills	2281	9.96	9.92	10.33	10.42	—	422.30	420.61	418.37	426.18	—
Throwing and winding mills	2282	9.94	10.09	10.32	10.12	—	363.80	369.29	397.32	388.61	—
Miscellaneous textile goods	229	11.78	11.95	11.94	11.96	—	498.29	494.73	493.12	495.14	—
Apparel and other textile products	23	8.43	8.47	8.65	8.78	8.85	313.60	309.16	322.65	328.37	331.88
Men's and boys' suits and coats	231	8.59	8.64	8.83	8.83	—	320.41	317.95	332.89	326.71	—
Men's and boys' furnishings	232	7.93	8.07	8.15	8.21	—	287.86	290.52	292.59	295.56	—
Men's and boys' shirts	2321	7.79	7.90	7.97	8.06	—	282.78	279.66	276.56	283.71	—
Men's and boys' trousers and slacks	2325	8.12	8.34	8.52	8.52	—	283.39	288.56	305.02	306.72	—
Men's and boys' work clothing	2326	7.76	7.79	7.92	8.07	—	290.22	285.11	287.50	288.91	—
Women's and misses' outerwear	233	8.06	8.10	8.34	8.34	—	294.19	287.55	308.58	308.58	—
Women's and misses' blouses and shirts	2331	7.26	7.22	8.03	8.03	—	252.65	251.26	285.07	276.23	—
Women's, juniors', and misses' dresses	2335	9.19	9.28	9.53	9.56	—	351.98	346.14	364.05	367.10	—
Women's and misses' suits and coats	2337	8.03	7.94	8.37	8.44	—	291.49	287.43	305.51	311.44	—
Women's and misses' outerwear, nec	2339	7.88	7.94	8.08	8.05	—	286.04	278.69	298.15	297.85	—
Women's and children's undergarments	234	8.09	8.12	8.25	8.33	—	295.29	284.20	301.13	300.71	—
Women's and children's underwear	2341	7.87	7.93	8.11	8.21	—	287.26	274.38	291.15	294.74	—
Brassieres, girdles, and allied garments	2342	8.75	8.66	8.60	8.62	—	319.38	314.36	326.80	314.63	—
Girls' and children's outerwear	236	7.88	8.00	8.21	8.21	—	266.34	280.80	300.49	293.10	—
Girls' and children's dresses and blouses	2361	7.49	7.66	8.07	8.13	—	250.92	260.44	313.12	301.62	—
Misc. apparel and accessories	238	8.14	8.21	8.15	8.14	—	301.18	298.02	302.37	297.92	—
Misc. fabricated textile products	239	9.30	9.28	9.42	9.74	—	364.56	355.42	365.50	383.76	—
Curtains and draperies	2391	8.21	8.21	8.26	8.29	—	292.28	297.20	300.66	310.05	—
House furnishings, nec	2392	8.96	8.86	9.32	9.28	—	358.40	346.43	365.34	364.70	—
Automotive and apparel trimmings	2396	11.01	10.77	10.59	11.60	—	436.00	412.49	423.60	479.08	—
Paper and allied products	26	15.27	15.44	15.68	15.77	15.83	658.14	656.20	672.67	684.42	688.61
Paper mills	262	19.45	19.62	19.95	20.06	—	884.98	892.71	897.75	908.72	—
Paperboard mills	263	19.18	19.56	19.88	20.09	—	872.69	872.38	870.74	892.00	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods—Continued											
Paper and allied products—Continued											
Paperboard containers and boxes	265	42.0	40.9	42.5	43.3	—	4.6	4.1	4.7	5.2	—
Corrugated and solid fiber boxes	2653	42.4	41.1	42.7	44.1	—	4.8	4.3	4.9	5.6	—
Sanitary food containers	2656	41.9	41.8	41.4	41.5	—	4.3	4.3	4.1	4.6	—
Folding paperboard boxes	2657	41.7	39.7	42.7	42.4	—	5.0	3.7	4.8	4.9	—
Misc. converted paper products	267	42.0	41.4	41.8	41.9	—	4.3	3.9	4.1	4.2	—
Paper, coated and laminated, nec	2672	43.1	42.7	42.6	42.1	—	4.3	3.9	3.3	3.7	—
Bags: plastics, laminated, and coated	2673	41.7	41.6	42.0	41.6	—	4.4	4.3	4.9	4.6	—
Envelopes	2677	40.8	40.7	40.7	41.2	—	3.7	3.1	3.8	4.0	—
Printing and publishing	27	38.4	37.8	37.7	37.9	38.0	3.3	2.9	2.7	2.9	—
Newspapers	271	33.0	32.9	32.7	32.6	—	1.2	1.3	1.3	1.4	—
Periodicals	272	36.2	35.6	35.5	35.4	—	1.8	1.8	2.2	2.3	—
Books	273	39.2	38.9	39.2	39.7	—	3.6	3.2	2.8	3.1	—
Book publishing	2731	36.7	37.3	37.3	37.0	—	2.8	2.8	1.9	1.6	—
Book printing	2732	41.9	40.8	41.0	42.3	—	4.6	3.6	3.7	4.5	—
Miscellaneous publishing	274	36.1	36.4	35.7	35.4	—	2.4	2.5	2.2	2.5	—
Commercial printing	275	40.4	39.4	39.4	39.6	—	4.2	3.6	3.3	3.6	—
Commercial printing, lithographic	2752	40.4	39.5	39.4	39.3	—	4.3	3.6	3.3	3.5	—
Commercial printing, nec	2759	40.3	39.3	39.4	40.0	—	4.0	3.5	3.4	3.8	—
Manifold business forms	276	41.7	40.3	42.4	41.9	—	3.7	2.3	4.4	4.0	—
Blankbooks and bookbinding	278	38.9	38.8	37.5	38.5	—	2.8	2.4	2.0	2.6	—
Printing trade services	279	40.5	39.7	39.7	40.4	—	4.7	4.2	3.6	4.4	—
Chemicals and allied products	28	43.4	42.9	42.7	42.9	42.6	5.3	4.9	4.7	4.9	—
Industrial inorganic chemicals	281	46.1	46.0	42.0	42.5	—	5.9	6.5	5.0	4.8	—
Industrial inorganic chemicals, nec	2819	46.2	45.4	42.6	43.0	—	6.0	6.7	5.4	5.2	—
Plastics materials and synthetics	282	44.0	44.2	42.4	42.7	—	5.5	5.8	4.7	4.7	—
Plastics materials and resins	2821	44.7	44.3	43.9	44.2	—	5.5	5.5	4.9	5.0	—
Organic fibers, noncellulosic	2824	43.9	45.5	40.5	41.1	—	5.1	5.9	3.9	3.9	—
Drugs	283	42.0	41.0	42.1	42.6	—	5.2	3.9	4.5	4.9	—
Pharmaceutical preparations	2834	42.3	40.7	42.4	43.0	—	5.2	3.6	4.1	4.8	—
Soap, cleaners, and toilet goods	284	42.0	40.5	41.4	41.6	—	3.8	2.9	3.4	3.7	—
Soap and other detergents	2841	43.7	41.9	43.8	44.3	—	4.9	4.2	4.8	5.5	—
Polishing, sanitation, and finishing preparations ..	2842,3	41.0	40.3	41.4	41.3	—	3.7	3.2	3.8	3.6	—
Toilet preparations	2844	41.7	40.0	40.1	40.3	—	3.3	2.2	2.5	2.8	—
Paints and allied products	285	43.5	42.3	42.4	42.0	—	4.9	3.9	3.9	4.2	—
Industrial organic chemicals	286	44.1	44.2	45.0	44.7	—	6.2	6.3	6.2	6.1	—
Cyclic crudes and intermediates	2865	43.2	41.9	46.4	45.2	—	5.1	4.7	6.4	5.6	—
Industrial organic chemicals, nec	2869	44.3	44.7	44.7	44.6	—	6.4	6.6	6.1	6.1	—
Agricultural chemicals	287	45.9	45.6	45.7	45.2	—	7.5	7.1	6.9	6.7	—
Miscellaneous chemical products	289	43.0	42.1	43.1	42.9	—	4.7	4.1	4.6	4.6	—
Petroleum and coal products	29	43.2	42.8	43.4	44.2	43.4	6.4	6.2	6.0	6.8	—
Petroleum refining	291	43.3	42.7	43.2	44.5	—	6.3	5.9	5.7	7.0	—
Asphalt paving and roofing materials	295	43.0	43.7	44.2	43.8	—	7.1	7.4	7.5	6.9	—
Rubber and misc. plastics products	30	41.5	41.0	41.4	41.7	41.8	4.4	4.0	4.1	4.3	—
Tires and inner tubes	301	43.0	43.0	42.8	43.1	—	6.0	6.2	5.5	5.6	—
Rubber and plastics footwear	302	41.9	38.7	39.5	41.5	—	3.4	4.2	4.0	4.6	—
Hose, belting, gaskets, and packing	305	41.6	40.8	42.7	42.6	—	4.5	3.8	4.3	4.4	—
Rubber and plastics hose and belting	3052	43.5	41.9	43.8	43.1	—	5.4	4.6	5.1	4.6	—
Fabricated rubber products, nec	306	42.5	40.8	41.7	41.9	—	4.6	3.4	3.9	4.1	—
Miscellaneous plastics products, nec	308	41.2	40.8	41.2	41.5	—	4.2	3.9	4.0	4.3	—
Leather and leather products	31	37.7	36.5	37.2	37.4	37.4	2.3	1.7	1.8	2.0	—
Leather tanning and finishing	311	42.3	40.2	42.5	42.9	—	5.1	3.9	4.1	4.7	—
Footwear, except rubber	314	36.1	35.2	36.2	36.0	—	1.8	1.3	1.3	1.2	—
Men's footwear, except athletic	3143	35.7	35.0	35.7	35.6	—	1.8	1.1	1.1	0.9	—
Women's footwear, except athletic	3144	37.1	35.8	37.4	36.9	—	2.1	1.7	1.6	1.8	—
Luggage	316	36.9	35.6	34.8	35.7	—	1.4	1.1	1.1	1.9	—
Handbags and personal leather goods	317	37.6	37.4	35.9	36.0	—	1.8	0.9	1.7	1.6	—
Service-producing		32.9	32.6	32.7	32.6	32.7	—	—	—	—	—
Transportation and public utilities		39.4	39.1	39.0	38.9	38.7	—	—	—	—	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Nondurable goods—Continued											
Paper and allied products—Continued											
Paperboard containers and boxes	265	\$12.97	\$13.04	\$13.22	\$13.31	—	\$544.74	\$533.34	\$561.85	\$576.32	—
Corrugated and solid fiber boxes	2653	12.92	13.01	13.18	13.24	—	547.81	534.71	562.79	583.88	—
Sanitary food containers	2656	13.18	13.38	13.49	13.72	—	552.24	559.28	558.49	569.38	—
Folding paperboard boxes	2657	13.69	13.71	13.95	14.04	—	570.87	544.29	595.67	595.30	—
Misc. converted paper products	267	13.21	13.30	13.76	13.78	—	554.82	550.62	575.17	577.38	—
Paper, coated and laminated, nec	2672	15.26	15.36	15.93	16.09	—	657.71	655.87	678.62	677.99	—
Bags: plastics, laminated, and coated	2673	12.03	12.18	12.52	12.52	—	501.65	506.69	525.84	520.83	—
Envelopes	2677	12.20	12.14	12.77	12.71	—	497.76	494.10	519.74	523.65	—
Printing and publishing	27	13.36	13.32	13.65	13.71	\$13.72	513.02	503.50	514.61	519.61	\$521.36
Newspapers	271	13.05	13.14	13.41	13.37	—	430.65	432.31	438.51	435.86	—
Periodicals	272	14.59	14.58	15.06	15.19	—	528.16	519.05	534.63	537.73	—
Books	273	12.47	12.42	12.92	13.12	—	488.82	483.14	506.46	520.86	—
Book publishing	2731	11.88	11.80	12.32	12.57	—	436.00	440.14	459.54	465.09	—
Book printing	2732	13.06	13.06	13.44	13.58	—	547.21	532.85	551.04	574.43	—
Miscellaneous publishing	274	12.88	13.05	12.83	13.00	—	464.97	475.02	458.03	460.20	—
Commercial printing	275	13.63	13.58	13.94	13.99	—	550.65	535.05	549.24	554.00	—
Commercial printing, lithographic	2752	13.90	13.78	14.25	14.28	—	561.56	544.31	561.45	561.20	—
Commercial printing, nec	2759	12.87	12.91	13.09	13.19	—	518.66	507.36	515.75	527.60	—
Manifold business forms	276	14.02	13.96	14.11	14.28	—	584.63	562.59	598.26	598.33	—
Blankbooks and bookbinding	278	10.53	10.39	10.71	10.72	—	409.62	403.13	401.63	412.72	—
Printing trade services	279	16.93	16.85	16.94	17.07	—	685.67	668.95	672.52	689.63	—
Chemicals and allied products	28	16.97	17.15	17.21	17.20	17.37	736.50	735.74	734.87	737.88	739.96
Industrial inorganic chemicals	281	19.37	19.75	19.01	18.89	—	892.96	908.50	798.42	802.83	—
Industrial inorganic chemicals, nec	2819	19.82	20.29	19.78	19.48	—	915.68	921.17	842.63	837.64	—
Plastics materials and synthetics	282	17.69	17.98	18.27	18.17	—	778.36	794.72	774.65	775.86	—
Plastics materials and resins	2821	19.73	20.00	20.39	20.24	—	881.93	886.00	895.12	894.61	—
Organic fibers, noncellulosic	2824	15.04	15.22	15.31	15.20	—	660.26	692.51	620.06	624.72	—
Drugs	283	16.82	16.92	16.76	16.81	—	706.44	693.72	705.60	716.11	—
Pharmaceutical preparations	2834	16.75	16.82	16.59	16.70	—	708.53	684.57	703.42	718.10	—
Soap, cleaners, and toilet goods	284	13.71	13.75	14.42	14.63	—	575.82	556.88	596.99	608.61	—
Soap and other detergents	2841	17.77	17.48	18.19	18.60	—	776.55	732.41	796.72	823.98	—
Polishing, sanitation, and finishing preparations	2842,3	13.23	13.42	13.71	13.77	—	542.43	540.83	567.59	568.70	—
Toilet preparations	2844	12.07	12.16	12.58	12.66	—	503.32	486.40	504.46	510.20	—
Paints and allied products	285	14.48	14.23	14.57	14.66	—	629.88	601.93	617.77	615.72	—
Industrial organic chemicals	286	20.31	20.53	20.53	20.41	—	895.67	907.43	923.85	912.33	—
Cyclic crudes and intermediates	2865	20.15	20.43	20.19	20.29	—	870.48	856.02	936.82	917.11	—
Industrial organic chemicals, nec	2869	20.47	20.69	20.73	20.58	—	906.82	924.84	926.63	917.87	—
Agricultural chemicals	287	16.64	16.77	17.25	17.19	—	763.78	764.71	788.33	776.99	—
Miscellaneous chemical products	289	15.25	15.25	15.63	15.61	—	655.75	642.03	673.65	669.67	—
Petroleum and coal products	29	21.16	20.99	21.42	21.79	21.92	914.11	898.37	929.63	963.12	951.33
Petroleum refining	291	23.76	23.71	24.07	24.69	—	1,028.81	1,012.42	1,039.82	1,098.71	—
Asphalt paving and roofing materials	295	15.00	15.09	15.27	15.31	—	645.00	659.43	674.93	670.58	—
Rubber and misc. plastics products	30	11.78	11.84	12.16	12.20	12.24	488.87	485.44	503.42	508.74	511.63
Tires and inner tubes	301	18.86	19.11	19.08	19.19	—	810.98	821.73	816.62	827.09	—
Rubber and plastics footwear	302	9.95	10.00	10.10	10.20	—	416.91	387.00	398.95	423.30	—
Hose, belting, gaskets, and packing	305	11.74	11.78	12.14	12.22	—	488.38	480.62	518.38	520.57	—
Rubber and plastics hose and belting	3052	11.89	11.88	12.25	12.22	—	517.22	497.77	536.55	526.68	—
Fabricated rubber products, nec	306	11.46	11.44	11.77	11.87	—	487.05	466.75	490.81	497.35	—
Miscellaneous plastics products, nec	308	11.11	11.14	11.52	11.54	—	457.73	454.51	474.62	478.91	—
Leather and leather products	31	9.32	9.28	9.57	9.54	9.57	351.36	338.72	356.00	356.80	357.92
Leather tanning and finishing	311	11.85	11.96	12.29	12.12	—	501.26	480.79	522.33	519.95	—
Footwear, except rubber	314	8.89	8.81	9.15	9.15	—	320.93	310.11	331.23	329.40	—
Men's footwear, except athletic	3143	9.60	9.47	9.89	9.91	—	342.72	331.45	353.07	352.80	—
Women's footwear, except athletic	3144	7.71	7.68	7.81	7.78	—	286.04	274.94	292.09	287.08	—
Luggage	316	9.22	8.99	8.80	8.86	—	340.22	320.04	306.24	316.30	—
Handbags and personal leather goods	317	8.19	8.23	8.27	8.37	—	307.94	307.80	296.89	301.32	—
Service-producing		12.19	12.20	12.66	12.65	12.65	401.05	397.72	413.98	412.39	413.66
Transportation and public utilities		15.24	15.27	15.59	15.54	15.63	600.46	597.06	608.01	604.51	604.88

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Transportation and public utilities—Continued											
Railroad transportation:											
Class I railroads plus Amtrak ³	4011	49.2	48.4	46.1	45.0	-	-	-	-	-	-
Local and interurban passenger transit	41	34.6	33.4	33.9	33.9	-	-	-	-	-	-
Local and suburban transportation	411	38.4	38.5	39.0	38.7	-	-	-	-	-	-
Intercity and rural bus transportation	413	37.9	38.4	38.7	38.1	-	-	-	-	-	-
Trucking and warehousing	42	39.3	39.2	39.1	39.3	-	-	-	-	-	-
Trucking and courier services, except air	421	39.3	39.2	39.0	39.2	-	-	-	-	-	-
Public warehousing and storage	422	39.6	39.2	39.7	40.0	-	-	-	-	-	-
Water transportation:											
Water transportation services	449	38.0	38.3	37.4	36.6	-	-	-	-	-	-
Pipelines, except natural gas	46	43.6	44.1	44.3	43.3	-	-	-	-	-	-
Transportation services	47	38.0	37.5	38.9	39.0	-	-	-	-	-	-
Passenger transportation arrangement	472	38.1	37.6	39.5	39.6	-	-	-	-	-	-
Travel agencies	4724	38.3	37.8	39.8	39.9	-	-	-	-	-	-
Freight transportation arrangement	473	37.8	37.1	38.1	38.0	-	-	-	-	-	-
Communications											
Telephone communications	481	40.7	40.3	40.8	40.5	-	-	-	-	-	-
Telephone communications, except radio	4813	42.3	41.9	42.0	41.8	-	-	-	-	-	-
Radio and television broadcasting	483	42.7	42.2	42.6	42.3	-	-	-	-	-	-
Cable and other pay television services	484	35.9	35.5	35.3	35.1	-	-	-	-	-	-
		40.0	39.8	41.7	41.4	-	-	-	-	-	-
Electric, gas, and sanitary services											
Electric services	49	41.9	41.6	42.6	42.5	-	-	-	-	-	-
Electric services	491	41.4	41.4	41.7	41.8	-	-	-	-	-	-
Gas production and distribution	492	41.8	41.2	42.9	43.0	-	-	-	-	-	-
Combination utility services	493	42.8	41.8	44.3	43.9	-	-	-	-	-	-
Sanitary services	495	42.3	42.2	43.6	43.3	-	-	-	-	-	-
Wholesale trade		38.4	38.1	38.3	38.3	38.4	-	-	-	-	-
Durable goods											
Motor vehicles, parts, and supplies	50	39.2	38.7	39.0	38.9	-	-	-	-	-	-
Furniture and home furnishings	501	37.5	37.1	37.7	37.3	-	-	-	-	-	-
Lumber and other construction materials	502	37.9	37.4	37.4	37.2	-	-	-	-	-	-
Professional and commercial equipment	503	39.1	39.6	39.6	39.6	-	-	-	-	-	-
Medical and hospital equipment	504	40.3	39.3	39.9	39.8	-	-	-	-	-	-
Metals and minerals, except petroleum	5047	40.0	39.1	39.8	39.7	-	-	-	-	-	-
Electrical goods	505	41.1	40.6	41.1	41.0	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	506	39.4	38.9	39.2	39.3	-	-	-	-	-	-
Machinery, equipment, and supplies	507	39.2	39.0	39.1	39.1	-	-	-	-	-	-
Misc. wholesale trade durable goods	508	39.6	39.3	39.4	39.2	-	-	-	-	-	-
	509	37.3	37.0	37.0	36.9	-	-	-	-	-	-
Nondurable goods											
Paper and paper products	51	37.3	37.2	37.3	37.3	-	-	-	-	-	-
Drugs, proprietaries, and sundries	511	36.9	36.5	37.0	36.6	-	-	-	-	-	-
Apparel, piece goods, and notions	512	36.7	36.2	37.5	36.9	-	-	-	-	-	-
Groceries and related products	513	37.3	36.7	36.5	36.7	-	-	-	-	-	-
Farm-product raw materials	514	38.1	38.1	38.0	38.3	-	-	-	-	-	-
Chemicals and allied products	515	32.7	33.8	33.0	33.2	-	-	-	-	-	-
Petroleum and petroleum products	516	40.0	39.3	40.2	40.3	-	-	-	-	-	-
Beer, wine, and distilled beverages	517	37.4	37.2	37.9	37.5	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	518	37.7	37.7	37.2	37.2	-	-	-	-	-	-
	519	36.1	36.5	36.4	36.5	-	-	-	-	-	-
Retail trade		28.7	28.7	28.6	28.6	28.8	-	-	-	-	-
Building materials and garden supplies											
Lumber and other building materials	52	34.7	34.8	34.4	34.4	-	-	-	-	-	-
Paint, glass, and wallpaper stores	521	36.2	36.3	36.0	36.0	-	-	-	-	-	-
Hardware stores	523	35.4	35.7	34.7	35.0	-	-	-	-	-	-
Retail nurseries and garden stores	525	30.5	30.6	29.9	29.6	-	-	-	-	-	-
	526	30.7	31.6	31.1	31.1	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Transportation and public utilities—Continued											
Railroad transportation:											
Class I railroads plus Amtrak ³	4011	\$18.10	\$18.25	\$17.97	\$17.99	—	\$890.52	\$883.30	\$828.42	\$809.55	—
Local and interurban passenger transit	41	10.97	11.08	11.53	11.46	—	379.56	370.07	390.87	388.49	—
Local and suburban transportation	411	11.59	11.61	12.16	12.06	—	445.06	446.99	474.24	466.72	—
Intercity and rural bus transportation	413	13.08	13.15	12.84	12.82	—	495.73	504.96	496.91	488.44	—
Trucking and warehousing	42	13.56	13.60	13.75	13.78	—	532.91	533.12	537.63	541.55	—
Trucking and courier services, except air	421	13.80	13.83	13.98	14.00	—	542.34	542.14	545.22	548.80	—
Public warehousing and storage	422	11.08	11.13	11.45	11.55	—	438.77	436.30	454.57	462.00	—
Water transportation:											
Water transportation services	449	20.56	20.46	20.79	20.15	—	781.28	783.62	777.55	737.49	—
Pipelines, except natural gas	46	20.67	20.34	21.53	20.95	—	901.21	896.99	953.78	907.14	—
Transportation services	47	13.68	13.61	14.12	14.14	—	519.84	510.38	549.27	551.46	—
Passenger transportation arrangement	472	14.11	14.12	14.49	14.45	—	537.59	530.91	572.36	572.22	—
Travel agencies	4724	14.50	14.56	14.90	14.88	—	555.35	550.37	593.02	593.71	—
Freight transportation arrangement	473	13.57	13.33	14.08	14.21	—	512.95	494.54	536.45	539.98	—
Communications	48	17.16	16.99	17.46	17.28	—	698.41	684.70	712.37	699.84	—
Telephone communications	481	17.78	17.43	17.95	17.70	—	752.09	730.32	753.90	739.86	—
Telephone communications, except radio	4813	18.30	17.91	18.46	18.16	—	781.41	755.80	786.40	768.17	—
Radio and television broadcasting	483	17.35	17.68	17.78	17.91	—	622.87	627.64	627.63	628.64	—
Cable and other pay television services	484	13.79	13.77	14.51	14.39	—	551.60	548.05	605.07	595.75	—
Electric, gas, and sanitary services	49	19.74	19.85	20.33	20.39	—	827.11	825.76	866.06	866.58	—
Electric services	491	20.64	20.98	21.64	21.46	—	854.50	868.57	902.39	897.03	—
Gas production and distribution	492	18.60	18.65	18.75	18.62	—	777.48	768.38	804.38	800.66	—
Combination utility services	493	24.03	23.88	23.89	24.75	—	1,028.48	998.18	1,058.33	1,086.53	—
Sanitary services	495	15.53	15.50	16.28	16.30	—	656.92	654.10	709.81	705.79	—
Wholesale trade		13.86	13.90	14.33	14.23	\$14.18	532.22	529.59	548.84	545.01	\$544.51
Durable goods	50	14.45	14.52	14.97	14.89	—	566.44	561.92	583.83	579.22	—
Motor vehicles, parts, and supplies	501	12.86	12.94	13.12	13.06	—	482.25	480.07	494.62	487.14	—
Furniture and home furnishings	502	12.84	12.91	13.13	13.08	—	486.64	482.83	491.06	486.58	—
Lumber and other construction materials	503	12.97	13.02	13.47	13.40	—	507.13	515.59	533.41	530.64	—
Professional and commercial equipment	504	17.00	17.15	17.70	17.60	—	685.10	674.00	706.23	700.48	—
Medical and hospital equipment	5047	16.94	17.09	17.50	17.43	—	677.60	668.22	696.50	691.97	—
Metals and minerals, except petroleum	505	13.89	13.94	14.16	14.15	—	570.88	565.96	581.98	580.15	—
Electrical goods	506	15.67	15.75	15.85	15.72	—	617.40	612.68	621.32	617.80	—
Hardware, plumbing, and heating equipment	507	13.63	13.55	14.09	13.95	—	534.30	528.45	550.92	545.45	—
Machinery, equipment, and supplies	508	14.39	14.52	15.13	15.03	—	569.84	570.64	596.12	589.18	—
Misc. wholesale trade durable goods	509	11.34	11.37	11.56	11.61	—	422.98	420.69	427.72	428.41	—
Nondurable goods	51	12.98	13.00	13.35	13.25	—	484.15	483.60	497.96	494.23	—
Paper and paper products	511	13.28	13.45	13.68	13.48	—	490.03	490.93	506.16	493.37	—
Drugs, proprietaries, and sundries	512	16.72	16.89	17.47	17.36	—	613.62	611.42	655.13	640.58	—
Apparel, piece goods, and notions	513	12.92	12.89	13.26	13.13	—	481.92	473.06	483.99	481.87	—
Groceries and related products	514	13.17	13.22	13.40	13.31	—	501.78	503.68	509.20	509.77	—
Farm-product raw materials	515	9.94	9.92	10.34	10.36	—	325.04	335.30	341.22	343.95	—
Chemicals and allied products	516	14.79	14.76	15.52	15.63	—	591.60	580.07	623.90	629.89	—
Petroleum and petroleum products	517	11.85	11.90	12.11	12.15	—	443.19	442.68	458.97	455.63	—
Beer, wine, and distilled beverages	518	15.07	15.32	15.27	15.18	—	568.14	577.56	568.04	564.70	—
Misc. wholesale trade nondurable goods	519	10.76	10.69	11.12	10.99	—	388.44	390.19	404.77	401.14	—
Retail trade		8.67	8.70	9.00	8.98	8.96	248.83	249.69	257.40	256.83	258.05
Building materials and garden supplies	52	10.09	10.11	10.62	10.61	—	350.12	351.83	365.33	364.98	—
Lumber and other building materials	521	10.49	10.54	11.05	11.04	—	379.74	382.60	397.80	397.44	—
Paint, glass, and wallpaper stores	523	10.50	10.43	10.77	10.69	—	371.70	372.35	373.72	374.15	—
Hardware stores	525	8.48	8.58	8.71	8.76	—	258.64	262.55	260.43	259.30	—
Retail nurseries and garden stores	526	9.10	8.95	9.78	9.66	—	279.37	282.82	304.16	300.43	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Retail trade—Continued											
General merchandise stores	53	29.5	29.2	29.0	29.7	-	-	-	-	-	-
Department stores	531	29.6	29.3	29.0	29.8	-	-	-	-	-	-
Variety stores	533	27.2	27.2	27.0	27.0	-	-	-	-	-	-
Misc. general merchandise stores	539	29.9	30.1	29.4	29.6	-	-	-	-	-	-
Food stores	54	29.4	29.5	29.3	29.2	-	-	-	-	-	-
Grocery stores	541	29.5	29.6	29.4	29.3	-	-	-	-	-	-
Retail bakeries	546	28.6	28.8	28.3	28.2	-	-	-	-	-	-
Automotive dealers and service stations	55	35.4	35.4	35.1	35.1	-	-	-	-	-	-
New and used car dealers	551	36.9	36.9	36.6	36.5	-	-	-	-	-	-
Auto and home supply stores	553	37.7	37.9	37.3	37.6	-	-	-	-	-	-
Gasoline service stations	554	31.6	31.6	31.5	31.6	-	-	-	-	-	-
Automotive dealers, nec	559	34.6	35.3	34.7	33.9	-	-	-	-	-	-
Apparel and accessory stores	56	26.4	26.4	25.7	25.9	-	-	-	-	-	-
Men's and boys' clothing stores	561	27.9	28.1	28.3	28.1	-	-	-	-	-	-
Women's clothing stores	562	24.4	24.5	22.7	23.2	-	-	-	-	-	-
Family clothing stores	565	27.2	27.2	26.7	27.0	-	-	-	-	-	-
Shoe stores	566	26.1	25.8	25.7	26.0	-	-	-	-	-	-
Furniture and home furnishings stores	57	32.9	32.6	32.6	32.6	-	-	-	-	-	-
Furniture and home furnishings stores	571	32.7	32.4	32.5	32.6	-	-	-	-	-	-
Household appliance stores	572	33.9	33.9	33.1	33.1	-	-	-	-	-	-
Radio, television, and computer stores	573	33.1	32.5	32.5	32.6	-	-	-	-	-	-
Radio, television, and electronic stores	5731	33.2	32.3	32.2	32.2	-	-	-	-	-	-
Record and prerecorded tape stores	5735	25.1	25.7	25.2	26.0	-	-	-	-	-	-
Eating and drinking places ⁴	58	25.2	25.2	25.2	25.1	-	-	-	-	-	-
Miscellaneous retail establishments	59	29.0	29.2	29.4	29.0	-	-	-	-	-	-
Drug stores and proprietary stores	591	28.3	28.6	29.1	28.8	-	-	-	-	-	-
Used merchandise stores	593	30.0	30.1	30.2	29.9	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	27.3	27.4	27.1	26.8	-	-	-	-	-	-
Nonstore retailers	596	31.8	31.9	32.3	33.0	-	-	-	-	-	-
Fuel dealers	598	37.7	36.8	38.0	38.1	-	-	-	-	-	-
Retail stores, nec	599	29.8	30.5	31.3	29.5	-	-	-	-	-	-
Optical goods stores	5995	33.7	33.3	33.7	33.6	-	-	-	-	-	-
Miscellaneous retail stores, nec	5999	30.3	30.6	30.0	29.9	-	-	-	-	-	-
Finance, insurance, and real estate⁵		36.8	36.1	36.3	36.1	36.0	-	-	-	-	-
Depository institutions	60	35.8	35.1	35.4	35.1	-	-	-	-	-	-
Commercial banks	602	35.6	34.8	35.3	35.0	-	-	-	-	-	-
State commercial banks	6022	35.7	35.0	35.1	34.8	-	-	-	-	-	-
National and commercial banks, nec	6021,9	35.6	34.7	35.5	35.2	-	-	-	-	-	-
Credit unions	606	36.0	35.6	35.6	35.4	-	-	-	-	-	-
Nondepository institutions	61	39.2	38.0	38.5	38.3	-	-	-	-	-	-
Personal credit institutions	614	39.7	38.0	39.6	39.7	-	-	-	-	-	-
Security and commodity brokers: Security and commodity services	628	39.6	38.4	38.1	37.9	-	-	-	-	-	-
Insurance carriers	63	39.6	38.8	38.8	38.6	-	-	-	-	-	-
Life insurance	631	40.0	39.0	39.1	39.0	-	-	-	-	-	-
Medical service and health insurance	632	39.7	38.9	38.6	38.5	-	-	-	-	-	-
Hospital and medical service plans	6324	40.1	39.4	39.0	38.9	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	39.3	38.7	38.8	38.4	-	-	-	-	-	-
Services		32.7	32.4	32.5	32.4	32.5	-	-	-	-	-
Agricultural services	07	33.1	34.9	33.1	32.8	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Retail trade—Continued											
General merchandise stores	53	\$8.58	\$8.72	\$8.77	\$8.82	—	\$253.11	\$254.62	\$254.33	\$261.95	—
Department stores	531	8.65	8.79	8.82	8.87	—	256.04	257.55	255.78	264.33	—
Variety stores	533	7.74	7.81	8.00	8.07	—	210.53	212.43	216.00	217.89	—
Misc. general merchandise stores	539	8.27	8.34	8.58	8.58	—	247.27	251.03	252.25	253.97	—
Food stores	54	8.99	8.99	9.28	9.30	—	264.31	265.21	271.90	271.56	—
Grocery stores	541	9.08	9.09	9.37	9.39	—	267.86	269.06	275.48	275.13	—
Retail bakeries	546	8.00	8.00	8.35	8.32	—	228.80	230.40	236.31	234.62	—
Automotive dealers and service stations	55	11.85	12.04	12.39	12.26	—	419.49	426.22	434.89	430.33	—
New and used car dealers	551	14.83	15.16	15.51	15.28	—	547.23	559.40	567.67	557.72	—
Auto and home supply stores	553	9.81	9.90	10.22	10.22	—	369.84	375.21	381.21	384.27	—
Gasoline service stations	554	7.73	7.77	8.07	8.03	—	244.27	245.53	254.21	253.75	—
Automotive dealers, nec	559	12.46	12.58	13.20	13.04	—	431.12	444.07	458.04	442.06	—
Apparel and accessory stores	56	8.40	8.39	8.69	8.64	—	221.76	221.50	223.33	223.78	—
Men's and boys' clothing stores	561	10.19	10.13	10.10	10.14	—	284.30	284.65	285.83	284.93	—
Women's clothing stores	562	8.34	8.21	8.68	8.70	—	203.50	201.15	197.04	201.84	—
Family clothing stores	565	8.14	8.19	8.44	8.33	—	221.41	222.77	225.35	224.91	—
Shoe stores	566	8.21	8.31	8.30	8.24	—	214.28	214.40	213.31	214.24	—
Furniture and home furnishings stores	57	11.75	11.71	12.17	12.05	—	386.58	381.75	396.74	392.83	—
Furniture and home furnishings stores	571	11.00	11.00	11.52	11.46	—	359.70	356.40	374.40	373.60	—
Household appliance stores	572	11.13	11.07	11.44	11.48	—	377.31	375.27	378.66	379.99	—
Radio, television, and computer stores	573	12.71	12.66	13.01	12.78	—	420.70	411.45	422.83	416.63	—
Radio, television, and electronic stores	5731	11.77	11.69	11.93	11.66	—	390.76	377.59	384.15	375.45	—
Record and prerecorded tape stores	5735	7.31	7.15	7.35	7.34	—	183.48	183.76	185.22	190.84	—
Eating and drinking places ⁴	58	6.26	6.29	6.52	6.51	—	157.75	158.51	164.30	163.40	—
Miscellaneous retail establishments	59	9.45	9.41	9.75	9.78	—	274.05	274.77	286.65	283.62	—
Drug stores and proprietary stores	591	9.96	10.00	10.28	10.31	—	281.87	286.00	299.15	296.93	—
Used merchandise stores	593	7.90	7.86	8.13	8.08	—	237.00	236.59	245.53	241.59	—
Miscellaneous shopping goods stores	594	8.79	8.69	9.02	9.02	—	239.97	238.11	244.44	241.74	—
Nonstore retailers	596	10.03	10.01	10.32	10.31	—	318.95	319.32	333.34	340.23	—
Fuel dealers	598	12.66	12.65	13.25	13.18	—	477.28	465.52	503.50	502.16	—
Retail stores, nec	599	9.45	9.47	9.79	9.92	—	281.61	288.84	306.43	292.64	—
Optical goods stores	5995	10.99	10.98	11.60	11.72	—	370.36	365.63	390.92	393.79	—
Miscellaneous retail stores, nec	5999	9.79	9.93	10.27	10.21	—	296.64	303.86	308.10	305.28	—
Finance, insurance, and real estate⁵		13.97	13.98	14.55	14.53	\$14.62	514.10	504.68	528.17	524.53	\$526.32
Depository institutions	60	10.77	10.71	11.29	11.24	—	385.57	375.92	399.67	394.52	—
Commercial banks	602	10.28	10.22	10.93	10.88	—	365.97	355.66	385.83	380.80	—
State commercial banks	6022	10.15	10.10	10.60	10.47	—	362.36	353.50	372.06	364.36	—
National and commercial banks, nec	6021,9	10.37	10.30	11.17	11.18	—	369.17	357.41	396.54	393.54	—
Credit unions	606	10.50	10.54	10.89	10.83	—	378.00	375.22	387.68	383.38	—
Nondepository institutions	61	14.42	14.51	14.82	14.95	—	565.26	551.38	570.57	572.59	—
Personal credit institutions	614	12.05	12.22	12.29	12.41	—	478.39	464.36	486.68	492.68	—
Security and commodity brokers: Security and commodity services	628	20.16	20.36	21.94	22.00	—	798.34	781.82	835.91	833.80	—
Insurance carriers	63	16.49	16.60	16.90	16.79	—	653.00	644.08	655.72	648.09	—
Life insurance	631	14.89	14.99	15.28	15.31	—	595.60	584.61	597.45	597.09	—
Medical service and health insurance	632	15.58	15.63	16.27	16.18	—	618.53	608.01	628.02	622.93	—
Hospital and medical service plans	6324	15.93	15.97	16.71	16.62	—	638.79	629.22	651.69	646.52	—
Fire, marine, and casualty insurance	633	18.10	18.25	18.40	18.07	—	711.33	706.28	713.92	693.89	—
Services		12.77	12.77	13.32	13.33	13.34	417.58	413.75	432.90	431.89	433.55
Agricultural services	07	9.89	9.76	10.30	10.32	—	327.36	340.62	340.93	338.50	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Services—Continued											
Agricultural services—Continued											
Veterinary services	074	28.8	28.9	28.4	28.6	—	—	—	—	—	—
Landscape and horticultural services	078	35.3	37.6	35.4	34.8	—	—	—	—	—	
Hotels and other lodging places:											
Hotels and motels ⁴	701	31.3	31.1	30.4	30.2	—	—	—	—	—	
Personal services:											
Laundry, cleaning, and garment services	721	34.0	34.2	33.7	33.8	—	—	—	—	—	
Beauty shops ⁴	723	28.4	28.1	28.3	27.9	—	—	—	—	—	
Miscellaneous personal services	729	25.8	26.3	29.5	26.9	—	—	—	—	—	
Business services											
Advertising	731	37.2	36.5	36.8	36.4	—	—	—	—	—	
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services	7334	37.2	36.1	36.6	36.3	—	—	—	—	—	
Services to buildings	734	28.5	28.5	28.3	28.4	—	—	—	—	—	
Disinfecting and pest control services	7342	37.0	37.2	36.7	37.3	—	—	—	—	—	
Building maintenance services, nec	7349	27.6	27.6	27.5	27.5	—	—	—	—	—	
Miscellaneous equipment rental and leasing	735	38.5	38.5	38.5	38.4	—	—	—	—	—	
Medical equipment rental	7352	36.5	36.7	36.5	37.1	—	—	—	—	—	
Heavy construction equipment rental	7353	40.2	40.5	40.0	40.3	—	—	—	—	—	
Equipment rental and leasing, nec	7359	38.5	38.3	38.6	38.1	—	—	—	—	—	
Personnel supply services:											
Help supply services	7363	32.4	31.6	32.6	32.7	—	—	—	—	—	
Computer and data processing services	737	38.5	38.2	38.5	38.6	—	—	—	—	—	
Computer programming services	7371	38.1	37.7	38.3	38.0	—	—	—	—	—	
Computer integrated systems design	7373	40.1	39.7	39.6	39.7	—	—	—	—	—	
Information retrieval services	7375	38.5	38.4	39.7	39.2	—	—	—	—	—	
Computer maintenance and repair	7378	39.0	38.7	39.4	39.6	—	—	—	—	—	
Miscellaneous business services	738	32.8	32.8	33.0	32.8	—	—	—	—	—	
Detective and armored car services	7381	34.5	34.2	34.5	34.8	—	—	—	—	—	
Security systems services	7382	35.7	35.7	36.8	36.1	—	—	—	—	—	
Auto repair, services, and parking											
Automotive rentals, without drivers	751	37.2	37.0	35.9	35.8	—	—	—	—	—	
Passenger car rental	7514	37.1	37.3	35.6	35.4	—	—	—	—	—	
Automobile parking	752	33.0	32.1	33.2	34.1	—	—	—	—	—	
Automotive repair shops	753	37.7	37.8	37.6	37.6	—	—	—	—	—	
Automotive and tire repair shops	7532,4	37.7	37.9	38.0	37.8	—	—	—	—	—	
General automotive repair shops	7538	37.3	37.6	37.3	37.4	—	—	—	—	—	
Automotive services, except repair	754	30.5	30.0	31.2	30.3	—	—	—	—	—	
Carwashes	7542	27.3	26.7	27.5	26.8	—	—	—	—	—	
Miscellaneous repair services	76	38.3	38.2	37.4	37.8	—	—	—	—	—	
Motion pictures											
Motion picture production and services	781	38.5	38.2	40.2	39.1	—	—	—	—	—	
Video tape rental	784	23.5	23.0	23.4	23.9	—	—	—	—	—	
Amusement and recreation services											
Bowling centers	793	25.1	24.7	25.4	25.2	—	—	—	—	—	
Misc. amusement and recreation services	799	25.5	25.9	25.6	25.0	—	—	—	—	—	
Physical fitness facilities	7991	19.4	18.8	19.5	19.2	—	—	—	—	—	
Membership sports and recreation clubs	7997	27.8	28.1	27.3	27.1	—	—	—	—	—	
Health services											
Offices and clinics of medical doctors	801	33.2	32.9	32.9	32.7	—	—	—	—	—	
Offices and clinics of dentists	802	28.5	28.1	28.0	27.8	—	—	—	—	—	
Offices and clinics of other health practitioners	804	30.5	29.8	30.2	30.1	—	—	—	—	—	
Nursing and personal care facilities	805	32.4	32.4	32.1	32.0	—	—	—	—	—	
Intermediate care facilities	8052	31.7	31.7	31.4	31.5	—	—	—	—	—	
Hospitals	806	35.1	34.9	34.9	34.9	—	—	—	—	—	

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Services—Continued											
Agricultural services—Continued											
Veterinary services	074	\$9.85	\$9.90	\$10.13	\$10.14	—	\$283.68	\$286.11	\$287.69	\$290.00	—
Landscape and horticultural services	078	9.98	9.76	10.41	10.43	—	352.29	366.98	368.51	362.96	—
Hotels and other lodging places:											
Hotels and motels ⁴	701	8.91	8.90	9.19	9.17	—	278.88	276.79	279.38	276.93	—
Personal services:											
Laundry, cleaning, and garment services	721	8.28	8.32	8.64	8.67	—	281.52	284.54	291.17	293.05	—
Beauty shops ⁴	723	9.24	9.33	9.51	9.69	—	262.42	262.17	269.13	270.35	—
Miscellaneous personal services	729	8.86	8.66	9.40	9.35	—	228.59	227.76	277.30	251.52	—
Business services											
Advertising	73	12.41	12.45	13.08	13.08	—	415.74	412.10	439.49	440.80	—
Mailing, reproduction, and stenographic services:	731	17.39	17.47	18.12	18.10	—	646.91	637.66	666.82	658.84	—
Photocopying and duplicating services	7334	11.13	11.12	11.48	11.79	—	414.04	401.43	420.17	427.98	—
Services to buildings	734	8.13	8.20	8.38	8.41	—	231.71	233.70	237.15	238.84	—
Disinfecting and pest control services	7342	11.13	11.15	11.45	11.48	—	411.81	414.78	420.22	428.20	—
Building maintenance services, nec	7349	7.75	7.81	7.99	8.01	—	213.90	215.56	219.73	220.28	—
Miscellaneous equipment rental and leasing	735	12.50	12.48	13.17	13.18	—	481.25	480.48	507.05	506.11	—
Medical equipment rental	7352	12.16	12.22	13.32	13.18	—	443.84	448.47	486.18	488.98	—
Heavy construction equipment rental	7353	16.04	16.18	16.83	17.06	—	644.81	655.29	673.20	687.52	—
Equipment rental and leasing, nec	7359	11.50	11.40	12.00	11.97	—	442.75	436.62	463.20	456.06	—
Personnel supply services:											
Help supply services	7363	10.11	10.14	10.54	10.55	—	327.56	320.42	343.60	344.99	—
Computer and data processing services	737	20.93	20.89	21.89	21.75	—	805.81	798.00	842.77	839.55	—
Computer programming services	7371	24.19	24.12	24.93	25.16	—	921.64	909.32	954.82	956.08	—
Computer integrated systems design	7373	20.74	20.86	21.08	20.90	—	831.67	828.14	834.77	829.73	—
Information retrieval services	7375	16.13	15.86	15.92	15.64	—	621.01	609.02	632.02	613.09	—
Computer maintenance and repair	7378	15.84	15.82	17.53	17.26	—	617.76	612.23	690.68	683.50	—
Miscellaneous business services	738	10.04	10.09	10.31	10.34	—	329.31	330.95	340.23	339.15	—
Detective and armored car services	7381	8.09	8.17	8.52	8.52	—	279.11	279.41	293.94	296.50	—
Security systems services	7382	13.06	13.38	13.72	13.99	—	466.24	477.67	504.90	505.04	—
Auto repair, services, and parking											
Automotive rentals, without drivers	75	10.89	10.97	11.30	11.31	—	388.77	389.44	402.28	400.37	—
Passenger car rental	751	10.42	10.45	10.81	10.81	—	387.62	386.65	388.08	387.00	—
Automobile parking	7514	9.47	9.53	9.80	9.80	—	351.34	355.47	348.88	346.92	—
Automotive repair shops	752	8.16	8.13	8.59	8.51	—	269.28	260.97	285.19	290.19	—
Automotive and tire repair shops	753	12.22	12.32	12.70	12.71	—	460.69	465.70	477.52	477.90	—
General automotive repair shops	7532,4	12.76	12.89	13.45	13.35	—	481.05	488.53	511.10	504.63	—
Automotive services, except repair	7538	12.24	12.27	12.45	12.54	—	456.55	461.35	464.39	469.00	—
Carwashes	754	8.34	8.35	8.59	8.62	—	254.37	250.50	268.01	261.19	—
Miscellaneous repair services	7542	7.29	7.36	7.59	7.52	—	199.02	196.51	208.73	201.54	—
Motion pictures											
Motion picture production and services	76	13.11	13.17	13.66	13.84	—	502.11	503.09	510.88	523.15	—
Video tape rental	78	14.54	14.51	15.47	16.13	—	428.93	423.69	470.29	482.29	—
Amusement and recreation services	781	19.96	19.97	21.16	22.68	—	768.46	762.85	850.63	886.79	—
Bowling centers	784	7.14	7.31	7.25	7.19	—	167.79	168.13	169.65	171.84	—
Amusement and recreation services											
Bowling centers	79	9.90	9.72	10.19	10.21	—	260.37	254.66	266.98	263.42	—
Misc. amusement and recreation services	793	7.43	7.53	7.64	7.60	—	186.49	185.99	194.06	191.52	—
Physical fitness facilities	799	9.09	8.98	9.36	9.42	—	231.80	232.58	239.62	235.50	—
Membership sports and recreation clubs	7991	8.74	8.80	9.09	9.21	—	169.56	165.44	177.26	176.83	—
Health services	7997	9.62	9.55	9.95	9.97	—	267.44	268.36	271.64	270.19	—
Health services											
Offices and clinics of medical doctors	80	13.59	13.65	14.05	14.06	—	451.19	450.45	462.25	461.17	—
Offices and clinics of dentists	801	14.19	14.21	14.56	14.61	—	471.11	467.51	479.02	477.75	—
Offices and clinics of other health practitioners	802	13.98	14.09	14.53	14.54	—	398.43	395.93	406.84	404.21	—
Nursing and personal care facilities	804	13.16	13.24	12.92	12.94	—	401.38	394.55	390.18	389.49	—
Intermediate care facilities	805	9.63	9.70	10.00	10.01	—	312.01	314.28	321.00	320.32	—
Hospitals	8052	9.13	9.18	9.59	9.58	—	289.42	291.01	301.13	301.77	—
	806	15.30	15.37	15.83	15.82	—	537.03	536.41	552.47	552.12	—

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999 ^P	Apr. 1999 ^P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999 ^P	Apr. 1999 ^P
Services—Continued											
Health services—Continued											
Home health care services	808	29.1	29.0	29.0	28.7	-	-	-	-	-	-
Legal services	81	35.4	34.7	34.8	34.7	-	-	-	-	-	-
Social services	83	31.3	31.1	31.2	30.9	-	-	-	-	-	-
Individual and family services	832	31.3	31.1	31.4	31.1	-	-	-	-	-	-
Job training and related services	833	30.9	30.5	30.6	30.4	-	-	-	-	-	-
Child day care services	835	30.0	29.8	29.5	29.2	-	-	-	-	-	-
Residential care	836	32.2	32.1	32.2	32.0	-	-	-	-	-	-
Social services, nec	839	32.5	32.1	32.7	32.3	-	-	-	-	-	-
Membership organizations:											
Professional organizations	862	35.5	34.8	35.4	35.1	-	-	-	-	-	-
Engineering and management services	87	37.9	37.4	37.6	37.3	-	-	-	-	-	-
Engineering and architectural services	871	39.6	39.1	39.1	39.0	-	-	-	-	-	-
Engineering services	8711	39.9	39.4	39.5	39.4	-	-	-	-	-	-
Architectural services	8712	38.5	38.3	38.3	37.9	-	-	-	-	-	-
Surveying services	8713	38.6	38.1	36.6	36.7	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	872	38.9	38.7	38.2	38.1	-	-	-	-	-	-
Research and testing services	873	36.3	36.0	36.6	36.4	-	-	-	-	-	-
Commercial physical research	8731	39.9	39.8	39.6	39.3	-	-	-	-	-	-
Commercial nonphysical research	8732	30.0	29.5	31.1	31.7	-	-	-	-	-	-
Noncommercial research organizations	8733	35.9	35.5	36.5	35.7	-	-	-	-	-	-
Management and public relations	874	36.4	35.7	36.4	35.7	-	-	-	-	-	-
Management services	8741	35.7	34.7	35.1	34.3	-	-	-	-	-	-
Management consulting services	8742	36.8	36.1	36.8	36.1	-	-	-	-	-	-
Public relations services	8743	36.5	35.0	34.5	35.0	-	-	-	-	-	-
Services, nec	89	34.6	34.2	34.7	34.9	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Services—Continued											
Health services—Continued											
Home health care services	808	\$11.44	\$11.42	\$11.87	\$11.83	—	\$332.90	\$331.18	\$344.23	\$339.52	—
Legal services	81	17.97	17.75	18.68	18.70	—	636.14	615.93	650.06	648.89	—
Social services	83	9.09	9.08	9.47	9.48	—	284.52	282.39	295.46	292.93	—
Individual and family services	832	9.63	9.59	9.97	9.96	—	301.42	298.25	313.06	309.76	—
Job training and related services	833	8.81	8.78	9.20	9.20	—	272.23	267.79	281.52	279.68	—
Child day care services	835	7.82	7.83	8.17	8.19	—	234.60	233.33	241.02	239.15	—
Residential care	836	9.16	9.21	9.59	9.60	—	294.95	295.64	308.80	307.20	—
Social services, nec	839	11.14	11.04	11.40	11.43	—	362.05	354.38	372.78	369.19	—
Membership organizations:											
Professional organizations	862	18.38	18.21	18.56	18.40	—	652.49	633.71	657.02	645.84	—
Engineering and management services											
Engineering and architectural services	87	17.76	17.70	18.24	18.24	—	673.10	661.98	685.82	680.35	—
Engineering services	871	19.67	19.53	20.01	20.03	—	778.93	763.62	782.39	781.17	—
Architectural services	8711	20.53	20.40	20.90	20.90	—	819.15	803.76	825.55	823.46	—
Surveying services	8712	17.73	17.54	17.95	17.98	—	682.61	671.78	687.49	681.44	—
Accounting, auditing, and bookkeeping	8713	13.59	13.62	13.99	14.20	—	524.57	518.92	512.03	521.14	—
Research and testing services	872	15.31	15.07	15.44	15.52	—	595.56	583.21	589.81	591.31	—
Commercial physical research	873	18.37	18.35	18.62	18.47	—	666.83	660.60	681.49	672.31	—
Commercial nonphysical research	8731	20.12	20.18	20.54	20.34	—	802.79	803.16	813.38	799.36	—
Noncommercial research organizations	8732	14.97	14.84	15.10	14.78	—	449.10	437.78	469.61	468.53	—
Management and public relations	8733	21.64	21.76	21.96	21.98	—	776.88	772.48	801.54	784.69	—
Management services	874	16.98	17.13	17.99	18.02	—	618.07	611.54	654.84	643.31	—
Management consulting services	8741	15.23	15.45	15.88	15.97	—	543.71	536.12	557.39	547.77	—
Public relations services	8742	19.03	19.16	20.91	20.81	—	700.30	691.68	769.49	751.24	—
Services, nec	8743	15.64	15.85	16.59	16.46	—	570.86	554.75	572.36	576.10	—
Services, nec	89	17.55	17.64	18.39	18.29	—	607.23	603.29	638.13	638.32	—

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

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

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

⁴ Money payments only; tips, not included.

⁵ Excludes nonoffice commissioned real estate sales agents.

— Data not available.

P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

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

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

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

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

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Feb. 1998	Mar. 1998	Feb. 1999	Mar. 1999 ^P	Feb. 1998	Mar. 1998	Feb. 1999	Mar. 1999 ^P
Average hourly earnings, excluding lump-sum payments	\$20.86	\$21.03	\$21.47	\$20.73	\$21.49	\$21.33	\$21.95	\$22.01
Average hourly earnings, including lump-sum payments	20.88	21.07	21.58	20.77	21.65	21.57	22.15	22.10

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999P	Apr. 1999P
Manufacturing	\$12.76	\$12.83	\$13.00	\$13.03	\$13.09
Durable goods	13.25	13.29	13.43	13.47	13.51
Lumber and wood products	10.41	10.47	10.75	10.76	(2)
Furniture and fixtures	10.36	10.43	10.62	10.60	(2)
Stone, clay, and glass products	12.63	12.76	12.82	12.85	(2)
Primary metal industries	14.47	14.69	14.41	14.50	(2)
Fabricated metal products	12.31	12.32	12.65	12.68	(2)
Industrial machinery and equipment	13.50	13.62	13.95	14.00	(2)
Electronic and other electrical equipment	12.49	12.59	12.72	12.74	(2)
Transportation equipment	16.76	16.73	16.55	16.62	(2)
Instruments and related products	13.13	13.27	13.39	13.43	(2)
Miscellaneous manufacturing	10.37	10.42	10.79	10.77	(2)
Nondurable goods	12.02	12.14	12.35	12.38	\$12.46
Food and kindred products	11.08	11.16	11.24	11.27	(2)
Tobacco products	17.95	18.49	17.32	18.61	(2)
Textile mill products	9.77	9.90	10.11	10.11	(2)
Apparel and other textile products	8.20	8.28	8.42	8.52	(2)
Paper and allied products	14.40	14.59	14.82	14.85	(2)
Printing and publishing	12.82	12.83	13.18	13.20	(2)
Chemicals and allied products	16.00	16.23	16.31	16.28	(2)
Petroleum and coal products	19.70	19.56	20.02	20.23	(2)
Rubber and misc. plastics products	11.19	11.28	11.58	11.60	(2)
Leather and leather products	9.04	9.07	9.34	9.29	(2)

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

² Not available.

P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	Average hourly earnings					Average weekly earnings				
	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999 ^P	Apr. 1999 ^P	Mar. 1998	Apr. 1998	Feb. 1999	Mar. 1999 ^P	Apr. 1999 ^P
Total private:										
Current dollars	\$12.68	\$12.69	\$13.09	\$13.09	\$13.12	\$437.46	\$434.00	\$448.99	\$447.68	\$450.02
Constant (1982) dollars	7.74	7.73	7.87	7.86	(2)	267.07	264.31	269.99	268.72	(2)
Mining:										
Current dollars	16.89	16.84	17.13	17.09	\$17.01	733.03	730.86	731.45	722.91	\$739.94
Constant (1982) dollars	10.31	10.26	10.30	10.26	(2)	447.52	445.10	439.84	433.92	(2)
Construction:										
Current dollars	16.29	16.34	16.63	16.76	\$16.83	617.39	620.92	630.28	630.18	\$649.64
Constant (1982) dollars	9.95	9.95	10.00	10.06	(2)	376.92	378.15	379.00	378.26	(2)
Manufacturing:										
Current dollars	13.47	13.46	13.66	13.72	\$13.80	561.70	549.17	564.16	568.01	\$574.08
Constant (1982) dollars	8.22	8.20	8.21	8.24	(2)	342.92	334.45	339.24	340.94	(2)
Transportation and public utilities:										
Current dollars	15.24	15.27	15.59	15.54	\$15.63	600.46	597.06	608.01	604.51	\$604.88
Constant (1982) dollars	9.30	9.30	9.37	9.33	(2)	366.58	363.62	365.61	362.85	(2)
Wholesale trade:										
Current dollars	13.86	13.90	14.33	14.23	\$14.18	532.22	529.59	548.84	545.01	\$544.51
Constant (1982) dollars	8.46	8.47	8.62	8.54	(2)	324.92	322.53	330.03	327.14	(2)
Retail trade:										
Current dollars	8.67	8.70	9.00	8.98	\$8.96	248.83	249.69	257.40	256.83	\$258.05
Constant (1982) dollars	5.29	5.30	5.41	5.39	(2)	151.91	152.06	154.78	154.16	(2)
Finance, insurance, and real estate:										
Current dollars	13.97	13.98	14.55	14.53	\$14.62	514.10	504.68	528.17	524.53	\$526.32
Constant (1982) dollars	8.53	8.51	8.75	8.72	(2)	313.86	307.36	317.60	314.84	(2)
Services:										
Current dollars	12.77	12.77	13.32	13.33	\$13.34	417.58	413.75	432.90	431.89	\$433.55
Constant (1982) dollars	7.80	7.78	8.01	8.00	(2)	254.93	251.98	260.31	259.24	(2)

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

² Not available.

P = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1997 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1997 forward are subject to revision.

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Alabama	41.8	41.7	42.1	\$12.07	\$12.26	\$12.33	\$504.53	\$511.24	\$519.09
Birmingham	43.4	42.5	41.1	12.76	12.95	13.02	553.78	550.38	535.12
Mobile	44.3	43.3	44.6	14.23	13.78	14.14	630.39	596.67	630.64
Alaska	59.7	61.1	57.7	10.14	9.47	10.06	605.36	578.62	580.46
Arizona	41.0	40.1	40.4	11.88	12.64	12.62	487.08	506.86	509.85
Arkansas	41.7	41.6	40.9	11.00	11.40	11.52	458.70	474.24	471.17
Fayetteville-Springdale-Rogers	41.0	42.7	43.1	10.70	10.94	10.93	438.70	467.14	471.08
Fort Smith	42.8	41.6	41.6	11.00	11.37	11.43	470.80	472.99	475.49
Little Rock-North Little Rock	43.3	41.8	42.4	11.94	12.12	12.16	517.00	506.62	515.58
Pine Bluff	40.5	40.0	40.4	12.62	12.80	13.08	511.11	512.00	528.43
California	41.8	41.6	41.9	13.55	13.87	13.89	566.39	576.99	581.99
Bakersfield	42.3	42.1	42.8	13.92	13.76	13.93	588.82	579.30	596.20
Fresno	40.8	40.6	40.9	12.02	12.20	12.17	490.42	495.32	497.75
Los Angeles-Long Beach	42.5	42.6	42.5	12.76	12.98	12.98	542.30	552.95	551.65
Modesto	41.6	41.6	41.8	13.75	13.94	13.94	572.00	579.90	582.69
Oakland	41.3	42.2	42.3	15.55	15.66	15.67	642.22	660.85	662.84
Orange County	43.7	42.8	43.2	12.94	13.26	13.35	565.48	567.53	576.72
Riverside-San Bernardino	42.4	41.9	42.3	11.99	12.26	12.22	508.38	513.69	516.91
Sacramento	40.8	40.9	41.1	14.57	14.86	14.80	594.46	607.77	608.28
Salinas	36.9	38.4	38.5	14.28	14.25	14.27	526.93	547.20	549.40
San Diego	40.3	40.2	40.3	13.56	13.67	13.68	546.47	549.53	551.30
San Francisco	41.1	40.3	40.5	14.67	14.76	14.86	602.94	594.83	601.83
San Jose	42.6	42.6	42.4	16.66	17.08	17.13	709.72	727.61	726.31
Santa Barbara-Santa Maria-Lompoc	41.8	40.8	40.8	14.15	14.37	14.34	591.47	586.30	585.07
Santa Rosa	40.3	39.8	39.7	14.92	15.50	15.51	601.28	616.90	615.75
Stockton-Lodi	42.0	42.0	41.2	13.44	13.42	13.44	564.48	563.64	553.73
Vallejo-Fairfield-Napa	42.2	42.5	42.9	15.54	15.78	15.83	655.79	670.65	679.11
Ventura	43.6	42.8	42.9	12.43	12.50	12.68	541.95	535.00	543.97
Colorado	41.2	41.1	42.1	13.49	14.02	14.07	555.79	576.22	592.35
Denver	41.7	41.5	43.1	12.74	13.15	13.17	531.26	545.73	567.63
Connecticut	42.7	41.9	42.4	14.75	15.00	15.08	629.83	628.50	639.39
Bridgeport	42.4	41.1	41.6	15.13	15.21	15.35	641.51	625.13	638.56
Danbury	43.0	41.2	41.0	14.84	14.80	14.91	638.12	609.76	611.31
Hartford	43.9	42.5	42.8	15.63	15.91	16.00	686.16	676.18	684.80
New Haven-Meriden	42.4	42.1	42.6	14.50	14.63	14.88	614.80	615.92	633.89
New London-Norwich	42.2	42.4	42.6	15.27	15.68	15.71	644.39	664.83	669.25
Stamford-Norwalk	40.4	38.9	38.2	13.74	13.86	13.84	555.10	539.15	528.69
Waterbury	43.7	44.1	44.2	13.72	14.33	14.36	599.56	631.95	634.71
Delaware	42.0	42.3	42.3	15.29	15.54	15.61	642.18	657.34	660.30
Dover	40.0	40.4	40.3	13.68	14.07	13.97	547.20	568.43	562.99
Wilmington-Newark	44.2	43.2	43.1	18.51	18.66	18.49	818.14	806.11	796.92
District of Columbia:									
Washington PMSA	39.2	39.0	37.1	14.10	15.13	15.34	552.72	590.07	569.11
Florida	41.6	42.0	42.4	11.27	11.69	11.60	468.83	490.98	491.84
Georgia	41.8	40.8	41.5	11.90	12.24	12.22	497.42	499.39	507.13
Atlanta	40.9	40.4	40.9	12.89	12.95	13.07	527.20	523.18	534.56
Savannah	46.5	46.6	46.8	14.46	15.79	15.93	672.39	735.81	745.52
Hawaii	37.7	39.4	39.9	13.46	13.31	13.15	507.44	524.41	524.69
Honolulu	39.6	40.3	41.3	13.41	13.28	13.06	531.04	535.18	539.38
Idaho	37.3	38.9	39.3	12.88	12.98	12.90	480.42	504.92	506.97
Illinois	41.4	41.5	41.6	13.64	13.86	13.94	564.70	575.19	579.90
Bloomington-Normal	39.1	38.6	39.7	17.39	17.77	17.98	679.95	685.92	713.81
Champaign-Urbana	40.9	41.3	41.0	11.14	11.31	11.32	455.63	467.10	464.12
Chicago	41.3	41.7	41.7	13.48	13.61	13.66	556.72	567.54	569.62
Davenport-Moline-Rock Island	43.3	41.7	41.7	15.60	15.28	15.64	675.48	637.18	652.19
Decatur	42.6	42.3	42.2	16.77	16.79	16.78	714.40	710.22	708.12
Kankakee	42.0	39.9	40.6	15.22	15.70	15.78	639.24	626.43	640.67
Peoria-Pekin	42.7	42.0	42.1	16.60	16.54	16.54	708.82	694.68	696.33
Rockford	42.9	42.7	42.7	15.33	16.04	16.07	657.66	684.91	686.19
Springfield	41.7	41.7	42.1	12.16	12.41	12.31	507.07	517.50	518.25

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
Indiana	42.7	42.9	42.8	\$14.96	\$14.95	\$14.99	\$638.79	\$641.36	\$641.57
Bloomington	40.5	40.6	40.7	11.95	12.11	12.42	483.98	491.67	505.49
Elkhart-Goshen	39.1	40.0	39.8	12.38	13.00	12.92	484.06	520.00	514.22
Evansville-Henderson	43.3	44.5	44.3	14.94	14.43	14.43	646.90	642.14	639.25
Fort Wayne	41.9	41.3	41.0	14.84	16.15	15.49	621.80	667.00	635.09
Gary	41.7	44.9	44.9	18.80	19.08	19.36	783.96	856.69	869.26
Indianapolis	44.2	44.3	44.3	15.82	15.59	15.56	699.24	690.64	689.31
Kokomo	50.9	48.2	47.0	20.98	21.94	22.58	1,066.86	1,057.51	1,061.26
Lafayette	42.8	42.9	43.0	15.83	15.62	15.64	677.52	670.10	672.52
Muncie	45.8	45.8	45.6	15.09	15.02	15.02	691.12	684.91	684.91
South Bend	39.4	41.2	41.1	12.57	12.25	12.13	495.26	504.70	498.54
Terre Haute	44.9	44.2	44.7	14.70	14.55	14.75	660.03	643.11	659.33
Iowa	41.5	40.8	40.6	13.85	14.08	14.02	574.78	574.46	569.21
Cedar Rapids	41.8	40.9	38.7	17.25	16.72	16.98	721.05	683.85	734.53
Des Moines	40.7	39.7	37.9	14.09	13.89	13.98	573.46	551.43	529.84
Dubuque	39.5	37.7	38.0	15.07	15.67	15.18	595.27	590.76	576.84
Sioux City	41.8	39.1	39.7	11.37	12.15	11.81	475.27	475.07	468.86
Kansas	42.1	41.0	41.0	13.81	14.10	14.17	581.40	578.10	580.97
Topeka	41.7	40.7	41.1	15.72	16.75	16.69	655.52	681.73	685.96
Wichita	43.8	41.6	41.6	16.26	16.29	16.27	712.19	677.66	676.83
Kentucky	41.5	41.1	41.3	13.67	14.14	14.22	567.31	581.15	587.29
Lexington	42.9	42.1	42.2	13.98	14.06	14.09	599.74	591.93	594.60
Louisville	41.4	41.7	42.3	15.26	15.84	15.86	631.76	660.53	670.88
Louisiana	44.6	43.3	43.5	14.86	14.94	15.05	662.76	646.90	654.68
Baton Rouge	44.0	42.3	42.8	17.98	17.34	17.81	790.24	733.48	753.71
New Orleans	43.9	42.9	43.0	14.72	14.92	14.98	646.21	640.07	644.14
Shreveport-Bossier City	42.1	41.2	41.9	14.46	14.16	14.19	608.77	563.39	594.56
Maine	40.7	40.2	40.4	13.22	13.96	13.79	538.05	561.19	557.12
Lewiston-Auburn	40.0	40.9	41.0	11.32	11.91	12.05	452.80	487.12	494.05
Portland	40.7	40.8	42.0	11.30	11.49	11.47	459.91	468.79	481.74
Maryland	41.8	41.1	41.0	14.23	14.45	14.51	594.61	593.90	594.91
Baltimore PMSA	41.5	41.0	41.0	14.84	15.30	15.37	615.86	627.30	630.17
Massachusetts	42.5	41.9	42.0	13.71	14.01	14.06	582.68	587.02	590.52
Boston	41.9	41.2	41.5	14.78	15.34	15.36	619.28	632.01	637.44
Springfield	41.8	40.8	41.5	13.34	13.66	13.66	557.61	557.33	567.72
Worcester	43.2	41.7	42.0	13.80	14.30	14.30	596.16	596.31	600.60
Michigan	43.3	43.6	43.9	17.71	18.00	18.13	766.84	784.80	795.91
Ann Arbor	45.3	44.0	44.5	18.76	19.25	19.75	849.83	847.00	878.88
Detroit	44.5	44.7	45.1	19.21	20.27	20.30	854.85	906.07	915.53
Flint	43.5	45.2	44.5	24.67	25.37	25.29	1,073.15	1,146.72	1,125.41
Grand Rapids-Muskegon-Holland	40.2	41.4	41.8	14.66	15.03	14.96	589.33	622.24	625.33
Jackson	43.3	41.6	41.2	12.78	12.82	13.08	553.37	533.31	538.90
Kalamazoo-Battle Creek	44.8	43.1	42.8	15.53	15.51	15.66	695.74	668.48	670.25
Lansing East Lansing	39.8	42.8	42.9	19.41	19.80	19.63	772.52	847.44	842.13
Saginaw-Bay City-Midland	44.9	44.9	45.5	21.60	22.11	22.41	969.84	992.74	1,019.66
Minnesota	41.3	40.9	40.8	13.93	14.04	14.14	575.31	574.24	576.91
Duluth-Superior	41.3	39.9	39.0	12.31	12.73	12.35	508.40	507.93	481.65
Minneapolis-St. Paul	42.1	41.6	41.5	14.91	15.06	15.20	627.71	626.50	630.80
St. Cloud	44.6	41.5	40.8	13.49	13.35	13.28	601.65	554.03	541.82
Mississippi	41.3	41.1	41.1	10.69	10.97	11.01	441.50	450.87	452.51
Jackson	39.4	40.7	41.4	11.98	12.92	12.95	472.01	525.84	536.13
Missouri	41.3	41.3	41.0	13.26	13.65	13.67	547.64	563.75	560.47
Kansas City	43.1	42.4	42.0	14.34	14.23	14.39	618.05	603.35	604.36
St. Louis	42.5	42.5	42.0	15.69	16.08	15.95	668.83	683.40	669.90
Springfield	38.6	39.0	39.7	11.35	11.66	11.77	438.11	454.74	467.27
Montana	39.0	38.7	37.4	13.67	14.25	14.42	533.13	551.48	539.31
Nebraska	40.6	41.0	41.5	12.17	12.77	12.70	494.10	523.57	527.05
Lincoln	43.2	42.2	44.0	13.85	14.30	14.41	598.32	603.46	634.04
Omaha	41.6	42.9	42.2	13.36	12.89	12.96	555.78	552.98	546.91
Nevada	41.2	41.0	40.7	14.07	14.20	14.06	579.68	582.20	572.24
Las Vegas	40.9	36.6	36.9	15.70	16.39	16.22	642.13	599.87	598.52

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		
	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P	March 1998	February 1999	March 1999P
New Hampshire	41.7	40.7	41.1	\$12.61	\$12.99	\$12.95	\$528.84	\$528.69	\$532.25
Manchester	38.4	40.0	41.4	14.10	13.22	13.34	541.44	528.80	552.28
Nashua	42.0	41.1	41.2	14.30	14.78	14.78	600.60	607.46	608.94
Portsmouth-Rochester	42.3	40.7	40.3	11.86	12.63	12.46	501.68	514.04	502.14
New Jersey	41.8	41.7	41.8	14.55	14.92	14.93	608.19	622.16	624.07
New Mexico	38.7	38.4	38.4	12.66	12.48	12.36	489.94	479.23	474.62
Albuquerque	38.3	37.4	37.9	13.98	14.20	14.63	535.43	531.08	554.48
New York	41.4	41.1	41.3	13.47	13.87	13.88	557.66	570.06	573.24
Albany-Schenectady-Troy	41.4	42.9	43.2	14.59	15.04	15.14	604.03	645.22	654.05
Binghamton	41.1	40.4	40.2	10.70	10.95	10.96	439.77	442.38	440.59
Buffalo-Niagara Falls	43.7	42.9	42.8	17.36	17.59	17.77	758.63	754.61	760.56
Dutchess County	39.9	40.3	40.1	12.03	11.99	12.17	480.00	483.20	488.02
Elmira	41.9	41.6	41.4	12.76	12.68	12.68	534.64	527.49	524.95
Nassau-Suffolk	40.5	39.6	40.2	12.53	12.83	12.91	507.47	508.07	518.98
New York PMSA	39.4	39.1	39.4	12.41	12.70	12.63	488.95	496.57	497.62
New York City	39.3	38.7	39.0	12.16	12.46	12.39	477.89	482.20	483.21
Newburgh	41.3	41.0	41.3	11.04	11.32	11.25	455.95	464.12	464.63
Rochester	42.2	43.0	42.7	14.87	15.34	15.26	627.51	659.62	651.60
Rockland County	41.7	43.7	43.7	15.81	16.00	15.77	659.28	699.20	689.15
Syracuse	43.6	41.3	42.1	14.44	14.66	14.82	629.58	605.46	623.92
Utica-Rome	40.7	40.1	40.4	11.62	12.18	12.26	472.93	488.42	495.30
Westchester County	40.4	40.5	41.2	13.14	12.97	12.95	530.86	525.29	533.54
North Carolina	41.1	40.5	40.6	11.71	12.11	12.16	481.28	490.46	493.70
Asheville	41.1	41.1	40.7	11.44	11.61	11.72	470.18	477.17	477.00
Charlotte-Gastonia-Rock Hill	41.3	40.7	41.0	12.77	13.05	13.09	527.40	531.14	536.69
Greensboro--Winston-Salem--High Point	40.4	39.5	39.8	11.82	12.35	12.38	477.53	487.83	492.72
Raleigh-Durham-Chapel Hill	41.4	42.0	42.8	12.78	13.32	13.31	529.09	559.44	569.67
North Dakota	40.3	40.2	39.9	11.43	11.78	11.62	460.63	473.56	463.64
Fargo-Moorhead	38.3	39.4	38.8	10.49	11.17	10.93	401.77	440.10	424.08
Ohio	43.2	42.9	42.6	15.69	16.11	16.21	677.81	691.12	690.55
Akron	43.2	43.0	42.4	13.05	13.34	13.41	563.76	573.62	568.58
Canton-Massillon	43.2	40.1	40.3	13.79	13.90	13.98	595.73	557.39	563.39
Cincinnati	43.4	43.3	42.4	15.03	15.45	15.61	652.30	668.99	661.86
Cleveland-Lorain-Elyria	43.4	43.0	43.4	15.26	15.83	15.91	662.28	680.69	690.49
Columbus	42.7	41.7	41.6	14.59	14.96	14.96	622.99	623.83	622.34
Dayton-Springfield	43.5	44.0	43.7	16.68	17.20	17.26	725.58	756.80	754.26
Hamilton-Middletown	45.6	46.7	46.9	17.18	17.35	17.48	783.41	810.25	819.81
Lima	43.1	42.9	43.2	16.08	16.56	16.54	693.05	710.42	714.53
Mansfield	43.6	43.8	43.6	15.93	16.30	16.21	694.55	713.94	706.76
Steubenville-Weirton	41.8	41.1	40.9	16.52	17.31	18.08	690.54	711.44	739.47
Toledo	45.2	43.9	43.2	17.27	18.07	18.30	780.60	793.27	790.56
Youngstown-Warren	42.5	42.3	42.8	17.80	17.99	18.01	756.50	760.98	770.83
Oklahoma	42.5	40.6	40.1	12.33	12.63	12.74	524.03	512.78	510.87
Oklahoma City	44.5	39.7	39.3	13.19	13.31	13.35	586.96	528.41	524.66
Tulsa	43.8	42.2	41.9	12.87	13.27	13.42	563.71	559.99	562.30
Oregon	40.9	39.8	40.0	13.84	14.44	14.37	566.06	574.71	574.80
Eugene-Springfield	40.9	40.6	42.4	13.33	13.94	13.83	545.20	565.96	586.39
Medford-Ashland	40.0	38.1	38.4	12.68	13.01	13.20	507.20	495.68	506.88
Portland-Vancouver	41.1	40.0	40.0	14.04	15.01	14.81	577.04	600.40	592.40
Salem	39.0	40.9	40.9	11.95	12.54	12.69	466.05	512.89	519.02
Pennsylvania	42.0	41.5	41.6	14.04	14.22	14.22	589.68	590.13	591.55
Allentown-Bethlem-Easton	42.3	41.4	41.8	14.32	14.90	14.88	605.74	616.86	621.98
Alltoona	40.3	40.1	39.7	11.91	12.49	12.45	479.97	500.85	494.27
Erie	45.0	44.8	44.7	14.23	14.64	14.63	640.35	655.87	653.96
Harrisburg-Lebanon-Carlisle	40.4	39.6	40.1	13.45	14.00	13.98	543.38	554.40	560.60
Johnstown	39.6	39.7	39.1	10.35	10.70	10.65	409.86	424.79	416.42
Lancaster	41.1	40.4	41.0	12.81	13.02	13.09	526.49	526.01	536.69
Philadelphia PMSA	38.4	40.5	40.9	15.17	15.42	15.39	582.53	624.51	629.45
Pittsburgh	43.0	42.0	41.9	15.11	15.15	15.13	649.73	636.30	633.95
Reading	42.1	41.3	40.6	15.13	15.03	14.97	636.97	620.74	607.78
Scranton--Wilkes-Barre--Hazleton	41.1	40.6	40.1	12.51	12.86	12.85	514.16	522.12	515.29
Sharon	41.9	41.4	42.4	13.79	14.24	14.15	577.80	589.54	599.96
State College	41.9	41.7	42.2	12.09	12.50	12.47	506.57	521.25	526.23
Williamsport	40.2	40.9	40.9	11.46	11.62	11.69	460.69	475.26	478.12
York	42.2	42.8	42.9	14.21	14.63	14.77	599.66	626.16	633.63

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		
	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P	March 1998	February 1999	March 1999 ^P
Rhode Island	40.9	39.3	40.1	\$11.53	\$11.89	\$11.89	\$471.58	\$467.28	\$476.79
Providence-Fall River-Warwick	41.5	40.1	40.6	11.78	12.19	12.20	488.87	488.82	495.32
South Carolina	42.5	42.6	42.5	10.49	10.65	10.69	445.83	453.69	454.33
South Dakota	42.5	42.7	42.6	10.08	10.51	10.54	428.40	448.78	449.00
Rapid City	41.2	40.5	40.1	10.28	10.49	10.52	423.54	424.85	421.85
Sioux Falls	43.4	44.1	43.9	10.52	10.95	10.97	456.57	482.90	481.58
Tennessee	41.1	40.2	40.3	11.91	12.25	12.31	489.50	492.45	496.09
Chattanooga	42.3	41.3	41.0	10.96	11.56	11.57	463.61	477.43	474.37
Johnson City-Kingsport-Bristol	39.5	38.4	38.2	12.86	12.79	12.70	507.97	491.14	485.14
Knoxville	40.9	41.1	41.2	11.74	11.98	12.02	480.17	492.38	495.22
Memphis	40.2	40.1	39.8	12.41	13.20	13.27	498.88	529.32	528.15
Nashville	41.2	38.5	38.5	12.88	13.02	13.15	530.66	501.27	506.28
Texas	43.5	43.2	43.1	12.16	12.23	12.24	528.96	528.34	527.54
Dallas	42.6	42.5	42.3	12.37	12.43	12.46	526.96	528.28	527.06
Ft. Worth-Arlington	43.5	42.3	42.7	13.04	13.23	13.26	567.24	559.63	566.20
Houston	45.4	43.8	44.2	14.23	14.28	14.40	646.04	625.46	636.48
San Antonio	43.0	42.5	42.6	9.82	9.90	9.95	422.26	420.75	423.87
Utah	40.1	40.3	40.5	12.98	13.40	13.44	520.50	540.02	544.32
Salt Lake City-Ogden	39.9	40.6	41.1	12.70	12.97	13.14	506.73	526.58	540.05
Vermont	39.9	39.3	39.0	12.91	13.34	13.47	515.11	524.26	525.33
Burlington	43.7	46.7	46.9	13.70	14.33	14.74	598.69	669.21	691.31
Virginia	41.9	41.9	41.8	12.76	13.26	13.28	534.64	555.59	555.10
Bristol	40.9	48.3	50.2	10.50	11.96	11.60	429.45	577.67	582.32
Charlottesville	43.0	41.0	38.0	10.58	10.60	10.43	454.94	434.60	396.34
Danville	43.1	42.5	43.2	12.79	13.25	13.42	551.25	563.13	579.74
Lynchburg	45.9	44.0	42.7	12.58	13.24	12.53	577.42	582.56	535.03
Norfolk-Virginia Beach-Newport News	43.2	42.0	42.9	14.99	14.73	14.71	647.57	618.66	631.06
Northern Virginia	41.1	41.2	41.5	13.10	13.42	13.59	538.41	552.90	563.99
Richmond-Petersburg	40.5	40.9	41.1	15.51	16.54	16.13	628.16	676.49	662.94
Roanoke	41.3	39.6	40.0	14.04	14.26	14.27	579.85	564.70	570.80
Washington	40.8	40.2	41.7	15.63	16.09	15.68	637.70	646.82	653.86
West Virginia	41.6	41.3	40.2	13.51	13.77	13.75	562.02	568.70	552.75
Charleston	47.5	46.9	48.1	15.07	15.85	15.86	715.83	743.37	762.87
Huntington-Ashland	43.1	42.5	42.2	15.03	15.28	15.45	647.79	649.40	651.99
Parkersburg-Marietta	42.7	42.0	42.6	17.16	17.54	17.47	732.73	736.68	744.22
Wheeling	38.9	39.0	38.3	15.73	16.75	16.31	611.90	653.25	624.67
Wisconsin	41.6	41.5	41.5	13.96	14.45	14.47	580.74	599.68	600.51
Appleton-Oshkosh-Neenah	44.6	43.7	42.8	14.88	15.60	15.64	663.65	681.72	669.39
Eau Claire	40.0	41.4	40.8	12.90	12.65	12.53	516.00	523.71	511.22
Green Bay	41.4	41.6	41.2	15.24	15.34	15.51	630.94	638.14	639.01
Janesville-Beloit	43.0	42.5	43.0	18.08	18.74	19.01	777.44	796.45	817.43
Kenosha	39.9	38.1	38.5	15.23	16.20	15.88	607.68	617.22	611.38
La Crosse	42.8	40.0	39.8	12.20	12.74	12.57	522.16	509.60	500.29
Madison	40.2	39.8	40.0	12.96	13.18	13.42	520.99	524.56	536.80
Milwaukee-Waukesha	42.2	41.5	41.4	15.07	15.35	15.35	635.95	637.03	635.49
Racine	40.9	40.3	41.0	14.49	14.49	15.05	592.64	583.95	617.05
Sheboygan	41.4	42.3	42.0	13.59	14.36	14.43	562.63	607.43	606.06
Wausau	41.7	41.8	42.0	13.25	13.92	13.90	552.53	581.86	583.80
Wyoming	40.1	39.5	40.2	14.75	15.41	15.51	591.48	608.70	623.50
Puerto Rico	39.8	(¹)	(¹)	8.27	(¹)	(¹)	329.15	(¹)	(¹)
Virgin Islands	39.4	(¹)	(¹)	18.32	(¹)	(¹)	721.81	(¹)	(¹)

¹ Not available.
P = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1998 benchmarks.

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

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

(Numbers in thousands)

Census region and division	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar. ^P
NORTHEAST													
Civilian labor force	26,071.6	26,045.2	26,055.9	26,027.2	26,024.4	26,035.0	26,081.6	26,092.3	26,115.2	26,147.6	26,178.3	26,245.8	26,239.6
Employed	24,809.8	24,823.1	24,831.6	24,825.3	24,838.3	24,851.8	24,883.0	24,910.0	24,944.2	24,988.5	25,043.3	25,118.7	25,125.2
Unemployed	1,261.7	1,222.1	1,224.2	1,201.9	1,186.1	1,183.2	1,198.6	1,182.3	1,171.0	1,159.2	1,135.0	1,127.1	1,114.4
Unemployment rate	4.8	4.7	4.7	4.6	4.6	4.5	4.6	4.5	4.5	4.4	4.3	4.3	4.2
New England													
Civilian labor force	7,103.7	7,092.4	7,101.6	7,097.0	7,104.3	7,107.4	7,125.5	7,135.9	7,140.1	7,149.3	7,159.3	7,162.0	7,161.3
Employed	6,839.9	6,845.6	6,845.9	6,849.5	6,866.4	6,865.9	6,876.3	6,891.8	6,905.1	6,919.5	6,930.2	6,942.3	6,948.2
Unemployed	263.8	246.8	255.8	247.5	237.9	241.5	249.3	244.0	235.0	229.7	229.1	219.8	213.2
Unemployment rate	3.7	3.5	3.6	3.5	3.3	3.4	3.5	3.4	3.3	3.2	3.2	3.1	3.0
Middle Atlantic													
Civilian labor force	18,967.8	18,952.8	18,954.2	18,930.2	18,920.1	18,927.6	18,956.0	18,956.4	18,975.1	18,998.4	19,019.0	19,083.8	19,078.2
Employed	17,969.9	17,977.5	17,985.8	17,975.8	17,971.9	17,985.8	18,006.7	18,018.2	18,039.2	18,068.9	18,113.1	18,176.4	18,177.1
Unemployed	997.9	975.3	968.5	954.3	948.2	941.8	949.3	938.3	935.9	929.4	905.9	907.4	901.2
Unemployment rate	5.3	5.1	5.1	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7
SOUTH													
Civilian labor force	47,444.1	47,558.9	47,635.6	47,744.2	47,867.6	47,944.9	48,056.0	48,192.6	48,312.9	48,458.9	48,631.6	48,639.5	48,596.6
Employed	45,300.2	45,427.9	45,519.3	45,615.4	45,751.7	45,835.6	45,956.7	46,114.1	46,247.0	46,409.3	46,608.6	46,609.5	46,580.5
Unemployed	2,143.9	2,130.9	2,116.3	2,128.8	2,115.9	2,109.2	2,099.3	2,078.6	2,065.9	2,049.6	2,023.0	2,030.0	2,016.1
Unemployment rate	4.5	4.5	4.4	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.1
South Atlantic													
Civilian labor force	24,499.8	24,548.5	24,581.0	24,623.6	24,698.6	24,745.3	24,813.9	24,902.2	24,979.1	25,072.6	25,170.3	25,178.7	25,142.3
Employed	23,471.2	23,529.3	23,568.3	23,615.9	23,699.7	23,750.9	23,830.3	23,919.4	24,006.0	24,111.5	24,223.7	24,215.0	24,181.4
Unemployed	1,028.6	1,019.2	1,012.8	1,007.6	998.9	994.4	983.6	982.7	973.1	961.1	946.5	963.7	961.0
Unemployment rate	4.2	4.2	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.8
East South Central													
Civilian labor force	8,061.2	8,074.9	8,082.6	8,095.0	8,108.2	8,114.5	8,128.1	8,147.8	8,160.1	8,181.9	8,207.9	8,195.7	8,214.5
Employed	7,680.3	7,703.9	7,715.8	7,734.9	7,756.9	7,757.9	7,769.7	7,793.3	7,809.1	7,831.2	7,853.8	7,850.5	7,848.4
Unemployed	381.0	371.0	366.8	360.2	351.3	356.7	358.3	354.5	351.0	350.7	354.1	345.2	366.2
Unemployment rate	4.7	4.6	4.5	4.4	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.5
West South Central													
Civilian labor force	14,883.0	14,935.5	14,971.9	15,025.7	15,060.8	15,085.0	15,114.0	15,142.7	15,173.7	15,204.5	15,253.4	15,265.0	15,239.8
Employed	14,148.7	14,194.7	14,235.3	14,264.6	14,295.1	14,326.8	14,356.6	14,401.4	14,431.9	14,466.6	14,531.1	14,543.9	14,550.8
Unemployed	734.3	740.7	736.7	761.0	765.8	758.2	757.4	741.3	741.8	737.8	722.4	721.1	689.0
Unemployment rate	4.9	5.0	4.9	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.7	4.7	4.5

See footnotes at end of table.

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

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

(Numbers in thousands)

Census region and division	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
MIDWEST													
Civilian labor force	32,961.0	32,964.4	33,012.1	33,071.8	33,109.8	33,149.1	33,250.3	33,358.5	33,442.1	33,524.7	33,585.8	33,609.3	33,575.2
Employed	31,697.5	31,764.5	31,792.2	31,822.9	31,802.2	31,909.8	32,005.1	32,131.7	32,229.2	32,342.5	32,426.9	32,443.4	32,459.7
Unemployed	1,263.5	1,199.9	1,219.9	1,248.9	1,307.6	1,239.3	1,245.3	1,226.7	1,212.8	1,182.2	1,159.0	1,165.9	1,115.5
Unemployment rate	3.8	3.6	3.7	3.8	3.9	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.3
East North Central													
Civilian labor force	22,854.8	22,842.6	22,866.7	22,914.9	22,937.8	22,965.2	23,035.6	23,107.8	23,154.2	23,210.4	23,267.8	23,294.3	23,276.0
Employed	21,946.8	21,981.9	21,988.2	22,004.6	21,966.0	22,053.3	22,117.7	22,196.9	22,253.3	22,323.7	22,385.9	22,401.4	22,436.4
Unemployed	907.9	860.7	878.5	910.2	971.8	911.8	917.9	910.8	900.9	886.7	881.9	892.9	839.6
Unemployment rate	4.0	3.8	3.8	4.0	4.2	4.0	4.0	3.9	3.9	3.8	3.8	3.8	3.6
West North Central													
Civilian labor force	10,106.2	10,121.8	10,145.4	10,156.9	10,172.0	10,184.0	10,214.8	10,250.7	10,287.9	10,314.3	10,318.0	10,315.0	10,299.2
Employed	9,750.6	9,782.6	9,804.0	9,818.3	9,836.3	9,856.5	9,887.4	9,934.8	9,976.0	10,018.8	10,041.0	10,042.0	10,023.3
Unemployed	355.6	339.2	341.4	338.7	335.8	327.5	327.4	315.9	311.9	295.5	277.1	273.0	275.9
Unemployment rate	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	2.9	2.7	2.6	2.7
WEST													
Civilian labor force	30,539.5	30,583.8	30,663.0	30,717.4	30,819.4	30,831.4	30,921.5	30,971.5	31,038.5	31,055.4	31,134.3	31,155.3	31,235.9
Employed	28,891.7	28,933.7	29,004.5	29,054.9	29,163.7	29,173.7	29,250.9	29,326.2	29,402.6	29,423.7	29,537.4	29,575.6	29,635.2
Unemployed	1,647.8	1,650.1	1,658.5	1,662.4	1,655.7	1,657.7	1,670.5	1,645.3	1,635.9	1,631.7	1,596.8	1,579.8	1,600.7
Unemployment rate	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.1	5.1	5.1
Mountain													
Civilian labor force	8,611.6	8,639.6	8,669.1	8,701.0	8,728.8	8,746.3	8,780.2	8,810.5	8,837.7	8,862.0	8,903.9	8,911.9	8,932.6
Employed	8,222.0	8,247.9	8,278.3	8,304.1	8,338.4	8,359.7	8,396.7	8,433.4	8,468.0	8,502.0	8,553.9	8,568.8	8,578.9
Unemployed	389.6	391.6	390.9	396.9	390.4	386.6	383.4	377.0	369.7	360.0	350.0	343.2	353.7
Unemployment rate	4.5	4.5	4.5	4.6	4.5	4.4	4.4	4.3	4.2	4.1	3.9	3.9	4.0
Pacific													
Civilian labor force	21,927.9	21,944.3	21,993.8	22,016.3	22,090.5	22,085.1	22,141.3	22,161.0	22,200.8	22,193.4	22,230.4	22,243.4	22,303.2
Employed	20,669.7	20,685.8	20,726.2	20,750.8	20,825.2	20,814.0	20,854.2	20,892.7	20,934.6	20,921.7	20,983.5	21,006.8	21,056.3
Unemployed	1,258.2	1,258.5	1,267.6	1,265.5	1,265.3	1,271.1	1,287.1	1,268.3	1,266.2	1,271.7	1,246.8	1,236.6	1,247.0
Unemployment rate	5.7	5.7	5.8	5.7	5.7	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.6

P = preliminary.

¹ These estimates are obtained from summing official State estimates produced and published through the Local Area Unemployment Statistics (LAUS) program.

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

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
Alabama													
Civilian labor force	2,150.6	2,153.3	2,151.6	2,152.1	2,152.0	2,150.3	2,150.4	2,152.1	2,154.2	2,158.7	2,162.3	2,161.7	2,176.8
Employed	2,055.5	2,060.9	2,059.1	2,061.4	2,064.8	2,061.8	2,061.4	2,063.3	2,065.9	2,071.5	2,077.0	2,076.4	2,080.6
Unemployed	95.1	92.4	92.5	90.8	87.3	88.5	89.0	88.7	88.3	87.3	85.3	85.3	96.3
Unemployment rate	4.4	4.3	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.9	4.4
Alaska													
Civilian labor force	316.3	316.4	317.7	318.7	317.3	317.2	317.1	317.3	316.4	315.7	316.6	318.6	318.1
Employed	297.7	298.7	299.3	299.7	299.4	299.5	299.2	299.6	298.9	298.0	297.9	298.2	298.0
Unemployed	18.6	17.7	18.4	19.1	18.0	17.7	17.8	17.7	17.5	17.7	18.7	20.5	20.1
Unemployment rate	5.9	5.6	5.8	6.0	5.7	5.6	5.6	5.6	5.5	5.6	5.9	6.4	6.3
Arizona													
Civilian labor force	2,230.8	2,244.3	2,254.0	2,262.9	2,276.2	2,288.5	2,303.1	2,311.2	2,326.1	2,341.6	2,362.1	2,378.2	2,383.7
Employed	2,135.2	2,147.5	2,158.1	2,168.0	2,182.0	2,193.5	2,208.8	2,218.9	2,233.3	2,249.5	2,269.3	2,283.9	2,283.7
Unemployed	95.6	96.8	95.9	94.9	94.3	95.0	94.3	92.3	92.8	92.2	92.9	94.3	100.0
Unemployment rate	4.3	4.3	4.3	4.2	4.1	4.2	4.1	4.0	4.0	3.9	3.9	4.0	4.2
Arkansas													
Civilian labor force	1,200.6	1,199.5	1,199.3	1,202.0	1,207.7	1,215.4	1,224.5	1,235.4	1,246.0	1,255.0	1,255.7	1,252.7	1,247.7
Employed	1,130.8	1,131.9	1,133.4	1,137.3	1,143.0	1,148.7	1,156.3	1,166.1	1,177.6	1,189.6	1,191.2	1,193.5	1,193.1
Unemployed	69.8	67.6	65.9	64.8	64.7	66.7	68.2	69.3	68.4	65.4	64.5	59.3	54.6
Unemployment rate	5.8	5.6	5.5	5.4	5.4	5.5	5.6	5.6	5.5	5.2	5.1	4.7	4.4
California													
Civilian labor force	16,247.3	16,265.0	16,299.5	16,319.9	16,380.9	16,370.6	16,404.3	16,401.1	16,437.1	16,421.3	16,456.9	16,447.4	16,519.1
Employed	15,280.5	15,297.4	15,329.2	15,355.6	15,415.3	15,400.7	15,425.6	15,438.3	15,473.0	15,452.9	15,509.3	15,521.8	15,568.9
Unemployed	966.8	967.6	970.3	964.3	965.6	969.9	978.6	962.8	964.1	968.4	947.6	925.5	950.1
Unemployment rate	6.0	5.9	6.0	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.8	5.6	5.8
Colorado													
Civilian labor force	2,226.9	2,231.7	2,242.2	2,251.3	2,256.6	2,254.2	2,261.8	2,265.3	2,264.0	2,261.1	2,272.0	2,257.1	2,266.9
Employed	2,140.7	2,143.5	2,153.0	2,158.2	2,166.3	2,165.1	2,172.6	2,179.1	2,182.3	2,183.7	2,201.8	2,197.3	2,206.3
Unemployed	86.3	88.2	89.2	93.0	90.4	89.1	89.2	86.3	81.7	77.4	70.1	59.8	60.7
Unemployment rate	3.9	4.0	4.0	4.1	4.0	4.0	3.9	3.8	3.6	3.4	3.1	2.7	2.7
Connecticut													
Civilian labor force	1,704.0	1,702.9	1,703.4	1,704.1	1,706.7	1,710.0	1,715.8	1,714.2	1,718.0	1,722.0	1,729.5	1,722.8	1,718.5
Employed	1,643.9	1,644.8	1,646.2	1,648.8	1,655.2	1,655.6	1,657.2	1,658.7	1,662.3	1,666.9	1,677.4	1,669.6	1,664.3
Unemployed	60.1	58.2	57.2	55.2	51.5	54.4	58.6	55.5	55.7	55.1	52.2	53.3	54.1
Unemployment rate	3.5	3.4	3.4	3.2	3.0	3.2	3.4	3.2	3.2	3.2	3.0	3.1	3.1
Delaware													
Civilian labor force	388.8	389.7	390.4	391.6	393.6	392.9	394.4	396.3	397.5	398.8	400.4	397.5	399.0
Employed	373.2	373.7	374.5	375.9	377.4	378.5	380.4	382.4	384.2	386.1	387.9	385.1	386.5
Unemployed	15.6	15.9	15.9	15.6	16.2	14.5	14.0	13.9	13.3	12.7	12.5	12.4	12.5
Unemployment rate	4.0	4.1	4.1	4.0	4.1	3.7	3.6	3.5	3.4	3.2	3.1	3.1	3.1
District of Columbia													
Civilian labor force	266.8	269.1	269.3	269.8	268.5	269.0	267.5	266.8	265.7	264.2	266.0	270.2	268.3
Employed	241.9	244.4	245.0	245.4	244.5	245.3	244.2	244.1	243.9	243.6	245.7	250.1	249.1
Unemployed	24.9	24.6	24.3	24.4	24.0	23.7	23.3	22.7	21.9	20.6	20.3	20.1	19.2
Unemployment rate	9.3	9.2	9.0	9.1	8.9	8.8	8.7	8.5	8.2	7.8	7.6	7.4	7.2
Florida													
Civilian labor force	7,135.6	7,165.5	7,174.1	7,199.1	7,221.1	7,242.6	7,276.3	7,309.9	7,346.0	7,386.5	7,424.5	7,433.4	7,411.5
Employed	6,819.5	6,850.9	6,863.4	6,890.3	6,920.7	6,941.6	6,972.3	7,001.6	7,035.2	7,075.5	7,107.9	7,115.4	7,104.5
Unemployed	316.1	314.5	310.6	308.9	300.3	301.0	303.9	308.3	310.8	310.9	316.6	318.0	307.0
Unemployment rate	4.4	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.1

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
Georgia													
Civilian labor force	4,008.1	4,015.6	4,020.5	4,027.9	4,031.3	4,030.3	4,034.2	4,032.1	4,031.5	4,026.0	4,040.1	4,038.7	4,040.0
Employed	3,832.5	3,841.3	3,847.5	3,854.4	3,858.6	3,863.8	3,868.8	3,870.0	3,871.9	3,869.7	3,881.8	3,873.7	3,870.2
Unemployed	175.6	174.3	173.1	173.5	172.8	166.5	165.4	162.1	159.7	156.3	158.2	165.0	169.9
Unemployment rate	4.4	4.3	4.3	4.3	4.3	4.1	4.1	4.0	4.0	3.9	3.9	4.1	4.2
Hawaii													
Civilian labor force	593.8	593.1	595.5	595.7	596.9	597.8	600.6	600.7	601.4	602.5	600.4	597.6	598.9
Employed	556.1	557.0	557.5	557.8	559.5	560.8	562.5	563.3	564.6	565.7	563.7	562.0	563.3
Unemployed	37.7	36.1	38.0	37.9	37.3	37.0	38.1	37.3	36.8	36.9	36.7	35.6	35.6
Unemployment rate	6.4	6.1	6.4	6.4	6.3	6.2	6.3	6.2	6.1	6.1	6.1	6.0	5.9
Idaho													
Civilian labor force	645.7	647.1	649.2	651.9	653.3	655.6	658.8	661.3	663.5	665.8	662.2	662.0	663.0
Employed	612.0	614.4	617.4	618.7	620.9	623.5	625.9	628.5	631.0	632.9	632.2	631.4	631.6
Unemployed	33.6	32.7	31.8	33.2	32.5	32.1	32.9	32.8	32.4	32.9	30.0	30.6	31.4
Unemployment rate	5.2	5.0	4.9	5.1	5.0	4.9	5.0	5.0	4.9	4.9	4.5	4.6	4.7
Illinois													
Civilian labor force	6,208.6	6,195.4	6,194.5	6,215.2	6,229.1	6,224.1	6,239.9	6,249.0	6,246.4	6,248.0	6,283.6	6,284.4	6,296.5
Employed	5,926.5	5,928.0	5,932.5	5,932.0	5,947.8	5,946.0	5,958.3	5,970.7	5,971.3	5,983.3	6,030.6	6,031.2	6,058.8
Unemployed	282.1	267.5	262.0	283.1	281.2	278.1	281.6	278.3	275.1	264.7	253.0	253.2	237.8
Unemployment rate	4.5	4.3	4.2	4.6	4.5	4.5	4.5	4.5	4.4	4.2	4.0	4.0	3.8
Indiana													
Civilian labor force	3,076.1	3,072.3	3,070.4	3,072.1	3,076.4	3,084.8	3,097.5	3,107.2	3,116.5	3,127.3	3,124.8	3,138.4	3,131.1
Employed	2,975.9	2,980.3	2,977.9	2,982.8	2,981.1	2,991.3	3,000.9	3,014.5	3,022.1	3,034.1	3,028.7	3,048.4	3,049.6
Unemployed	100.2	92.0	92.5	89.2	95.3	93.5	96.7	92.7	94.4	93.2	96.1	90.0	81.6
Unemployment rate	3.3	3.0	3.0	2.9	3.1	3.0	3.1	3.0	3.0	3.0	3.1	2.9	2.6
Iowa													
Civilian labor force	1,567.0	1,565.7	1,564.8	1,565.2	1,564.6	1,568.4	1,572.3	1,572.7	1,576.5	1,580.8	1,589.6	1,585.2	1,578.8
Employed	1,521.0	1,521.8	1,522.3	1,521.9	1,522.6	1,526.0	1,529.9	1,531.0	1,534.5	1,538.9	1,543.4	1,543.4	1,536.7
Unemployed	46.0	43.9	42.4	43.4	42.0	42.4	42.4	41.7	42.1	41.9	46.2	41.9	42.2
Unemployment rate	2.9	2.8	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.9	2.6	2.7
Kansas													
Civilian labor force	1,392.9	1,397.9	1,403.2	1,407.7	1,413.5	1,416.2	1,420.0	1,427.4	1,434.2	1,436.4	1,444.8	1,446.3	1,446.6
Employed	1,338.1	1,343.7	1,348.3	1,352.2	1,357.3	1,361.5	1,365.3	1,373.4	1,380.4	1,384.6	1,395.4	1,398.5	1,396.7
Unemployed	54.7	54.2	54.9	55.5	56.2	54.7	54.7	54.0	53.8	51.8	49.4	47.9	49.9
Unemployment rate	3.9	3.9	3.9	3.9	4.0	3.9	3.8	3.8	3.8	3.6	3.4	3.3	3.4
Kentucky													
Civilian labor force	1,917.1	1,919.6	1,920.7	1,923.0	1,920.6	1,924.1	1,926.4	1,930.6	1,932.6	1,936.1	1,941.0	1,942.5	1,944.6
Employed	1,824.3	1,827.8	1,829.3	1,831.4	1,833.9	1,836.1	1,839.4	1,845.5	1,849.9	1,855.9	1,859.3	1,860.1	1,860.5
Unemployed	92.8	91.8	91.4	91.6	86.7	88.0	87.0	85.1	82.8	80.2	81.7	82.4	84.1
Unemployment rate	4.8	4.8	4.8	4.8	4.5	4.6	4.5	4.4	4.3	4.1	4.2	4.2	4.3
Louisiana													
Civilian labor force	2,045.4	2,064.1	2,073.3	2,076.4	2,076.8	2,073.0	2,066.4	2,065.9	2,061.8	2,061.3	2,068.3	2,065.9	2,052.9
Employed	1,927.4	1,939.8	1,952.0	1,953.5	1,950.3	1,949.7	1,947.9	1,956.1	1,951.6	1,952.4	1,960.5	1,950.4	1,948.5
Unemployed	117.9	124.3	121.2	122.9	126.5	123.3	118.5	109.8	110.3	108.9	107.8	115.5	104.4
Unemployment rate	5.8	6.0	5.8	5.9	6.1	5.9	5.7	5.3	5.3	5.3	5.2	5.6	5.1
Maine													
Civilian labor force	644.6	643.6	645.6	646.4	648.6	650.4	653.1	658.6	662.2	664.7	660.5	663.8	662.9
Employed	614.9	616.4	617.1	617.8	619.8	621.4	624.7	630.1	635.5	639.5	637.7	641.8	640.3
Unemployed	29.7	27.1	28.5	28.6	28.8	28.9	28.3	28.5	26.7	25.2	22.8	22.0	22.7
Unemployment rate	4.6	4.2	4.4	4.4	4.4	4.4	4.3	4.3	4.0	3.8	3.5	3.3	3.4

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
Maryland													
Civilian labor force	2,737.6	2,734.7	2,733.6	2,736.6	2,750.1	2,754.6	2,760.0	2,774.8	2,788.6	2,806.7	2,805.9	2,813.2	2,810.7
Employed	2,605.8	2,603.6	2,603.2	2,608.9	2,619.8	2,629.1	2,641.6	2,659.7	2,676.1	2,696.7	2,705.0	2,706.9	2,706.6
Unemployed	131.8	131.1	130.3	127.7	130.3	125.5	118.4	115.2	112.5	109.9	100.9	106.3	104.1
Unemployment rate	4.8	4.8	4.8	4.7	4.7	4.6	4.3	4.2	4.0	3.9	3.6	3.8	3.7
Massachusetts													
Civilian labor force	3,279.9	3,272.9	3,280.3	3,274.9	3,274.4	3,270.0	3,274.2	3,272.7	3,264.4	3,259.5	3,264.6	3,265.2	3,264.4
Employed	3,164.1	3,167.4	3,165.6	3,164.9	3,169.0	3,164.6	3,164.9	3,166.5	3,163.1	3,159.2	3,161.7	3,170.8	3,173.4
Unemployed	115.8	105.5	114.7	110.0	105.4	105.5	109.3	106.3	101.3	100.4	102.9	94.5	91.0
Unemployment rate	3.5	3.2	3.5	3.4	3.2	3.2	3.3	3.2	3.1	3.1	3.2	2.9	2.8
Michigan													
Civilian labor force	5,012.7	5,017.5	5,020.9	5,031.9	5,011.5	5,027.0	5,038.8	5,054.1	5,057.3	5,057.8	5,059.6	5,066.2	5,071.4
Employed	4,818.7	4,831.8	4,832.6	4,839.4	4,796.2	4,836.0	4,846.7	4,861.9	4,867.2	4,864.5	4,869.4	4,862.3	4,871.2
Unemployed	194.0	185.6	188.2	192.5	215.3	191.0	192.1	192.2	190.2	193.2	190.2	203.9	200.2
Unemployment rate	3.9	3.7	3.7	3.8	4.3	3.8	3.8	3.8	3.8	3.8	3.8	4.0	3.9
Minnesota													
Civilian labor force	2,658.9	2,664.5	2,674.6	2,679.4	2,683.4	2,689.2	2,695.9	2,704.0	2,712.5	2,715.6	2,716.3	2,711.6	2,705.3
Employed	2,587.0	2,599.5	2,605.7	2,612.4	2,617.6	2,623.9	2,623.5	2,637.4	2,644.1	2,650.7	2,650.7	2,647.8	2,645.3
Unemployed	71.8	65.0	68.9	67.0	65.8	65.2	72.3	66.6	68.3	64.9	65.6	63.9	60.0
Unemployment rate	2.7	2.4	2.6	2.5	2.5	2.4	2.7	2.5	2.5	2.4	2.4	2.4	2.2
Mississippi													
Civilian labor force	1,262.5	1,262.1	1,262.0	1,262.4	1,268.1	1,266.7	1,272.3	1,276.6	1,281.1	1,287.4	1,290.9	1,276.5	1,289.0
Employed	1,190.3	1,192.7	1,194.0	1,195.6	1,200.9	1,199.5	1,204.4	1,210.4	1,214.7	1,219.9	1,223.3	1,221.8	1,223.3
Unemployed	72.2	69.4	68.0	66.8	67.3	67.2	68.0	66.2	66.4	67.5	67.6	54.7	65.7
Unemployment rate	5.7	5.5	5.4	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.2	4.3	5.1
Missouri													
Civilian labor force	2,837.8	2,841.8	2,848.5	2,846.6	2,846.8	2,846.1	2,858.7	2,874.0	2,886.6	2,900.1	2,885.6	2,892.4	2,892.1
Employed	2,705.3	2,712.8	2,721.0	2,722.0	2,724.1	2,729.3	2,747.6	2,766.3	2,784.5	2,806.1	2,811.5	2,815.0	2,809.5
Unemployed	132.5	129.0	127.5	124.6	122.6	116.8	111.1	107.6	102.0	94.0	74.1	77.4	82.6
Unemployment rate	4.7	4.5	4.5	4.4	4.3	4.1	3.9	3.7	3.5	3.2	2.6	2.7	2.9
Montana													
Civilian labor force	464.5	465.8	466.8	467.7	468.4	468.3	469.3	471.3	472.8	472.8	476.2	475.3	473.2
Employed	437.9	439.5	440.3	441.3	442.5	442.5	443.0	444.7	446.2	447.1	451.4	449.5	447.5
Unemployed	26.7	26.3	26.5	26.4	25.9	25.8	26.2	26.6	26.6	25.7	24.8	25.7	25.7
Unemployment rate	5.7	5.7	5.7	5.7	5.5	5.5	5.6	5.6	5.6	5.4	5.2	5.4	5.4
Nebraska													
Civilian labor force	904.6	907.4	908.9	912.3	918.4	919.1	922.5	927.4	932.6	936.9	935.2	932.4	930.9
Employed	878.8	883.2	884.3	887.4	892.2	893.6	897.6	902.7	907.8	913.4	912.9	910.3	909.7
Unemployed	25.9	24.2	24.6	24.8	26.3	25.5	24.9	24.8	24.8	23.5	22.4	22.2	21.2
Unemployment rate	2.9	2.7	2.7	2.7	2.9	2.8	2.7	2.7	2.7	2.5	2.4	2.4	2.3
Nevada													
Civilian labor force	909.9	913.4	916.3	921.2	922.2	923.6	925.5	930.3	932.3	933.5	937.9	940.8	941.3
Employed	865.8	869.7	873.5	877.9	881.3	884.6	889.0	895.6	899.1	903.0	906.5	908.3	906.1
Unemployed	44.1	43.7	42.8	43.3	40.9	39.1	36.5	34.7	33.2	30.5	31.4	32.4	35.2
Unemployment rate	4.8	4.8	4.7	4.7	4.4	4.2	3.9	3.7	3.6	3.3	3.3	3.4	3.7
New Hampshire													
Civilian labor force	648.8	648.1	648.0	647.4	647.8	648.9	652.4	658.3	661.9	666.5	669.6	673.7	673.5
Employed	628.7	628.5	628.7	628.9	630.6	631.5	634.2	639.0	642.9	648.0	651.2	653.8	653.6
Unemployed	20.1	19.6	19.3	18.5	17.3	17.4	18.3	19.3	19.0	18.5	18.3	19.9	19.9
Unemployment rate	3.1	3.0	3.0	2.9	2.7	2.7	2.8	2.9	2.9	2.8	2.7	3.0	3.0

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
New Jersey													
Civilian labor force	4,144.4	4,147.0	4,145.9	4,140.5	4,138.4	4,141.9	4,153.4	4,162.4	4,173.2	4,193.7	4,216.3	4,219.1	4,216.1
Employed	3,948.6	3,950.1	3,950.9	3,947.5	3,948.0	3,953.4	3,963.6	3,975.6	3,987.1	4,009.1	4,031.9	4,047.3	4,027.7
Unemployed	195.8	196.8	195.0	193.1	190.4	188.5	189.7	186.7	186.1	184.6	184.5	171.9	188.4
Unemployment rate	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.1	4.5
New Mexico													
Civilian labor force	827.4	827.9	828.8	830.6	831.1	832.4	833.5	836.0	838.2	839.4	838.6	839.7	838.1
Employed	777.6	778.3	778.0	778.8	779.6	780.1	780.7	782.5	784.3	785.4	786.6	786.4	786.0
Unemployed	49.7	49.6	50.8	51.8	51.5	52.3	52.7	53.5	53.9	53.9	52.0	53.3	52.1
Unemployment rate	6.0	6.0	6.1	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.2	6.3	6.2
New York													
Civilian labor force	8,878.0	8,868.2	8,871.5	8,862.3	8,850.1	8,854.9	8,870.5	8,868.0	8,873.5	8,874.4	8,857.0	8,878.1	8,858.2
Employed	8,361.1	8,363.5	8,373.8	8,375.9	8,365.8	8,374.6	8,383.5	8,385.5	8,389.3	8,391.8	8,394.7	8,403.6	8,411.1
Unemployed	516.9	504.8	497.7	486.4	484.3	480.3	487.0	482.4	484.2	482.6	462.3	474.6	447.1
Unemployment rate	5.8	5.7	5.6	5.5	5.5	5.4	5.5	5.4	5.5	5.4	5.2	5.3	5.0
North Carolina													
Civilian labor force	3,782.6	3,779.7	3,773.3	3,767.2	3,784.8	3,791.7	3,797.8	3,812.6	3,820.0	3,833.8	3,858.3	3,846.4	3,851.2
Employed	3,643.2	3,644.5	3,643.2	3,639.7	3,658.6	3,659.1	3,669.0	3,683.5	3,696.1	3,713.9	3,740.3	3,727.4	3,729.7
Unemployed	139.4	135.3	130.1	127.6	126.2	132.6	128.9	129.1	124.0	119.9	118.0	119.0	121.5
Unemployment rate	3.7	3.6	3.4	3.4	3.3	3.5	3.4	3.4	3.2	3.1	3.1	3.1	3.2
North Dakota													
Civilian labor force	348.7	347.7	347.8	347.5	346.8	346.5	346.1	345.6	345.4	345.1	346.5	345.9	344.8
Employed	336.2	336.4	336.3	335.6	335.3	334.7	335.0	335.2	335.5	336.0	337.3	336.3	334.7
Unemployed	12.5	11.3	11.5	11.9	11.5	11.8	11.0	10.4	9.9	9.1	9.2	9.7	10.0
Unemployment rate	3.6	3.2	3.3	3.4	3.3	3.4	3.2	3.0	2.9	2.6	2.6	2.8	2.9
Ohio													
Civilian labor force	5,626.7	5,625.0	5,641.3	5,649.8	5,665.4	5,676.3	5,699.3	5,728.1	5,754.6	5,791.1	5,802.5	5,820.1	5,800.9
Employed	5,388.6	5,395.6	5,399.2	5,402.2	5,392.1	5,429.2	5,455.9	5,487.2	5,520.8	5,561.7	5,565.8	5,574.6	5,576.7
Unemployed	238.0	229.4	242.1	247.6	273.3	247.1	243.4	240.9	233.8	229.4	236.7	245.5	224.3
Unemployment rate	4.2	4.1	4.3	4.4	4.8	4.4	4.3	4.2	4.1	4.0	4.1	4.2	3.9
Oklahoma													
Civilian labor force	1,614.9	1,619.2	1,620.9	1,625.0	1,633.2	1,630.2	1,634.6	1,639.0	1,642.6	1,647.9	1,644.9	1,646.9	1,647.1
Employed	1,542.6	1,545.7	1,547.9	1,549.3	1,551.5	1,555.4	1,559.7	1,564.1	1,569.1	1,574.7	1,580.5	1,579.2	1,577.3
Unemployed	72.3	73.5	73.0	75.8	81.7	74.9	74.9	74.9	73.5	73.2	64.3	67.8	69.8
Unemployment rate	4.5	4.5	4.5	4.7	5.0	4.6	4.6	4.6	4.5	4.4	3.9	4.1	4.2
Oregon													
Civilian labor force	1,752.8	1,752.0	1,752.6	1,752.7	1,756.8	1,759.7	1,768.6	1,777.5	1,778.0	1,775.7	1,775.3	1,790.4	1,786.5
Employed	1,656.4	1,654.9	1,654.6	1,653.1	1,658.3	1,659.7	1,667.5	1,676.8	1,679.4	1,677.5	1,676.0	1,687.7	1,686.7
Unemployed	96.4	97.0	98.0	99.6	98.5	99.9	101.2	100.7	98.7	98.2	99.3	102.7	99.8
Unemployment rate	5.5	5.5	5.6	5.7	5.6	5.7	5.7	5.7	5.5	5.5	5.6	5.7	5.6
Pennsylvania													
Civilian labor force	5,945.4	5,937.5	5,936.9	5,927.4	5,931.5	5,930.8	5,932.1	5,926.1	5,928.4	5,930.2	5,945.7	5,986.5	6,003.9
Employed	5,660.2	5,663.9	5,661.1	5,652.5	5,658.1	5,657.8	5,659.6	5,657.0	5,662.8	5,668.0	5,686.5	5,725.6	5,738.2
Unemployed	285.2	273.7	275.8	274.9	273.5	273.0	272.6	269.1	265.7	262.2	259.2	260.9	265.7
Unemployment rate	4.8	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.4	4.4
Rhode Island													
Civilian labor force	498.3	497.3	496.4	495.7	496.8	497.1	498.7	499.2	499.2	500.7	499.0	497.7	502.6
Employed	472.0	471.6	471.4	471.5	472.9	472.8	474.9	475.8	477.1	480.1	476.6	478.3	487.6
Unemployed	26.4	25.7	24.9	24.2	23.9	24.3	23.9	23.4	22.1	20.6	22.4	19.4	15.0
Unemployment rate	5.3	5.2	5.0	4.9	4.8	4.9	4.8	4.7	4.4	4.1	4.5	3.9	3.0

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	1998										1999		
	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.P
South Carolina													
Civilian labor force	1,946.9	1,952.7	1,955.7	1,959.1	1,967.3	1,965.0	1,962.8	1,966.7	1,967.2	1,966.9	1,973.4	1,981.7	1,968.7
Employed	1,880.2	1,881.7	1,881.9	1,884.8	1,890.1	1,887.9	1,887.3	1,889.1	1,889.4	1,890.2	1,900.3	1,899.0	1,895.1
Unemployed	66.8	71.0	73.9	74.3	77.2	77.1	75.5	77.6	77.8	76.7	73.1	82.7	73.6
Unemployment rate	3.4	3.6	3.8	3.8	3.9	3.9	3.8	3.9	4.0	3.9	3.7	4.2	3.7
South Dakota													
Civilian labor force	396.3	396.7	397.7	398.4	398.5	398.4	399.3	399.7	400.1	399.5	400.0	401.1	400.7
Employed	384.2	385.1	386.2	386.8	387.1	387.5	388.3	388.8	389.1	389.3	389.7	390.9	390.7
Unemployed	12.1	11.6	11.5	11.6	11.5	11.0	10.9	10.9	11.1	10.2	10.3	10.1	10.0
Unemployment rate	3.0	2.9	2.9	2.9	2.9	2.8	2.7	2.7	2.8	2.6	2.6	2.5	2.5
Tennessee													
Civilian labor force	2,731.1	2,739.9	2,748.4	2,757.5	2,767.5	2,773.4	2,779.0	2,788.6	2,792.2	2,799.6	2,813.8	2,815.1	2,804.1
Employed	2,610.3	2,622.6	2,633.4	2,646.4	2,657.5	2,660.5	2,664.6	2,674.1	2,678.6	2,683.9	2,694.2	2,692.2	2,884.0
Unemployed	120.9	117.3	115.0	111.0	110.0	112.9	114.4	114.5	113.6	115.7	119.4	122.8	120.1
Unemployment rate	4.4	4.3	4.2	4.0	4.0	4.1	4.1	4.1	4.1	4.1	4.2	4.4	4.3
Texas													
Civilian labor force	10,022.1	10,052.7	10,078.5	10,122.2	10,143.0	10,166.3	10,188.5	10,202.4	10,223.3	10,240.3	10,284.5	10,299.4	10,292.1
Employed	9,547.8	9,577.3	9,601.8	9,624.6	9,650.3	9,673.1	9,692.6	9,715.0	9,733.6	9,749.9	9,798.8	9,820.8	9,831.9
Unemployed	474.3	475.3	476.6	497.6	492.8	493.3	495.9	487.4	489.7	490.3	485.6	478.6	460.2
Unemployment rate	4.7	4.7	4.7	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.7	4.6	4.5
Utah													
Civilian labor force	1,050.2	1,052.4	1,053.7	1,057.0	1,062.1	1,064.7	1,069.1	1,075.2	1,081.0	1,088.1	1,094.5	1,098.5	1,106.0
Employed	1,009.1	1,010.3	1,012.4	1,015.5	1,019.4	1,023.8	1,029.9	1,036.7	1,044.2	1,052.5	1,057.7	1,063.4	1,068.7
Unemployed	41.1	42.1	41.3	41.5	42.7	40.9	39.2	38.4	36.8	35.6	36.7	35.0	37.3
Unemployment rate	3.9	4.0	3.9	3.9	4.0	3.8	3.7	3.6	3.4	3.3	3.4	3.2	3.4
Vermont													
Civilian labor force	328.2	327.6	327.9	328.6	330.0	331.1	331.4	332.8	334.3	335.8	336.1	338.7	339.5
Employed	316.5	317.0	316.6	317.6	318.9	320.0	320.4	321.7	324.0	325.8	325.6	328.0	329.0
Unemployed	11.7	10.6	11.1	11.1	11.1	11.1	11.0	11.0	10.3	10.0	10.5	10.7	10.5
Unemployment rate	3.6	3.2	3.4	3.4	3.4	3.3	3.3	3.3	3.1	3.0	3.1	3.2	3.1
Virginia													
Civilian labor force	3,433.7	3,444.8	3,460.1	3,472.9	3,481.0	3,499.9	3,521.3	3,540.5	3,560.3	3,585.9	3,589.3	3,587.5	3,580.1
Employed	3,332.5	3,347.1	3,360.3	3,372.7	3,383.8	3,400.2	3,419.8	3,438.4	3,456.7	3,480.2	3,494.6	3,493.6	3,481.1
Unemployed	101.2	97.7	99.8	100.2	97.2	99.8	101.4	102.1	103.6	105.6	94.7	93.9	99.0
Unemployment rate	2.9	2.8	2.9	2.9	2.8	2.9	2.9	2.9	2.9	2.9	2.6	2.6	2.8
Washington													
Civilian labor force	3,017.8	3,017.7	3,028.6	3,029.2	3,038.7	3,039.9	3,050.7	3,064.5	3,068.0	3,078.2	3,081.1	3,089.4	3,080.6
Employed	2,879.0	2,877.7	2,885.7	2,884.7	2,892.7	2,893.3	2,899.4	2,914.7	2,918.8	2,927.6	2,936.6	2,937.1	2,939.3
Unemployed	138.8	140.0	142.9	144.6	146.0	146.5	151.3	149.8	149.2	150.6	144.5	152.3	141.3
Unemployment rate	4.6	4.6	4.7	4.8	4.8	4.8	5.0	4.9	4.9	4.9	4.7	4.9	4.6
West Virginia													
Civilian labor force	799.6	796.8	804.0	799.2	800.8	799.2	799.5	802.3	802.1	803.8	812.4	810.2	812.8
Employed	742.3	742.0	749.2	743.8	746.2	745.4	746.8	750.7	752.5	755.5	760.1	763.8	758.6
Unemployed	57.3	54.8	54.8	55.4	54.6	53.7	52.7	51.7	49.6	48.4	52.3	46.4	54.2
Unemployment rate	7.2	6.9	6.8	6.9	6.8	6.7	6.6	6.4	6.2	6.0	6.4	5.7	6.7
Wisconsin													
Civilian labor force	2,930.7	2,932.4	2,939.6	2,945.9	2,955.5	2,952.9	2,980.0	2,969.4	2,979.3	2,986.2	2,997.3	2,985.2	2,976.0
Employed	2,837.1	2,846.2	2,846.0	2,848.1	2,848.7	2,850.8	2,856.0	2,862.6	2,872.0	2,879.9	2,891.3	2,884.8	2,880.2
Unemployed	93.6	86.2	93.7	97.8	106.8	102.1	104.1	106.8	107.4	106.3	105.9	100.4	95.8
Unemployment rate	3.2	2.9	3.2	3.3	3.6	3.5	3.5	3.6	3.6	3.6	3.5	3.4	3.2
Wyoming													
Civilian labor force	256.2	256.9	258.1	258.5	259.0	259.0	259.1	259.8	259.9	259.8	260.5	260.4	260.4
Employed	243.7	244.7	245.6	245.7	246.6	246.6	246.7	247.5	247.6	247.9	248.4	248.4	249.1
Unemployed	12.5	12.2	12.5	12.7	12.4	12.4	12.4	12.4	12.3	11.7	12.1	12.0	11.3
Unemployment rate	4.9	4.8	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.5	4.6	4.6	4.3

P = preliminary.

revised when new benchmark and population information becomes available.

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

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

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

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	February		March		February		March		February		March	
	1998	1999	1998	1999P	1998	1999	1998	1999P	1998	1999	1998	1999P
Alabama	2,137.2	2,148.2	2,132.4	2,158.5	97.7	90.4	82.3	83.4	4.6	4.2	3.9	3.9
Anniston	54.4	55.1	54.3	55.0	2.6	2.5	2.1	2.3	4.7	4.6	3.9	4.2
Birmingham	466.8	473.4	467.7	476.7	13.6	12.7	11.7	12.0	2.9	2.7	2.5	2.5
Decatur	72.7	72.4	72.5	73.0	3.2	3.0	2.7	2.7	4.4	4.1	3.8	3.7
Dothan	65.7	65.7	65.5	66.3	2.6	2.5	2.1	2.2	4.0	3.8	3.2	3.4
Florence	69.6	68.6	68.3	68.1	6.1	3.9	4.8	3.4	8.8	5.7	7.0	5.0
Gadsden	49.2	50.4	49.4	50.4	2.3	3.4	1.8	3.3	4.7	6.7	3.7	6.6
Huntsville	169.0	171.1	169.6	171.6	5.3	5.5	4.6	4.9	3.1	3.2	2.7	2.9
Mobile	265.2	272.0	266.6	275.1	10.7	10.4	9.0	10.0	4.0	3.8	3.4	3.6
Montgomery	160.6	164.0	160.3	165.3	5.7	4.9	4.8	4.6	3.6	3.0	3.0	2.8
Tuscaloosa	83.0	84.6	83.0	85.8	2.4	2.1	2.0	2.0	2.9	2.5	2.4	2.4
Alaska	310.2	313.0	310.4	312.4	23.9	25.3	20.7	22.4	7.7	8.1	6.7	7.2
Anchorage	139.1	141.6	139.6	141.4	7.1	7.6	6.4	6.8	5.1	5.3	4.6	4.8
Arizona	2,192.2	2,351.4	2,207.3	2,359.6	84.0	85.8	82.9	87.3	3.8	3.6	3.8	3.7
Flagstaff	58.9	60.2	59.1	62.5	5.1	3.0	4.6	4.7	8.7	5.0	7.8	7.5
Phoenix-Mesa	1,455.4	1,568.2	1,465.1	1,571.2	37.4	44.1	37.0	44.7	2.6	2.8	2.5	2.8
Tucson	360.1	389.2	362.2	389.3	10.5	9.9	10.3	9.8	2.9	2.5	2.8	2.5
Yuma	56.4	60.9	56.9	61.5	10.2	9.1	10.3	8.5	18.1	14.9	18.2	13.9
Arkansas	1,183.1	1,236.1	1,195.4	1,241.5	76.6	68.0	73.7	57.7	6.5	5.5	6.2	4.6
Fayetteville-Springdale-Rogers	133.8	141.8	135.9	143.0	5.6	4.2	5.5	3.6	4.2	3.0	4.1	2.5
Fort Smith	93.1	96.5	93.7	96.8	5.7	4.8	5.5	4.1	6.2	5.0	5.9	4.2
Jonesboro	39.7	42.1	40.3	42.3	2.0	1.7	1.9	1.4	5.0	4.0	4.8	3.3
Little Rock-North Little Rock	288.1	300.8	291.0	302.5	13.0	10.5	12.8	9.1	4.5	3.5	4.4	3.0
Pine Bluff	35.2	36.8	35.4	36.8	3.2	3.0	3.1	2.6	9.1	8.3	8.8	7.1
California	16,154.1	16,383.1	16,183.6	16,455.9	1,049.4	1,002.4	979.7	962.2	6.5	6.1	6.1	5.8
Bakersfield	276.5	277.3	274.7	278.2	38.9	38.8	39.6	40.9	14.1	14.0	14.4	14.7
Chico-Paradise	85.8	88.1	85.0	87.8	9.0	7.5	8.0	7.2	10.5	8.5	9.4	8.2
Fresno	417.3	423.2	413.2	422.7	71.6	69.6	69.1	71.4	17.2	16.4	16.7	16.9
Los Angeles-Long Beach	4,596.3	4,605.8	4,616.1	4,630.5	296.2	304.4	289.0	288.9	6.4	6.6	6.3	6.2
Merced	85.0	86.0	84.2	86.6	17.2	15.5	15.7	14.8	20.2	18.0	18.6	17.1
Modesto	198.6	200.7	197.7	202.2	30.3	26.5	27.5	26.3	15.2	13.2	13.9	13.0
Oakland	1,179.8	1,205.5	1,181.3	1,209.3	49.3	44.4	44.8	41.9	4.2	3.7	3.8	3.5
Orange County	1,422.0	1,457.1	1,422.6	1,468.8	41.7	40.4	38.7	38.7	2.9	2.8	2.7	2.6
Redding	72.7	71.1	72.3	71.4	8.7	7.1	7.6	6.9	12.0	10.0	10.5	9.7
Riverside-San Bernardino	1,369.3	1,416.7	1,373.3	1,420.1	86.8	77.0	78.8	72.5	6.3	5.4	5.7	5.1
Sacramento	752.1	765.5	754.4	767.6	42.3	35.7	37.5	33.8	5.6	4.7	5.0	4.4
Salinas	185.5	186.3	183.6	187.3	33.2	30.6	27.4	27.2	17.9	16.4	14.9	14.5
San Diego	1,305.3	1,334.3	1,304.2	1,335.1	47.4	45.0	43.9	42.2	3.6	3.4	3.4	3.2
San Francisco	932.6	951.9	935.6	952.9	28.7	25.4	27.1	24.1	3.1	2.7	2.9	2.5
San Jose	958.7	964.0	959.8	968.8	28.7	34.2	26.6	32.6	3.0	3.6	2.8	3.4
San Luis Obispo-Atascadero-Paso Robles	108.9	108.1	107.3	108.3	5.0	4.1	4.4	3.9	4.5	3.8	4.1	3.6
Santa Barbara-Santa Maria-Lompoc	192.9	194.0	195.0	195.9	10.8	10.0	10.2	9.4	5.6	5.2	5.2	4.8
Santa Cruz-Watsonville	140.5	141.2	142.6	142.6	14.9	13.8	13.8	13.1	10.6	9.8	9.8	9.2
Santa Rosa	242.4	250.8	244.5	253.1	10.2	8.1	8.5	7.7	4.2	3.2	3.5	3.0
Stockton-Lodi	245.2	246.7	247.8	249.6	32.3	28.4	28.8	26.6	13.2	11.5	11.6	10.7
Vallejo-Fairfield-Napa	237.8	246.5	239.3	247.1	15.1	12.8	13.0	12.3	6.3	5.2	5.4	5.0
Ventura	382.8	391.8	384.5	394.9	21.5	19.6	18.5	17.5	5.6	5.0	4.8	4.4
Visalia-Tulare-Porterville	161.3	162.9	162.0	164.7	28.8	32.2	28.9	34.4	17.9	19.8	17.9	20.9
Yolo	87.1	87.1	86.8	87.8	6.8	5.8	5.8	5.3	7.8	6.6	6.7	6.1
Yuba City	56.6	56.8	56.5	57.1	11.1	9.7	10.5	9.6	19.7	17.0	18.5	16.8
Colorado	2,184.4	2,221.7	2,198.5	2,238.2	86.3	82.7	88.7	62.9	4.0	2.8	4.0	2.8
Boulder-Longmont	168.3	171.1	169.4	173.0	5.3	4.1	5.5	4.2	3.2	2.4	3.3	2.4
Colorado Springs	247.9	250.9	248.0	252.1	10.8	7.8	11.6	7.9	4.4	3.1	4.7	3.1
Denver	1,093.5	1,117.1	1,101.6	1,124.2	35.5	25.7	36.2	25.8	3.2	2.3	3.3	2.3
Fort Collins-Loveland	135.3	140.2	135.2	140.7	5.2	4.3	5.4	4.3	3.8	3.1	4.0	3.0
Grand Junction	56.4	57.8	57.2	58.1	3.1	2.4	3.1	2.2	5.5	4.1	5.4	3.9
Greeley	83.1	81.4	83.2	82.4	3.6	2.8	3.8	2.8	4.4	3.5	4.5	3.4
Pueblo	61.3	60.2	61.8	60.4	5.0	2.9	5.1	2.9	8.2	4.8	8.3	4.8
Connecticut	1,679.8	1,698.6	1,694.9	1,708.7	70.7	62.5	62.2	56.0	4.2	3.7	3.7	3.3
Bridgeport	216.0	217.1	218.5	218.4	10.5	9.7	9.3	8.8	4.9	4.5	4.3	4.1
Danbury	107.0	108.4	108.5	109.2	3.0	3.1	2.7	2.8	2.8	2.9	2.5	2.5
Hartford	572.9	580.1	578.8	584.6	25.2	22.2	21.9	19.9	4.4	3.8	3.8	3.4
New Haven-Meriden	267.1	272.2	267.3	272.3	10.6	9.2	9.4	8.2	4.0	3.4	3.5	3.0
New London-Norwich	149.2	150.6	149.9	151.0	7.3	5.8	6.4	4.9	4.9	3.8	4.3	3.2
Stamford-Norwalk	188.3	190.0	190.5	191.8	5.2	4.8	4.6	4.4	2.7	2.6	2.4	2.3
Waterbury	113.6	114.3	114.5	114.7	5.8	5.3	5.2	4.8	5.1	4.6	4.6	4.2
Delaware	386.8	396.9	388.4	398.7	18.2	14.9	16.5	13.4	4.7	3.8	4.2	3.4
Dover	67.2	69.2	67.8	69.8	3.3	2.8	3.3	2.7	4.9	4.0	4.9	3.9
Wilmington-Newark	293.6	299.3	293.8	300.0	14.9	10.7	12.9	9.5	5.1	3.6	4.4	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 metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	February		March		February		March		February		March	
	1998	1999	1998	1999P	1998	1999	1998	1999P	1998	1999	1998	1999P
District of Columbia	263.3	267.0	265.9	267.5	25.6	20.7	24.7	19.0	9.7	7.8	9.3	7.1
Washington	2,500.7	2,598.8	2,510.6	2,610.1	93.2	75.1	82.1	67.6	3.7	2.9	3.3	2.6
Florida	7,040.5	7,332.9	7,085.8	7,361.5	294.8	295.8	294.0	285.5	4.2	4.0	4.1	3.9
Daytona Beach	187.3	193.0	186.4	193.1	6.6	6.8	6.5	6.7	3.5	3.5	3.5	3.4
Fort Lauderdale	739.3	761.9	745.7	765.2	33.9	33.6	34.8	32.9	4.6	4.4	4.7	4.3
Fort Myers-Cape Coral	171.7	178.1	173.2	178.3	5.1	4.7	5.1	4.5	3.0	2.6	2.9	2.5
Fort Pierce-Port St. Lucie	118.3	120.9	118.7	120.6	8.2	7.8	7.7	7.2	6.9	6.5	6.5	6.0
Fort Walton Beach	76.8	79.3	77.9	81.1	3.0	2.9	2.7	2.7	3.9	3.6	3.5	3.3
Gainesville	100.3	103.8	100.8	104.3	2.6	2.4	2.6	2.4	2.6	2.3	2.6	2.3
Jacksonville	516.5	538.1	520.6	541.2	16.7	16.4	16.6	16.9	3.2	3.1	3.2	3.1
Lakeland-Winter Haven	193.7	199.3	193.9	199.3	8.7	8.5	8.6	8.2	4.5	4.3	4.5	4.1
Melbourne-Titusville-Palm Bay	197.9	207.6	199.3	207.8	7.9	9.2	8.4	8.6	4.0	4.4	4.2	4.1
Miami	1,014.7	1,036.4	1,025.6	1,039.4	63.5	65.6	65.0	64.1	6.3	6.3	6.3	6.2
Naples	91.0	96.8	91.5	98.2	2.9	2.7	2.7	2.5	3.2	2.8	3.0	2.6
Ocala	93.8	98.0	94.0	97.9	3.9	3.9	3.8	3.6	4.2	4.0	4.0	3.7
Orlando	814.5	856.9	820.6	863.4	24.0	24.7	23.9	23.8	2.9	2.9	2.9	2.8
Panama City	62.8	64.9	65.1	67.0	4.7	4.9	4.5	4.1	7.5	7.5	6.9	6.1
Pensacola	165.9	173.2	167.5	174.4	6.9	6.5	6.7	6.2	4.2	3.7	4.0	3.6
Punta Gorda	44.6	45.6	44.8	45.9	1.8	1.7	1.6	1.6	4.1	3.7	3.6	3.5
Sarasota-Bradenton	252.6	264.7	252.7	265.1	6.6	6.1	6.1	5.5	2.6	2.3	2.4	2.1
Tallahassee	142.1	146.4	143.0	146.8	4.4	4.1	4.3	4.0	3.1	2.8	3.0	2.7
Tampa-St. Petersburg-Clearwater	1,144.7	1,208.3	1,147.2	1,209.1	36.3	34.8	35.8	33.5	3.2	2.9	3.1	2.8
West Palm Beach-Boca Raton	486.2	522.2	490.7	523.3	24.4	25.7	24.5	24.4	5.0	4.9	5.0	4.7
Georgia	3,986.3	4,024.9	4,006.2	4,038.5	177.5	166.7	174.2	168.3	4.5	4.1	4.3	4.2
Albany	58.0	57.4	58.5	57.0	4.1	5.2	4.8	5.0	7.1	9.1	8.2	8.8
Athens	75.4	72.5	76.0	73.0	2.4	1.9	2.5	2.2	3.2	2.7	3.2	3.0
Atlanta	2,122.9	2,115.1	2,140.2	2,117.1	72.6	68.6	72.7	70.8	3.4	3.2	3.4	3.3
Augusta-Aiken	205.6	202.5	206.2	202.2	11.9	10.2	10.7	9.6	5.8	5.0	5.2	4.8
Columbus	125.1	125.4	125.9	125.0	5.7	6.5	5.7	6.1	4.5	5.2	4.5	4.9
Macon	153.2	150.0	153.9	149.5	8.5	7.1	8.3	7.4	5.5	4.7	5.4	5.0
Savannah	134.8	132.8	134.5	132.2	5.8	5.6	5.7	5.4	4.3	4.2	4.3	4.1
Hawaii	591.5	596.0	591.9	597.2	36.4	34.6	36.0	33.8	6.2	5.8	6.1	5.7
Honolulu	426.4	428.7	426.2	429.4	22.1	21.8	21.5	21.3	5.2	5.1	5.0	4.9
Idaho	636.2	654.8	639.3	656.6	42.0	39.1	40.1	38.0	6.6	6.0	6.3	5.8
Boise City	219.6	227.7	220.4	227.9	9.4	8.9	8.7	8.2	4.3	3.9	4.0	3.6
Pocatello	40.1	40.7	40.2	40.4	2.4	2.3	2.3	2.0	6.0	5.5	5.6	5.0
Illinois	6,150.9	6,220.8	6,165.7	6,248.3	312.1	280.0	297.0	250.1	5.1	4.5	4.8	4.0
Bloomington-Normal	84.1	86.0	83.8	86.2	2.5	2.1	2.4	1.8	3.0	2.7	2.9	2.1
Champaign-Urbana	93.5	94.1	94.1	94.7	2.9	2.7	3.1	2.3	3.1	2.9	3.3	2.5
Chicago	4,105.3	4,169.6	4,115.9	4,191.4	198.2	174.3	186.4	158.7	4.8	4.2	4.5	3.8
Davenport-Moline-Rock Island	184.9	185.9	185.2	185.2	7.6	9.6	7.2	8.1	4.1	5.2	3.9	4.4
Decatur	57.0	56.3	57.1	56.4	3.6	2.6	3.4	2.3	6.3	4.7	5.9	4.1
Kankakee	51.8	52.2	51.8	52.1	3.4	3.3	3.4	2.9	6.6	6.3	6.5	5.5
Peoria-Pekin	181.8	184.0	182.3	184.6	8.0	7.5	7.6	6.5	4.4	4.1	4.2	3.5
Rockford	194.1	193.9	194.5	194.9	9.9	9.5	9.2	8.3	5.1	4.9	4.8	4.3
Springfield	105.7	106.1	105.7	106.3	4.8	4.1	4.7	3.7	4.6	3.9	4.5	3.5
Indiana	3,033.0	3,093.6	3,050.0	3,104.9	114.2	101.9	109.8	91.1	3.8	3.3	3.6	2.9
Bloomington	62.0	61.6	61.5	61.2	1.6	1.6	1.5	1.4	2.6	2.7	2.5	2.4
Elkhart-Goshen	92.5	96.5	93.4	97.3	2.8	2.1	2.6	1.8	3.0	2.1	2.7	1.8
Evansville-Henderson	153.5	158.4	154.1	158.7	6.5	5.5	6.0	4.8	4.2	3.5	3.9	3.0
Fort Wayne	260.4	264.7	261.8	265.2	8.3	8.6	8.1	7.4	3.2	3.2	3.1	2.8
Gary	298.2	303.4	298.7	303.3	13.8	12.6	13.9	12.0	4.6	4.2	4.7	3.9
Indianapolis	817.3	839.6	823.9	842.7	23.6	21.5	22.8	19.2	2.9	2.6	2.8	2.3
Kokomo	50.1	50.6	50.2	50.8	1.8	1.5	1.7	1.4	3.5	3.0	3.4	2.7
Lafayette	89.8	91.4	89.6	91.0	2.4	2.2	2.4	2.0	2.7	2.5	2.7	2.2
Muncie	62.5	62.6	62.8	62.6	3.0	2.5	3.0	2.2	4.8	4.1	4.7	3.6
South Bend	134.1	136.6	134.5	136.9	4.8	4.3	4.5	3.8	3.6	3.1	3.3	2.7
Terre Haute	69.7	70.2	69.8	69.9	4.3	3.5	4.2	3.1	6.2	5.0	6.0	4.4
Iowa	1,555.4	1,572.0	1,559.8	1,570.9	55.2	51.7	55.9	51.3	3.6	3.3	3.6	3.3
Cedar Rapids	110.4	112.2	111.3	111.0	2.7	2.5	2.7	2.5	2.5	2.3	2.5	2.3
Des Moines	253.3	258.5	254.1	256.9	6.6	5.9	7.0	5.9	2.6	2.3	2.7	2.3
Dubuque	48.8	49.0	48.8	48.7	2.1	1.9	2.1	1.8	4.3	3.9	4.3	3.6
Iowa City	65.7	65.6	67.0	65.9	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3
Sioux City	64.7	65.8	64.6	65.5	2.3	2.1	2.2	2.1	3.5	3.2	3.5	3.1
Waterloo-Cedar Falls	70.0	70.1	70.2	69.5	2.8	2.8	2.8	2.9	4.0	4.0	3.9	4.1

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	February		March		February		March		February		March	
	1998	1999	1998	1999P	1998	1999	1998	1999P	1998	1999	1998	1999P
Kansas	1,377.6	1,433.2	1,385.4	1,438.1	57.4	52.9	56.1	51.3	4.2	3.7	4.0	3.6
Lawrence	53.4	55.9	54.3	56.5	2.3	2.2	2.4	2.1	4.4	3.9	4.4	3.7
Topeka	89.3	91.7	89.2	91.3	4.4	3.6	4.5	3.3	5.0	4.0	5.1	3.7
Wichita	282.5	294.5	282.7	295.7	9.5	10.2	8.7	10.0	3.4	3.5	3.1	3.4
Kentucky	1,884.3	1,909.0	1,893.3	1,920.5	103.8	92.5	95.2	86.2	5.5	4.8	5.0	4.5
Lexington	247.4	252.0	248.6	254.7	6.2	5.7	5.8	5.6	2.5	2.3	2.3	2.2
Louisville	536.2	546.9	539.6	551.2	20.5	16.6	19.1	15.9	3.8	3.0	3.5	2.9
Owensboro	48.0	48.8	48.3	49.3	2.4	2.3	2.3	2.3	5.0	4.7	4.7	4.6
Louisiana	2,010.4	2,031.5	2,032.5	2,039.7	107.5	109.0	111.1	97.3	5.3	5.4	5.5	4.8
Alexandria	58.0	59.0	58.6	59.1	2.9	2.9	3.0	2.4	5.0	4.8	5.2	4.1
Baton Rouge	290.0	299.7	293.1	301.2	12.6	11.9	12.7	10.4	4.3	4.0	4.3	3.5
Houma	92.4	94.7	93.3	94.9	2.8	4.4	3.0	4.1	3.0	4.6	3.2	4.3
Lafayette	176.0	179.4	178.4	180.3	9.5	10.5	9.8	10.1	5.4	5.9	5.5	5.6
Lake Charles	90.6	91.2	91.5	91.1	4.3	4.4	4.5	3.9	4.8	4.8	5.0	4.3
Monroe	69.5	70.1	70.1	70.3	3.7	3.0	3.7	2.6	5.4	4.3	5.3	3.8
New Orleans	607.5	611.0	613.7	612.3	27.1	26.3	28.7	23.5	4.5	4.3	4.7	3.8
Shreveport-Bossier City	182.5	184.7	185.3	186.4	10.8	9.6	11.3	8.3	5.9	5.2	6.1	4.5
Maine	633.9	651.5	638.7	656.6	38.3	30.2	36.3	29.1	6.0	4.6	5.7	4.4
Bangor	49.2	51.9	49.6	51.1	2.2	1.6	2.0	1.5	4.4	3.1	4.1	3.0
Lewiston-Auburn	50.9	53.0	50.8	53.0	3.2	2.3	2.9	2.1	6.2	4.3	5.7	4.0
Portland	128.4	135.0	129.4	136.2	4.2	2.9	3.8	2.8	3.2	2.2	3.0	2.0
Maryland	2,708.6	2,777.7	2,709.7	2,782.5	147.1	119.0	131.7	103.8	5.4	4.3	4.9	3.7
Baltimore	1,279.0	1,310.0	1,279.2	1,310.5	72.9	60.5	68.0	53.0	5.7	4.6	5.3	4.0
Cumberland	44.8	46.0	44.7	46.2	4.4	4.2	3.9	3.9	9.7	9.1	8.8	8.4
Hagerstown	68.5	70.4	68.9	70.8	4.1	3.6	3.7	3.1	6.0	5.1	5.4	4.4
Massachusetts	3,248.8	3,234.0	3,263.4	3,246.7	129.1	107.6	133.2	108.2	4.0	3.3	4.1	3.3
Barnstable-Yarmouth	67.0	68.4	67.5	68.7	4.8	3.8	4.7	3.6	7.1	5.5	7.0	5.2
Boston	1,807.6	1,798.7	1,815.4	1,804.9	56.8	47.1	58.7	47.9	3.1	2.6	3.2	2.7
Brockton	129.6	131.8	129.7	132.0	5.6	4.6	5.9	4.6	4.3	3.5	4.6	3.5
Fitchburg-Leominster	68.6	68.4	69.4	69.1	3.1	2.8	3.2	2.9	4.5	4.1	4.6	4.1
Lawrence	197.0	196.9	198.2	198.4	9.2	8.9	9.4	9.0	4.7	4.5	4.8	4.6
Lowell	163.7	167.0	164.7	167.3	6.0	5.4	6.3	5.6	3.7	3.3	3.8	3.3
New Bedford	82.2	82.5	82.6	82.6	7.2	5.7	7.2	5.5	8.7	6.9	8.7	6.7
Pittsfield	39.6	39.2	39.6	39.2	2.2	1.9	2.3	2.0	5.6	4.8	5.8	5.0
Springfield	283.5	279.8	285.4	281.3	13.2	10.8	13.6	10.7	4.6	3.9	4.8	3.8
Worcester	253.1	249.9	254.0	251.9	9.4	8.2	9.7	8.2	3.7	3.3	3.8	3.3
Michigan	4,965.0	5,017.3	4,979.5	5,037.4	226.5	232.8	218.5	224.6	4.6	4.6	4.4	4.5
Ann Arbor	294.7	298.2	296.2	299.7	7.4	8.5	7.2	7.7	2.5	2.8	2.4	2.6
Benton Harbor	81.1	81.3	81.5	81.7	4.2	3.9	4.2	3.8	5.2	4.8	5.2	4.7
Detroit	2,230.1	2,251.9	2,237.1	2,259.4	86.8	93.0	82.9	86.8	3.9	4.1	3.7	3.8
Flint	199.4	198.2	199.8	198.8	11.3	11.2	10.7	10.8	5.6	5.7	5.4	5.4
Grand Rapids-Muskegon-Holland	585.2	597.2	586.3	601.1	20.4	22.1	20.1	21.3	3.5	3.7	3.4	3.5
Jackson	75.2	76.1	75.7	76.5	3.5	3.3	3.2	3.3	4.7	4.4	4.2	4.3
Kalamazoo-Battle Creek	229.6	230.2	230.8	231.6	9.3	9.4	9.0	9.4	4.0	4.1	3.9	4.0
Lansing-East Lansing	245.2	243.1	244.4	241.2	10.4	7.5	8.9	7.3	4.2	3.1	3.7	3.0
Saginaw-Bay City-Midland	196.7	198.4	197.1	199.5	10.6	10.5	10.3	10.8	5.4	5.3	5.2	5.4
Minnesota	2,616.0	2,673.2	2,634.5	2,680.5	82.9	75.6	82.6	70.6	3.2	2.8	3.1	2.6
Duluth-Superior	121.9	123.5	123.0	123.2	5.9	5.4	6.1	5.1	4.8	4.4	5.0	4.1
Minneapolis-St. Paul	1,633.4	1,678.6	1,649.3	1,689.0	36.9	33.6	36.5	31.9	2.3	2.0	2.2	1.9
Rochester	68.3	69.7	68.9	70.3	1.3	1.3	1.3	1.2	1.9	1.9	1.9	1.8
St. Cloud	93.5	93.6	93.3	93.4	4.0	3.3	3.8	3.1	4.3	3.5	4.1	3.3
Mississippi	1,257.7	1,273.2	1,260.1	1,286.7	70.8	55.5	72.6	66.3	5.6	4.4	5.8	5.1
Biloxi-Gulfport-Pascagoula	165.6	168.5	165.6	174.1	6.2	4.6	6.3	5.6	3.7	2.7	3.8	3.2
Hattiesburg	50.5	50.5	50.9	50.4	1.6	1.2	2.0	1.5	3.1	2.4	3.8	3.0
Jackson	221.1	225.6	222.1	227.2	7.5	6.0	7.6	7.1	3.4	2.7	3.4	3.1
Missouri	2,820.1	2,863.3	2,811.3	2,865.3	142.0	89.5	137.4	87.4	5.0	3.1	4.9	3.0
Columbia	(1)	83.3	(1)	83.6	(1)	0.9	(1)	0.8	(1)	1.1	(1)	1.0
Joplin	(1)	83.7	(1)	83.3	(1)	2.1	(1)	2.1	(1)	2.5	(1)	2.5
Kansas City	(1)	985.2	(1)	986.7	(1)	30.7	(1)	29.6	(1)	3.1	(1)	3.0
St. Joseph	(1)	50.0	(1)	49.9	(1)	1.7	(1)	1.9	(1)	3.3	(1)	3.7
St. Louis LMA	(1)	1,320.9	(1)	1,324.4	(1)	43.3	(1)	41.4	(1)	3.3	(1)	3.1
Springfield	(1)	166.3	(1)	167.3	(1)	3.5	(1)	3.5	(1)	2.1	(1)	2.1
Montana	459.6	471.3	462.3	471.0	31.5	30.9	30.7	29.8	6.8	6.6	6.6	6.3
Billings	70.6	70.8	71.2	73.0	3.6	3.1	3.7	3.1	5.1	4.4	5.2	4.3
Great Falls	37.8	38.1	38.1	38.0	2.4	2.5	2.4	2.4	6.4	6.7	6.2	6.3
Missoula	52.0	51.4	52.0	51.4	2.9	2.5	2.5	2.3	5.6	4.8	4.9	4.5

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	February		March		February		March		February		March	
	1998	1999	1998	1999P	1998	1999	1998	1999P	1998	1999	1998	1999P
Nebraska	893.9	922.5	897.1	923.4	27.3	25.5	27.7	23.1	3.1	2.8	3.1	2.5
Lincoln	140.4	145.4	140.9	146.5	3.4	3.1	3.6	2.9	2.5	2.1	2.6	2.0
Omaha	381.9	393.1	381.4	392.9	11.9	9.7	12.0	9.1	3.1	2.5	3.1	2.3
Nevada	902.8	936.3	900.9	932.2	45.1	33.6	41.9	33.1	5.0	3.6	4.7	3.5
Las Vegas	682.8	718.3	681.4	714.9	30.7	22.5	29.5	23.2	4.5	3.1	4.3	3.2
Reno	172.6	175.3	172.6	174.6	8.9	7.0	7.6	6.2	5.1	4.0	4.4	3.6
New Hampshire	641.8	666.3	643.7	668.4	22.5	22.2	22.4	22.2	3.5	3.3	3.5	3.3
Manchester	101.9	106.3	102.2	107.2	3.0	3.3	3.0	3.2	3.0	3.1	2.9	3.0
Nashua	101.0	105.0	101.7	105.0	3.1	3.5	3.1	3.5	3.1	3.3	3.0	3.3
Portsmouth-Rochester	120.9	125.7	121.2	125.7	3.6	3.4	3.4	3.4	3.0	2.7	2.8	2.7
New Jersey	4,120.4	4,185.1	4,126.1	4,197.5	211.2	186.7	203.7	195.9	5.1	4.5	4.9	4.7
Atlantic-Cape May	167.8	167.5	168.0	168.6	17.8	15.9	17.1	16.3	10.6	9.5	10.2	9.7
Bergen-Passaic	668.1	681.9	669.3	685.4	31.8	29.3	31.0	31.4	4.8	4.3	4.6	4.6
Jersey City	281.2	284.0	281.8	284.4	21.2	19.0	20.9	20.5	7.6	6.7	7.4	7.2
Middlesex-Somerset-Hunterdon	629.7	642.0	630.1	643.5	22.4	19.2	21.6	20.1	3.6	3.0	3.4	3.1
Monmouth-Ocean	503.8	510.5	504.9	514.4	25.6	22.4	24.0	22.8	5.1	4.4	4.7	4.4
Newark	1,001.9	1,025.2	1,002.4	1,026.5	48.3	43.4	46.7	46.1	4.8	4.2	4.7	4.5
Trenton	167.4	168.0	167.7	167.8	7.6	6.7	7.3	7.0	4.6	4.0	4.3	4.2
Vineland-Millville-Bridgeton	64.7	64.8	65.0	64.8	6.6	5.7	6.6	5.8	10.2	8.8	10.2	9.0
New Mexico	819.2	834.1	826.8	837.5	47.0	51.7	50.2	52.6	5.7	6.2	6.1	6.3
Albuquerque	358.5	365.3	360.2	366.3	13.5	15.1	14.7	15.8	3.8	4.1	4.1	4.3
Las Cruces	66.9	68.8	68.5	69.4	6.0	6.2	6.5	6.0	9.0	9.0	9.5	8.7
Santa Fe	73.1	74.1	73.7	74.3	2.4	2.1	2.4	2.1	3.2	2.9	3.2	2.8
New York	8,850.5	8,838.3	8,856.0	8,836.3	586.9	528.9	556.5	486.7	6.6	6.0	6.3	5.5
Albany-Schenectady-Troy	452.0	451.4	449.2	452.3	21.8	18.3	19.7	18.3	4.8	4.1	4.4	4.0
Binghamton	124.2	124.9	124.0	125.4	6.5	6.0	6.0	6.0	5.2	4.8	4.8	4.8
Buffalo-Niagara Falls	576.0	573.2	573.4	574.6	36.3	34.4	33.5	34.8	6.3	6.0	5.8	6.1
Dutchess County	118.5	120.1	117.9	120.9	5.0	4.6	4.4	4.7	4.2	3.9	3.8	3.9
Elmira	44.4	44.9	44.3	45.0	2.3	2.4	2.2	2.5	5.2	5.4	4.9	5.6
Glens Falls	58.8	58.7	57.9	58.6	5.0	4.1	4.7	4.2	8.4	7.0	8.1	7.1
Jamestown	67.6	67.9	67.5	67.9	4.4	4.1	4.0	4.0	6.5	6.0	5.9	5.9
Nassau-Suffolk	1,377.2	1,390.1	1,383.1	1,406.7	54.3	46.2	49.0	46.0	3.9	3.3	3.5	3.3
New York	4,101.5	4,072.7	4,114.1	4,041.6	335.1	298.7	323.9	255.3	8.2	7.3	7.9	6.3
New York City	3,464.1	3,427.0	3,476.6	3,391.7	310.4	276.5	302.0	233.8	9.0	8.1	8.7	6.9
Newburgh	171.6	174.4	171.3	175.7	7.6	6.8	6.9	6.6	4.4	3.9	4.0	3.7
Rochester	573.2	572.3	571.9	573.9	27.3	27.6	25.4	27.2	4.8	4.8	4.4	4.7
Syracuse	362.1	362.6	360.8	363.9	19.2	17.2	18.1	17.4	5.3	4.7	5.0	4.8
Utica-Rome	142.1	141.9	140.8	142.0	8.9	7.6	8.1	7.7	6.3	5.4	5.8	5.4
North Carolina	3,745.9	3,802.1	3,749.6	3,816.0	154.4	134.4	137.7	119.9	4.1	3.5	3.7	3.1
Asheville	108.1	110.6	108.4	111.5	3.7	3.2	3.4	2.7	3.5	2.9	3.1	2.4
Charlotte-Gastonia-Rock Hill	734.8	749.5	737.5	750.5	21.2	19.2	20.3	16.1	2.9	2.6	2.8	2.1
Fayetteville	112.9	113.9	112.9	114.1	4.9	4.6	4.6	4.3	4.3	4.0	4.1	3.7
Goldsboro	47.3	47.7	47.3	47.2	2.1	2.1	2.0	1.9	4.5	4.4	4.1	4.1
Greensboro-Winston-Salem-High Point	624.6	635.6	625.7	636.5	20.2	15.9	18.1	13.9	3.2	2.5	2.9	2.2
Greenville	63.4	64.7	63.8	64.4	2.9	2.8	2.7	2.5	4.5	4.3	4.3	3.9
Hickory-Morganton-Lenoir	169.8	170.0	169.4	170.0	5.7	4.3	5.3	3.6	3.3	2.5	3.1	2.2
Jacksonville	44.9	45.2	44.8	45.5	2.0	1.7	1.8	1.8	4.5	3.8	4.0	3.8
Raleigh-Durham-Chapel Hill	608.4	637.3	609.6	639.5	12.4	10.4	10.9	9.5	2.0	1.6	1.8	1.5
Rocky Mount	66.6	64.9	67.7	66.3	4.9	4.2	5.1	4.0	7.4	6.5	7.6	6.1
Wilmington	104.8	105.4	104.8	106.2	5.9	4.4	4.9	3.5	5.7	4.2	4.7	3.3
North Dakota	338.4	336.3	341.5	337.2	11.6	10.2	14.4	11.6	3.4	3.0	4.2	3.4
Bismarck	52.9	52.9	53.5	53.3	1.9	1.5	2.3	1.7	3.6	2.8	4.4	3.1
Fargo-Moorhead	101.9	102.4	102.5	102.7	2.1	2.1	2.4	2.0	2.1	2.0	2.3	2.0
Grand Forks	53.2	52.9	53.6	53.0	1.6	1.5	1.7	1.5	3.0	2.8	3.2	2.9
Ohio	5,543.0	5,725.3	5,565.7	5,737.1	265.1	273.3	258.4	244.0	4.8	4.8	4.6	4.3
Akron	351.9	363.5	354.4	365.0	16.6	17.1	16.4	15.6	4.7	4.7	4.6	4.3
Canton-Massillon	197.1	203.9	197.9	205.1	9.8	10.3	9.4	9.9	5.0	5.0	4.8	4.8
Cincinnati	814.8	844.9	819.6	849.9	30.9	29.5	29.2	26.5	3.8	3.5	3.6	3.1
Cleveland-Lorain-Elyria	1,082.5	1,114.9	1,086.3	1,114.9	53.8	55.5	53.3	49.8	5.0	5.0	4.9	4.5
Columbus	791.4	819.6	793.2	821.4	23.0	23.8	23.0	21.4	2.9	2.9	2.9	2.6
Dayton-Springfield	463.7	472.1	464.2	474.6	18.1	18.9	17.8	17.1	3.9	4.0	3.8	3.6
Hamilton-Middletown	174.7	180.1	176.9	181.3	6.4	6.5	6.3	6.0	3.7	3.6	3.5	3.3
Lima	71.9	74.9	72.5	74.9	3.5	3.9	3.5	3.4	4.9	5.2	4.8	4.5
Mansfield	81.2	82.9	80.8	83.1	4.7	4.9	4.7	4.6	5.8	5.9	5.8	5.6
Steubenville-Weirton	55.7	56.6	56.4	57.2	3.9	4.7	3.9	4.4	7.0	8.3	7.0	7.7
Toledo	308.3	319.1	309.1	317.3	15.3	16.5	14.8	12.2	5.0	5.2	4.8	3.9
Youngstown-Warren	275.6	283.5	277.2	284.7	17.0	17.3	16.7	16.0	6.2	6.1	6.0	5.6

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	February		March		February		March		February		March	
	1998	1999	1998	1999P	1998	1999	1998	1999P	1998	1999	1998	1999P
Oklahoma	1,600.2	1,633.7	1,611.1	1,643.5	77.7	75.0	71.9	69.4	4.9	4.6	4.5	4.2
Enid	27.4	27.1	27.6	27.3	1.1	1.1	1.1	1.0	4.1	4.0	3.9	3.7
Lawton	40.6	41.1	40.8	41.4	2.3	2.2	2.1	2.0	5.7	5.3	5.2	4.7
Oklahoma City	523.1	535.6	527.4	539.5	20.5	20.2	19.0	18.0	3.9	3.8	3.6	3.3
Tulsa	403.8	417.6	407.0	422.0	15.3	14.3	13.9	13.9	3.8	3.4	3.4	3.3
Oregon	1,729.0	1,765.7	1,740.4	1,773.9	111.6	118.7	110.0	113.4	6.5	6.7	6.3	6.4
Eugene-Springfield	159.8	164.6	161.3	164.9	10.5	10.4	10.4	9.8	6.6	6.3	6.4	5.9
Medford-Ashland	86.9	89.4	86.7	89.4	7.6	7.7	7.4	7.3	8.7	8.6	8.6	8.1
Portland-Vancouver	1,032.4	1,060.4	1,038.0	1,064.8	44.6	51.5	44.6	49.2	4.3	4.9	4.3	4.6
Salem	161.0	163.7	161.3	167.7	10.7	11.7	10.5	11.3	6.6	7.1	6.5	6.8
Pennsylvania	5,873.7	5,910.4	5,890.0	5,948.7	313.9	289.0	304.7	285.4	5.3	4.9	5.2	4.8
Allentown-Bethlehem-Easton	308.0	311.9	308.7	314.3	15.4	14.6	14.9	14.1	5.0	4.7	4.8	4.5
Altoona	61.4	62.8	61.6	63.1	3.6	3.3	3.5	3.2	5.9	5.3	5.7	5.1
Erie	138.1	139.6	138.0	139.2	8.4	7.8	8.1	7.6	6.1	5.6	5.9	5.5
Harrisburg-Lebanon-Carlisle	344.2	348.7	345.4	351.0	12.2	11.5	12.2	11.7	3.5	3.3	3.5	3.3
Johnstown	102.3	102.0	102.4	103.3	8.5	7.3	8.3	7.2	8.4	7.2	8.1	7.0
Lancaster	235.3	239.8	237.6	240.8	7.9	7.2	7.5	6.7	3.3	3.0	3.2	2.8
Philadelphia	2,470.4	2,480.7	2,474.8	2,496.3	114.4	101.9	110.2	102.2	4.6	4.1	4.5	4.1
Pittsburgh	1,137.6	1,148.2	1,142.9	1,156.6	61.9	57.4	61.1	56.9	5.4	5.0	5.3	4.9
Reading	180.9	181.6	181.4	182.9	8.1	8.2	8.3	8.4	4.5	4.5	4.6	4.6
Scranton-Wilkes-Barre-Hazleton	306.7	306.5	307.7	307.9	23.2	20.0	21.8	19.3	7.6	6.5	7.1	6.3
Sharon	56.2	56.3	56.2	56.9	2.8	2.6	2.8	2.8	5.0	4.7	4.9	4.8
State College	66.1	67.0	66.2	67.0	2.3	2.1	2.2	2.2	3.4	3.2	3.3	3.2
Williamsport	57.1	57.2	56.8	57.2	4.4	3.5	3.9	3.3	7.7	6.2	6.9	5.8
York	190.2	190.8	191.0	192.1	7.7	7.2	7.8	7.1	4.0	3.8	4.1	3.7
Rhode Island	499.0	497.5	492.6	496.5	33.0	25.9	29.1	17.7	6.6	5.2	5.9	3.6
Providence-Fall River-Warwick	575.9	573.2	570.5	572.8	37.8	29.9	34.7	22.7	6.6	5.2	6.1	4.0
South Carolina	1,923.2	1,957.2	1,937.0	1,958.6	74.8	86.3	57.3	63.8	3.9	4.4	3.0	3.3
Charleston-North Charleston	258.0	265.6	261.1	268.4	7.4	8.5	6.0	6.4	2.9	3.2	2.3	2.4
Columbia	274.4	279.6	277.4	282.9	5.7	6.2	4.5	5.3	2.1	2.2	1.6	1.9
Florence	63.3	63.8	63.4	63.3	2.9	3.1	2.3	2.3	4.6	4.9	3.7	3.7
Greenville-Spartanburg-Anderson	488.4	492.7	492.9	495.5	12.3	15.6	9.3	12.3	2.5	3.2	1.9	2.5
Myrtle Beach	96.2	101.5	99.4	102.8	5.7	5.9	3.3	3.2	6.0	5.8	3.4	3.1
Sumter	47.4	47.6	47.4	47.0	2.2	2.6	1.8	1.9	4.6	5.4	3.8	4.1
South Dakota	384.5	390.5	389.9	394.3	14.1	12.3	14.4	12.4	3.7	3.2	3.7	3.1
Rapid City	45.6	46.6	46.0	47.5	1.6	1.2	1.5	1.2	3.5	2.6	3.3	2.6
Sioux Falls	97.3	100.6	98.5	102.0	2.3	1.8	2.2	1.9	2.3	1.8	2.2	1.8
Tennessee	2,681.4	2,774.0	2,709.3	2,782.0	126.4	128.8	122.3	121.5	4.7	4.6	4.5	4.4
Chattanooga	216.8	216.6	219.2	216.8	9.7	8.4	9.7	8.0	4.5	3.9	4.4	3.7
Clarksville-Hopkinsville	78.8	81.6	80.0	82.5	3.2	2.9	3.1	2.8	4.1	3.5	3.8	3.4
Jackson	55.2	56.3	55.9	56.6	1.9	2.1	2.0	2.1	3.5	3.8	3.5	3.7
Johnson City-Kingsport-Bristol	220.0	224.9	221.8	225.1	10.6	11.1	9.8	10.9	4.8	4.9	4.4	4.8
Knoxville	332.7	342.6	337.1	342.6	15.2	15.9	13.9	14.6	4.6	4.6	4.1	4.3
Memphis	527.4	563.1	534.6	565.6	20.9	19.6	20.8	19.5	4.0	3.5	3.9	3.4
Nashville	623.2	646.2	628.9	647.4	17.2	17.9	17.5	17.6	2.8	2.8	2.8	2.7
Texas	9,892.3	10,191.6	9,948.5	10,218.4	486.6	488.6	459.5	445.5	4.9	4.8	4.6	4.4
Abilene	60.5	62.1	60.7	62.1	2.1	2.4	2.0	2.2	3.4	3.9	3.3	3.5
Amarillo	110.5	112.7	111.1	113.4	4.0	3.3	3.8	3.0	3.6	3.0	3.4	2.6
Austin-San Marcos	664.2	692.2	668.9	696.2	17.6	16.3	16.5	14.6	2.7	2.4	2.5	2.1
Beaumont-Port Arthur	180.8	187.2	181.6	187.5	12.7	13.8	12.3	13.4	7.0	7.4	6.7	7.2
Brazoria	105.2	106.3	106.3	107.0	6.4	6.6	6.0	6.2	6.1	6.2	5.6	5.8
Brownsville-Harlingen-San Benito	126.1	128.0	126.5	125.7	16.4	16.1	15.5	12.3	13.0	12.6	12.3	9.8
Bryan-College Station	73.0	76.3	73.7	77.1	1.2	1.3	1.1	1.2	1.7	1.7	1.5	1.5
Corpus Christi	173.6	176.8	173.6	177.1	11.4	11.0	10.5	10.3	6.6	6.2	6.1	5.8
Dallas	1,820.1	1,892.5	1,830.2	1,900.0	60.7	57.1	57.2	52.9	3.3	3.0	3.1	2.8
El Paso	284.5	286.6	285.7	285.6	29.3	28.7	27.3	25.5	10.3	10.0	9.6	8.9
Fort Worth-Arlington	856.0	889.4	860.0	893.1	28.8	27.6	27.0	25.4	3.4	3.1	3.1	2.8
Galveston-Texas City	122.6	123.2	122.8	123.6	8.2	7.4	7.8	7.1	6.7	6.0	6.3	5.7
Houston	2,079.0	2,140.4	2,090.0	2,147.7	86.3	89.0	81.8	85.2	4.2	4.2	3.9	4.0
Killeen-Temple	113.5	114.8	113.8	115.1	5.2	4.1	4.7	3.7	4.6	3.6	4.2	3.2
Laredo	71.4	74.8	71.7	74.7	6.8	7.4	6.6	6.6	9.5	9.9	9.3	8.8
Longview-Marshall	103.2	105.6	103.2	105.6	7.1	7.5	6.6	6.9	6.9	7.1	6.4	6.5
Lubbock	122.1	123.2	121.9	123.6	4.3	3.5	4.1	3.3	3.5	2.9	3.4	2.7
McAllen-Edinburg-Mission	198.2	200.1	195.5	195.9	39.3	35.8	34.7	29.5	19.8	17.9	17.8	15.1
Odessa-Midland	125.5	129.8	126.6	128.6	5.3	11.9	5.3	11.0	4.3	9.2	4.2	8.6
San Angelo	51.2	52.9	51.5	53.1	1.5	2.4	1.5	2.2	2.9	4.6	3.0	4.2
San Antonio	741.2	761.3	749.9	768.7	27.0	22.7	27.4	21.7	3.6	3.0	3.6	2.8
Sherman-Denison	50.1	51.3	49.9	51.0	2.1	2.6	2.0	2.3	4.1	5.1	4.0	4.5
Texarkana	55.5	56.3	55.6	56.6	4.5	3.3	4.3	3.0	8.1	5.9	7.7	5.3
Tyler	88.2	90.7	88.5	91.3	4.8	4.0	4.3	3.7	5.4	4.4	4.8	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 metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	February		March		February		March		February		March	
	1998	1999	1998	1999P	1998	1999	1998	1999P	1998	1999	1998	1999P
Texas—Continued												
Victoria	42.9	43.3	43.0	43.4	1.9	1.8	1.8	1.7	4.3	4.3	4.1	3.9
Waco	99.5	101.6	99.4	101.9	4.3	3.5	4.4	3.2	4.3	3.4	4.4	3.1
Wichita Falls	65.6	66.6	65.7	65.9	3.2	3.6	2.9	2.5	4.8	5.4	4.5	3.9
Utah	1,034.8	1,083.4	1,031.0	1,085.4	43.3	38.0	40.8	37.0	4.2	3.5	4.0	3.4
Provo-Orem	154.6	163.4	154.3	164.7	5.4	5.1	5.1	5.0	3.5	3.1	3.3	3.0
Salt Lake City-Ogden	663.4	695.4	660.5	693.8	25.9	22.3	24.5	21.9	3.9	3.2	3.7	3.1
Vermont	326.4	337.1	327.3	338.5	15.7	13.9	13.0	11.6	4.8	4.1	4.0	3.4
Burlington	97.6	98.2	98.2	98.4	3.1	2.8	2.8	2.2	3.2	2.8	2.6	2.2
Virginia	3,396.4	3,550.3	3,412.9	3,559.8	109.5	98.6	95.0	92.6	3.2	2.8	2.8	2.6
Charlottesville	72.5	76.7	72.9	76.7	1.1	0.9	0.9	0.8	1.5	1.1	1.3	1.1
Danville	55.4	56.7	55.1	56.9	2.9	3.0	2.5	3.5	5.2	5.2	4.5	8.2
Lynchburg	100.6	103.8	100.9	104.4	2.9	2.3	2.4	2.3	2.8	2.2	2.3	2.2
Norfolk-Virginia Beach-Newport News	714.5	742.8	718.2	744.0	26.2	24.6	22.7	21.4	3.7	3.3	3.2	2.9
Richmond-Petersburg	498.4	517.6	501.1	517.1	13.7	11.8	12.3	10.9	2.8	2.3	2.4	2.1
Roanoke	126.7	132.7	126.7	132.6	3.7	2.4	3.0	2.1	2.9	1.8	2.4	1.6
Washington	3,004.2	3,074.7	2,999.8	3,062.0	161.0	175.7	151.7	154.0	5.4	5.7	5.1	5.0
Bellingham	77.9	80.9	78.1	80.4	5.2	5.8	5.0	4.6	6.7	7.1	6.3	5.7
Bremerton	91.2	93.3	90.9	93.4	5.2	5.1	4.8	4.8	5.7	5.5	5.3	5.2
Olympia	99.9	101.8	99.5	100.9	5.4	5.4	5.2	4.8	5.4	5.3	5.2	4.7
Richland-Kennewick-Pasco	90.1	91.3	91.4	91.9	8.1	7.9	7.2	6.5	9.0	8.8	7.9	7.1
Seattle-Bellevue-Everett	1,378.3	1,405.2	1,371.3	1,396.7	44.6	50.9	43.2	47.1	3.2	3.8	3.2	3.4
Spokane	207.8	212.4	207.0	210.6	11.6	14.3	10.7	12.4	5.6	6.7	5.1	5.9
Tacoma	330.6	341.7	329.4	340.5	16.1	17.3	15.6	15.5	4.9	5.0	4.7	4.6
Yakima	107.4	108.3	108.9	109.0	14.9	15.1	13.7	13.0	13.9	13.9	12.6	12.0
West Virginia	786.2	799.8	791.2	804.3	61.5	55.0	62.6	59.4	7.8	6.9	7.9	7.4
Charleston	128.1	131.6	128.5	131.3	7.0	6.4	7.0	6.6	5.5	4.8	5.5	5.0
Huntington-Ashland	135.8	138.9	136.2	138.9	10.2	10.1	9.8	9.2	7.5	7.3	7.2	6.7
Parkersburg-Marietta	74.7	77.6	74.8	77.2	5.1	5.1	5.3	4.9	6.8	6.5	7.0	6.4
Wheeling	71.6	73.4	72.3	74.0	4.9	4.5	5.0	4.5	6.8	6.1	6.9	6.1
Wisconsin	2,896.4	2,947.4	2,901.2	2,945.1	115.0	123.1	111.8	113.8	4.0	4.2	3.9	3.9
Appleton-Oshkosh-Neenah	217.8	223.5	218.5	223.9	7.4	7.2	6.9	6.7	3.4	3.2	3.2	3.0
Eau Claire	81.7	84.1	81.7	84.0	3.7	3.6	3.5	3.3	4.5	4.3	4.3	3.9
Green Bay	129.8	132.0	130.2	132.1	4.3	4.1	4.1	3.6	3.3	3.1	3.1	2.8
Janesville-Beloit	79.0	79.3	79.3	79.3	3.0	3.5	2.9	3.1	3.8	4.4	3.6	3.9
Kenosha	79.7	81.7	79.7	81.3	2.5	3.1	2.5	2.9	3.1	3.9	3.1	3.6
La Crosse	71.6	72.9	71.2	72.4	2.4	2.8	2.4	2.3	3.4	3.9	3.4	3.2
Madison	257.8	265.1	258.0	264.9	4.9	4.9	4.6	4.5	1.9	1.9	1.8	1.7
Milwaukee-Waukesha	796.4	807.7	799.2	808.2	25.1	29.0	24.9	27.9	3.1	3.6	3.1	3.4
Racine	92.1	93.8	92.5	94.2	3.9	4.9	3.9	4.4	4.2	5.2	4.2	4.7
Sheboygan	59.9	60.5	60.4	60.7	1.7	1.5	1.6	1.4	2.8	2.5	2.6	2.3
Wausau	72.6	74.8	72.2	74.8	3.7	3.4	3.3	3.2	5.1	4.5	4.8	4.2
Wyoming	251.6	256.8	255.1	259.3	15.7	15.3	15.1	13.9	6.2	5.9	5.9	5.4
Casper	32.9	33.5	33.4	34.1	2.1	2.0	2.0	1.9	6.5	6.1	6.0	5.5
Cheyenne	39.0	39.3	39.8	40.0	1.8	1.5	1.7	1.4	4.6	3.9	4.3	3.4
Puerto Rico	1,310.5	1,319.7	1,326.4	1,322.1	182.1	165.2	177.6	167.6	13.9	12.5	13.4	12.7
Aguadilla	52.8	51.1	53.1	(1)	10.3	8.6	9.9	(1)	19.4	18.7	18.8	(1)
Arecibo	52.7	53.1	53.5	(1)	8.7	7.4	8.8	(1)	16.6	14.0	16.5	(1)
Caguas	116.9	119.4	119.7	(1)	14.3	13.8	14.6	(1)	12.2	11.6	12.2	(1)
Mayaguez	94.0	94.1	94.6	(1)	16.0	15.4	15.3	(1)	17.0	16.4	16.1	(1)
Ponce	109.4	109.8	111.4	(1)	19.8	17.8	19.7	(1)	18.1	16.2	17.7	(1)
San Juan-Bayamon	710.3	721.2	717.8	(1)	79.4	72.2	76.6	(1)	11.2	10.0	10.7	(1)

1 Not available.
P = preliminary.

NOTE: Data refer to place of residence. All estimates are provisional and will be revised when new benchmark and population information becomes available.

Annual Averages

Regions, States, and Areas

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry

State and area	Total			Mining			Construction		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Alabama	1,828.6	1,866.3	1,906.0	10.7	10.5	10.7	93.4	97.2	101.8
Birmingham	451.1	463.5	474.7	3.4	3.3	3.1	25.4	26.7	28.7
Huntsville	168.3	173.1	176.9	(1)	(1)	(1)	5.8	6.0	6.2
Mobile	213.4	220.1	226.8	(1)	(1)	(1)	16.1	17.2	18.3
Montgomery	153.8	157.2	161.1	(1)	(1)	(1)	8.6	8.4	8.6
Tuscaloosa	75.3	78.3	80.6	2.8	2.7	2.8	5.0	5.5	5.3
Alaska	263.6	268.7	275.4	9.9	10.0	10.5	12.6	12.8	13.4
Anchorage	121.1	123.9	128.9	2.5	2.4	2.7	6.4	6.6	7.0
Arizona	1,892.3	1,984.6	2,078.1	14.0	13.8	12.9	126.2	131.8	143.8
Phoenix-Mesa	1,312.5	1,383.0	1,459.9	6.5	6.3	5.7	90.2	95.1	105.2
Tucson	307.2	315.4	325.4	2.3	2.3	2.2	19.2	19.4	20.0
Arkansas	1,086.0	1,104.0	1,123.4	3.5	3.6	3.4	47.2	47.6	48.0
Fayetteville-Springdale-Rogers	135.0	138.5	141.7	(1)	(1)	(1)	5.9	5.7	5.6
Fort Smith	93.8	95.8	97.3	9	9	8	3.8	4.0	4.2
Little Rock-North Little Rock	297.6	303.3	308.4	(1)	(1)	(1)	14.3	14.3	14.4
Pine Bluff	35.8	35.8	36.2	(1)	(1)	(1)	1.0	1.0	1.0
California	12,743.4	13,129.7	13,584.1	29.2	29.0	25.4	505.9	550.0	601.5
Bakersfield	174.9	179.2	184.1	10.5	10.4	9.3	8.2	8.8	10.1
Fresno	270.8	274.3	278.1	6	5	3	13.1	13.3	14.3
Los Angeles-Long Beach	3,788.5	3,865.1	3,946.7	5.7	5.5	4.9	107.5	109.5	116.2
Modesto	127.8	131.7	137.5	(2)	(2)	(2)	6.2	6.8	7.9
Oakland	916.4	947.8	975.5	2.2	2.1	1.7	46.6	50.0	53.0
Orange County	1,184.3	1,233.9	1,295.3	9	9	9	52.5	58.1	63.2
Riverside-San Bernardino	803.5	841.4	875.2	1.2	1.2	1.0	46.2	52.1	58.2
Sacramento	605.2	625.2	648.1	2	2	2	30.0	33.2	36.0
Salinas	113.5	117.6	121.2	1	1	1	4.2	4.6	5.4
San Diego	1,006.2	1,054.2	1,100.3	4	4	3	45.5	53.0	61.1
San Francisco	948.2	983.5	1,013.2	6	6	5	31.0	35.1	38.0
San Jose	879.9	926.6	957.4	1	1	1	32.7	37.3	41.5
Santa Barbara-Santa Maria-Lompoc	145.6	151.4	154.7	1.2	1.0	.8	5.9	6.7	6.8
Santa Rosa	157.5	165.4	173.1	5	5	5	8.3	9.3	9.7
Stockton-Lodi	163.5	167.4	172.2	1	1	1	6.6	7.5	8.4
Vallejo-Fairfield-Napa	144.5	150.0	155.6	5	6	5	8.8	10.0	10.4
Ventura	237.9	242.7	251.4	1.7	1.5	1.3	10.5	11.1	12.3
Colorado	1,900.4	1,979.5	2,051.0	13.7	14.0	14.1	111.0	119.0	131.9
Boulder-Longmont	150.3	157.7	163.7	(1)	(1)	(1)	6.1	6.5	7.4
Colorado Springs	208.2	217.5	224.7	(1)	(1)	(1)	11.9	12.4	12.7
Denver	1,011.9	1,055.9	1,094.9	6.9	6.9	6.9	57.4	61.6	68.8
Connecticut	1,583.6	1,612.6	1,645.0	7	8	8	52.4	56.3	58.6
Bridgeport	179.8	184.3	186.9	(2)	(2)	(2)	5.5	6.2	6.5
Danbury	83.8	85.8	88.3	(1)	(1)	(1)	3.0	3.5	3.8
Hartford	590.2	597.8	604.3	(1)	(1)	(1)	19.0	19.8	20.0
New Haven-Meriden	244.7	249.4	254.4	(1)	(1)	(1)	8.7	9.2	9.8
New London-Norwich	132.6	136.2	138.0	(1)	(1)	(1)	4.0	4.5	4.7
Stamford-Norwalk	196.1	201.5	206.3	(1)	(1)	(1)	5.4	5.8	6.0
Waterbury	83.9	85.8	86.5	(2)	(2)	(2)	3.0	3.2	3.4
Delaware	376.4	387.9	399.5	1	1	1	21.3	21.9	22.4
Dover	51.9	51.4	53.1	1	1	1	2.3	2.3	2.6
Wilmington-Newark	290.3	301.5	311.2	2	2	2	16.2	16.6	16.4
District of Columbia	623.1	618.4	615.4	1	1	1	8.9	9.1	8.9
Washington PMSA	2,427.1	2,483.8	2,549.9	9	10	11	117.9	126.3	131.3
Florida	6,183.3	6,414.4	6,677.3	6.8	6.6	6.7	325.4	334.3	351.3
Daytona Beach	147.8	150.1	154.4	(2)	(2)	(2)	7.4	7.7	8.0
Fort Lauderdale	607.4	626.2	645.7	1	1	1	34.1	34.3	35.5
Fort Myers-Cape Coral	147.7	151.8	158.5	(2)	(2)	(2)	12.2	12.4	13.8
Gainesville	109.6	111.5	114.7	(2)	(2)	(2)	4.4	4.4	4.6
Jacksonville	494.5	508.9	532.2	(2)	(2)	(2)	27.1	28.1	28.8
Lakeland-Winter Haven	165.2	169.2	175.5	3.3	3.1	3.2	8.5	9.0	10.0
Melbourne-Titusville-Palm Bay	170.4	176.7	181.8	(2)	(2)	(2)	9.5	9.2	9.5
Miami	937.8	961.7	978.2	4	3	3	35.0	33.8	34.2
Orlando	749.8	794.8	839.9	(2)	(2)	(2)	40.2	43.2	47.0
Pensacola	146.8	149.4	155.4	(2)	(2)	(2)	10.8	10.6	11.0
Sarasota-Bradenton	230.5	243.4	250.7	(2)	(2)	(2)	12.3	12.5	13.0
Tallahassee	144.9	148.0	152.6	(2)	(2)	(2)	6.1	6.1	6.0
Tampa-St. Petersburg-Clearwater	1,022.0	1,069.0	1,126.7	4	4	4	48.3	51.4	54.4
West Palm Beach-Boca Raton	417.2	438.2	472.3	(2)	(2)	(2)	24.3	24.6	26.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Alabama	382.6	380.5	379.0	90.8	91.2	92.3	419.3	427.3	439.1
Birmingham	52.2	51.7	51.9	30.3	30.3	30.8	109.7	112.1	115.1
Huntsville	38.7	38.8	38.8	3.6	3.8	4.0	33.9	34.7	35.4
Mobile	27.1	27.5	28.0	13.1	12.9	12.8	56.6	58.0	60.0
Montgomery	17.8	17.8	18.2	6.4	6.5	6.7	36.4	37.4	38.2
Tuscaloosa	10.9	11.6	12.2	2.4	2.4	2.5	17.6	18.4	19.1
Alaska	15.9	15.2	14.6	22.9	24.2	25.5	54.6	55.9	56.9
Anchorage	2.0	2.0	2.0	11.9	12.3	13.2	29.8	30.7	31.3
Arizona	199.9	207.4	217.0	91.8	96.6	101.0	464.4	482.4	499.2
Phoenix-Mesa	154.4	161.5	170.2	66.3	70.4	74.7	325.6	338.7	353.7
Tucson	28.1	28.3	29.0	13.5	13.6	13.5	67.0	69.2	70.3
Arkansas	253.8	252.9	254.0	64.8	65.7	67.8	247.5	252.4	256.3
Fayetteville-Springdale-Rogers	34.0	34.0	34.0	9.4	9.3	9.8	37.1	38.7	40.2
Fort Smith	27.5	27.1	27.3	6.3	6.5	6.5	19.6	20.0	19.7
Little Rock-North Little Rock	34.1	33.5	33.7	20.5	21.1	21.6	69.3	70.3	71.0
Pine Bluff	8.0	8.2	8.5	1.8	1.8	1.8	7.5	7.3	7.1
California	1,851.8	1,914.0	1,960.3	641.8	663.7	694.0	2,974.0	3,048.8	3,121.9
Bakersfield	9.8	9.6	9.8	9.2	9.9	10.5	42.2	42.6	42.8
Fresno	30.0	30.2	30.4	13.7	14.0	13.8	66.3	67.4	67.5
Los Angeles-Long Beach	644.7	661.4	667.8	204.7	211.9	223.7	840.7	858.6	873.9
Modesto	26.0	26.1	27.3	5.4	5.4	5.3	32.3	33.5	34.3
Oakland	114.6	120.1	122.7	58.5	60.9	62.4	207.9	212.3	219.1
Orange County	211.2	222.4	236.0	42.8	44.4	46.5	298.6	309.9	321.2
Riverside-San Bernardino	99.2	104.8	110.1	41.1	42.5	45.7	210.1	217.9	222.7
Sacramento	43.3	45.3	46.7	24.8	24.7	25.9	133.8	136.7	139.7
Salinas	9.5	9.6	9.4	5.3	5.4	5.4	30.5	31.0	31.5
San Diego	117.5	123.1	127.3	38.3	41.6	44.6	235.9	244.0	247.6
San Francisco	75.6	76.7	77.7	76.4	79.0	80.9	200.6	206.9	211.6
San Jose	245.9	258.2	264.3	25.4	27.2	28.7	174.6	182.7	185.2
Santa Barbara-Santa Maria-Lompoc	16.4	17.1	17.8	5.1	5.4	5.2	35.0	36.6	37.4
Santa Rosa	23.6	26.1	28.1	5.9	6.1	6.5	40.4	41.3	43.0
Stockton-Lodi	23.5	23.7	23.9	11.7	12.0	12.2	39.5	40.0	40.9
Vallejo-Fairfield-Napa	16.8	17.8	19.0	5.7	6.1	6.6	38.0	39.3	39.9
Ventura	30.7	32.8	34.5	9.7	9.7	10.3	59.1	59.2	60.0
Colorado	197.1	204.0	207.4	121.1	123.8	129.4	465.9	480.1	493.1
Boulder-Longmont	30.2	31.5	32.4	3.6	3.7	4.0	33.3	35.0	35.4
Colorado Springs	25.1	26.3	27.1	11.4	12.0	11.7	47.2	48.5	50.2
Denver	90.0	92.8	93.1	84.9	85.8	91.7	247.9	255.7	260.2
Connecticut	274.8	276.1	278.5	73.7	75.0	75.5	347.0	351.5	355.7
Bridgeport	39.9	39.5	39.0	7.1	7.1	7.0	40.4	41.4	41.9
Danbury	19.0	18.9	19.6	2.7	2.6	2.7	22.0	22.0	22.0
Hartford	91.1	93.7	95.7	26.0	26.9	26.4	123.6	123.9	124.0
New Haven-Meriden	39.3	39.2	40.0	15.8	16.0	16.2	50.9	52.5	53.9
New London-Norwich	26.1	24.7	24.2	6.4	6.4	6.6	27.4	27.7	27.9
Stamford-Norwalk	28.3	28.2	27.5	9.8	10.3	10.6	44.1	44.9	44.3
Waterbury	18.5	18.7	18.8	3.5	3.5	3.6	16.9	17.7	18.1
Delaware	57.9	57.8	59.5	15.6	15.7	16.3	83.8	85.3	87.0
Dover	6.5	6.0	6.2	1.7	1.7	2.0	13.1	12.9	12.5
Wilmington-Newark	42.3	43.3	45.1	13.8	13.6	14.0	59.9	61.1	62.6
District of Columbia	13.0	12.7	12.5	19.1	17.4	16.2	50.0	48.5	48.2
Washington PMSA	96.4	100.4	103.0	111.9	113.8	117.5	467.0	470.7	473.6
Florida	489.7	492.0	496.4	314.5	326.8	336.3	1,607.4	1,649.2	1,683.8
Daytona Beach	14.1	14.1	14.2	3.9	4.3	4.8	42.3	42.5	42.6
Fort Lauderdale	42.0	40.4	39.9	30.5	31.3	30.3	171.5	177.2	181.3
Fort Myers-Cape Coral	6.8	6.8	7.0	6.6	7.0	7.4	42.3	42.9	44.1
Gainesville	5.6	5.5	5.4	2.3	2.3	2.4	23.7	23.4	23.5
Jacksonville	36.5	37.8	39.6	34.9	36.3	37.1	124.4	126.0	128.4
Lakeland-Winter Haven	21.2	20.6	20.4	8.8	8.7	8.9	46.0	47.8	49.0
Melbourne-Titusville-Palm Bay	26.2	27.1	26.9	4.6	5.1	5.6	40.7	41.5	43.1
Miami	77.1	75.5	75.1	80.1	83.3	86.3	247.7	253.3	255.7
Orlando	51.6	52.3	53.9	39.2	40.9	42.8	188.0	198.5	204.9
Pensacola	11.5	11.1	10.6	6.7	7.1	7.5	37.3	38.6	40.4
Sarasota-Bradenton	20.3	20.6	21.1	5.3	5.2	5.2	58.0	58.9	59.6
Tallahassee	5.3	5.2	4.9	3.8	4.0	4.1	29.4	30.1	30.7
Tampa-St. Petersburg-Clearwater	86.7	88.7	89.1	45.3	47.6	49.0	255.2	258.4	261.4
West Palm Beach-Boca Raton	29.7	30.1	31.7	15.5	16.0	16.2	108.8	113.4	119.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Finance, insurance, and real estate			Services			Government		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Alabama	81.6	84.7	87.4	407.4	428.6	448.6	342.9	346.2	347.2
Birmingham	32.7	34.4	35.4	128.8	136.2	141.8	68.6	68.9	68.0
Huntsville	4.6	4.8	4.8	43.3	46.6	49.3	38.4	38.6	38.5
Mobile	9.5	10.0	9.9	57.2	60.0	62.9	33.8	34.5	34.9
Montgomery	9.0	9.4	9.8	39.4	41.0	42.9	36.3	36.7	36.6
Tuscaloosa	2.4	2.5	2.4	13.1	13.7	14.6	21.1	21.6	21.7
Alaska	11.9	12.2	12.5	62.9	65.3	68.5	73.1	73.2	73.5
Anchorage	7.2	7.2	7.5	33.6	34.9	36.6	27.7	27.9	28.6
Arizona	117.1	127.7	138.9	560.9	596.7	626.2	317.9	328.2	339.1
Phoenix-Mesa	96.4	107.2	116.9	403.1	431.9	451.4	170.1	171.9	182.2
Tucson	12.0	12.1	13.1	95.7	99.3	106.3	69.4	71.3	71.0
Arkansas	43.2	44.1	45.0	245.8	254.4	263.3	180.3	183.4	185.7
Fayetteville-Springdale-Rogers	4.7	4.9	5.1	25.6	27.0	27.8	18.3	19.0	19.2
Fort Smith	3.1	3.2	3.1	23.2	24.3	25.9	9.6	9.8	9.9
Little Rock-North Little Rock	17.2	17.4	17.8	84.7	87.8	90.5	57.5	58.9	59.3
Pine Bluff	1.4	1.3	1.3	8.4	8.5	8.6	7.8	7.7	7.8
California	736.7	758.3	798.0	3,890.7	4,025.3	4,219.5	2,113.3	2,140.7	2,163.6
Bakersfield	6.3	6.6	7.2	41.3	43.0	45.6	47.3	48.2	48.9
Fresno	14.1	13.7	13.9	68.4	70.0	71.8	64.8	65.1	66.1
Los Angeles-Long Beach	217.2	220.2	226.5	1,234.9	1,261.9	1,294.4	533.0	536.3	539.3
Modesto	4.4	4.5	4.5	30.3	32.1	34.6	23.2	23.4	23.8
Oakland	52.1	54.6	55.3	266.2	279.9	292.8	168.2	167.9	168.7
Orange County	86.9	92.9	99.4	361.7	372.7	392.1	129.7	132.7	136.0
Riverside-San Bernardino	29.6	29.8	30.3	208.7	221.5	232.6	167.3	171.6	174.5
Sacramento	39.3	42.2	47.3	167.1	173.9	181.7	166.7	169.1	170.5
Salinas	6.1	5.9	5.9	31.2	32.9	34.1	26.7	28.1	29.2
San Diego	57.4	60.9	64.2	321.2	339.3	360.4	190.1	192.0	194.8
San Francisco	98.1	103.0	107.9	341.8	358.2	373.9	124.1	124.0	122.6
San Jose	30.0	30.6	32.1	283.9	301.8	316.9	87.4	88.5	88.6
Santa Barbara-Santa Maria-Lompoc	7.1	7.2	7.6	45.3	46.5	47.3	29.7	30.9	31.9
Santa Rosa	9.5	9.6	10.1	44.4	47.4	49.7	25.0	25.2	25.6
Stockton-Lodi	8.3	8.6	8.5	40.2	41.3	43.4	33.6	34.3	34.8
Vallejo-Fairfield-Napa	5.6	5.9	6.1	38.1	39.6	41.4	30.9	30.8	31.7
Ventura	11.7	12.6	13.5	71.0	72.4	76.5	43.4	43.3	43.0
Colorado	119.0	127.4	135.2	563.8	595.5	618.3	308.7	315.6	321.7
Boulder-Longmont	5.3	5.5	6.0	46.3	49.6	52.4	25.5	25.9	26.1
Colorado Springs	10.6	11.7	12.7	68.2	71.9	74.7	33.8	34.8	35.6
Denver	78.9	84.1	89.1	305.3	324.7	338.1	140.8	144.2	146.9
Connecticut	131.7	132.1	136.0	480.5	495.0	512.5	222.8	225.7	227.4
Bridgeport	10.3	10.3	10.5	56.6	59.1	61.0	20.0	20.6	21.1
Danbury	4.0	4.4	4.7	23.7	24.5	25.2	9.3	9.9	10.2
Hartford	70.8	70.5	70.5	165.3	169.5	174.7	94.4	93.4	93.0
New Haven-Meriden	13.6	13.1	13.6	85.4	88.1	90.0	31.0	31.2	31.0
New London-Norwich	3.5	3.7	3.7	33.2	34.2	35.2	32.0	35.0	35.6
Stamford-Norwalk	22.5	23.3	25.0	68.6	71.6	75.1	17.5	17.6	17.9
Waterbury	4.3	4.0	3.6	25.2	26.3	26.8	12.5	12.3	12.2
Delaware	43.4	46.8	48.6	101.8	107.1	111.5	52.4	53.2	54.1
Dover	2.3	2.1	2.2	11.4	11.6	12.3	14.7	14.9	15.5
Wilmington-Newark	37.6	41.0	42.7	83.1	87.8	91.2	37.2	38.0	38.9
District of Columbia	28.7	28.4	29.0	262.8	269.1	273.6	240.5	233.2	227.0
Washington PMSA	131.4	135.2	140.2	906.2	952.4	1,001.0	595.3	584.1	582.1
Florida	394.0	408.4	430.3	2,117.2	2,254.9	2,415.2	928.4	942.2	957.3
Daytona Beach	6.6	6.5	6.9	50.6	52.2	55.4	23.1	22.9	22.6
Fort Lauderdale	43.7	44.6	48.3	203.6	214.6	225.2	82.1	83.8	85.0
Fort Myers-Cape Coral	8.5	8.8	8.9	47.8	49.0	51.7	23.4	24.7	25.2
Gainesville	4.9	5.1	5.2	30.8	32.4	35.2	38.0	38.4	38.5
Jacksonville	51.4	53.2	56.0	153.9	161.5	175.4	65.9	65.6	66.4
Lakeland-Winter Haven	7.8	7.9	8.6	44.9	46.9	49.7	24.7	25.2	25.8
Melbourne-Titusville-Palm Bay	5.8	6.0	6.2	59.2	63.2	65.7	24.5	24.5	24.7
Miami	66.4	67.2	66.1	299.0	312.8	322.7	132.1	135.4	137.9
Orlando	44.5	46.0	49.3	304.4	329.7	354.7	81.6	83.9	86.9
Pensacola	5.8	6.0	6.1	46.8	47.2	50.9	27.7	28.5	28.7
Sarasota-Bradenton	11.2	11.6	12.4	100.3	111.4	115.7	23.0	23.2	23.7
Tallahassee	5.5	5.8	6.3	37.2	39.0	41.7	57.6	57.8	58.6
Tampa-St. Petersburg-Clearwater	71.4	75.9	82.7	382.8	414.2	454.9	132.0	132.4	134.8
West Palm Beach-Boca Raton	28.7	31.0	34.0	157.4	169.4	189.9	52.8	53.8	54.3

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Total			Mining			Construction		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Georgia	3,527.4	3,614.4	3,740.4	7.8	7.8	7.8	164.0	168.0	182.0
Albany	58.9	59.4	59.2	(2)	(2)	(2)	3.9	3.5	3.4
Athens	71.1	71.7	73.5	(1)	(1)	(1)	2.5	2.6	2.8
Atlanta	1,903.2	1,959.1	2,036.1	1.6	1.6	1.6	90.9	93.8	101.8
Augusta-Aiken	191.1	192.6	196.0	.4	.4	.4	10.7	11.6	11.6
Columbus	112.8	115.7	118.5	(1)	(1)	(1)	5.1	5.3	5.4
Macon	144.7	147.4	148.6	1.2	1.2	1.1	6.1	6.2	6.2
Savannah	128.6	131.6	133.3	(1)	(1)	(1)	7.3	7.7	8.1
Hawaii	530.7	531.6	529.9	(1)	(1)	(1)	23.7	22.3	21.3
Honolulu	404.6	403.0	400.1	(1)	(1)	(1)	18.0	17.3	16.3
Idaho	492.9	509.9	522.1	3.1	3.1	3.0	30.6	31.9	32.3
Boise City	185.9	193.8	201.8	(1)	(1)	(1)	13.0	13.6	13.5
Illinois	5,684.7	5,772.1	5,893.7	12.5	11.6	10.8	224.0	230.8	237.6
Bloomington-Normal	76.5	79.3	83.5	(1)	(1)	(1)	2.4	2.6	3.0
Champaign-Urbana	96.7	96.8	97.5	(1)	(1)	(1)	3.1	3.2	3.5
Chicago	3,969.8	4,038.4	4,128.4	1.6	1.6	1.6	153.5	157.6	163.0
Davenport-Moline-Rock Island	173.9	178.4	182.3	(1)	(1)	(1)	8.7	9.2	9.3
Decatur	56.9	56.8	57.0	(1)	(1)	(1)	3.5	3.7	3.8
Kankakee	43.0	43.2	43.8	(1)	(1)	(1)	2.1	2.0	2.0
Peoria-Pekin	166.3	170.4	175.6	(1)	(1)	(1)	7.4	7.8	8.4
Rockford	174.5	176.5	178.1	(1)	(1)	(1)	6.7	6.8	7.1
Springfield	111.9	112.1	114.2	(1)	(1)	(1)	5.0	4.7	4.6
Indiana	2,814.4	2,858.6	2,917.8	6.3	6.8	6.9	134.2	140.7	145.4
Bloomington	63.0	64.5	64.2	(1)	(1)	(1)	3.0	3.0	2.9
Elkhart-Goshen	115.6	116.5	120.6	(1)	(1)	(1)	4.3	4.6	4.9
Evansville-Henderson	151.4	153.5	155.9	1.4	1.3	1.2	9.5	9.8	10.5
Fort Wayne	262.8	269.0	272.8	(1)	(1)	(1)	12.1	12.8	13.0
Gary	258.5	265.2	269.7	(1)	(1)	(1)	17.1	17.8	20.7
Indianapolis	811.1	828.9	850.2	.8	.8	.7	42.6	44.9	46.2
Kokomo	52.5	51.2	52.2	(1)	(1)	(1)	1.7	2.1	1.8
Lafayette	90.5	92.0	93.8	(1)	(1)	(1)	3.6	3.8	3.9
Muncie	59.5	59.6	59.1	(1)	(1)	(1)	2.5	2.5	2.4
South Bend	131.1	134.4	136.2	(1)	(1)	(1)	7.0	7.5	7.1
Terre Haute	69.0	67.4	67.2	.2	.2	.2	3.2	3.0	3.1
Iowa	1,383.4	1,407.0	1,446.4	2.1	2.1	2.2	58.2	59.9	62.2
Cedar Rapids	109.3	112.0	116.4	(1)	(1)	(1)	5.6	5.4	6.1
Des Moines	267.5	270.9	279.3	(1)	(1)	(1)	11.7	12.1	12.4
Dubuque	49.7	50.7	51.5	(1)	(1)	(1)	1.9	1.8	1.9
Iowa City	64.2	65.5	67.5	(1)	(1)	(1)	2.2	2.2	2.4
Sioux City	64.5	65.2	66.5	(1)	(1)	(1)	3.4	3.6	3.1
Waterloo-Cedar Falls	69.2	71.4	73.8	(1)	(1)	(1)	2.5	2.7	2.7
Kansas	1,226.7	1,268.2	1,312.2	7.9	8.2	7.4	56.7	58.8	61.6
Lawrence	44.1	46.0	47.7	(1)	(1)	(1)	2.0	2.1	2.2
Topeka	100.1	99.6	101.3	(1)	(1)	(1)	4.4	4.4	4.5
Wichita	264.4	275.3	286.0	1.4	1.4	1.3	13.7	14.0	14.7
Kentucky	1,671.7	1,711.2	1,753.1	23.0	23.1	23.2	77.2	81.8	84.1
Lexington	259.9	268.4	276.8	.2	.3	.3	12.1	13.1	13.4
Louisville	536.8	549.6	566.7	.6	.6	.6	26.7	28.9	29.2
Owensboro	42.2	43.1	44.2	.3	.3	.3	3.1	3.2	3.4
Louisiana	1,809.7	1,849.9	1,896.8	49.3	54.3	57.5	113.2	117.6	128.0
Alexandria	53.3	53.7	55.3	.1	.1	.1	3.2	3.2	3.4
Baton Rouge	276.6	281.3	292.6	.8	.9	1.0	30.8	30.9	33.6
Houma	69.0	74.7	79.8	6.0	7.2	7.4	3.2	3.6	4.4
Lafayette	152.8	160.7	167.2	13.6	15.5	18.0	8.1	8.9	9.6
Lake Charles	83.7	85.6	87.8	1.4	1.3	1.3	9.8	10.3	11.2
Monroe	67.3	68.0	69.9	.2	.2	.2	3.5	3.5	3.6
New Orleans	603.8	613.9	622.9	14.6	15.2	15.3	28.4	31.2	34.1
Shreveport-Bossier City	167.0	169.9	173.6	2.4	2.6	2.7	9.4	9.6	9.9
Maine	542.5	553.7	569.6	.1	.1	.1	23.2	23.3	24.8
Lewiston-Auburn	40.8	41.2	42.8	(2)	(2)	(2)	1.7	1.6	1.6
Portland	136.1	142.2	145.0	(2)	(2)	(2)	6.0	6.4	6.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Georgia	585.4	588.6	593.1	223.3	230.4	242.4	893.4	910.8	930.3
Albany	8.5	9.0	8.7	2.8	3.1	3.4	14.0	13.9	13.9
Athens	11.8	11.6	11.7	2.0	1.8	1.8	17.9	18.2	18.1
Atlanta	215.7	218.8	221.2	158.9	163.8	173.5	509.3	521.7	538.5
Augusta-Aiken	41.1	41.1	41.2	6.2	6.5	6.7	42.6	41.9	42.2
Columbus	21.3	21.7	21.9	3.9	4.0	4.1	25.3	26.1	26.0
Macon	20.0	20.3	19.7	5.2	5.4	5.5	33.7	34.0	33.8
Savannah	16.9	17.7	18.2	9.4	9.7	8.9	32.9	32.8	33.7
Hawaii	16.7	16.6	16.3	41.0	41.3	41.0	135.2	134.3	131.8
Honolulu	12.8	12.8	12.7	33.2	33.2	32.6	101.1	99.6	96.7
Idaho	72.9	74.6	76.2	23.4	24.3	25.4	125.2	129.1	132.4
Boise City	33.6	34.8	36.2	8.9	9.6	10.4	44.8	46.6	48.1
Illinois	969.7	973.1	977.4	332.5	338.7	346.9	1,307.0	1,320.1	1,334.0
Bloomington-Normal	8.7	8.7	8.7	2.9	2.9	3.2	17.4	17.6	17.9
Champaign-Urbana	11.9	11.6	11.3	2.5	2.6	2.6	21.4	21.4	21.0
Chicago	654.2	656.6	657.3	245.1	248.4	255.0	907.1	914.7	925.2
Davenport-Moline-Rock Island	29.3	30.5	31.7	9.2	9.5	10.1	47.5	47.4	48.0
Decatur	13.8	13.5	13.6	5.2	5.1	5.1	12.4	12.4	12.2
Kankakee	8.5	8.4	8.1	2.0	2.1	2.1	10.8	10.9	10.9
Peoria-Pekin	31.8	32.6	33.7	9.2	9.6	10.1	40.5	41.2	42.2
Rockford	52.6	52.7	53.1	8.7	9.1	9.1	36.8	37.0	36.8
Springfield	4.3	4.4	4.7	5.0	4.8	4.8	24.1	23.6	23.4
Indiana	676.0	676.7	683.6	139.8	140.3	144.1	677.9	680.8	687.6
Bloomington	9.9	10.0	9.5	1.8	1.9	1.9	14.6	14.7	14.7
Elkhart-Goshen	58.0	58.2	60.8	3.3	2.9	2.9	21.8	22.2	22.5
Evansville-Henderson	32.2	32.4	32.8	7.2	7.2	7.4	37.4	38.1	38.3
Fort Wayne	73.6	75.1	75.8	12.6	12.8	13.1	63.0	64.0	64.3
Gary	51.2	50.3	50.4	15.4	15.5	14.7	62.7	63.4	62.7
Indianapolis	125.8	127.3	128.5	49.4	50.5	52.8	214.5	215.4	218.9
Kokomo	21.5	20.5	20.6	1.3	1.2	1.2	11.3	11.1	11.5
Lafayette	22.1	22.3	22.4	2.3	2.3	2.3	19.1	19.0	19.2
Muncie	11.1	11.0	10.4	3.8	3.3	3.5	13.6	13.7	13.8
South Bend	22.3	22.3	22.6	5.7	5.6	5.8	34.0	34.6	34.5
Terre Haute	12.1	11.8	12.0	3.2	3.0	3.0	20.3	19.1	18.6
Iowa	248.7	253.3	261.6	63.3	65.7	69.2	342.3	345.6	353.9
Cedar Rapids	20.7	21.6	22.2	7.6	8.0	8.4	24.8	25.3	25.5
Des Moines	25.0	25.0	25.0	13.2	13.6	14.5	71.1	70.7	72.3
Dubuque	11.4	11.9	12.1	2.1	2.1	2.0	12.1	12.2	12.4
Iowa City	4.8	4.8	5.1	2.1	2.2	2.1	12.6	13.0	13.4
Sioux City	13.0	12.8	13.6	3.9	3.9	3.9	16.0	16.0	16.2
Waterloo-Cedar Falls	14.4	14.8	15.1	2.1	2.4	2.6	16.6	16.7	17.2
Kansas	196.7	206.6	213.4	70.1	72.2	74.7	302.3	309.0	318.4
Lawrence	5.2	5.4	5.5	1.2	1.2	1.3	11.5	11.7	11.9
Topeka	10.2	9.8	9.9	6.4	6.3	5.8	21.7	21.5	22.1
Wichita	62.3	69.5	73.9	10.4	10.8	10.9	61.6	61.9	63.6
Kentucky	311.7	316.8	320.9	94.0	97.0	101.6	401.5	409.2	416.4
Lexington	44.0	46.5	49.2	10.4	10.8	11.1	59.5	60.7	62.3
Louisville	88.4	88.0	88.8	38.7	40.0	42.5	132.8	135.2	138.0
Owensboro	6.9	7.0	7.0	2.1	2.2	2.3	10.8	10.9	11.1
Louisiana	188.6	191.1	191.7	108.5	110.3	113.6	422.4	430.6	442.3
Alexandria	3.4	3.4	3.6	2.8	2.7	2.8	11.9	12.3	13.2
Baton Rouge	24.3	24.4	24.4	12.6	12.5	13.1	63.8	66.0	69.4
Houma	6.1	7.3	8.6	7.1	8.1	8.8	16.8	17.5	18.4
Lafayette	15.6	16.0	14.9	9.2	9.7	10.1	39.5	41.2	43.2
Lake Charles	11.5	11.8	12.0	4.3	4.4	4.6	17.8	18.2	18.6
Monroe	8.2	8.0	7.8	3.8	3.7	3.7	16.8	16.9	17.3
New Orleans	47.5	48.9	49.3	42.0	41.8	41.6	150.2	151.8	153.8
Shreveport-Bossier City	19.7	19.2	18.8	8.3	8.3	8.5	38.4	39.0	39.7
Maine	88.3	87.8	86.9	22.6	23.1	23.6	137.2	139.4	143.1
Lewiston-Auburn	7.8	7.8	7.9	1.7	1.7	1.7	10.4	10.5	10.9
Portland	14.2	15.0	14.8	6.2	6.6	6.8	39.8	41.1	41.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Finance, insurance, and real estate			Services			Government		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Georgia	180.5	187.2	199.7	903.4	944.4	999.3	569.5	577.3	585.9
Albany	2.2	2.1	2.0	14.8	15.3	15.0	12.6	12.6	12.8
Athens	2.2	2.2	2.4	15.1	15.6	16.2	19.8	19.7	20.5
Atlanta	121.9	126.7	134.9	554.7	578.0	608.3	250.2	254.7	256.4
Augusta-Aiken	6.2	6.0	6.3	44.7	45.9	47.4	39.2	39.3	40.3
Columbus	7.6	8.0	8.3	29.3	30.1	32.3	20.4	20.4	20.6
Macon	8.2	8.4	9.0	37.7	38.9	39.4	32.7	33.1	33.9
Savannah	4.3	4.4	4.6	37.0	38.6	39.1	20.7	20.7	20.8
Hawaii	36.9	36.2	35.5	166.7	169.2	172.0	110.6	111.7	112.2
Honolulu	29.8	29.1	28.4	120.8	121.2	123.3	89.0	89.7	90.1
Idaho	25.2	25.4	22.8	115.5	121.7	127.2	97.0	100.0	102.8
Boise City	11.2	11.0	11.0	45.9	48.8	51.6	28.5	29.5	31.2
Illinois	387.6	397.4	404.9	1,642.2	1,692.1	1,767.2	809.4	808.3	814.9
Bloomington-Normal	13.5	14.1	15.8	18.5	19.8	20.9	13.2	13.6	14.1
Champaign-Urbana	3.4	3.7	3.9	20.2	21.0	21.6	34.1	33.4	33.6
Chicago	302.7	310.6	315.0	1,216.5	1,258.4	1,318.0	489.0	490.4	493.2
Davenport-Moline-Rock Island	8.0	8.1	8.2	45.2	47.1	48.5	26.0	26.7	26.5
Decatur	2.0	2.0	2.0	13.7	13.6	13.6	6.5	6.6	6.6
Kankakee	1.7	1.7	1.7	11.3	11.4	12.1	6.8	6.8	6.9
Peoria-Pekin	7.9	7.8	7.7	51.3	52.6	54.4	18.2	18.9	19.1
Rockford	7.3	7.4	7.3	45.3	46.0	47.0	17.2	17.5	17.7
Springfield	7.8	7.9	7.9	32.0	32.8	34.7	33.7	33.8	34.0
Indiana	134.3	138.8	141.3	655.0	682.4	708.6	391.0	392.0	400.3
Bloomington	2.4	2.4	2.4	12.4	12.8	13.0	18.9	19.7	19.9
Elkhart-Goshen	2.8	2.9	2.8	18.3	18.8	18.6	7.1	7.1	8.0
Evansville-Henderson	7.2	7.2	7.2	41.8	42.5	43.5	14.7	15.0	15.1
Fort Wayne	14.4	14.9	14.8	61.0	62.9	65.7	26.2	26.6	25.9
Gary	9.3	9.2	9.2	67.1	72.4	73.9	35.8	36.7	38.0
Indianapolis	58.5	62.4	63.9	212.4	223.9	232.1	107.0	103.7	107.2
Kokomo	1.5	1.5	1.5	8.5	8.1	8.7	6.8	6.8	6.9
Lafayette	3.7	3.8	4.1	16.7	17.7	18.8	23.1	23.1	23.0
Muncie	1.8	1.8	1.8	15.1	15.7	15.7	11.7	11.6	11.5
South Bend	6.4	6.7	6.8	42.6	44.1	45.3	13.1	13.6	14.0
Terre Haute	2.3	2.3	2.3	16.3	16.5	16.6	11.4	11.4	11.4
Iowa	77.9	79.6	83.0	358.0	366.1	378.6	232.9	234.6	235.7
Cedar Rapids	5.7	5.9	6.3	33.9	34.9	35.9	11.0	11.0	12.0
Des Moines	36.7	37.4	39.5	75.2	77.1	81.3	34.7	35.1	34.3
Dubuque	1.7	1.7	1.9	16.9	17.3	17.6	3.6	3.7	3.7
Iowa City	1.8	1.9	2.1	13.6	14.0	14.9	27.3	27.4	27.4
Sioux City	2.6	2.6	2.7	18.3	18.9	19.3	7.4	7.5	7.7
Waterloo-Cedar Falls	3.2	3.3	3.2	18.0	19.1	20.6	12.3	12.4	12.4
Kansas	58.7	60.7	62.0	300.7	317.3	334.2	233.5	235.5	240.5
Lawrence	2.0	2.0	2.1	10.1	11.0	11.5	12.2	12.6	13.4
Topeka	6.7	6.8	6.8	27.0	28.3	29.9	23.8	22.6	22.3
Wichita	11.2	11.0	11.5	71.0	73.8	76.8	32.9	32.9	33.4
Kentucky	67.3	69.1	70.0	408.2	423.2	442.7	288.8	290.9	294.3
Lexington	9.9	10.1	10.3	69.2	72.1	75.4	54.6	55.0	54.8
Louisville	28.5	29.3	29.9	153.0	159.0	167.5	68.0	68.6	70.2
Owensboro	1.8	1.7	1.9	10.4	10.7	11.0	6.8	7.1	7.2
Louisiana	83.0	85.5	86.7	483.1	496.3	510.0	361.8	364.2	367.1
Alexandria	2.3	2.3	2.4	16.3	16.5	16.6	13.4	13.2	13.2
Baton Rouge	16.7	17.5	18.3	70.5	72.0	74.4	57.2	57.2	58.4
Houma	2.2	2.3	2.1	14.7	15.7	16.3	12.8	13.1	13.8
Lafayette	5.8	6.1	6.3	38.0	40.2	41.7	23.0	23.2	23.5
Lake Charles	2.7	2.7	2.6	23.2	23.9	24.3	13.0	13.1	13.4
Monroe	4.5	4.9	5.2	17.5	18.2	19.2	12.8	12.9	12.9
New Orleans	30.7	31.6	31.7	186.5	189.0	192.4	103.9	104.4	104.7
Shreveport-Bossier City	6.7	6.6	6.4	49.8	52.1	54.6	32.3	32.5	33.0
Maine	27.0	28.4	29.8	151.1	158.7	167.8	92.8	93.0	93.6
Lewiston-Auburn	2.0	2.1	2.2	12.6	12.8	13.7	4.7	4.7	4.8
Portland	12.0	12.3	12.9	40.3	42.9	44.2	17.6	17.9	18.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Total			Mining			Construction		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Maryland	2,211.2	2,267.1	2,324.1	1.2	1.3	1.3	131.2	138.3	141.5
Baltimore PMSA	1,138.8	1,168.2	1,187.9	.2	.2	.3	61.9	64.3	64.2
Baltimore City	402.3	403.2	401.2	(1)	(1)	(1)	12.3	12.4	12.1
Suburban Maryland-D.C.	814.3	831.4	858.0	(1)	(1)	(1)	55.9	59.8	62.6
Massachusetts	3,035.4	3,109.2	3,177.2	1.2	1.3	1.3	94.0	100.3	107.9
Barnstable-Yarmouth	55.5	56.5	58.4	(1)	(1)	(1)	2.4	2.6	2.7
Boston	1,860.7	1,905.5	1,945.2	.4	.4	.4	52.8	56.7	61.3
Brockton	91.5	94.7	96.4	(2)	(2)	(2)	3.1	3.3	3.6
Fitchburg-Leominster	50.6	51.8	52.3	(2)	(2)	(2)	1.6	1.6	1.7
Lawrence	146.9	149.3	152.0	(2)	(2)	(2)	5.5	5.6	5.8
Lowell	110.3	115.0	118.8	(1)	(1)	(1)	4.9	5.1	5.2
New Bedford	61.8	63.4	65.0	(2)	(2)	(2)	2.1	2.2	2.5
Pittsfield	41.4	41.7	42.3	.1	.1	.1	1.5	1.6	1.8
Springfield	245.3	250.9	253.1	.1	.1	.1	7.5	7.6	7.9
Worcester	216.8	222.9	229.7	.2	.2	.2	6.5	7.1	7.3
Michigan	4,360.7	4,448.2	4,514.4	7.6	7.6	7.9	168.0	179.8	186.2
Ann Arbor	262.0	266.3	272.9	(1)	(1)	(1)	9.2	10.1	10.7
Benton Harbor	71.1	70.9	71.0	(1)	(1)	(1)	2.2	2.4	2.5
Detroit	2,049.8	2,076.7	2,115.4	.8	.8	.9	73.0	78.0	83.4
Flint	182.2	182.4	175.6	(1)	(1)	(1)	6.7	7.0	7.7
Grand Rapids-Muskegon-Holland ..	532.5	550.6	566.1	(1)	(1)	(1)	23.6	24.9	26.6
Jackson	60.3	60.5	61.3	(1)	(1)	(1)	2.2	2.4	2.5
Kalamazoo-Battle Creek	207.5	208.9	211.2	(1)	(1)	(1)	7.8	8.3	8.7
Lansing-East Lansing	229.7	232.2	232.3	(1)	(1)	(1)	8.1	8.6	9.0
Saginaw-Bay City-Midland	176.2	177.4	178.4	(1)	(1)	(1)	8.9	9.3	9.0
Minnesota	2,433.3	2,490.8	2,560.3	7.9	7.9	8.1	88.9	93.7	101.8
Duluth-Superior	108.4	110.8	113.5	5.1	5.1	4.9	3.7	4.0	4.3
Minneapolis-St. Paul	1,582.6	1,616.6	1,662.9	(2)	(2)	(2)	56.5	59.0	63.9
Rochester	70.3	73.8	78.0	(1)	(1)	(1)	2.5	2.9	3.2
St. Cloud	83.9	84.7	87.0	(1)	(1)	(1)	3.6	3.9	4.3
Mississippi	1,088.9	1,107.1	1,131.5	5.3	5.9	6.4	48.6	50.9	54.6
Jackson	215.1	220.7	226.1	(2)	(2)	(2)	10.6	11.1	11.1
Missouri	2,567.4	2,639.4	2,686.6	4.8	4.7	4.8	115.2	121.0	126.8
Kansas City	881.4	916.6	944.6	(1)	(1)	(1)	43.5	45.8	48.2
St. Louis	1,266.4	1,291.2	1,307.2	(1)	(1)	(1)	62.5	65.5	67.9
Springfield	155.6	160.3	163.7	(1)	(1)	(1)	6.6	6.8	7.0
Montana	360.3	364.9	372.9	5.4	5.4	5.2	17.1	17.7	18.8
Nebraska	834.8	854.3	875.3	1.2	1.2	1.2	36.6	38.2	41.0
Lincoln	142.6	145.6	147.9	(1)	(1)	(1)	6.0	6.4	6.8
Omaha	386.0	395.4	404.0	(1)	(1)	(1)	17.5	18.1	20.1
Nevada	843.0	890.7	924.5	14.6	14.7	13.4	75.0	81.6	84.7
Las Vegas	592.3	631.5	661.3	2.1	2.2	2.1	58.5	64.3	67.5
Reno	172.4	177.5	182.0	.6	.7	.5	11.7	12.0	12.9
New Hampshire	553.6	570.2	587.5	.5	.5	.4	20.2	20.9	22.9
Manchester	93.5	96.7	99.9	(1)	(1)	(1)	4.0	4.3	4.6
Nashua	87.8	91.3	93.4	(1)	(1)	(1)	2.8	2.8	3.1
Portsmouth-Rochester	112.0	115.1	116.8	(1)	(1)	(1)	3.3	3.4	3.8
New Jersey	3,638.9	3,724.6	3,800.8	1.9	1.9	2.0	124.2	130.7	135.0
Atlantic-Cape May	176.0	180.6	182.2	(1)	(1)	(1)	6.7	7.3	6.6
Bergen-Passaic	625.4	638.3	654.8	(1)	(1)	(1)	21.4	22.2	23.2
Camden	457.1	469.8	484.0	(1)	(1)	(1)	19.9	21.5	22.5
Jersey City	238.7	240.7	244.1	(1)	(1)	(1)	3.9	4.5	5.1
Middlesex-Somerset-Hunterdon ..	583.2	606.7	619.9	.5	.5	.5	18.5	18.9	19.3
Monmouth-Ocean	354.1	362.4	368.7	(1)	(1)	(1)	17.0	17.8	18.4
Newark	930.3	948.1	967.5	.7	.7	.8	29.6	31.2	32.5
Trenton	194.0	197.4	198.8	(1)	(1)	(1)	4.2	4.6	4.7
Vineland-Milville-Bridgeton	57.1	58.3	59.1	.3	.3	.3	1.9	2.0	2.1
New Mexico	694.6	708.5	721.0	15.5	15.7	15.1	43.1	42.7	43.5
Albuquerque	326.3	333.4	338.6	(1)	(1)	(1)	22.4	22.1	21.7
Las Cruces	49.9	51.1	52.6	(1)	(1)	(1)	3.3	3.2	3.2
Santa Fe	70.0	71.1	72.5	(1)	(1)	(1)	3.4	3.5	3.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Maryland	175.0	176.9	177.6	106.4	107.2	108.5	529.0	536.2	539.0
Baltimore PMSA	101.2	100.8	100.3	57.5	58.2	57.5	265.0	269.5	271.6
Baltimore City	32.3	31.2	30.1	19.9	19.9	19.7	64.7	63.8	63.3
Suburban Maryland-D.C.	37.0	38.7	39.4	34.2	34.4	35.7	196.3	198.5	199.0
Massachusetts	444.7	447.9	448.0	129.1	132.9	136.0	695.1	706.9	720.5
Barnstable-Yarmouth	2.1	2.0	2.1	2.9	2.9	3.0	18.9	19.2	19.8
Boston	220.6	222.7	223.8	80.6	82.4	84.4	403.5	411.2	416.9
Brockton	10.9	10.7	10.7	5.1	5.0	4.8	30.5	31.1	32.2
Fitchburg-Leominster	13.5	13.7	13.7	2.0	2.0	2.0	12.1	12.2	12.4
Lawrence	37.8	38.5	38.6	4.8	4.9	5.2	34.8	34.5	35.2
Lowell	27.8	28.4	28.8	6.4	6.7	7.1	23.4	24.4	25.1
New Bedford	13.6	13.4	13.2	2.4	3.3	3.6	16.1	16.2	16.8
Pittsfield	7.6	7.6	7.4	1.2	1.2	1.3	10.2	10.3	10.4
Springfield	38.9	38.8	38.8	9.5	9.7	9.9	57.0	58.5	59.2
Worcester	41.0	41.3	41.2	9.2	9.5	9.7	48.5	49.8	52.1
Michigan	971.7	966.3	965.7	170.4	173.5	178.1	1,025.2	1,046.0	1,066.5
Ann Arbor	53.1	52.6	52.6	6.0	6.4	6.5	52.0	53.4	55.0
Benton Harbor	20.5	19.8	19.5	2.9	2.9	2.9	15.9	15.8	16.0
Detroit	446.9	441.2	438.9	92.8	94.0	96.1	481.0	485.1	497.9
Flint	45.1	42.1	38.1	5.2	5.6	5.8	44.9	44.0	44.3
Grand Rapids-Muskegon-Holland	151.4	154.6	158.0	18.6	18.7	19.3	131.3	136.5	140.8
Jackson	12.8	12.8	12.6	3.6	3.5	3.5	15.4	15.5	15.7
Kalamazoo-Battle Creek	50.1	49.3	49.5	6.9	7.0	7.4	45.7	46.2	46.7
Lansing-East Lansing	30.1	30.0	28.4	6.2	6.1	6.1	50.2	51.3	52.3
Saginaw-Bay City-Midland	40.0	39.7	39.5	7.3	7.2	7.2	44.6	44.6	45.3
Minnesota	429.6	435.0	444.1	120.4	123.9	127.6	591.4	600.6	613.9
Duluth-Superior	8.2	8.3	8.5	6.6	7.1	7.6	27.7	27.5	27.7
Minneapolis-St. Paul	274.8	275.4	279.4	86.3	88.4	91.4	381.0	386.1	394.1
Rochester	10.5	11.7	13.7	2.0	2.2	2.4	14.4	14.6	15.3
St. Cloud	15.4	15.6	16.0	3.0	3.1	3.3	25.9	25.4	26.0
Mississippi	245.6	241.8	244.5	52.8	53.0	53.7	232.9	238.4	244.3
Jackson	21.1	20.6	20.3	15.1	15.5	16.4	51.2	53.3	54.8
Missouri	416.6	418.0	420.5	160.3	165.4	165.7	612.5	624.5	633.0
Kansas City	106.7	106.8	107.6	69.7	74.4	76.8	217.7	225.5	231.2
St. Louis	196.8	195.8	195.1	80.6	83.4	83.1	301.7	305.5	308.6
Springfield	23.6	23.7	23.7	10.4	10.6	11.0	44.9	45.0	45.6
Montana	23.9	24.1	24.5	20.8	21.1	21.6	98.4	98.8	100.4
Nebraska	113.6	116.4	118.8	50.2	53.6	56.1	207.8	208.9	212.1
Lincoln	16.7	17.2	17.9	9.1	9.3	9.8	30.6	30.6	30.9
Omaha	39.4	39.4	39.9	25.9	28.1	29.6	93.2	94.7	97.2
Nevada	38.7	40.7	42.0	42.7	45.6	47.8	169.3	180.2	189.2
Las Vegas	21.2	22.0	22.6	30.3	32.7	34.4	120.3	129.7	138.0
Reno	13.1	13.4	13.7	10.7	11.3	11.8	39.1	40.6	40.9
New Hampshire	104.4	107.2	108.3	19.3	19.4	20.4	143.0	148.6	152.3
Manchester	13.3	14.2	14.8	5.5	5.6	5.8	22.9	23.7	24.5
Nashua	27.1	27.7	27.8	2.2	2.2	2.7	21.9	22.4	22.9
Portsmouth-Rochester	18.9	18.9	18.7	3.9	3.9	3.9	29.2	30.7	30.8
New Jersey	483.5	481.9	478.0	250.1	256.1	260.3	853.8	871.3	885.8
Atlantic-Cape May	6.4	6.3	6.3	6.8	7.1	6.9	36.2	37.4	37.9
Bergen-Passaic	106.7	106.5	105.7	32.9	34.9	36.6	173.0	175.5	177.7
Camden	55.2	54.8	54.8	21.5	22.0	22.8	123.0	124.5	127.4
Jersey City	28.6	28.6	27.3	28.5	28.3	29.7	56.6	56.0	57.6
Middlesex-Somerset-Hunterdon	92.4	92.4	93.5	47.7	49.7	48.9	136.2	142.3	144.1
Monmouth-Ocean	21.3	21.2	20.6	20.6	20.4	20.0	96.5	98.9	99.2
Newark	135.4	135.1	135.1	78.6	80.4	82.4	185.6	189.4	193.7
Trenton	20.4	19.5	17.8	7.3	7.3	7.2	31.9	32.3	32.7
Vineland-Millville-Bridgeton	12.8	13.0	12.8	2.9	2.8	2.7	11.1	11.6	11.7
New Mexico	46.0	46.2	45.1	31.6	32.0	33.4	164.6	167.9	170.6
Albuquerque	29.4	29.3	28.7	15.2	15.5	16.2	79.0	80.8	81.8
Las Cruces	2.7	2.8	2.9	1.8	1.8	2.0	10.7	10.9	11.0
Santa Fe	2.0	2.1	2.0	1.3	1.2	1.3	15.1	15.2	15.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Finance, insurance, and real estate			Services			Government		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Maryland	128.8	131.2	134.2	719.1	755.4	787.2	420.6	420.8	434.7
Baltimore PMSA	71.9	72.8	74.0	373.0	391.8	405.1	208.1	210.6	215.1
Baltimore City	33.7	33.5	33.9	151.8	153.8	155.5	87.8	88.6	86.6
Suburban Maryland-D.C.	48.4	50.0	51.0	272.3	285.7	300.8	170.2	164.4	169.4
Massachusetts	208.2	212.2	216.8	1,063.2	1,103.1	1,134.5	400.0	404.6	412.1
Barnstable-Yarmouth	3.3	3.2	3.0	18.5	19.2	20.2	7.4	7.4	7.7
Boston	154.4	158.0	162.8	721.7	746.3	764.3	226.7	227.8	231.3
Brockton	3.0	3.2	3.1	23.4	25.2	25.7	15.5	16.2	16.4
Fitchburg-Leominster	1.5	1.5	1.5	12.7	13.2	13.0	7.2	7.6	8.0
Lawrence	4.6	4.5	4.6	41.8	43.2	43.8	17.6	18.1	18.8
Lowell	3.8	3.6	3.4	29.9	31.8	33.8	14.2	15.0	15.5
New Bedford	1.9	1.8	1.7	16.0	16.6	17.3	9.7	9.8	9.9
Pittsfield	1.9	1.9	1.9	14.0	14.1	14.3	4.8	5.0	5.1
Springfield	12.5	12.8	12.9	75.1	78.3	79.0	44.7	45.1	45.4
Worcester	14.9	14.9	14.4	64.0	66.0	69.1	32.4	34.2	35.7
Michigan	202.4	205.7	209.5	1,171.6	1,221.9	1,242.1	643.8	647.4	658.5
Ann Arbor	9.8	9.8	10.1	62.5	64.9	67.0	69.4	69.3	71.1
Benton Harbor	2.6	2.6	2.3	18.7	19.0	19.2	8.4	8.5	8.6
Detroit	111.2	111.3	113.1	618.0	638.2	653.0	226.2	228.1	232.1
Flint	6.5	6.5	6.5	49.3	53.5	48.6	24.5	23.8	24.7
Grand Rapids-Muskegon-Holland ..	21.3	22.1	23.4	134.3	140.6	143.4	52.0	53.1	54.6
Jackson	1.9	1.9	1.9	14.2	14.6	14.9	10.1	10.0	10.2
Kalamazoo-Battle Creek	10.8	10.8	10.6	52.4	53.1	53.9	33.8	34.1	34.6
Lansing-East Lansing	13.1	13.7	14.1	55.5	56.6	57.5	66.6	66.0	64.9
Saginaw-Bay City-Midland	6.8	6.7	6.8	46.7	47.9	48.4	21.9	22.0	22.4
Minnesota	143.3	147.4	156.2	672.3	702.7	727.2	379.5	379.6	381.5
Duluth-Superior	3.5	3.4	3.4	30.4	31.9	33.3	23.2	23.6	23.7
Minneapolis-St. Paul	113.0	115.6	123.6	453.4	472.6	488.5	217.1	219.0	221.5
Rochester	2.3	2.3	2.4	31.6	32.9	34.0	7.0	7.2	7.1
St. Cloud	2.9	3.0	3.3	20.4	21.0	21.7	12.8	12.7	12.5
Mississippi	40.9	41.7	42.4	246.1	256.3	262.3	216.8	219.0	223.4
Jackson	15.2	15.6	16.1	56.1	58.8	60.2	45.2	45.1	46.4
Missouri	149.9	155.1	161.7	707.5	737.9	758.0	400.8	412.8	416.2
Kansas City	62.7	64.4	67.4	253.3	269.3	279.7	127.9	130.3	133.7
St. Louis	77.6	79.9	82.5	392.2	405.7	416.1	155.1	155.5	154.0
Springfield	6.6	7.0	7.5	44.6	47.9	49.0	18.9	19.2	19.8
Montana	16.1	16.4	17.0	101.7	103.9	107.1	77.0	77.4	78.3
Nebraska	53.1	54.9	57.4	220.8	228.9	237.8	151.4	152.2	150.9
Lincoln	8.9	9.2	9.8	36.0	37.8	39.9	35.4	35.1	32.8
Omaha	32.2	32.8	33.7	127.6	131.1	133.3	50.3	51.3	50.4
Nevada	37.9	40.3	43.4	363.6	381.0	392.3	101.2	106.5	111.6
Las Vegas	28.9	30.4	32.6	269.2	284.2	293.3	61.8	65.9	70.7
Reno	7.5	8.0	8.4	67.4	68.6	70.3	22.3	23.0	23.5
New Hampshire	28.3	29.8	31.2	160.1	165.0	172.8	77.9	78.8	79.2
Manchester	7.4	7.3	7.2	30.0	30.9	32.1	10.4	10.6	10.9
Nashua	3.6	4.7	5.2	22.4	23.2	23.6	8.0	8.3	8.2
Portsmouth-Rochester	6.1	6.3	6.6	28.9	30.4	31.8	21.8	21.5	21.1
New Jersey	232.1	239.6	248.1	1,122.7	1,172.8	1,221.2	570.6	570.3	570.4
Atlantic-Cape May	6.0	6.1	5.9	85.0	87.8	89.8	28.8	28.7	28.7
Bergen-Passaic	34.0	34.6	37.1	185.6	193.2	204.0	71.8	71.4	70.5
Camden	22.0	22.7	24.8	137.7	145.9	152.4	77.9	78.3	79.3
Jersey City	24.1	25.9	26.7	57.2	58.3	59.4	39.7	39.0	38.2
Middlesex-Somerset-Hunterdon ..	43.2	45.3	45.8	168.5	181.0	190.1	76.3	76.7	77.8
Monmouth-Ocean	17.7	18.1	18.5	117.6	122.2	128.0	63.4	63.9	64.0
Newark	70.4	71.8	74.4	286.9	296.9	306.6	143.4	142.6	142.0
Trenton	10.8	11.2	11.2	67.1	70.2	73.4	52.4	52.3	51.8
Vineland-Milville-Bridgeton	3.3	3.2	2.9	12.2	12.5	12.8	12.7	13.0	13.8
New Mexico	31.4	31.4	31.8	190.9	195.5	203.4	171.5	177.0	178.1
Albuquerque	17.0	16.8	17.0	101.1	104.7	107.6	62.3	64.2	65.6
Las Cruces	1.9	2.0	2.0	10.4	11.0	12.8	19.1	19.6	18.8
Santa Fe	3.2	3.2	3.5	20.6	21.0	21.9	24.4	24.9	25.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Total			Mining			Construction		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
New York	7,938.7	8,067.1	8,228.7	4.6	4.5	4.5	254.4	264.9	282.8
Albany-Schenectady-Troy	425.8	432.4	439.5	.5	.5	.5	14.1	15.0	16.1
Binghamton	110.2	113.1	114.8	(1)	(1)	(1)	3.7	3.8	3.9
Buffalo-Niagara Falls	539.4	544.3	544.8	(1)	(1)	(1)	20.6	20.1	19.7
Dutchess County	105.5	107.1	108.7	(1)	(1)	(1)	4.1	4.3	4.3
Elmira	42.1	42.8	43.7	(1)	(1)	(1)	1.4	1.6	1.8
Glens Falls	49.5	49.4	49.6	(1)	(1)	(1)	2.0	1.9	2.0
Nassau-Suffolk	1,101.1	1,121.1	1,149.1	(1)	(1)	(1)	45.6	48.9	53.3
New York PMSA	3,871.1	3,952.5	4,047.3	(1)	(1)	(1)	114.1	118.2	127.6
New York City	3,369.2	3,441.9	3,524.1	.3	.3	.3	91.4	93.8	100.8
Newburgh	118.8	121.1	123.0	(1)	(1)	(1)	4.2	4.2	4.3
Rochester	527.1	531.5	537.8	.6	.4	.4	16.4	17.5	18.8
Rockland County	98.8	100.6	104.5	(1)	(1)	(1)	3.4	3.8	4.5
Syracuse	333.4	335.8	339.7	(1)	(1)	(1)	12.5	12.8	13.2
Utica-Rome	126.3	127.1	129.7	(1)	(1)	(1)	3.0	3.4	3.5
Westchester County	383.4	389.5	397.3	(1)	(1)	(1)	17.4	18.7	20.4
North Carolina	3,546.5	3,663.2	3,772.4	3.8	4.0	4.0	188.7	203.8	214.0
Asheville	104.2	107.8	110.3	(1)	(1)	(1)	5.7	5.9	6.3
Charlotte-Gastonia-Rock Hill	730.1	753.7	778.3	(1)	(1)	(1)	43.3	46.2	48.7
Greensboro-Winston-Salem-High Point	617.8	632.4	647.8	(1)	(1)	(1)	29.0	31.2	33.2
Raleigh-Durham-Chapel Hill	583.8	613.7	653.0	(1)	(1)	(1)	30.4	34.4	37.7
North Dakota	308.7	314.1	317.7	4.1	4.2	4.0	14.9	15.0	15.2
Bismarck	47.1	48.7	49.5	(1)	(1)	(1)	2.5	2.6	2.6
Fargo-Moorhead	91.9	96.0	98.8	(1)	(1)	(1)	5.2	5.5	5.7
Grand Forks	48.2	47.4	48.2	(1)	(1)	(1)	2.3	2.7	3.1
Ohio	5,296.4	5,392.4	5,474.7	13.6	13.4	13.2	213.9	223.1	227.3
Akron	318.8	322.1	323.7	.4	.5	.5	12.5	13.0	13.5
Canton-Massillon	178.5	180.7	183.5	.7	.6	.6	8.1	8.4	8.9
Cincinnati	823.4	843.8	862.9	.7	.7	.7	36.9	39.0	38.9
Cleveland-Lorain-Elyria	1,118.7	1,137.3	1,152.0	.9	.9	.9	41.9	44.2	44.4
Columbus	796.0	818.1	836.2	.7	.6	.6	32.8	34.7	35.5
Dayton-Springfield	467.7	474.8	476.1	.4	.4	.4	16.7	17.0	17.4
Hamilton-Middletown	112.4	118.9	122.6	(1)	(1)	(1)	6.3	6.8	7.4
Lima	76.6	77.1	77.3	(1)	(1)	(1)	3.5	3.7	3.9
Mansfield	79.6	80.1	80.1	(1)	(1)	(1)	2.5	2.6	2.6
Steubenville-Weirton	50.4	49.1	51.5	.4	.4	.4	1.6	1.7	1.8
Toledo	313.5	317.3	321.4	.2	.2	.2	14.8	15.0	15.3
Youngstown-Warren	241.7	245.8	247.2	.6	.5	.5	9.5	10.0	10.3
Oklahoma	1,353.5	1,392.5	1,441.4	31.6	32.1	32.1	50.3	51.2	54.2
Enid	23.7	24.3	24.6	1.0	1.1	.8	1.0	1.0	1.0
Lawton	37.5	37.5	38.2	.1	.1	.1	1.4	1.2	1.4
Oklahoma City	492.1	499.9	512.8	7.0	7.2	7.2	18.6	18.9	19.5
Tulsa	360.6	373.7	392.9	7.7	7.7	7.8	14.2	14.8	16.2
Oregon	1,474.6	1,526.4	1,556.6	1.8	1.8	1.8	77.6	81.5	82.5
Eugene-Springfield	133.1	136.8	140.1	.2	.2	.2	6.6	7.3	7.3
Medford-Ashland	65.6	68.0	69.8	.1	.1	.1	2.9	3.2	3.3
Portland-Vancouver	879.0	916.7	938.6	1.0	1.1	1.2	51.1	54.0	54.1
Salem	128.4	131.4	134.5	.2	.3	.3	6.9	7.5	7.9
Pennsylvania	5,306.2	5,406.5	5,496.0	19.5	20.4	20.9	202.8	213.0	219.4
Allentown Bethlehem-Easton	259.0	266.6	273.1	(2)	(2)	(2)	10.1	10.5	10.8
Altoona	56.7	58.0	58.8	(1)	(1)	(1)	2.5	2.5	2.7
Erie	127.5	129.0	131.0	(1)	(1)	(1)	4.4	4.4	4.6
Harrisburg-Lebanon-Carlisle	342.9	350.9	357.9	(1)	(1)	(1)	12.7	13.0	13.9
Johnstown	87.2	87.2	87.2	(1)	(1)	(1)	4.5	4.5	4.4
Lancaster	206.3	213.0	216.9	.4	.4	.4	11.6	12.1	12.7
Philadelphia PMSA	2,218.2	2,264.7	2,315.6	(1)	(1)	(1)	80.1	87.2	90.4
Philadelphia City	673.5	667.5	674.3	(1)	(1)	(1)	10.4	11.1	10.8
Pittsburgh	1,059.5	1,074.9	1,091.1	4.1	4.5	4.6	47.4	49.1	49.8
Reading	160.4	164.8	166.2	(1)	(1)	(1)	6.7	7.1	7.0
Scranton-Wilkes-Barre-Hazleton	271.7	274.7	277.8	.5	.4	.4	10.2	10.5	10.5
Sharon	46.7	47.4	48.9	(1)	(1)	(1)	1.5	1.5	1.6
State College	65.6	67.1	68.7	(1)	(1)	(1)	2.5	2.3	2.3
Williamsport	52.3	53.2	53.7	(1)	(1)	(1)	2.3	2.2	2.1
York	161.1	162.6	164.1	.4	.4	.4	7.8	8.2	8.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
New York	924.4	920.8	917.1	403.7	407.8	412.2	1,620.4	1,641.1	1,662.2
Albany-Schenectady-Troy	39.4	38.6	39.1	16.3	17.1	17.4	91.3	91.9	91.7
Binghamton	24.5	24.8	25.2	4.7	4.9	5.0	23.2	24.0	24.7
Buffalo-Niagara Falls	89.8	89.2	88.5	25.8	25.5	25.7	129.5	130.4	129.8
Dutchess County	17.2	17.6	17.9	3.9	3.7	4.0	20.5	20.3	20.6
Elmira	9.4	9.7	9.8	1.5	1.5	1.6	10.6	10.5	10.3
Glens Falls	8.6	8.3	8.0	1.4	1.5	1.5	11.4	11.5	11.5
Nassau-Suffolk	111.8	112.4	113.9	49.6	51.9	52.6	284.5	289.6	293.5
New York PMSA	320.3	317.2	313.7	230.8	232.4	234.0	676.5	689.2	703.1
New York City	266.4	264.8	261.9	204.9	205.5	206.9	565.0	577.7	588.0
Newburgh	12.2	11.9	12.1	6.8	6.7	7.1	32.5	33.5	34.2
Rochester	127.8	127.6	123.6	17.7	16.6	17.3	110.3	111.6	113.7
Rockland County	11.8	12.1	11.8	6.0	6.2	6.0	22.4	22.4	24.4
Syracuse	49.1	49.1	50.4	18.5	19.3	19.5	78.3	78.2	77.6
Utica-Rome	19.9	19.7	20.2	3.9	3.9	3.8	27.0	26.5	26.3
Westchester County	40.3	38.5	38.0	19.3	20.0	20.5	85.0	84.9	86.3
North Carolina	844.9	833.7	825.3	168.1	170.3	171.7	813.0	838.7	852.4
Asheville	20.1	19.8	19.5	4.7	4.6	4.8	25.7	27.0	27.1
Charlotte-Gastonia-Rock Hill	147.0	144.4	142.0	53.0	53.4	50.6	177.1	181.6	184.2
Greensboro--Winston-Salem--High Point	166.0	164.6	162.9	33.2	33.0	35.5	141.8	143.9	145.4
Raleigh-Durham-Chapel Hill	83.4	82.5	84.7	25.7	26.5	28.4	122.2	130.9	136.3
North Dakota	21.6	23.4	24.1	18.3	18.0	17.8	80.2	80.6	80.9
Bismarck	2.5	2.7	2.8	3.2	3.1	3.1	11.9	12.1	12.1
Fargo-Moorhead	7.4	8.1	8.1	5.5	5.3	5.1	26.7	27.2	27.9
Grand Forks	3.6	3.6	3.7	2.3	2.2	2.1	13.3	12.7	13.1
Ohio	1,093.9	1,091.8	1,094.6	231.7	234.3	241.4	1,295.1	1,309.7	1,324.7
Akron	65.3	65.0	65.2	14.6	14.7	15.0	79.0	80.3	80.3
Canton-Massillon	46.4	46.3	47.3	5.6	5.2	5.0	44.4	45.1	44.9
Cincinnati	140.9	140.3	142.5	43.6	44.8	47.3	215.2	216.8	220.4
Cleveland-Lorain-Elyria	225.1	223.1	222.8	45.5	45.4	46.1	265.8	270.7	273.3
Columbus	92.0	93.1	93.3	35.7	36.7	38.0	213.2	214.1	217.2
Dayton-Springfield	99.3	99.9	99.0	19.2	20.7	21.2	109.0	109.7	109.6
Hamilton-Middletown	21.2	21.6	21.9	4.6	4.9	4.8	31.3	32.2	32.7
Lima	20.0	19.5	19.8	2.9	3.1	3.3	18.2	18.2	18.2
Mansfield	22.5	23.0	23.1	4.0	3.6	3.5	18.1	18.2	18.2
Steubenville-Weirton	13.6	12.2	13.5	2.8	2.7	2.7	11.2	10.7	10.9
Toledo	61.0	60.9	60.4	14.3	13.8	14.5	78.4	78.9	79.1
Youngstown-Warren	58.8	58.5	56.3	10.0	10.4	10.8	61.5	62.3	62.6
Oklahoma	174.1	180.9	185.8	77.3	79.1	82.4	318.3	324.6	331.7
Enid	2.0	2.1	2.3	2.0	2.1	2.2	6.1	6.1	6.1
Lawton	3.7	3.7	3.8	1.8	1.7	1.6	8.9	9.1	9.0
Oklahoma City	52.0	53.3	54.6	23.5	23.9	24.0	118.3	119.0	120.9
Tulsa	55.0	56.8	58.2	28.5	29.8	32.6	86.1	88.3	91.2
Oregon	235.8	243.6	244.7	73.5	74.9	76.4	365.9	377.5	383.9
Eugene-Springfield	19.9	21.4	22.2	4.5	4.6	4.5	34.0	34.4	34.9
Medford-Ashland	9.1	9.3	9.2	3.3	3.3	3.4	19.5	20.1	20.5
Portland-Vancouver	142.0	147.3	148.9	50.8	52.4	53.9	218.3	227.7	233.2
Salem	17.9	17.9	17.8	3.6	3.6	3.8	27.6	27.8	28.5
Pennsylvania	929.6	938.1	944.5	273.6	278.9	285.7	1,200.9	1,217.0	1,230.5
Allentown Bethlehem-Easton	56.9	57.0	56.5	14.5	15.5	15.8	54.4	56.8	58.3
Altoona	10.0	10.1	10.1	4.3	4.3	4.4	15.0	15.5	15.7
Erie	34.1	34.1	34.4	4.7	4.9	4.8	28.8	29.0	29.0
Harrisburg-Lebanon-Carlisle	45.2	45.6	47.2	22.9	23.1	23.8	75.7	78.2	80.0
Johnstown	12.7	12.9	13.1	5.1	5.2	5.2	20.6	20.5	20.3
Lancaster	56.1	57.2	57.4	8.1	8.1	8.0	51.3	53.1	53.9
Philadelphia PMSA	305.2	305.7	305.8	105.6	107.0	109.9	493.3	499.0	506.8
Philadelphia City	60.2	58.7	57.7	32.9	33.6	34.1	112.6	110.3	112.5
Pittsburgh	134.4	137.3	140.4	66.1	66.4	67.6	256.2	256.8	257.9
Reading	43.1	44.2	42.9	7.3	8.0	8.5	37.6	38.7	38.5
Scranton--Wilkes-Barre--Hazleton	55.5	54.9	55.3	15.0	15.4	16.1	65.3	66.0	66.3
Sharon	11.1	11.1	11.9	2.0	1.9	1.9	12.0	12.3	12.4
State College	8.5	8.6	9.0	2.1	2.1	2.0	12.7	12.8	12.9
Williamsport	12.9	13.2	13.6	1.9	2.0	2.1	12.7	13.0	13.2
York	48.0	47.9	47.7	7.3	7.8	8.2	39.4	39.0	39.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Finance, insurance, and real estate			Services			Government		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
New York	717.9	722.1	735.6	2,612.8	2,699.1	2,799.4	1,400.6	1,406.9	1,414.9
Albany-Schenectady-Troy	25.5	25.3	25.9	129.5	134.8	139.6	109.2	109.0	109.2
Binghamton	3.8	3.7	3.8	28.8	30.3	30.4	21.4	21.6	21.9
Buffalo-Niagara Falls	28.1	29.0	29.4	158.3	163.0	164.6	87.3	87.0	87.2
Dutchess County	4.4	4.6	4.7	32.8	34.0	34.8	22.5	22.6	22.5
Elmira	1.4	1.3	1.2	10.5	10.9	11.7	7.3	7.4	7.3
Glens Falls	2.2	2.1	2.2	14.2	14.4	14.4	9.7	9.8	10.0
Nassau-Suffolk	78.6	78.9	79.3	352.2	360.6	374.7	178.9	178.7	181.8
New York PMSA	501.0	506.4	517.6	1,400.3	1,454.8	1,511.7	628.2	634.2	639.6
New York City	468.5	473.4	484.0	1,226.7	1,274.9	1,325.8	546.0	551.5	556.3
Newburgh	5.4	5.5	5.7	31.0	31.7	32.7	26.8	27.5	26.9
Rochester	22.9	21.3	20.9	153.4	157.7	163.1	78.1	78.7	80.0
Rockland County	5.0	5.0	5.1	30.8	31.8	33.6	19.4	19.4	19.1
Syracuse	18.1	17.8	17.9	96.9	97.5	99.4	60.0	61.1	61.7
Utica-Rome	7.7	7.7	8.2	36.8	38.1	39.8	28.0	27.8	27.9
Westchester County	26.3	26.7	26.9	136.6	141.7	145.3	58.5	59.1	59.8
North Carolina	155.3	167.3	178.1	811.4	869.0	932.6	561.4	576.3	594.2
Asheville	3.1	3.3	3.6	29.8	31.8	33.1	15.1	15.4	15.9
Charlotte-Gastonia-Rock Hill	50.2	54.2	59.9	175.4	185.8	201.3	84.1	88.1	91.8
Greensboro--Winston-Salem--High Point	31.2	32.4	34.2	151.9	161.1	168.0	64.8	66.2	68.6
Raleigh-Durham-Chapel Hill	27.9	29.2	30.1	177.7	189.8	208.7	116.5	120.5	126.9
North Dakota	14.3	14.8	15.6	84.3	87.5	89.5	70.8	70.8	70.6
Bismarck	2.3	2.3	2.4	15.0	15.7	16.1	9.8	10.2	10.5
Fargo-Moorhead	5.7	6.1	6.8	27.4	29.4	30.3	14.0	14.4	14.9
Grand Forks	1.6	1.5	1.5	13.2	12.2	12.2	12.0	12.4	12.5
Ohio	278.0	288.6	298.8	1,417.8	1,473.7	1,511.8	752.3	757.9	762.9
Akron	12.6	13.0	13.2	87.7	88.6	88.5	46.7	47.2	47.6
Canton-Massillon	5.8	5.9	6.4	48.3	49.6	50.6	19.4	19.7	19.9
Cincinnati	52.5	52.9	55.2	232.5	250.0	256.7	101.2	99.3	101.3
Cleveland-Lorain-Elyria	71.8	74.2	75.6	324.6	336.0	345.7	143.0	142.8	143.2
Columbus	67.0	72.2	75.2	221.4	230.1	238.9	133.3	136.6	137.5
Dayton-Springfield	17.7	18.1	18.9	133.1	137.5	139.0	72.4	71.6	70.6
Hamilton-Middletown	4.4	6.4	6.5	25.4	27.0	29.2	19.3	20.0	20.2
Lima	2.1	2.1	2.1	19.7	20.3	19.8	10.2	10.4	10.4
Mansfield	2.9	2.8	2.6	19.2	19.4	19.5	10.4	10.5	10.7
Steubenville-Weirton	1.4	1.5	1.5	13.0	13.5	14.2	6.3	6.4	6.4
Toledo	10.7	11.0	11.2	87.9	90.8	93.6	46.2	46.7	47.1
Youngstown-Warren	9.3	9.4	9.4	61.9	64.1	65.9	30.1	30.6	31.4
Oklahoma	67.2	69.5	73.2	363.3	379.0	404.3	271.4	276.2	277.8
Enid	1.0	1.0	1.1	6.6	6.9	7.0	4.2	4.1	4.0
Lawton	1.8	1.7	1.8	8.3	8.3	8.4	11.6	11.8	12.1
Oklahoma City	27.8	28.7	29.8	143.6	146.6	155.1	101.2	102.4	101.7
Tulsa	19.6	20.1	21.4	107.9	114.3	123.1	41.7	41.9	42.5
Oregon	91.0	94.8	95.2	382.6	402.8	416.8	246.6	249.5	255.4
Eugene-Springfield	7.1	7.2	7.3	36.1	36.9	38.4	25.0	24.8	25.3
Medford-Ashland	3.1	3.1	3.1	17.3	18.4	19.3	10.3	10.5	10.9
Portland-Vancouver	63.6	66.7	67.4	238.6	252.5	261.3	113.6	114.8	118.4
Salem	6.5	6.6	6.7	30.1	31.0	32.0	35.7	36.7	37.6
Pennsylvania	308.7	312.8	318.2	1,651.4	1,714.6	1,773.1	719.8	711.8	703.8
Allentown Bethlehem-Easton	13.5	13.2	13.8	79.6	83.2	87.1	29.9	30.4	30.8
Altoona	2.0	1.8	1.7	14.9	15.7	16.2	8.0	8.0	8.1
Erie	5.6	5.4	5.4	35.1	36.1	37.3	15.0	15.3	15.4
Harrisburg-Lebanon-Carlisle	25.0	25.6	25.3	90.6	96.0	101.5	70.9	69.4	66.3
Johnstown	4.4	4.2	4.1	26.1	26.0	26.1	13.8	13.9	14.0
Lancaster	9.0	9.3	9.7	51.6	54.5	56.4	18.3	18.3	18.3
Philadelphia PMSA	154.6	157.9	161.6	777.4	812.5	848.5	302.0	295.5	292.7
Philadelphia City	53.4	53.0	52.3	276.9	282.2	291.8	127.3	118.7	115.1
Pittsburgh	62.1	62.7	64.8	365.9	373.6	383.2	123.3	124.6	122.9
Reading	9.0	8.5	8.3	38.0	39.8	42.0	18.7	18.6	18.8
Scranton--Wilkes-Barre--Hazleton	13.6	13.8	13.9	76.8	78.9	80.5	34.8	34.9	34.9
Sharon	1.5	1.5	1.5	13.1	13.5	14.0	5.5	5.6	5.6
State College	2.0	2.0	2.1	13.7	14.0	14.5	24.1	25.3	26.0
Williamsport	2.3	2.1	2.1	14.1	14.5	14.5	6.1	6.2	6.1
York	5.1	5.1	5.2	37.2	38.2	38.4	16.0	16.1	16.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Total			Mining			Construction		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Rhode Island	441.6	450.0	458.0	0.2	0.2	0.2	13.9	14.6	15.4
Providence-Fall River-Warwick	497.9	505.7	515.8	.2	.2	.2	15.5	16.2	17.4
South Carolina	1,675.2	1,720.2	1,787.1	1.8	1.9	1.8	94.3	99.8	105.8
Charleston-North Charleston	212.1	221.8	233.6	(1)	(1)	(1)	14.0	15.9	17.1
Columbia	273.0	280.8	291.3	(1)	(1)	(1)	14.3	15.5	16.0
Greenville-Spartanburg-Anderson	448.0	457.5	469.1	(1)	(1)	(1)	28.4	29.8	30.9
South Dakota	348.7	354.9	361.3	2.3	2.2	1.7	14.7	15.2	16.0
Rapid City	45.6	46.4	48.0	(1)	(1)	(1)	2.9	3.1	2.9
Sioux Falls	98.9	102.1	105.6	(1)	(1)	(1)	4.6	4.8	5.2
Tennessee	2,533.4	2,584.0	2,636.6	4.6	4.6	4.3	113.1	118.1	122.8
Chattanooga	219.8	219.6	219.2	(1)	(1)	(1)	9.4	10.2	9.8
Johnson City-Kingsport-Bristol	196.5	199.0	196.1	(1)	(1)	(1)	10.4	11.0	11.1
Knoxville	314.2	318.8	324.0	.5	.6	.6	16.7	15.8	16.2
Memphis	545.5	563.3	579.2	(1)	(1)	(1)	23.5	25.0	26.8
Nashville	609.4	630.2	649.7	(1)	(1)	(1)	29.6	31.1	32.4
Texas	8,256.1	8,608.0	8,939.0	156.3	165.4	166.8	435.4	460.3	495.7
Abilene	53.7	55.4	57.2	1.4	1.7	1.4	2.1	2.2	2.3
Amarillo	91.9	93.5	95.8	.7	.7	.7	4.4	4.7	4.6
Austin-San Marcos	540.9	566.3	599.2	1.2	1.3	1.3	27.8	29.8	33.1
Beaumont-Port Arthur	151.2	157.2	161.3	.7	.8	.8	12.6	15.3	16.5
Brazoria	71.9	73.3	75.3	1.3	1.4	1.5	8.8	9.6	11.0
Brownsville-Harlingen-San Benito	94.0	97.4	99.5	(1)	(1)	(1)	3.0	3.5	3.8
Bryan-College Station	64.9	68.0	71.8	.7	.9	.9	2.7	2.9	2.9
Corpus Christi	150.6	153.9	156.7	2.4	2.5	2.4	12.5	12.3	12.0
Dallas	1,663.3	1,756.8	1,834.9	11.8	11.7	11.6	74.7	82.4	89.7
El Paso	236.8	243.2	246.0	(1)	(1)	(1)	10.9	11.6	11.6
Ft. Worth-Arlington	679.7	708.0	739.4	4.3	4.4	4.6	32.6	35.3	38.4
Galveston-Texas City	87.1	87.4	89.4	.8	.8	.8	5.2	4.4	4.4
Houston	1,813.7	1,894.4	1,988.1	64.6	67.4	69.2	125.8	127.0	137.3
Killeen Temple	94.5	97.2	99.6	(1)	(1)	(1)	3.8	4.2	4.3
Laredo	56.6	60.4	63.8	3.0	3.2	2.4	2.2	2.1	2.3
Longview-Marshall	85.0	88.5	90.6	3.2	3.4	3.5	3.8	4.3	4.1
Lubbock	109.8	113.1	115.4	.1	.1	.1	4.1	4.2	4.2
McAllen-Edinburg-Mission	126.9	133.9	139.5	1.0	1.1	1.2	6.4	6.9	6.9
Odessa Midland	97.7	103.5	107.1	11.9	13.2	13.2	5.5	5.6	7.3
San Angelo	42.0	43.5	44.3	.6	.7	.6	1.8	1.9	1.9
San Antonio	636.4	661.5	681.9	1.8	1.9	1.8	31.9	34.2	35.5
Sherman-Denison	42.0	43.9	44.2	(1)	(1)	(1)	1.8	2.2	2.4
Texarkana	50.2	50.8	51.0	(1)	(1)	(1)	2.3	2.1	2.2
Tyler	73.5	76.7	79.3	1.4	1.6	1.6	2.7	2.9	3.2
Victoria	33.8	35.3	35.9	1.4	1.6	1.8	2.0	2.4	2.3
Waco	92.6	94.8	96.9	(1)	(1)	(1)	4.2	4.4	4.7
Wichita Falls	58.1	59.7	60.1	1.2	1.2	1.1	2.2	2.5	2.6
Utah	954.5	993.8	1,023.9	7.9	8.3	8.0	60.4	64.4	68.3
Provo-Orem	129.9	135.3	140.8	(1)	(1)	(1)	9.5	9.2	9.9
Salt Lake City-Ogden	643.0	668.8	687.1	3.0	3.0	2.8	39.2	43.1	44.8
Vermont	274.9	279.2	285.9	.6	.6	.6	12.5	12.9	14.1
Barre-Montpelier	30.4	30.2	30.7	(1)	(1)	(1)	1.4	1.4	1.5
Burlington	96.8	98.4	100.7	(1)	(1)	(1)	4.6	4.8	5.2
Virginia	3,136.0	3,231.8	3,309.7	10.9	11.3	10.6	175.9	186.1	188.8
Bristol	36.8	37.4	38.1	(1)	(1)	(1)	1.5	1.5	1.5
Charlottesville	78.1	80.7	83.6	(1)	(1)	(1)	4.2	4.3	4.3
Danville	44.6	45.5	45.5	(1)	(1)	(1)	2.2	2.4	2.5
Lynchburg	96.3	96.9	98.2	(1)	(1)	(1)	5.5	5.8	5.9
Norfolk-Virginia Beach-Newport News	643.5	667.2	678.4	(1)	(1)	(1)	39.7	40.5	39.9
Northern Virginia	955.4	999.5	1,036.6	.6	.7	.8	52.3	55.9	58.7
Richmond-Petersburg	508.3	524.8	534.0	.8	.7	.8	30.8	33.2	32.9
Roanoke	140.1	140.8	144.2	(1)	(1)	(1)	7.9	8.4	8.7
Washington	2,415.6	2,514.2	2,596.3	3.4	3.5	3.3	127.9	136.3	142.2
Seattle-Bellevue-Everett	1,225.5	1,294.0	1,351.1	.7	.7	.7	61.2	66.5	72.2
Spokane	181.5	184.7	188.9	(1)	(1)	(1)	10.8	10.5	10.2
Tacoma	221.6	229.5	235.0	.2	.2	.2	12.3	12.6	13.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Rhode Island	82.1	79.8	78.9	15.1	15.4	16.0	97.0	98.4	98.9
Providence-Fall River-Warwick	104.5	101.9	101.5	17.5	17.6	18.3	114.3	115.6	116.2
South Carolina	366.0	362.7	363.6	73.7	75.3	77.0	397.5	412.3	430.1
Charleston-North Charleston	20.6	21.5	22.2	11.1	12.3	12.9	54.0	55.1	58.1
Columbia	25.6	25.7	26.3	12.6	12.6	13.0	63.0	65.0	66.8
Greenville-Spartanburg-Anderson	125.1	122.6	121.4	20.0	20.6	20.7	112.2	116.1	119.8
South Dakota	47.8	49.4	49.5	16.3	16.3	16.6	87.7	88.3	89.5
Rapid City	4.2	4.4	4.6	1.9	1.9	2.0	13.9	13.9	14.0
Sioux Falls	13.4	13.9	14.3	6.3	6.6	6.8	25.7	25.9	26.6
Tennessee	519.3	517.6	514.7	145.2	150.8	157.6	594.4	610.2	623.6
Chattanooga	43.2	42.7	43.6	10.0	11.5	11.4	52.7	51.1	49.3
Johnson City-Kingsport-Bristol	53.8	52.7	49.8	7.9	7.9	7.7	44.2	45.0	45.1
Knoxville	48.2	49.1	48.3	14.0	14.3	14.2	82.3	85.1	87.3
Memphis	63.0	64.0	63.5	60.6	63.9	68.4	138.7	141.8	144.3
Nashville	96.5	96.3	95.6	31.2	31.1	32.3	147.2	152.6	158.2
Texas	1,056.2	1,083.9	1,106.6	490.2	513.6	541.8	1,986.3	2,048.0	2,107.3
Abilene	3.1	3.3	3.5	2.7	2.5	2.5	14.4	14.5	15.1
Amarillo	9.5	9.3	9.4	5.6	5.5	5.3	25.9	26.3	26.9
Austin-San Marcos	73.1	76.6	82.2	17.6	18.7	19.8	115.7	121.7	129.0
Beaumont-Port Arthur	24.4	24.8	25.9	8.2	8.2	8.1	35.4	35.9	36.5
Brazoria	16.5	16.3	15.6	2.8	2.7	2.8	13.9	14.4	14.8
Brownsville-Harlingen-San Benito	12.6	12.3	12.1	4.2	4.4	4.8	23.6	23.6	24.0
Bryan-College Station	3.6	4.0	4.6	1.3	1.4	1.5	14.4	14.7	15.2
Corpus Christi	13.5	13.3	13.4	6.5	6.5	6.6	35.1	35.9	36.2
Dallas	237.4	245.8	252.1	110.4	118.6	125.1	414.5	430.1	444.6
El Paso	44.6	43.6	42.2	12.9	13.3	13.9	56.4	57.5	58.7
Ft. Worth-Arlington	106.6	109.8	111.2	63.6	64.9	69.5	172.9	178.7	185.1
Galveston-Texas City	8.0	8.0	8.3	4.2	4.1	4.0	18.8	19.4	19.9
Houston	199.2	209.9	219.5	125.8	133.0	140.8	422.5	435.5	450.8
Killeen Temple	9.8	9.3	9.3	3.4	3.5	3.5	22.4	22.6	23.1
Laredo	1.4	1.5	1.7	0.7	10.0	11.0	15.6	16.2	16.9
Longview-Marshall	18.3	18.9	19.5	3.9	4.2	4.2	21.4	22.1	22.9
Lubbock	7.5	7.6	7.8	5.8	5.6	5.7	31.4	31.9	32.2
McAllen-Edinburg-Mission	13.1	12.9	12.4	4.5	4.8	5.2	35.3	37.0	38.5
Odessa Midland	6.9	7.4	7.4	4.1	4.2	4.1	26.6	27.5	28.3
San Angelo	5.3	5.3	5.0	2.2	2.4	2.8	10.3	10.3	10.3
San Antonio	49.6	50.1	51.7	30.3	30.8	32.4	157.3	161.1	164.9
Sherman-Denison	10.5	10.7	10.3	1.6	1.6	1.6	9.5	9.8	9.8
Texarkana	6.1	5.9	5.6	2.2	2.3	2.6	13.0	13.3	13.6
Tyler	11.4	11.1	10.9	3.4	3.7	3.8	18.9	19.4	20.4
Victoria	3.1	3.2	3.2	1.5	1.5	1.6	9.3	9.4	9.6
Waco	16.6	16.3	16.2	3.8	3.7	3.9	21.2	21.9	22.3
Wichita Falls	8.2	8.3	8.6	2.9	3.0	3.0	13.6	13.8	14.0
Utah	129.5	133.0	133.9	53.9	56.1	58.5	230.1	238.4	243.1
Provo-Orem	18.7	19.6	19.9	2.3	2.3	2.3	29.1	30.6	31.7
Salt Lake City-Ogden	81.6	82.1	82.9	42.2	44.1	46.2	157.6	162.8	166.3
Vermont	45.9	46.6	48.3	12.2	12.3	12.6	64.6	65.2	65.5
Barre-Montpelier	3.5	3.4	3.4	1.1	1.1	1.1	6.6	6.8	6.7
Burlington	17.8	17.9	18.8	4.6	4.7	4.7	22.0	22.3	22.3
Virginia	400.0	405.2	404.9	162.2	167.3	173.0	712.6	724.3	732.5
Bristol	10.2	9.8	9.2	1.3	1.4	1.3	9.9	10.1	10.7
Charlottesville	8.1	8.1	8.4	2.3	2.4	2.4	16.0	16.5	16.5
Danville	15.8	15.4	14.9	1.1	1.0	1.0	9.6	9.8	9.6
Lynchburg	25.8	25.4	25.4	3.6	3.6	3.6	21.3	20.7	20.6
Norfolk-Virginia Beach-Newport News	67.5	68.9	70.5	31.6	32.1	31.6	152.4	157.0	158.9
Northern Virginia	40.7	43.3	44.2	57.6	60.5	64.3	211.9	215.1	217.2
Richmond-Petersburg	60.2	61.4	61.4	26.5	27.1	28.3	120.7	123.6	124.7
Roanoke	19.8	19.3	18.9	8.6	8.6	8.8	37.1	36.5	36.6
Washington	344.7	370.0	379.5	124.9	132.8	136.1	591.0	607.0	625.0
Seattle-Bellevue-Everett	196.9	218.9	228.4	74.6	77.6	80.3	294.6	304.1	316.6
Spokane	22.0	22.5	21.9	8.1	7.8	8.1	46.2	46.6	48.5
Tacoma	24.0	25.4	25.6	10.0	9.6	9.2	54.8	57.2	58.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Finance, insurance, and real estate			Services			Government		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Rhode Island	25.3	26.8	28.5	146.8	151.7	157.0	61.3	63.2	63.3
Providence-Fall River-Warwick	27.2	28.7	30.4	155.6	161.0	167.0	63.3	64.6	64.8
South Carolina	72.6	74.9	79.9	374.8	394.6	419.8	294.6	298.9	309.2
Charleston-North Charleston	8.5	8.4	8.6	55.4	59.8	64.6	48.5	48.9	50.1
Columbia	19.8	20.1	21.7	66.0	69.1	72.6	71.8	72.8	75.1
Greenville-Spartanburg-Anderson	15.3	15.4	16.4	92.5	96.8	101.5	54.4	56.3	58.5
South Dakota	19.9	20.8	22.4	89.8	92.2	94.6	70.4	70.5	71.1
Rapid City	1.7	1.8	2.7	13.8	14.1	14.5	7.2	7.2	7.3
Sioux Falls	10.7	11.3	11.7	28.7	30.0	31.2	9.6	9.6	9.9
Tennessee	116.5	120.1	125.4	658.7	682.4	704.4	381.6	380.3	383.7
Chattanooga	14.4	15.3	15.6	55.0	55.1	56.7	35.3	33.7	32.7
Johnson City-Kingsport-Bristol	5.8	6.0	6.1	46.4	48.5	47.6	28.1	28.0	28.7
Knoxville	13.0	13.7	14.6	84.3	85.8	88.2	55.1	54.4	54.7
Memphis	27.8	27.9	28.1	153.9	162.6	168.1	78.0	78.3	80.0
Nashville	36.8	39.3	41.9	190.3	199.1	206.3	78.0	80.7	83.0
Texas	445.2	466.7	495.3	2,228.8	2,386.7	2,515.2	1,457.7	1,483.3	1,510.3
Abilene	2.0	2.4	2.5	18.2	19.0	19.8	9.8	10.0	10.1
Amarillo	4.7	4.8	5.1	24.3	25.8	27.3	16.8	16.5	16.7
Austin-San Marcos	29.0	30.1	31.6	151.0	161.9	173.9	125.5	126.4	128.3
Beaumont-Port Arthur	4.8	5.1	5.2	39.5	41.1	42.2	25.6	26.1	26.1
Brazoria	1.8	1.9	1.9	13.4	13.5	13.7	13.4	13.6	13.9
Brownsville-Harlingen-San Benito	3.6	3.6	3.6	25.2	27.4	27.8	21.9	22.7	23.4
Bryan-College Station	2.3	2.4	2.6	13.7	14.8	15.7	26.2	27.0	28.3
Corpus Christi	6.5	6.5	6.4	43.0	46.8	49.1	31.1	30.3	30.6
Dallas	130.4	139.6	150.6	492.7	532.2	559.9	191.4	196.4	201.3
El Paso	9.0	9.5	9.7	52.3	55.0	57.6	50.7	52.8	52.3
Ft. Worth-Arlington	30.6	32.3	34.6	180.3	191.7	202.3	88.7	91.0	93.5
Galveston-Texas City	5.4	5.5	5.9	17.5	18.5	19.1	27.2	26.6	27.0
Houston	96.1	100.2	106.1	534.1	570.2	608.2	245.7	251.4	256.2
Killeen Temple	3.9	4.1	4.2	24.7	26.5	27.4	26.5	27.1	27.7
Laredo	2.1	2.3	2.3	9.9	11.0	12.5	13.7	14.1	14.6
Longview-Marshall	3.1	3.3	3.6	19.8	20.8	21.4	11.5	11.5	11.4
Lubbock	5.2	5.5	5.8	31.5	33.7	34.8	24.3	24.6	24.9
McAllen-Edinburg-Mission	4.6	4.9	5.1	27.4	30.5	32.5	34.7	35.8	37.7
Odessa Midland	3.5	3.6	3.9	22.1	24.4	25.1	17.2	17.5	17.8
San Angelo	1.6	1.7	1.8	11.6	12.5	12.7	8.5	8.8	9.2
San Antonio	42.9	43.8	45.5	191.0	205.9	215.9	131.5	133.7	134.2
Sherman-Denison	2.0	2.1	2.5	11.2	11.9	11.9	5.5	5.7	5.8
Texarkana	1.7	1.7	1.7	13.3	13.9	14.2	11.7	11.6	11.2
Tyler	3.9	4.0	4.0	20.9	23.1	24.2	10.9	11.0	11.2
Victoria	1.6	1.6	1.5	8.9	9.4	9.6	6.1	6.1	6.3
Waco	5.6	5.7	5.9	26.4	27.8	28.8	14.9	15.0	15.0
Wichita Falls	2.2	2.2	2.3	15.5	16.2	16.1	12.4	12.6	12.5
Utah	50.5	52.5	55.3	255.3	268.8	280.0	166.8	172.3	176.9
Provo-Orem	3.6	3.9	4.2	49.4	51.2	53.6	17.3	18.5	19.3
Salt Lake City-Ogden	41.6	43.4	45.1	170.1	179.5	185.9	107.7	110.8	113.2
Vermont	12.1	12.2	12.3	81.6	83.7	86.5	45.4	45.7	46.1
Barre-Montpelier	2.6	2.6	2.4	8.0	8.1	8.5	7.3	6.9	7.2
Burlington	4.7	4.8	4.9	28.3	28.7	29.5	14.9	15.2	15.3
Virginia	162.7	168.6	175.2	915.7	972.5	1,022.8	596.2	596.6	601.8
Bristol	1.1	1.2	1.3	7.5	7.7	8.3	5.4	5.6	5.7
Charlottesville	3.9	4.1	4.5	19.0	19.8	20.7	24.7	25.4	26.7
Danville	1.4	1.4	1.4	8.7	9.5	10.2	5.8	5.9	5.9
Lynchburg	4.1	4.2	4.3	23.2	24.4	25.6	12.6	12.8	12.9
Norfolk-Virginia Beach-Newport News	29.5	31.0	32.5	187.4	195.7	201.9	135.4	142.1	143.1
Northern Virginia	53.3	55.5	58.7	362.9	389.4	414.2	176.1	179.2	178.6
Richmond-Petersburg	43.0	44.2	45.0	129.5	134.6	139.3	96.8	99.8	101.7
Roanoke	9.1	9.3	9.8	40.1	41.0	43.8	17.5	17.7	17.8
Washington	124.0	127.7	135.0	649.1	678.9	709.6	450.6	458.0	465.6
Seattle-Bellevue-Everett	74.9	76.7	81.2	347.6	371.5	389.4	175.1	178.1	182.4
Spokane	10.4	10.7	11.0	54.1	56.0	58.1	30.0	30.5	31.2
Tacoma	11.4	12.0	12.5	62.3	65.2	67.4	46.7	47.3	48.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Total			Mining			Construction		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
West Virginia	698.6	707.8	718.5	25.8	24.6	23.5	34.4	34.9	34.5
Charleston	127.8	130.4	132.3	2.0	1.9	1.9	6.9	7.1	6.9
Huntington-Ashland	119.4	121.0	121.9	1.3	1.5	1.3	6.0	5.9	5.6
Parkersburg-Marietta	68.3	69.1	69.8	.4	.3	.3	4.3	4.6	4.4
Wheeling	64.0	65.0	66.4	1.5	1.6	1.7	2.3	2.4	2.5
Wisconsin	2,600.5	2,655.7	2,711.9	2.5	2.6	2.8	104.4	108.3	112.5
Appleton-Oshkosh-Neenah	189.1	192.6	196.9	(1)	(1)	(1)	10.6	10.7	10.9
Eau Claire	68.9	71.8	74.1	(1)	(1)	(1)	2.8	2.9	3.1
Green Bay	130.9	133.8	136.9	(1)	(1)	(1)	6.5	6.5	6.7
Janesville-Beloit	67.4	69.1	69.7	(1)	(1)	(1)	2.7	2.7	2.7
Kenosha	49.1	50.9	53.6	(1)	(1)	(1)	2.2	2.2	2.3
La Crosse	67.2	68.4	70.3	(1)	(1)	(1)	2.6	2.6	2.7
Madison	261.4	267.5	276.1	(1)	(1)	(1)	11.7	12.4	13.0
Milwaukee-Waukesha	812.9	827.7	845.3	(1)	(1)	(1)	28.8	30.2	31.1
Racine	79.4	80.2	81.9	(1)	(1)	(1)	2.9	3.2	3.4
Sheboygan	57.7	58.0	59.7	(2)	(2)	(2)	2.3	2.4	2.4
Wausau	61.8	64.4	66.3	(1)	(1)	(1)	2.7	2.9	2.9
Wyoming	221.1	224.5	227.8	15.9	16.8	17.0	14.2	15.1	15.9
Casper	29.4	30.1	30.7	1.8	2.0	2.1	1.6	1.8	1.9
Puerto Rico	970.6	986.8	985.3	1.1	1.2	1.3	54.7	57.7	58.2
Caguas	63.5	67.1	68.1	(1)	(1)	(1)	2.6	3.0	3.1
Mayaguez	69.1	69.8	70.5	(1)	(1)	(1)	3.6	3.8	4.1
Ponce	75.3	76.6	75.8	(1)	(1)	(1)	4.7	4.9	5.2
San Juan-Bayamon	608.4	616.5	613.4	.6	.6	.6	38.4	40.0	40.6
Virgin Islands	41.3	41.3	41.7	(1)	(1)	(1)	2.5	1.9	1.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
West Virginia	81.9	81.6	82.4	39.3	38.9	38.9	160.3	161.7	163.2
Charleston	9.8	10.0	10.1	9.2	9.3	9.3	31.4	31.2	31.7
Huntington-Ashland	17.5	17.2	16.6	7.0	6.7	6.7	31.5	31.6	31.4
Parkersburg-Marietta	13.4	13.2	13.0	2.7	2.6	2.7	17.3	17.2	17.4
Wheeling	6.2	6.0	6.2	3.1	2.8	2.7	16.2	16.8	17.0
Wisconsin	601.1	608.8	616.7	121.9	124.0	126.9	595.7	604.2	609.5
Appleton-Oshkosh-Neenah	59.0	59.2	59.8	7.2	7.5	8.1	39.8	40.6	41.4
Eau Claire	11.2	12.4	13.5	3.5	3.5	3.5	19.1	19.4	20.0
Green Bay	27.8	28.5	29.1	9.4	9.7	9.9	30.6	31.2	31.7
Janesville-Beloit	21.1	21.1	20.6	2.4	2.6	2.9	15.7	16.1	16.4
Kenosha	11.1	11.2	12.1	1.8	1.9	1.9	12.7	12.5	12.8
La Crosse	11.4	11.7	12.2	3.0	3.1	3.3	19.0	18.4	18.6
Madison	29.0	29.4	29.4	8.8	9.0	9.1	57.0	57.9	60.0
Milwaukee-Waukesha	174.8	176.3	178.6	39.1	39.4	40.4	178.0	179.2	180.7
Racine	25.2	25.2	25.5	2.8	2.5	2.6	16.3	16.4	16.8
Sheboygan	23.5	23.9	24.9	1.8	1.7	1.7	10.7	10.7	10.8
Wausau	17.3	18.3	19.0	3.4	3.3	3.3	15.0	16.0	16.6
Wyoming	10.8	10.8	10.9	13.9	13.9	13.9	52.2	52.5	52.7
Casper	1.5	1.5	1.5	1.5	1.7	1.7	8.5	8.4	8.4
Puerto Rico	153.3	152.3	146.9	24.6	26.1	26.7	193.0	198.9	201.1
Caguas	15.6	16.0	15.7	.7	.8	1.1	13.8	14.9	15.6
Mayaguez	19.4	18.0	17.9	.7	.7	.7	11.4	12.0	12.2
Ponce	10.8	10.6	9.8	2.3	2.3	2.3	13.1	13.3	13.6
San Juan-Bayamon	70.9	70.2	67.1	18.7	20.4	20.5	128.8	131.1	132.0
Virgin Islands	2.3	2.2	2.4	2.3	2.4	2.4	9.3	9.3	9.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
ANNUAL AVERAGES**

1. Employees on nonfarm payrolls in States and selected areas by major industry — Continued

State and area	Finance, insurance, and real estate			Services			Government		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
West Virginia	27.3	28.2	28.6	191.0	198.9	207.0	138.7	139.1	140.5
Charleston	7.1	7.5	7.9	38.4	39.9	40.8	23.2	23.6	23.8
Huntington-Ashland	3.8	3.8	4.0	31.6	33.3	35.4	20.7	21.0	21.0
Parkersburg-Marietta	2.5	2.6	2.6	17.2	18.6	20.1	10.6	10.0	9.4
Wheeling	2.7	2.8	2.7	21.7	22.5	23.5	10.3	10.1	10.2
Wisconsin	138.0	140.2	143.8	653.5	681.0	706.7	383.5	386.7	393.1
Appleton-Oshkosh-Neenah	9.2	9.4	9.6	41.5	43.4	44.6	21.7	21.9	22.5
Eau Claire	2.4	2.5	2.6	18.1	19.4	19.8	11.7	11.7	11.7
Green Bay	9.9	9.4	9.9	31.2	32.9	33.8	15.6	15.8	16.1
Janesville-Beloit	1.8	1.9	2.0	15.4	16.3	16.6	8.3	8.5	8.6
Kenosha	1.6	1.7	1.7	12.2	13.5	14.6	7.5	8.0	8.2
La Crosse	2.5	2.4	2.5	19.1	20.4	21.1	9.7	9.9	10.0
Madison	20.5	21.2	21.7	64.8	67.7	71.0	69.6	69.9	72.0
Milwaukee-Waukesha	56.4	57.7	58.4	246.8	256.1	266.3	89.0	88.8	90.0
Racine	2.3	2.3	2.4	20.4	21.4	21.8	9.4	9.3	9.6
Sheboygan	2.2	2.1	2.2	11.1	11.1	11.5	6.2	6.2	6.2
Wausau	4.6	4.7	5.0	11.6	11.8	12.1	7.1	7.3	7.4
Wyoming	7.9	8.2	8.6	48.2	49.2	50.5	58.1	58.1	58.3
Casper	1.2	1.2	1.2	7.9	8.3	8.5	5.3	5.3	5.3
Puerto Rico	44.6	46.6	47.2	182.8	194.1	197.4	316.5	310.1	306.6
Caguas	1.6	1.7	1.7	11.0	12.1	12.4	18.1	18.6	18.5
Mayaguez	2.0	2.0	2.1	10.3	11.2	11.6	21.8	22.2	22.0
Ponce	2.2	2.2	2.3	15.1	16.6	17.0	27.1	26.6	25.7
San Juan-Bayamon	35.0	36.4	36.7	126.5	130.7	132.2	189.6	187.0	183.9
Virgin Islands	1.8	1.9	1.9	9.0	10.0	10.4	14.1	13.6	13.8

¹ Combined with construction.
² Not available.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1998 benchmarks.

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

2. 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		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Alabama	41.7	41.9	42.2	\$11.55	\$11.86	\$12.11	\$481.64	\$496.93	\$511.04
Birmingham	42.4	43.4	43.0	12.46	12.68	12.86	528.30	550.31	552.98
Mobile	43.8	43.2	44.4	13.60	14.06	13.96	595.68	607.39	619.82
Alaska	46.5	46.7	49.9	11.14	11.78	11.09	518.01	550.13	553.39
Arizona	42.8	41.4	40.4	11.49	11.67	12.18	491.77	483.14	492.07
Arkansas	41.5	41.4	41.7	10.41	10.78	11.11	432.02	446.29	463.29
Fayetteville-Springdale-Rogers	40.5	40.9	41.6	9.80	10.38	10.76	396.90	424.54	447.62
Fort Smith	41.9	41.5	42.5	10.32	10.75	11.20	432.41	446.13	476.00
Little Rock-North Little Rock	41.9	41.7	42.3	11.14	11.68	11.84	466.77	487.06	500.83
Pine Bluff	42.5	41.7	40.5	11.89	12.50	13.19	505.33	521.25	534.20
California	41.5	41.9	41.7	12.84	13.24	13.67	532.86	554.76	570.04
Bakersfield	41.1	41.2	41.8	13.48	13.66	13.91	554.03	562.79	581.44
Fresno	41.2	41.0	40.8	11.18	11.74	12.02	460.62	481.34	490.42
Los Angeles-Long Beach	42.0	42.4	42.4	12.05	12.44	12.83	506.10	527.46	543.99
Modesto	40.9	41.6	42.0	12.71	13.44	13.82	519.84	559.10	580.44
Oakland	42.3	42.1	41.7	15.38	15.59	15.64	650.57	656.34	652.19
Orange County	42.1	42.8	43.4	12.75	12.82	13.02	536.78	548.70	565.07
Riverside-San Bernardino	41.4	41.8	42.4	11.53	11.80	12.07	477.34	493.24	511.77
Sacramento	40.7	41.0	40.9	13.82	14.18	14.69	562.47	581.38	600.82
Salinas	39.2	37.5	39.6	13.48	13.83	14.25	528.42	518.63	564.30
San Diego	39.6	40.1	40.1	12.78	13.27	13.59	506.09	532.13	544.96
San Francisco	40.8	40.8	41.0	13.85	14.37	14.69	565.08	586.30	602.29
San Jose	41.3	42.0	42.4	15.82	16.42	16.80	653.37	689.64	712.32
Santa Barbara-Santa Maria-Lompoc	41.5	41.2	41.6	13.06	13.56	14.10	541.99	558.67	586.56
Santa Rosa	39.4	40.0	39.9	14.41	14.68	15.05	567.75	587.20	600.50
Stockton-Lodi	42.5	42.9	42.0	12.92	13.23	13.47	549.10	567.57	565.74
Vallejo-Fairfield-Napa	41.3	41.7	42.0	14.66	15.25	15.57	605.46	635.93	653.94
Ventura	41.8	42.2	42.9	12.35	12.44	12.42	516.23	524.97	532.82
Colorado	41.2	41.8	41.5	12.83	13.31	13.73	528.60	556.36	569.80
Denver	41.1	41.3	42.4	12.81	13.11	12.88	526.49	541.44	546.11
Connecticut	42.5	42.6	42.7	14.01	14.46	14.83	595.43	616.00	633.24
Bridgeport	42.3	42.7	42.1	14.60	14.98	15.23	617.58	639.65	641.18
Danbury	45.6	43.6	42.7	14.46	14.84	14.83	659.38	647.02	633.24
Hartford	42.6	43.0	43.2	14.68	15.34	15.63	625.37	659.62	675.22
New Haven-Meriden	41.2	42.5	42.1	13.46	14.30	14.65	554.55	607.75	616.77
New London-Norwich	42.3	42.4	42.3	14.58	14.93	15.43	616.73	633.03	652.69
Stamford-Norwalk	40.8	40.8	39.6	14.04	13.78	13.75	572.83	562.22	544.50
Waterbury	43.4	43.9	43.6	13.09	13.53	13.99	568.11	593.97	609.96
Delaware	40.5	41.9	42.3	14.02	14.81	15.33	567.81	620.54	648.46
Dover	39.7	40.4	40.7	12.75	13.34	13.70	506.18	538.94	557.59
Wilmington-Newark	41.7	43.1	43.8	16.95	17.77	18.56	706.82	765.89	812.93
District of Columbia:									
Washington PMSA	38.5	39.5	39.3	13.68	14.04	14.47	526.68	554.58	568.67
Florida	41.5	41.8	41.7	10.55	10.95	11.43	437.83	457.71	476.63
Georgia	42.3	42.4	41.8	11.19	11.64	12.04	473.34	493.54	503.27
Atlanta	42.6	42.8	41.5	12.01	12.61	12.89	511.63	539.71	534.94
Savannah	48.2	48.3	47.6	14.00	14.14	15.32	674.80	682.96	729.23
Hawaii	38.1	37.9	37.3	12.79	13.11	13.14	487.30	496.87	490.12
Honolulu	39.3	39.5	39.3	12.98	13.04	13.15	510.11	515.08	516.80
Idaho	39.5	40.1	38.3	12.15	12.46	12.78	479.93	499.65	489.47
Illinois	41.7	42.2	41.8	13.03	13.35	13.74	543.35	563.37	574.33
Bloomington-Normal	42.3	41.3	40.2	17.49	17.55	17.76	739.83	724.82	713.95
Champaign-Urbana	41.0	41.4	41.3	10.77	10.94	11.16	441.57	452.92	460.91
Chicago	41.8	42.1	42.1	12.95	13.25	13.50	541.31	557.83	568.35
Davenport-Moline-Rock Island	41.7	42.6	43.1	14.91	15.41	15.63	621.75	656.47	673.65
Decatur	41.8	42.7	42.4	15.98	16.58	16.82	667.96	707.97	713.17
Kankakee	40.9	41.4	41.6	14.05	14.76	15.36	574.65	611.06	638.98
Peoria-Pekin	41.4	42.5	42.6	16.31	16.47	16.54	675.23	699.98	704.60
Rockford	42.1	42.7	42.8	14.83	14.94	15.54	624.34	637.94	665.11
Springfield	41.0	41.6	41.0	11.69	12.01	12.31	479.29	499.62	504.71

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
ANNUAL AVERAGES

2. 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		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Indiana	42.8	43.2	42.9	\$14.33	\$14.79	\$14.96	\$613.32	\$638.93	\$641.78
Bloomington	40.0	41.5	40.4	11.45	12.54	11.96	458.00	520.41	483.18
Elkhart-Goshen	39.7	39.5	40.0	12.17	12.29	12.43	483.15	485.46	497.20
Evansville-Henderson	42.3	43.4	43.4	13.35	14.59	14.62	564.71	633.21	634.51
Fort Wayne	41.7	41.7	41.5	14.50	14.73	14.88	604.65	614.24	617.52
Gary	42.4	42.5	43.0	18.64	18.51	18.87	790.34	786.68	811.41
Indianapolis	44.2	44.2	44.0	15.69	15.68	15.62	693.50	693.06	687.28
Kokomo	51.4	49.0	50.4	18.95	19.66	21.20	974.03	963.34	1068.48
Lafayette	43.5	42.9	43.4	14.81	15.32	15.91	644.24	657.23	690.49
Muncie	43.2	44.6	45.6	14.73	14.73	14.87	636.34	656.96	678.07
South Bend	42.7	41.7	40.9	12.38	12.80	12.54	528.63	533.76	512.89
Terre Haute	42.8	43.2	45.1	14.02	14.65	14.79	600.06	632.88	667.03
Iowa	42.0	42.6	41.9	13.13	13.57	13.92	551.46	578.08	583.25
Cedar Rapids	42.0	43.0	41.5	15.88	16.54	17.56	666.96	711.22	728.74
Des Moines	41.5	43.2	41.8	13.70	13.64	14.14	568.55	589.25	591.05
Dubuque	41.7	41.8	40.5	14.39	14.96	15.40	600.06	625.33	623.70
Sioux City	39.7	39.3	40.2	10.67	11.35	11.75	423.60	446.06	472.35
Kansas	42.4	42.3	41.9	12.88	13.45	13.85	546.11	568.94	580.32
Topeka	41.8	41.1	41.9	14.04	14.93	15.97	586.87	613.62	669.14
Wichita	44.6	43.6	43.1	14.91	15.75	16.12	664.99	686.70	694.77
Kentucky	41.1	41.8	41.4	12.70	13.17	13.80	521.97	550.51	571.32
Lexington	42.0	43.0	42.6	13.65	13.96	14.00	573.30	600.28	596.40
Louisville	41.5	41.9	42.0	14.10	14.73	15.53	585.15	617.19	652.26
Louisiana	44.2	44.1	44.1	13.65	14.14	14.64	603.33	623.57	645.62
Baton Rouge	43.4	43.0	43.2	16.01	16.47	17.38	694.83	708.21	750.82
New Orleans	44.3	44.4	43.9	14.23	14.29	14.83	630.39	634.48	651.04
Shreveport-Bossier City	42.5	42.9	42.5	13.81	13.84	14.31	586.93	593.74	608.18
Maine	39.9	40.6	40.6	12.71	13.12	13.50	507.13	532.67	548.10
Lewiston-Auburn	39.2	41.8	41.1	11.13	11.28	11.86	436.30	471.50	487.45
Portland	38.4	37.9	41.8	11.22	11.13	11.40	430.85	421.83	476.52
Maryland	41.0	41.4	41.6	13.73	14.14	14.31	562.93	585.40	595.30
Baltimore PMSA	41.5	41.8	41.6	14.51	14.74	14.91	602.17	616.13	620.26
Massachusetts	41.8	42.3	42.0	13.05	13.42	13.79	545.49	567.67	579.18
Boston	41.6	41.8	41.4	14.06	14.51	14.99	584.90	606.52	620.59
Springfield	41.8	42.1	41.6	12.51	12.95	13.46	522.92	545.20	559.94
Worcester	42.0	43.2	42.2	12.89	13.50	14.00	541.38	583.20	590.80
Michigan	43.9	44.1	43.3	16.67	17.18	17.57	731.81	757.64	760.78
Ann Arbor	45.3	45.8	44.3	17.30	17.99	18.95	783.69	823.94	839.49
Detroit	45.2	45.5	43.9	18.32	18.75	19.52	828.06	853.13	856.93
Flint	46.0	46.5	43.1	21.51	22.87	25.17	989.46	1063.46	1084.83
Grand Rapids-Muskegon-Holland	41.8	42.2	41.6	14.29	14.56	14.72	597.32	614.43	612.35
Jackson	40.9	41.7	41.2	12.67	13.08	12.90	518.20	545.44	531.48
Kalamazoo-Battle Creek	43.4	44.9	43.9	15.52	15.35	15.86	673.57	689.22	696.25
Lansing East Lansing	44.1	43.9	41.7	17.79	18.56	19.40	784.54	814.78	808.98
Saginaw-Bay City-Midland	47.2	47.6	44.9	19.52	20.70	21.29	921.34	985.32	955.92
Minnesota	41.4	41.5	41.3	13.16	13.63	13.91	544.82	565.65	574.48
Duluth-Superior	40.4	40.1	40.5	11.51	12.23	12.62	465.00	490.42	511.11
Minneapolis-St. Paul	41.5	41.6	42.1	14.08	14.51	14.84	584.32	603.62	624.76
St. Cloud	41.5	42.8	42.4	12.16	12.65	13.20	504.64	541.42	559.68
Mississippi	41.3	41.5	41.4	10.18	10.41	10.72	420.43	432.02	443.81
Jackson	41.8	41.6	40.8	11.40	12.00	11.98	476.52	499.20	488.78
Missouri	41.5	41.6	41.5	12.57	12.98	13.35	521.66	539.97	554.03
Kansas City	43.4	43.7	43.5	14.30	14.26	14.28	620.62	623.16	621.18
St. Louis	42.7	43.0	42.3	15.12	15.19	15.83	645.62	653.17	669.61
Springfield	40.3	40.0	40.6	10.70	11.02	11.46	431.21	440.80	465.28
Montana	39.1	39.9	39.3	13.00	13.29	13.77	508.30	530.27	541.16
Nebraska	41.6	41.3	41.9	11.51	12.10	12.32	478.82	499.73	516.21
Lincoln	43.6	45.7	44.0	13.12	13.63	14.03	572.03	622.89	617.32
Omaha	41.6	41.8	42.5	12.65	13.43	13.34	526.24	561.37	566.95
Nevada	41.6	42.9	42.0	13.59	14.17	14.42	565.34	607.89	605.64
Las Vegas	39.9	40.2	40.5	14.25	15.39	16.08	568.58	618.68	651.24

See footnotes at end of table.

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

2. 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		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
New Hampshire	41.8	42.0	41.3	\$12.23	\$12.55	\$12.77	\$511.21	\$527.10	\$527.40
Manchester.....	41.5	41.4	40.1	12.80	13.56	13.58	531.20	561.38	544.56
Nashua.....	41.6	41.2	41.7	14.87	14.75	14.58	618.59	607.70	607.99
Portsmouth-Rochester.....	41.3	41.7	40.8	11.92	11.70	12.20	492.30	487.89	497.76
New Jersey	41.8	42.0	41.8	13.85	14.24	14.58	578.93	598.08	609.44
New Mexico	40.2	39.8	38.6	10.99	11.74	12.51	441.80	467.25	482.89
Albuquerque.....	40.5	39.8	38.0	11.43	13.56	13.79	462.92	539.69	524.02
New York	40.8	41.2	41.1	12.78	13.19	13.53	521.42	543.43	556.08
Albany-Schenectady-Troy.....	40.6	41.9	42.1	14.09	14.64	14.56	572.05	613.42	612.98
Binghamton.....	41.3	40.4	40.9	10.27	10.41	10.68	424.15	420.56	436.81
Buffalo-Niagara Falls.....	43.1	43.2	43.1	16.45	16.65	17.24	709.00	719.28	743.04
Dutchess County.....	37.2	38.8	39.9	11.65	12.11	12.13	433.38	469.87	483.99
Elmira.....	42.1	41.6	41.4	11.94	12.20	12.68	502.67	507.52	524.95
Nassau-Suffolk.....	39.5	40.3	40.1	11.84	12.20	12.50	467.68	491.66	501.25
New York PMSA.....	38.5	38.8	39.1	11.59	11.99	12.41	446.22	465.21	485.23
New York City.....	38.3	38.5	38.9	11.34	11.75	12.15	434.32	452.38	472.64
Newburgh.....	39.6	41.0	40.4	11.39	11.41	11.21	451.04	467.81	452.88
Rochester.....	43.1	43.2	42.5	14.23	14.85	15.05	613.31	641.52	639.63
Rockland County.....	42.4	42.3	42.0	15.14	15.79	15.82	641.94	667.92	664.44
Syracuse.....	43.3	42.9	42.5	13.90	14.30	14.52	601.87	613.47	617.10
Utica-Rome.....	39.8	40.4	39.9	12.20	11.55	11.80	485.56	466.62	470.82
Westchester County.....	40.3	40.4	40.1	11.96	12.48	13.13	481.99	504.19	526.51
North Carolina	40.4	41.2	41.1	10.97	11.41	11.84	443.19	470.09	486.62
Asheville.....	40.9	42.1	41.4	10.53	11.03	11.40	430.68	464.36	471.96
Charlotte-Gastonia-Rock Hill.....	40.4	41.2	41.1	11.78	12.33	12.79	475.91	508.00	525.67
Greensboro-Winston-Salem-High Point.....	39.9	40.6	40.3	11.25	11.70	12.06	448.88	475.02	486.02
Raleigh-Durham-Chapel Hill.....	41.5	41.8	41.6	11.91	12.43	12.94	494.27	519.57	538.30
North Dakota	42.2	40.5	40.0	10.95	11.29	11.45	462.09	457.25	458.00
Fargo-Moorhead.....	42.0	40.6	40.0	10.96	11.22	10.91	460.32	455.53	436.40
Ohio	43.3	43.6	42.9	14.70	15.30	15.78	636.51	667.08	676.96
Akron.....	42.6	42.9	42.7	12.29	12.74	13.18	523.55	546.55	562.79
Canton-Massillon.....	40.8	41.8	41.4	13.17	13.62	13.92	537.34	569.32	576.29
Cincinnati.....	43.0	43.6	43.3	14.26	14.63	15.16	613.18	637.87	656.43
Cleveland-Lorain-Elyria.....	43.2	43.8	43.2	14.67	15.05	15.43	633.74	659.19	666.58
Columbus.....	42.1	42.6	42.3	13.65	14.30	14.81	574.67	609.18	626.46
Dayton-Springfield.....	44.5	44.7	43.3	15.73	16.52	16.87	699.99	738.44	730.47
Hamilton-Middletown.....	45.8	45.8	45.9	16.33	16.82	17.40	747.91	770.36	798.66
Lima.....	43.0	43.7	43.1	15.45	16.20	16.19	664.35	707.94	697.79
Mansfield.....	43.4	43.6	43.2	15.53	15.93	16.19	674.00	694.55	699.41
Steubenville-Weirton.....	43.3	42.1	41.2	16.51	16.12	17.46	714.88	678.65	719.35
Toledo.....	44.8	44.5	43.6	16.47	16.59	17.11	737.86	738.26	746.00
Youngstown-Warren.....	43.1	43.1	42.0	15.87	17.27	17.59	684.00	744.34	738.78
Oklahoma	42.0	42.4	41.5	11.78	12.36	12.62	494.76	524.06	523.73
Oklahoma City.....	43.3	43.7	42.7	13.12	13.72	13.59	568.10	599.56	580.29
Tulsa.....	41.8	42.3	42.5	12.53	12.80	13.14	523.75	541.44	558.45
Oregon	40.2	40.9	40.7	13.01	13.39	14.06	523.00	547.65	572.24
Eugene-Springfield.....	40.0	39.6	40.7	12.87	12.79	13.45	514.80	506.48	547.42
Medford-Ashland.....	40.2	39.8	39.4	11.93	12.38	12.89	479.59	492.72	507.87
Portland-Vancouver.....	40.5	41.7	40.7	13.17	13.45	14.42	533.39	560.87	586.89
Salem.....	38.5	39.7	39.7	11.54	11.73	11.98	444.29	465.68	475.61
Pennsylvania	41.2	42.0	41.9	13.40	13.78	14.07	552.08	578.76	589.53
Allentown-Bethlem-Easton.....	41.2	42.2	42.2	13.40	13.93	14.50	552.08	587.85	611.90
Altoona.....	39.7	40.7	40.0	11.21	11.58	12.17	445.04	471.31	486.80
Erie.....	43.5	44.2	44.3	13.65	13.97	14.24	593.78	617.47	630.83
Harrisburg-Lebanon-Carlisle.....	39.0	40.0	40.1	12.80	13.19	13.65	499.20	527.60	547.37
Johnstown.....	39.6	39.7	39.7	9.99	10.16	10.40	395.60	403.35	412.88
Lancaster.....	39.9	40.6	40.8	12.95	12.76	12.91	516.71	518.06	526.73
Philadelphia PMSA.....	40.8	41.7	41.2	14.46	14.88	15.27	589.97	620.50	629.12
Pittsburgh.....	42.8	43.0	42.5	14.51	14.71	15.03	621.03	632.53	638.78
Reading.....	41.6	42.2	42.2	14.48	15.03	15.04	602.37	634.27	634.69
Scranton-Wilkes-Barre-Hazleton.....	39.8	41.3	40.9	11.98	12.39	12.69	476.80	511.71	519.02
Sharon.....	42.9	43.2	42.0	14.11	14.68	13.93	605.32	634.18	585.06
State College.....	42.0	42.3	41.4	11.40	11.88	12.17	478.80	502.52	503.84
Williamsport.....	41.0	41.2	40.6	11.04	11.01	11.39	452.64	453.61	462.43
York.....	41.1	42.3	42.7	13.40	14.09	14.44	550.74	596.01	616.59

See footnotes at end of table.

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

2. 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		
	1996	1997	1998	1996	1997	1998	1996	1997	1998
Rhode Island	40.0	40.9	40.6	\$10.95	\$11.31	\$11.59	\$438.00	\$462.58	\$470.55
Providence-Fall River-Warwick	40.2	41.5	41.3	11.03	11.48	11.87	443.41	476.42	490.23
South Carolina	41.8	42.2	42.6	10.25	10.35	10.54	428.45	436.77	449.00
South Dakota	41.5	41.9	42.6	9.59	9.96	10.22	397.99	417.32	435.37
Rapid City	40.3	40.8	41.0	9.55	9.78	10.39	384.81	399.02	425.99
Sioux Falls	41.9	42.0	43.8	9.95	10.34	10.65	416.91	434.28	466.47
Tennessee	40.6	41.2	40.5	11.30	11.71	12.06	458.78	482.45	488.43
Chattanooga	41.5	42.3	41.9	10.77	10.78	11.17	446.96	455.99	468.02
Johnson City-Kingsport-Bristol	39.6	39.6	38.6	11.98	12.64	13.01	474.41	500.54	502.19
Knoxville	40.1	40.7	41.0	10.93	11.29	11.93	438.29	459.50	489.13
Memphis	41.8	41.8	40.7	11.71	12.21	12.88	489.48	510.38	524.22
Nashville	40.7	41.2	40.6	11.90	12.69	12.88	484.33	522.83	522.93
Texas	43.0	43.5	43.7	11.81	12.03	12.15	507.83	523.31	530.96
Dallas	43.8	43.5	43.1	11.59	12.13	12.46	507.64	527.66	537.03
Ft. Worth-Arlington	42.8	43.6	43.4	12.44	12.80	13.10	532.43	558.08	568.54
Houston	44.7	45.8	45.2	13.96	14.01	14.34	624.01	641.66	648.17
San Antonio	41.4	41.2	42.5	9.49	9.71	9.81	392.89	400.05	416.93
Utah	40.3	40.2	40.4	12.21	12.85	13.10	492.06	516.57	529.24
Salt Lake City-Ogden	40.2	40.0	40.3	12.26	12.68	12.89	492.85	507.20	519.47
Vermont	40.5	40.7	39.6	12.42	12.70	13.03	503.01	516.89	515.99
Burlington	43.4	44.1	44.0	12.67	13.23	13.85	549.88	583.44	609.40
Virginia	41.5	42.2	42.2	12.19	12.51	12.91	505.89	527.92	544.80
Bristol	41.4	40.8	39.9	10.14	10.60	10.58	419.80	432.48	422.14
Charlottesville	41.6	43.5	43.7	10.12	10.13	10.57	420.99	440.66	461.91
Danville	41.5	43.7	42.5	11.59	12.49	12.85	480.99	545.81	546.13
Lynchburg	40.0	42.5	45.0	11.87	12.23	12.69	474.80	519.78	571.05
Northern Virginia	40.2	41.1	41.4	12.36	12.71	13.22	496.87	522.38	547.31
Richmond-Petersburg	43.4	42.7	41.8	15.93	15.79	16.16	691.36	674.23	675.49
Roanoke	39.3	40.2	40.9	13.24	14.17	14.09	520.33	569.63	576.28
Washington	40.8	40.6	40.8	14.73	15.16	15.75	600.98	615.50	642.60
West Virginia	41.2	41.7	41.6	12.96	13.17	13.71	533.95	549.19	570.34
Charleston	46.8	46.7	47.6	14.15	14.66	15.58	662.22	684.62	741.61
Huntington-Ashland	41.0	42.9	43.2	14.40	14.69	15.47	590.40	630.20	668.30
Parkersburg-Manetta	42.9	43.8	42.2	16.25	16.85	17.21	697.13	738.03	726.26
Wheeling	40.5	40.5	40.3	15.51	15.22	16.65	628.16	616.41	671.00
Wisconsin	42.2	42.4	41.8	13.14	13.66	14.04	554.51	579.18	586.87
Appleton-Oshkosh-Neenah	44.3	44.2	44.4	14.21	14.83	15.23	629.50	655.49	676.21
Eau Claire	46.5	42.2	41.6	13.02	12.72	12.72	605.43	536.78	529.15
Green Bay	42.4	42.2	41.4	14.33	14.86	15.45	607.59	627.09	639.63
Janesville-Beloit	45.4	45.3	43.5	16.80	17.24	18.00	762.72	780.97	783.00
Kenosha	39.6	39.4	39.5	14.06	14.78	15.34	556.78	582.33	605.93
La Crosse	40.9	42.2	42.1	11.24	11.81	12.27	459.72	498.38	516.57
Madison	41.1	41.5	40.4	12.42	12.71	13.13	510.46	527.47	530.45
Milwaukee-Waukesha	41.8	42.0	41.6	14.22	14.93	15.02	594.40	627.06	624.83
Racine	41.7	42.8	41.5	13.68	14.13	14.56	570.46	604.76	604.24
Sheboygan	43.3	42.8	42.6	12.93	12.96	13.84	559.87	554.69	589.58
Wausau	42.9	43.3	42.7	12.72	13.21	13.53	545.69	571.99	577.73
Wyoming	40.1	40.3	40.4	13.17	14.54	14.88	528.12	585.96	601.15
Puerto Rico	38.6	39.6	40.0	7.70	7.99	8.40	297.22	316.40	336.00
Virgin Islands	41.5	42.7	40.1	17.00	18.09	18.60	705.50	772.44	745.86

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1998 benchmarks.

**LABOR FORCE DATA
REGIONS AND DIVISIONS
ANNUAL AVERAGES**

3. Labor force status by census region and division

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	1995	1996	1997	1998	1995	1996	1997	1998	1995	1996	1997	1998
Northeast	25,365.7	25,644.6	26,129.1	26,076.0	1,516.0	1,442.0	1,406.6	1,214.6	6.0	5.6	5.4	4.7
New England	6,954.7	6,996.4	7,118.0	7,114.4	373.4	335.2	314.0	249.7	5.4	4.8	4.4	3.5
Middle Atlantic	18,410.9	18,648.2	19,011.2	18,961.6	1,142.6	1,106.8	1,092.6	964.9	6.2	5.9	5.7	5.1
South	45,807.2	46,423.9	47,175.9	47,834.4	2,494.5	2,430.6	2,324.7	2,112.6	5.4	5.2	4.9	4.4
South Atlantic	23,612.3	23,980.6	24,441.1	24,705.6	1,203.4	1,190.2	1,109.9	1,003.7	5.1	5.0	4.5	4.1
East South Central	7,887.7	7,964.5	8,055.5	8,104.8	447.3	430.9	431.6	363.5	5.7	5.4	5.4	4.5
West South Central	14,307.2	14,478.8	14,679.3	15,024.0	843.8	809.5	783.1	745.5	5.9	5.6	5.3	5.0
Midwest	32,425.8	32,794.7	33,008.3	33,151.7	1,480.9	1,479.2	1,334.8	1,240.1	4.6	4.5	4.0	3.7
East North Central	22,479.7	22,698.3	22,899.7	22,970.9	1,089.4	1,072.3	979.1	908.1	4.8	4.7	4.3	4.0
West North Central	9,946.1	10,096.4	10,108.6	10,180.8	391.5	406.9	355.7	332.0	3.9	4.0	3.5	3.3
West	28,905.4	29,286.3	29,983.6	30,755.0	1,921.6	1,894.8	1,672.6	1,649.9	6.6	6.5	5.6	5.4
Mountain	8,151.0	8,271.7	8,413.7	8,710.4	397.1	423.7	362.1	382.7	4.9	5.1	4.3	4.4
Pacific	20,754.3	21,014.6	21,569.9	22,044.6	1,524.5	1,471.1	1,310.4	1,267.3	7.3	7.0	6.1	5.7

NOTE: These estimates are obtained by summing the State estimates. 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
ANNUAL AVERAGES

4. Labor force status by State

(Numbers in thousands)

State and area	Civilian labor force				Unemployed							
					Number				Percent of labor force			
	1995	1996	1997	1998	1995	1996	1997	1998	1995	1996	1997	1998
Alabama	2,068.7	2,098.6	2,168.3	2,152.6	129.9	107.6	109.9	90.8	6.3	5.1	5.1	4.2
Alaska	303.0	313.0	315.3	316.9	22.2	24.5	24.9	18.4	7.3	7.8	7.9	5.8
Arizona	2,190.7	2,209.5	2,184.6	2,272.4	111.2	121.7	101.5	94.1	5.1	5.5	4.6	4.1
Arkansas	1,219.6	1,230.5	1,214.1	1,215.4	59.2	66.4	64.3	67.0	4.9	5.4	5.3	5.5
California	15,412.2	15,511.6	15,941.3	16,329.2	1,209.4	1,120.1	1,004.4	968.5	7.8	7.2	6.3	5.9
Colorado	2,087.5	2,093.2	2,151.6	2,245.6	87.5	88.4	70.2	86.2	4.2	4.2	3.3	3.8
Connecticut	1,711.1	1,718.5	1,723.3	1,709.3	94.3	98.7	87.9	57.4	5.5	5.7	5.1	3.4
Delaware	382.0	383.1	381.7	392.3	16.6	19.8	15.4	14.9	4.3	5.2	4.0	3.8
District of Columbia	284.1	270.9	258.2	267.3	25.3	23.1	20.5	23.6	8.9	8.5	7.9	8.8
Florida	6,850.8	6,956.3	7,119.2	7,228.0	376.1	352.8	338.6	310.2	5.5	5.1	4.8	4.3
Georgia	3,617.2	3,738.9	3,907.2	4,020.8	176.3	172.3	177.3	169.1	4.9	4.6	4.5	4.2
Hawaii	576.4	593.6	596.8	597.0	33.8	37.9	38.2	37.3	5.9	6.4	6.4	6.2
Idaho	600.5	617.2	632.9	653.1	32.4	32.3	33.8	32.8	5.4	5.2	5.3	5.0
Illinois	6,110.9	6,165.5	6,195.7	6,223.2	314.8	325.7	291.5	277.4	5.2	5.3	4.7	4.5
Indiana	3,126.0	3,065.1	3,086.3	3,088.3	145.5	126.4	108.4	95.6	4.7	4.1	3.5	3.1
Iowa	1,559.5	1,593.1	1,579.4	1,569.8	54.4	59.8	51.5	43.5	3.5	3.8	3.3	2.8
Kansas	1,338.1	1,348.6	1,368.5	1,410.7	59.5	60.8	51.7	54.1	4.4	4.5	3.8	3.8
Kentucky	1,861.3	1,864.6	1,917.2	1,923.9	100.3	104.9	103.2	88.7	5.4	5.6	5.4	4.6
Louisiana	1,952.8	1,997.9	2,014.1	2,063.1	134.5	134.7	123.2	118.0	6.9	6.7	6.1	5.7
Maine	639.9	665.9	659.4	651.0	36.7	33.9	35.6	28.7	5.7	5.1	5.4	4.4
Maryland	2,715.1	2,787.8	2,783.6	2,756.1	138.4	136.2	141.4	125.4	5.1	4.9	5.1	4.6
Massachusetts	3,164.1	3,171.6	3,260.2	3,273.4	169.8	136.6	130.8	109.1	5.4	4.3	4.0	3.3
Michigan	4,813.9	4,897.4	4,961.6	5,029.2	257.5	238.6	208.7	194.2	5.3	4.9	4.2	3.9
Minnesota	2,594.9	2,603.4	2,624.6	2,681.7	96.1	103.8	85.5	68.3	3.7	4.0	3.3	2.5
Mississippi	1,257.0	1,257.3	1,262.3	1,288.7	77.0	77.0	72.5	68.3	6.1	6.1	5.7	5.4
Missouri	2,833.4	2,904.7	2,892.6	2,857.3	135.5	132.7	122.6	118.9	4.8	4.6	4.2	4.2
Montana	437.1	445.9	455.3	467.8	25.8	23.5	24.4	26.3	5.9	5.3	5.4	5.6
Nebraska	898.1	909.9	906.3	916.4	23.8	26.6	23.6	24.7	2.6	2.9	2.6	2.7
Nevada	802.3	839.9	883.2	919.8	43.3	45.4	36.2	39.6	5.4	5.4	4.1	4.3
New Hampshire	633.3	623.1	645.6	652.2	25.2	25.9	20.2	19.0	4.0	4.2	3.1	2.9
New Jersey	4,064.2	4,134.5	4,197.7	4,155.0	260.5	256.1	215.7	191.8	6.4	6.2	5.1	4.6
New Mexico	791.0	797.9	814.7	831.1	49.6	64.3	50.9	51.4	6.3	8.1	6.2	6.2
New York	8,509.3	8,613.6	8,834.9	8,870.3	539.2	537.9	566.3	498.0	6.3	6.2	6.4	5.6
North Carolina	3,630.8	3,782.5	3,844.1	3,794.2	157.3	164.3	139.2	130.9	4.3	4.3	3.6	3.5
North Dakota	335.6	344.2	347.5	347.0	11.0	10.6	8.8	11.1	3.3	3.1	2.5	3.2
Ohio	5,585.0	5,643.0	5,706.7	5,678.3	266.1	278.3	262.1	241.6	4.8	4.9	4.6	4.3
Oklahoma	1,546.3	1,576.0	1,601.2	1,627.3	72.6	64.0	66.0	73.6	4.7	4.1	4.1	4.5
Oregon	1,652.8	1,717.6	1,727.6	1,762.2	80.1	101.5	100.6	98.5	4.8	5.9	5.8	5.6
Pennsylvania	5,837.5	5,900.1	5,978.5	5,936.3	342.9	312.8	310.7	275.1	5.9	5.3	5.2	4.6
Rhode Island	487.5	493.6	502.4	498.2	33.9	25.4	26.6	24.4	7.0	5.1	5.3	4.9
South Carolina	1,865.2	1,865.0	1,930.7	1,958.9	94.7	111.8	87.2	74.5	5.1	6.0	4.5	3.8
South Dakota	386.6	392.5	389.8	397.8	11.2	12.6	12.0	11.4	2.9	3.2	3.1	2.9
Tennessee	2,700.8	2,744.0	2,707.8	2,759.5	140.1	141.4	146.1	115.7	5.2	5.2	5.4	4.2
Texas	9,588.4	9,674.5	9,850.0	10,118.3	577.4	544.5	529.6	486.9	6.0	5.6	5.4	4.8
Utah	986.6	1,012.0	1,040.0	1,062.7	35.2	35.2	32.3	39.9	3.6	3.5	3.1	3.8
Vermont	318.8	323.6	327.0	330.3	13.5	14.8	13.0	11.2	4.2	4.6	4.0	3.4
Virginia	3,482.2	3,390.8	3,412.8	3,488.1	157.0	149.5	135.1	101.8	4.5	4.4	4.0	2.9
Washington	2,810.0	2,878.8	2,988.9	3,039.2	179.1	187.1	142.4	144.6	6.4	6.5	4.8	4.8
West Virginia	784.8	805.3	803.5	800.0	61.7	60.4	55.3	53.2	7.9	7.5	6.9	6.6
Wisconsin	2,843.9	2,927.3	2,949.4	2,952.0	105.4	103.3	108.4	99.4	3.7	3.5	3.7	3.4
Wyoming	255.3	256.2	251.3	258.0	12.2	12.9	12.8	12.4	4.8	5.0	5.1	4.8
Puerto Rico	1,244.8	1,284.4	1,308.3	1,311.2	170.4	171.9	176.4	174.7	13.7	13.4	13.5	13.3

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

5. Labor force status by State and metropolitan area

(Numbers in thousands)

State and area	Civilian labor force	Unemployed	
		Number	Percent of labor force
		1998	
Alabama	2,152.6	90.8	4.2
Anniston	54.7	2.5	4.5
Birmingham	472.6	13.3	2.8
Decatur	72.9	3.0	4.1
Dothan	66.0	2.3	3.5
Florence	68.8	4.8	7.0
Gadsden	50.1	2.4	4.8
Huntsville	171.3	5.0	2.9
Mobile	270.4	10.4	3.8
Montgomery	162.0	5.2	3.2
Tuscaloosa	83.6	2.3	2.7
Alaska	316.9	18.4	5.8
Anchorage	141.6	5.8	4.1
Arizona	2,272.4	94.1	4.1
Flagstaff	59.9	4.3	7.2
Phoenix-Mesa	1,507.3	41.0	2.7
Tucson	371.9	10.2	2.7
Yuma	65.3	18.2	27.9
Arkansas	1,215.4	67.0	5.5
Fayetteville-Springdale-Rogers	139.1	4.7	3.4
Fort Smith	95.4	5.0	5.3
Jonesboro	41.2	1.7	4.2
Little Rock-North Little Rock	296.1	11.7	4.0
Pine Bluff	36.1	3.0	8.3
California	16,329.2	968.5	5.9
Bakersfield	279.3	33.9	12.1
Chico-Paradise	86.4	7.1	8.3
Fresno	428.6	60.5	14.1
Los Angeles-Long Beach	4,640.7	303.9	6.5
Merced	85.5	12.9	15.1
Modesto	202.3	24.8	12.2
Oakland	1,190.8	46.6	3.9
Orange County	1,435.4	41.4	2.9
Redding	72.1	6.6	9.1
Riverside-San Bernardino	1,382.2	84.9	6.1
Sacramento	758.2	36.9	4.9
Salinas	184.8	19.9	10.8
San Diego	1,319.4	46.4	3.5
San Francisco	948.8	28.1	3.0
San Jose	962.7	31.0	3.2
San Luis Obispo-Atascadero-Paso Robles	108.7	4.5	4.2
Santa Barbara-Santa Maria-Lompoc	195.7	8.7	4.4
Santa Cruz-Watsonville	141.7	10.3	7.3
Santa Rosa	247.8	8.2	3.3
Stockton-Lodi	250.4	26.3	10.5
Vallejo-Fairfield-Napa	243.2	12.6	5.2
Ventura	387.3	21.6	5.6
Visalia-Tulare-Porterville	163.8	25.6	15.6
Yolo	87.3	4.7	5.4
Yuba City	56.3	8.4	14.8
Colorado	2,245.6	86.2	3.8
Boulder-Longmont	172.5	5.7	3.3
Colorado Springs	254.8	11.4	4.5
Denver	1,127.5	35.6	3.2
Fort Collins-Loveland	141.1	5.4	3.8
Grand Junction	58.7	2.9	5.0
Greeley	84.6	3.8	4.5
Pueblo	62.5	4.8	7.6
Connecticut	1,709.3	57.4	3.4
Bridgeport	218.4	8.8	4.0
Danbury	109.8	2.5	2.3
Hartford	580.7	20.1	3.5
New Haven-Meriden	271.3	9.0	3.3
New London-Norwich	152.1	5.9	3.9
Stamford-Norwalk	193.5	4.3	2.2
Waterbury	115.7	4.6	4.0
Delaware	392.3	14.9	3.8
Dover	68.5	2.9	4.2
Wilmington-Newark	294.3	12.1	4.1

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

5. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force	Unemployed	
		Number	Percent of labor force
		1998	
District of Columbia	267.3	23.6	8.8
Washington	2,559.2	81.6	3.2
Florida	7,228.0	310.2	4.3
Daytona Beach	189.2	6.5	3.4
Fort Lauderdale	757.3	34.3	4.5
Fort Myers-Cape Coral	174.5	5.2	3.0
Fort Pierce-Port St. Lucie	121.5	10.5	8.7
Fort Walton Beach	80.1	2.6	3.3
Gainesville	102.7	2.6	2.5
Jacksonville	533.6	16.5	3.1
Lakeland-Winter Haven	197.5	10.8	5.5
Melbourne-Titusville-Palm Bay	204.4	8.7	4.3
Miami	1,037.3	66.9	6.5
Naples	91.8	3.8	4.2
Ocala	96.1	4.0	4.2
Orlando	841.6	25.1	3.0
Panama City	65.7	4.4	6.7
Pensacola	172.4	6.7	3.9
Punta Gorda	44.6	1.6	3.6
Sarasota-Bradenton	260.3	6.6	2.5
Tallahassee	145.6	4.4	3.0
Tampa-St. Petersburg-Clearwater	1,173.2	35.7	3.0
West Palm Beach-Boca Raton	507.8	27.9	5.5
Georgia	4,020.8	169.1	4.2
Albany	57.8	4.7	8.1
Athens	73.6	2.2	3.0
Atlanta	2,123.4	70.8	3.3
Augusta-Aiken	206.1	11.3	5.5
Columbus	125.2	5.9	4.7
Macon	152.5	7.9	5.2
Savannah	134.1	6.0	4.5
Hawaii	597.0	37.3	6.2
Honolulu	429.1	23.0	5.4
Idaho	653.1	32.8	5.0
Boise City	222.8	8.2	3.7
Pocatello	40.4	1.9	4.8
Illinois	6,223.2	277.4	4.5
Bloomington-Normal	85.3	2.0	2.3
Champaign-Urbana	93.2	2.6	2.8
Chicago	4,163.8	177.8	4.3
Davenport-Moline-Rock Island	185.6	6.2	3.4
Decatur	57.7	3.2	5.6
Kankakee	52.4	3.1	6.0
Peoria-Pekin	184.6	6.7	3.6
Rockford	195.9	8.7	4.5
Springfield	106.9	4.2	3.9
Indiana	3,088.3	95.6	3.1
Bloomington	60.7	1.6	2.6
Elkhart-Goshen	95.0	2.3	2.4
Evansville-Henderson	156.9	5.8	3.7
Fort Wayne	265.3	7.4	2.8
Gary	304.4	11.6	3.8
Indianapolis	834.5	21.0	2.5
Kokomo	51.0	1.6	3.2
Lafayette	89.3	2.0	2.2
Muncie	61.5	2.6	4.1
South Bend	136.2	3.8	2.8
Terre Haute	69.6	3.3	4.8
Iowa	1,569.8	43.5	2.8
Cedar Rapids	110.6	2.1	1.9
Des Moines	255.8	5.4	2.1
Dubuque	48.7	1.6	3.2
Iowa City	65.5	1.5	2.3
Sioux City	65.2	1.9	2.9
Waterloo-Cedar Falls	69.7	2.5	3.5

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

5. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force	Unemployed	
		Number	Percent of labor force
1998			
Kansas	1,410.7	54.1	3.8
Lawrence	54.7	2.4	4.4
Topeka	90.7	4.1	4.5
Wichita	287.3	9.4	3.3
Kentucky	1,923.9	88.7	4.6
Lexington	253.0	5.5	2.2
Louisville	549.0	17.8	3.3
Owensboro	49.2	2.2	4.5
Louisiana	2,063.1	118.0	5.7
Alexandria	59.8	3.3	5.5
Baton Rouge	298.3	13.7	4.6
Houma	95.3	3.3	3.4
Lafayette	181.3	10.0	5.5
Lake Charles	92.2	5.0	5.5
Monroe	71.1	3.9	5.5
New Orleans	621.0	30.3	4.9
Shreveport-Bossier City	188.2	12.2	6.5
Maine	651.0	28.7	4.4
Bangor	49.4	1.5	3.1
Lewiston-Auburn	51.6	2.4	4.6
Portland	132.2	3.0	2.3
Maryland	2,756.1	125.4	4.6
Baltimore	1,298.5	66.8	5.1
Cumberland	45.4	3.8	8.3
Hagerstown	69.7	3.0	4.2
Massachusetts	3,273.4	109.1	3.3
Barnstable-Yarmouth	73.2	3.1	4.3
Boston	1,816.6	50.3	2.8
Brockton	131.5	4.9	3.7
Fitchburg-Leominster	69.0	2.7	4.0
Lawrence	198.3	9.2	4.7
Lowell	165.6	5.6	3.4
New Bedford	81.9	5.3	6.5
Pittsfield	39.9	1.7	4.3
Springfield	282.6	10.9	3.8
Worcester	254.2	8.2	3.2
Michigan	5,029.2	194.2	3.9
Ann Arbor	296.4	6.5	2.2
Benton Harbor	82.5	3.7	4.5
Detroit	2,255.5	80.0	3.5
Flint	201.1	11.8	5.9
Grand Rapids-Muskegon-Holland	595.4	18.0	3.0
Jackson	76.5	2.8	3.7
Kalamazoo-Battle Creek	231.4	7.8	3.4
Lansing-East Lansing	242.9	7.8	3.2
Saginaw-Bay City-Midland	199.5	8.7	4.4
Minnesota	2,681.7	68.3	2.5
Duluth-Superior	125.4	5.0	4.0
Minneapolis-St. Paul	1,677.7	33.5	2.0
Rochester	70.1	1.1	1.6
St. Cloud	93.7	2.8	3.0
Mississippi	1,268.7	68.3	5.4
Biloxi-Gulfport-Pascagoula	167.2	6.5	3.9
Hattiesburg	50.9	1.7	3.3
Jackson	225.0	7.8	3.5
Missouri	2,857.3	118.9	4.2
Columbia	83.2	1.3	1.5
Joplin	83.3	3.3	4.0
Kansas City	966.8	36.8	3.8
St. Joseph	49.5	2.3	4.6
St. Louis LMA	1,321.3	57.1	4.3
Springfield	163.8	5.2	3.2
Montana	467.8	26.3	5.6
Billings	70.4	3.1	4.4
Great Falls	38.6	2.1	5.5
Missoula	52.5	2.2	4.3

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

5. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force	Unemployed	
		Number	Percent of labor force
		1998	
Nebraska	916.4	24.7	2.7
Lincoln	142.9	3.2	2.2
Omaha	387.2	9.7	2.5
Nevada	919.8	39.6	4.3
Las Vegas	698.1	29.0	4.2
Reno	175.3	6.6	3.8
New Hampshire	652.2	19.0	2.9
Manchester	103.2	2.6	2.6
Nashua	102.4	2.8	2.8
Portsmouth-Rochester	123.7	3.0	2.4
New Jersey	4,155.0	191.8	4.6
Atlantic-Cape May	173.2	14.7	8.5
Bergen-Passaic	673.2	29.5	4.4
Jersey City	281.5	20.5	7.3
Middlesex-Somerset-Hunterdon	632.6	20.6	3.3
Monmouth-Ocean	514.6	22.3	4.3
Newark	1,009.9	45.0	4.5
Trenton	166.9	6.9	4.1
Vineland-Millville-Bridgeton	65.0	5.8	8.9
New Mexico	831.1	51.4	6.2
Albuquerque	361.7	16.5	4.6
Las Cruces	68.2	5.8	8.5
Santa Fe	74.6	2.5	3.3
New York	8,870.3	498.0	5.6
Albany-Schenectady-Troy	452.4	16.5	3.6
Binghamton	124.6	4.9	3.9
Buffalo-Niagara Falls	575.0	30.7	5.3
Dutchess County	118.4	4.0	3.4
Elmira	44.8	1.9	4.2
Glens Falls	60.2	3.3	5.6
Jamestown	67.6	3.5	5.2
Nassau-Suffolk	1,399.3	45.2	3.2
New York	4,091.7	297.3	7.3
New York City	3,445.2	276.3	8.0
Newburgh	172.8	6.1	3.5
Rochester	575.1	22.8	4.0
Syracuse	362.9	14.8	4.1
Utica-Rome	142.4	6.5	4.5
North Carolina	3,794.2	130.9	3.5
Asheville	109.8	2.9	2.7
Charlotte-Gastonia-Rock Hill	746.3	19.9	2.7
Fayetteville	112.5	4.7	4.1
Goldsboro	47.5	2.1	4.3
Greensboro-Winston-Salem-High Point	632.1	16.8	2.7
Greenville	63.4	2.8	4.4
Hickory-Morganton-Lenoir	169.4	4.6	2.7
Jacksonville	45.1	1.6	3.6
Raleigh-Durham-Chapel Hill	622.2	10.8	1.7
Rocky Mount	66.9	4.6	6.9
Wilmington	105.7	4.4	4.2
North Dakota	347.0	11.1	3.2
Bismarck	54.1	1.6	3.0
Fargo-Moorhead	103.3	1.8	1.7
Grand Forks	53.6	1.4	2.7
Ohio	5,678.3	241.6	4.3
Akron	358.5	14.2	4.0
Canton-Massillon	201.1	8.4	4.2
Cincinnati	838.7	28.5	3.4
Cleveland-Lorain-Elyria	1,105.7	48.3	4.4
Columbus	811.8	21.7	2.7
Dayton-Springfield	470.2	18.4	3.9
Hamilton-Middletown	178.4	5.9	3.3
Lima	73.7	3.4	4.6
Mansfield	82.8	4.9	5.9
Steubenville-Weirton	57.2	3.6	6.2
Toledo	316.5	15.5	4.9
Youngstown-Warren	283.4	16.8	5.9

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

5. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force	Unemployed	
		Number	Percent of labor force
		1998	
Oklahoma	1,627.3	73.6	4.5
Enid	27.8	1.1	3.8
Lawton	41.2	2.1	5.1
Oklahoma City	534.1	20.3	3.8
Tulsa	414.6	14.3	3.4
Oregon	1,762.2	98.5	5.6
Eugene-Springfield	162.3	8.8	5.4
Medford-Ashland	88.1	6.0	6.8
Portland-Vancouver	1,047.7	43.7	4.2
Salem	168.8	9.3	5.5
Pennsylvania	5,936.3	275.1	4.6
Allentown-Bethlehem-Easton	310.7	14.2	4.6
Altoona	62.4	3.1	5.0
Erie	139.0	7.2	5.2
Harrisburg-Lebanon-Carlisle	349.8	10.6	3.0
Johnstown	102.6	6.8	6.6
Lancaster	241.5	7.0	2.9
Philadelphia	2,493.1	107.6	4.3
Pittsburgh	1,151.3	52.7	4.6
Reading	182.8	7.9	4.3
Scranton—Wilkes-Barre—Hazleton	308.5	19.0	6.2
Sharon	56.7	2.4	4.3
State College	66.1	1.8	2.8
Williamsport	57.0	3.3	5.8
York	191.3	7.1	3.7
Rhode Island	498.2	24.4	4.9
Providence-Fall River-Warwick	572.9	28.1	4.9
South Carolina	1,958.9	74.5	3.8
Charleston-North Charleston	265.5	7.8	3.0
Columbia	279.2	5.7	2.0
Florence	64.0	2.9	4.5
Greenville-Spartanburg-Anderson	494.9	13.5	2.7
Myrtle Beach	103.0	3.8	3.7
Sumter	47.3	2.2	4.7
South Dakota	397.8	11.4	2.9
Rapid City	47.3	1.2	2.6
Sioux Falls	100.0	1.7	1.7
Tennessee	2,759.5	115.7	4.2
Chattanooga	220.1	8.8	4.0
Clarksville-Hopkinsville	81.6	3.1	3.8
Jackson	56.4	2.0	3.5
Johnson City-Kingsport-Bristol	223.9	9.8	4.4
Knoxville	344.6	12.3	3.6
Memphis	552.0	20.6	3.7
Nashville	642.2	17.4	2.7
Texas	10,118.3	486.9	4.8
Abilene	61.6	2.2	3.5
Amarillo	112.9	4.0	3.6
Austin-San Marcos	681.7	17.9	2.6
Beaumont-Port Arthur	184.0	13.3	7.2
Brazoria	106.1	6.4	6.1
Brownsville-Harlingen-San Benito	127.8	16.1	12.6
Bryan-College Station	74.0	1.3	1.7
Corpus Christi	177.2	12.0	6.8
Dallas	1,870.1	60.4	3.2
El Paso	289.5	29.6	10.2
Fort Worth-Arlington	879.4	28.9	3.3
Galveston-Texas City	124.5	8.2	6.6
Houston	2,129.4	86.9	4.1
Killeen-Temple	114.9	4.9	4.3
Laredo	73.0	6.7	9.2
Longview-Marshall	105.5	7.4	7.1
Lubbock	123.4	4.1	3.4
McAllen-Edinburg-Mission	195.2	34.5	17.7
Odessa-Midland	128.0	6.8	5.3
San Angelo	52.4	2.1	4.1
San Antonio	759.1	27.8	3.7
Sherman-Denison	50.6	2.4	4.8
Texarkana	56.4	4.2	7.4

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
ANNUAL AVERAGES**

5. Labor force status by State and metropolitan area—Continued

(Numbers in thousands)

State and area	Civilian labor force	Unemployed	
		Number	Percent of labor force
1998			
Texas			
Tyler	90.0	4.6	5.1
Victoria	43.4	2.0	4.5
Waco	101.0	4.3	4.3
Wichita Falls	66.0	3.1	4.7
Utah	1,062.7	39.9	3.8
Provo-Orem	158.7	5.0	3.1
Salt Lake City-Ogden	681.5	24.5	3.6
Vermont	330.3	11.2	3.4
Burlington	99.1	2.3	2.3
Virginia	3,488.1	101.8	2.9
Charlottesville	74.7	1.0	1.4
Danville	56.4	3.1	5.6
Lynchburg	102.1	2.6	2.6
Norfolk-Virginia Beach-Newport News	735.0	25.4	3.5
Richmond-Petersburg	507.0	13.4	2.6
Roanoke	129.6	3.0	2.3
Washington	3,039.2	144.6	4.8
Bellingham	79.1	4.6	5.8
Bremerton	91.3	4.8	5.2
Olympia	99.1	4.9	5.0
Richland-Kennewick-Pasco	93.7	7.0	7.5
Seattle-Bellevue-Everett	1,381.7	42.7	3.1
Spokane	208.6	10.0	4.8
Tacoma	332.5	15.1	4.5
Yakima	114.8	12.0	10.4
West Virginia	800.0	53.2	6.6
Charleston	130.4	6.1	4.7
Huntington-Ashland	136.3	8.8	6.4
Parkersburg-Marietta	76.7	4.6	6.0
Wheeling	72.8	3.8	5.2
Wisconsin	2,952.0	99.4	3.4
Appleton-Oshkosh-Neenah	222.6	6.1	2.7
Eau Claire	83.0	2.7	3.3
Green Bay	131.9	3.6	2.7
Janesville-Beloit	80.0	3.7	4.6
Kenosha	81.2	2.7	3.3
La Crosse	71.9	2.0	2.7
Madison	262.2	4.0	1.5
Milwaukee-Waukesha	809.1	26.9	3.3
Racine	93.5	3.8	4.1
Sheboygan	61.1	1.5	2.4
Wausau	73.6	2.6	3.5
Wyoming	258.0	12.4	4.8
Casper	33.2	1.8	5.4
Cheyenne	39.3	1.4	3.6
Puerto Rico	1,311.2	174.7	13.3
Aguadilla	52.0	9.5	18.2
Arecibo	52.4	8.2	15.6
Caguas	118.6	14.5	12.2
Mayaguez	93.5	14.5	15.5
Ponce	109.9	18.7	17.0
San Juan-Bayamon	713.3	77.4	10.9

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

Area Definitions

Area definitions

State and area	Type of area	Definition
Alabama		
Anniston	MSA	Calhoun County
Birmingham	MSA	Blount, Jefferson, St. Clair, and Shelby Counties
Decatur	MSA	Lawrence and Morgan Counties
Dothan	MSA	Dale and Houston Counties
Florence	MSA	Colbert and Lauderdale Counties
Gadsden	MSA	Etowah County
Huntsville	MSA	Limestone and Madison Counties
Mobile	MSA	Baldwin and Mobile Counties
Montgomery	MSA	Autauga, Elmore, and Montgomery Counties
Tuscaloosa	MSA	Tuscaloosa County
Alaska		
Anchorage	MSA	Anchorage Borough
Arizona		
Flagstaff	MSA	Coconino County, Ariz.; Kane County, Utah
Phoenix-Mesa	MSA	Maricopa and Pinal Counties
Tucson	MSA	Pima County
Yuma	MSA	Yuma County
Arkansas		
Fayetteville-Springdale-Rogers	MSA	Benton and Washington Counties
Fort Smith	MSA	Crawford and Sebastian Counties, Ark.; Sequoyah County, Okla.
Jonesboro	MSA	Craighead County
Little Rock-North Little Rock	MSA	Faulkner, Lonoke, Pulaski, and Saline Counties
Pine Bluff	MSA	Jefferson County
California		
Bakersfield	MSA	Kern County
Chico-Paradise	MSA	Butte County
Fresno	MSA	Fresno and Madera Counties
Los Angeles-Long Beach	PMSA	Los Angeles County
Merced	MSA	Merced County
Modesto	MSA	Stanislaus County
Oakland	PMSA	Alameda and Contra Costa Counties
Orange County	PMSA	Orange County
Redding	MSA	Shasta County
Riverside-San Bernardino	PMSA	Riverside and San Bernardino Counties
Sacramento	PMSA	El Dorado, Placer, and Sacramento Counties
Salinas	MSA	Monterey County
San Diego	MSA	San Diego County
San Francisco	PMSA	Marin, San Francisco, and San Mateo Counties
San Jose	PMSA	Santa Clara County
San Luis Obispo-Atascadero-Paso Robles ...	MSA	San Luis Obispo County
Santa Barbara-Santa Maria-Lompoc	MSA	Santa Barbara County
Santa Cruz-Watsonville	MSA	Santa Cruz County
Santa Rosa	PMSA	Sonoma County
Stockton-Lodi	MSA	San Joaquin County
Vallejo-Fairfield-Napa	PMSA	Napa and Solano Counties
Ventura	PMSA	Ventura County
Visalia-Tulare-Porterville	MSA	Tulare County
Yolo	PMSA	Yolo County
Yuba City	MSA	Sutter and Yuba Counties
Colorado		
Boulder-Longmont	PMSA	Boulder County
Colorado Springs	MSA	El Paso County
Denver	PMSA	Adams, Arapahoe, Denver, Douglas, and Jefferson Counties
Fort Collins-Loveland	MSA	Larimer County
Grand Junction	MSA	Mesa County

Area definitions—Continued

State and area	Type of area	Definition
Colorado—Continued		
Greeley	PMSA	Weld County
Pueblo	MSA	Pueblo County
Connecticut		
Bridgeport	PMSA	Bridgeport and Shelton cities, and Easton, Fairfield, Monroee, Strafford, and Trumbull towns in Fairfield County; Ansonia, Derby, and Milford cities, and Beacon Falls, Oxford, and Seymour towns in New Haven County
Danbury	PMSA	Danbury city and Bethel, Brookfield, New Fairfield, Newton, Redding, Ridgefield, and Sherman towns in Fairfield County; Bridgewater, New Milford, Roxbury, and Washington towns in Litchfield County
Hartford	MSA	Bristol, Hartford, and New Britain cities, and Avon, Berlin, Bloomfield, Burlington, Canton, East Granby, East Hartford, East Windsor, Enfield, Farmington, Glastonbury, Granby, Manchester, Marlborough, Newington, Plainville, Rocky Hill, Simsbury, Southington, South Windsor, Suffield, West Hartford, Wethersfield, Windsor, and Windsor Locks towns in Hartford County; Barkhamsted, Harwinton, New Hartford, Plymouth, and Winchester towns in Litchfield County; Middletown city, and Cromwell, Durham, East Haddam, East Hampton, Haddam, Middlefield, and Portland towns in Middlesex County; Colchester and Lebanon towns in New London County; Andover, Bolton, Columbia, Coventry, Ellington, Hebron, Mansfield, Somers, Stafford, Tolland, Vernon, and Willington towns in Tolland County; Ashford, Chaplin, and Windham towns in Windham County
New Haven-Meriden	PMSA	Clinton and Killingworth towns in Middlesex County; Meriden, New Haven, and West Haven cities, and Bethany, Branford, Cheshire, East Haven, Guilford, Hamden, Madison, North Branford, North Haven, Orange, Wallingford, and Woodbridge towns in New Haven County
New London-Norwich	MSA	Old Saybrook town in Middlesex County; New London and Norwich cities, and Bozrah, East Lyme, Franklin, Griswold, Groton, Ledyard, Lisbon, Montville, North Stonington, Old Lyme, Preston, Salem, Sprague, Stonington, and Waterford towns in New London County; Canterbury and Plainfield towns in Windham County; Hopkinton and Westerly towns in Washington County, R.I.
Stamford-Norwalk	PMSA	Norwalk and Stamford cities, and Darien, Greenwich, New Canaan, Weston, Westport, and Wilton towns in Fairfield County
Waterbury	PMSA	Bethlehem, Thomaston, Watertown, and Woodbury towns in Litchfield County; Waterbury city, Naugatuck borough, and Middlebury, Prospect, Southbury, and Wolcott towns in New Haven County
Delaware		
Dover	MSA	Kent County
Wilmington-Newark	PMSA	New Castle, Del.; Cecil County, Md.
District of Columbia		
Washington	PMSA	District of Columbia; Calvert, Charles, Frederick, Montgomery, and Prince George's Counties, Md.; Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, and Manassas Park cities, and Arlington, Clarke, Culpeper, Fairfax, Fauquier, King George, Loudoun, Prince William, Spotsylvania, Stafford, and Warren Counties, Va.; Berkeley and Jefferson Counties, W. Va.
Florida		
Daytona Beach	MSA	Flagler and Volusia Counties
Fort Lauderdale	PMSA	Broward County
Fort Myers-Cape Coral	MSA	Lee County
Fort Pierce-Port St. Lucie	MSA	Martin and St. Lucie Counties
Fort Walton Beach	MSA	Okaloosa County
Gainesville	MSA	Alachua County
Jacksonville	MSA	Clay, Duval, Nassau, and St. John's Counties
Lakeland-Winter Haven	MSA	Polk County
Melbourne-Titusville-Palm Bay	MSA	Brevard County
Miami	PMSA	Miami-Dade County

Area definitions—Continued

State and area	Type of area	Definition
Florida—Continued		
Naples	MSA	Collier County
Ocala	MSA	Marion County
Orlando	MSA	Lake, Orange, Osceola, and Seminole Counties
Panama City	MSA	Bay County
Pensacola	MSA	Escambia and Santa Rosa Counties
Punta Gorda	MSA	Charlotte County
Sarasota-Bradenton	MSA	Manatee and Sarasota Counties
Tallahassee	MSA	Gadsden and Leon Counties
Tampa-St. Petersburg-Clearwater	MSA	Hernando, Hillsborough, Pasco, and Pinellas Counties
West Palm Beach-Boca Raton	MSA	Palm Beach County
Georgia		
Albany	MSA	Dougherty and Lee Counties
Athens	MSA	Clarke, Madison, and Oconee Counties
Atlanta	MSA	Barrow, Bartow, Carroll, Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Forsyth, Fulton, Gwinnett, Henry, Newton, Paulding, Pickens, Rockdale, Spalding, and Walton Counties
Augusta-Aiken	MSA	Columbia, McDuffie, and Richmond Counties, Ga.; Aiken and Edgefield Counties, S.C.
Columbus	MSA	Chattahoochee, Harris, and Muscogee Counties, Ga.; Russell County, Ala.
Macon	MSA	Bibb, Houston, Jones, Peach, and Twiggs Counties
Savannah	MSA	Bryan, Chatham, and Effingham Counties
Hawaii		
Honolulu	MSA	Honolulu County
Idaho		
Boise City	MSA	Ada and Canyon Counties
Pocatello	MSA	Bannock County
Illinois		
Bloomington-Normal	MSA	McLean County
Champaign-Urbana	MSA	Champaign County
Chicago	PMSA	Cook, DeKalb, Du Page, Grundy, Kane, Kendall, Lake, McHenry, and Will Counties
Davenport-Moline-Rock Island	MSA	Henry and Rock Island Counties, Ill.; Scott County, Iowa
Decatur	MSA	Macon County
Kankakee	PMSA	Kankakee County
Peoria-Pekin	MSA	Peoria, Tazewell, and Woodford Counties
Rockford	MSA	Boone, Ogle, and Winnebago Counties
Springfield	MSA	Menard and Sangamon Counties
Indiana		
Bloomington	MSA	Monroe County
Elkhart-Goshen	MSA	Elkhart County
Evansville-Henderson	MSA	Posey, Vanderburgh, and Warrick Counties, Ind.; Henderson County, Ky.
Fort Wayne	MSA	Adams, Allen, DeKalb, Huntington, Wells, and Whitley Counties
Gary	PMSA	Lake and Porter Counties
Indianapolis	MSA	Boone, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, and Shelby Counties
Kokomo	MSA	Howard and Tipton Counties
Lafayette	MSA	Clinton and Tippecanoe Counties
Muncie	MSA	Delaware County
South Bend	MSA	St. Joseph County
Terre Haute	MSA	Clay, Vermillion, and Vigo Counties
Iowa		
Cedar Rapids	MSA	Linn County
Des Moines	MSA	Dallas, Polk, and Warren Counties
Dubuque	MSA	Dubuque County
Iowa City	MSA	Johnson County
Sioux City	MSA	Woodbury County, Iowa; Dakota County, Neb.

Area definitions—Continued

State and area	Type of area	Definition
Iowa—Continued		
Waterloo-Cedar Falls	MSA	Black Hawk County
Kansas		
Lawrence	MSA	Douglas County
Topeka	MSA	Shawnee County
Wichita	MSA	Butler, Harvey, and Sedgwick Counties
Kentucky		
Lexington	MSA	Bourbon, Clark, Fayette, Jessamine, Madison, Scott, and Woodford Counties
Louisville	MSA	Bullitt, Jefferson, and Oldham Counties, Ky.; Clark, Floyd, Harrison, and Scott Counties, Ind.
Owensboro	MSA	Daviess County
Louisiana		
Alexandria	MSA	Rapides Parish
Baton Rouge	MSA	Ascension, East Baton Rouge, Livingston, and West Baton Rouge Parishes
Houma	MSA	Lafourche and Terrebonne Parishes
Lafayette	MSA	Acadia, Lafayette, St. Landry, and St. Martin Parishes
Lake Charles	MSA	Calcasieu Parish
Monroe	MSA	Ouachita Parish
New Orleans	MSA	Jefferson, Orleans, Plaquemines, St. Bernard, St. Charles, St. James, St. John the Baptist, and St. Tammany Parishes
Shreveport-Bossier City	MSA	Bossier, Caddo, and Webster Parishes
Maine		
Bangor	MSA	Bangor, Brewer, and Old Town cities; Eddington, Glenburn, Hampden, Hermon, Holden, Kenduskeag, Milford, Oronto, Orrington, and Veazie towns; and the Penobscot Indian Island Indian Reservation in Penobscot County; Winterport town in Waldo County
Lewiston-Auburn	MSA	Auburn and Lewiston cities, and Greene, Lisbon, Mechanic Falls, Poland, Sabattus, Turner, and Wales towns in Androscoggin County
Portland	MSA	Portland, South Portland, and Westbrook cities, and Cape Elizabeth, Casco, Cumberland, Falmouth, Freeport, Gorham, Gray, North Yarmouth, Raymond, Scarborough, Standish, Windham, and Yarmouth towns in Cumberland County; Buxton, Hollis, Limington, and Old Orchard Beach towns in York County
Maryland		
Baltimore	PMSA	Baltimore city, and Anne Arundel, Baltimore, Carroll, Harford, Howard, and Queen Anne's Counties
Baltimore City		Baltimore City
Cumberland	MSA	Allegany County, Md., and Mineral County, W.Va.
Hagerstown	PMSA	Washington County
Suburban Maryland-D.C.		Calvert, Charles, Frederick, Montgomery, and Prince George's Counties
Massachusetts		
Barnstable-Yarmouth	MSA	Barnstable, Brewster, Chatham, Dennis, Eastham, Harwich, Mashpee, Orleans, Sandwich, and Yarmouth towns in Barnstable County
Boston	PMSA	Taunton city, and Berkley, Dighton, Mansfield, and Norton towns in Bristol County; Beverly, Gloucester, Lynn, Newburyport, Peabody, and Salem cities, and Amesbury, Danvers, Essex, Hamilton, Ipswich, Lynnfield, Manchester, Marblehead, Middleton, Nahant, Newbury, Rockport, Rowley, Salisbury, Saugus, Swampscott, Topsfield, and Wenham towns in Essex County; Cambridge, Everett, Malden, Marlborough, Medford, Melrose, Newton, Somerville, Waltham, and Woburn cities, and Acton, Arlington, Ashland, Ayer, Bedford, Belmont, Boxborough, Burlington, Carlisle, Concord, Framingham, Holliston, Hopkinton, Hudson, Lexington, Lincoln, Littleton, Maynard, Natick, North Reading, Reading, Sherborn, Shirley, Stoneham, Stow, Sudbury, Townsend, Wakefield, Watertown,

Area definitions-Continued

State and area	Type of area	Definition
Massachusetts		
Boston	PMSA	Wayland, Weston, Wilmington, and Winchester towns in Middlesex County; Quincy city, and Bellingham, Braintree, Brookline, Canton, Cohasset, Dedham, Dover, Foxborough, Franklin, Holbrook, Medfield, Medway, Millis, Milton, Needham, Norfolk, Norwood, Plainville, Randolph, Sharon, Stoughton, Walpole, Wellesley, Westwood, Weymouth, and Wrentham towns in Norfolk County; Carver, Duxbury, Hanover, Hingham, Hull, Kingston, Marshfield, Norwell, Pembroke, Plymouth, Rockland, Scituate, and Wareham towns in Plymouth County; Boston, Chelsea, and Revere cities, and Winthrop town in Suffolk County; Berlin, Blackstone, Bolton, Harvard, Hopedale, Lancaster, Mendon, Milford, Milville, Southborough, and Upton towns in Worcester County, Mass.; Seabrook and South Hampton towns in Rockingham County, N.H.
Brockton	PMSA	Easton and Raynham towns in Bristol County; Avon town in Norfolk County; Brockton city, and Abington, Bridgewater, East Bridgewater, Halifax, Hanson, Lakeville, Middleborough, Plympton, West Bridgewater, and Whitman towns in Plymouth County
Fitchburg-Leominster	PMSA	Ashby town in Middlesex County; Fitchburg, Gardner, and Leominster cities, and Ashburnham, Lunenburg, Templeton, Westminster, and Winchendon towns in Worcester County
Lawrence	PMSA	Haverhill and Lawrence cities, and Andover, Boxford, Georgetown, Groveland, Merrimac, Methuen, North Andover, and West Newbury towns in Essex County, Mass.; Atkinson, Chester, Danville, Derry, Fremont, Hampstead, Kingston, Newton, Plaistow, Raymond, Salem, Sandown, and Windham towns in Rockingham County, N.H.
Lowell	PMSA	Lowell city, and Billerica, Chelmsford, Dracut, Dunstable, Groton, Pepperell, Tewksbury, Tyngsborough, and Westford towns in Middlesex County, Mass.; Pelham town in Hillsborough County, N.H.
New Bedford	PMSA	New Bedford city, and Acushnet, Dartmouth, Fairhaven, and Freetown towns in Bristol County; Marion, Taftaposeft, and Rochester towns in Plymouth County
Pittsfield	MSA	Pittsfield city, and Adams, Cheshire, Dalton, Hinsdale, Lanesborough, Lee, Lenox, Richmond, and Stockbridge towns in Berkshire County
Springfield	MSA	Sunderland town in Franklin County; Chicopee, Holyoke, Springfield, and Westfield cities, and Agawam, East Longmeadow, Hampden, Longmeadow, Ludlow, Monson, Montgomery, Palmer, Russell, Southwick, West Springfield, and Wilbraham towns in Hampden County; Northampton city, and Amherst, Belchertown, Easthampton, Granby, Hadley, Hatfield, Huntington, Southampton, South Hadley, Ware, and Williamsburg towns in Hampshire County
Worcester	PMSA	Holland town in Hampden County; Worcester city, and Auburn, Barre, Boylston, Brookfield, Charlton, Clinton, Douglas, Dudley, East Brookfield, Grafton, Holden, Leicester, Millbury, Northborough, Northbridge, North Brookfield, Oakham, Oxford, Paxton, Princeton, Rutland, Shrewsbury, Southbridge, Spencer, Sterling, Sturbridge, Sutton, Uxbridge, Webster, Westborough, West Boylston, and West Brookfield towns in Worcester County, Mass.; Thompson town in Windham County, Conn.
Michigan		
Ann Arbor	PMSA	Lenawee, Livingston, and Washtenaw Counties
Benton Harbor	MSA	Berrien County
Detroit	PMSA	Lapeer, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties
Flint	PMSA	Genesee County
Grand Rapids-Muskegon-Holland	MSA	Allegan, Kent, Muskegon, and Ottawa Counties
Jackson	MSA	Jackson County
Kalamazoo-Battle Creek	MSA	Calhoun, Kalamazoo, and Van Buren Counties
Lansing-East Lansing	MSA	Clinton, Eaton, and Ingham Counties

Area definitions-Continued

State and area	Type of area	Definition
Michigan—Continued		
Saginaw-Bay City-Midland	MSA	Bay, Midland, and Saginaw Counties
Minnesota		
Duluth-Superior	MSA	St. Louis County, Minn.; Douglas County, Wis.
Minneapolis-St. Paul	MSA	Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright Counties, Minn.; Pierce and St. Croix Counties, Wis.
Rochester	MSA	Olmsted County
St. Cloud	MSA	Benton and Stearns Counties
Mississippi		
Biloxi-Gulfport-Pascagoula	MSA	Hancock, Harrison, and Jackson Counties
Hattiesburg	MSA	Forrest and Lamar Counties
Jackson	MSA	Hinds, Madison, and Rankin Counties
Missouri		
Columbia	MSA	Boone County
Joplin	MSA	Jasper and Newton Counties
Kansas City	MSA	Cass, Clay, Clinton, Jackson, Lafayette, Platte and Ray Counties, Mo.; Johnson, Leavenworth, Miami, and Wyandotte Counties, Kan.
St. Louis	MSA ¹	St. Louis city, and Franklin, Jefferson, Lincoln, St. Charles, St. Louis, and Warren Counties, Mo.; Clinton, Jersey, Madison, Monroe, and St. Clair Counties, Ill.
Springfield	MSA	Christian, Greene, and Webster Counties
Montana		
Billings	MSA	Yellowstone County
Great Falls	MSA	Cascade County
Missoula	MSA	Missoula County
Nebraska		
Lincoln	MSA	Lancaster County
Omaha	MSA	Cass, Douglas, Sarpy, and Washington Counties, Neb.; Pottawattamie County, Iowa
Nevada		
Las Vegas	MSA	Clark and Nye Counties, Nev.; Mohave County, Ariz.
Reno	MSA	Washoe County
New Hampshire		
Manchester	PMSA	Manchester city, and Bedford, Goffstown, and Weare towns in Hillsborough County; Allenstown and Hooksett towns in Merrimack County; Auburn, Candia, and Londonderry towns in Rockingham County
Nashua	PMSA	Nashua city, and Amherst, Brookline, Greenville, Hollis, Hudson, Litchfield, Mason, Merrimack, Milford, Mont Vernon, New Ipswich, and Wilton towns in Hillsborough County
Portsmouth-Rochester	PMSA	Portsmouth city and Brentwood, East Kingston, Epping, Exeter, Greenland, Hampton, Hampton Falls, Kensington, New Castle, Newfields, Newington, Newmarket, North Hampton, Rye, and Stratham towns in Rockingham County; Dover, Rochester and Somersworth cities, and Barrington, Durham, Farmington, Lee, Madbury, Milton, and Rollinsford towns in Strafford County, N.H.; and Berwick, Eliot, Kittery, South Berwick, and York towns in York County, Maine
New Jersey		
Atlantic-Cape May	PMSA	Atlantic and Cape May Counties
Bergen-Passaic	PMSA	Bergen and Passaic Counties
Camden	PMSA	Burlington, Camden, and Gloucester Counties
Jersey City	PMSA	Hudson County
Middlesex-Somerset-Hunterdon	PMSA	Hunterdon, Middlesex, and Somerset Counties
Monmouth-Ocean	PMSA	Monmouth and Ocean Counties
Newark	PMSA	Essex, Morris, Sussex, Union, and Warren Counties
Trenton	PMSA	Mercer County
Vineland-Millville-Bridgeton	PMSA	Cumberland County

Area definitions-Continued

State and area	Type of area	Definition
New Mexico		
Albuquerque	MSA	Bernalillo, Sandoval, and Valencia Counties
Las Cruces	MSA	Dona Ana County
Santa Fe	MSA	Los Alamos and Santa Fe Counties
New York		
Albany-Schenectady-Troy	MSA	Albany, Montgomery, Rensselaer, Saratoga, Schenectady, and Schoharie Counties
Binghamton	MSA	Broome and Tioga Counties
Buffalo-Niagara Falls	MSA	Erie and Niagara Counties
Dutchess County	PMSA	Dutchess County
Elmira	MSA	Chemung County
Glens Falls	MSA	Warren and Washington Counties
Jamestown	MSA	Chautauqua County
Nassau-Suffolk	PMSA	Nassau and Suffolk Counties
New York	PMSA	Bronx, Kings, New York, Putnam, Queens, Richmond, Rockland, and Westchester Counties
New York City		Bronx, Kings, New York, Queens, and Richmond Counties
Newburgh	PMSA	Orange County, N.Y.; Pike County, Pa.
Rochester	MSA	Genesee, Livingston, Monroe, Ontario, Orleans, and Wayne Counties
Rockland County		Rockland County
Syracuse	MSA	Cayuga, Madison, Onondaga, and Oswego Counties
Utica-Rome	MSA	Herkimer and Oneida Counties
Westchester County		Westchester County
North Carolina		
Asheville	MSA	Buncombe and Madison Counties
Charlotte-Gastonia-Rock Hill	MSA	Cabarrus, Gaston, Lincoln, Mecklenburg, Rowan, and Union Counties, N.C.; York County, S.C.
Fayetteville	MSA	Cumberland County
Goldensboro	MSA	Wayne County
Greensboro-Winston-Salem-High Point	MSA	Alamance, Davidson, Davie, Forsyth, Guilford, Randolph, Stokes, and Yadkin Counties
Greenville	MSA	Pitt County
Hickory-Morgantown-Lenoir	MSA	Alexander, Burke, Caldwell, and Catawba Counties
Jacksonville	MSA	Onslow County
Raleigh-Durham-Chapel Hill	MSA	Chatham, Durham, Franklin, Johnston, Orange, and Wake Counties
Rocky Mount	MSA	Edgecombe and Nash Counties
Wilmington	MSA	Brunswick and New Hanover Counties
North Dakota		
Bismarck	MSA	Burleigh and Morton Counties
Fargo-Moorhead	MSA	Cass County, N.D.; Clay County, Minn.
Grand Forks	MSA	Grand Forks County, N.D.; Polk County, Minn.
Ohio		
Akron	PMSA	Portage and Summit Counties
Canton-Massillon	MSA	Carroll and Stark Counties
Cincinnati	PMSA	Brown, Clermont, Hamilton, and Warren Counties, Ohio; Boone, Campbell, Gallatin, Grant, Kenton, and Pendleton Counties, Ky.; Dearborn and Ohio Counties, Ind.
Cleveland-Lorain-Elyria	PMSA	Ashtabula, Cuyahoga, Geauga, Lake, Lorain, and Medina Counties
Columbus	MSA	Delaware, Fairfield, Franklin, Licking, Madison, and Pickaway Counties
Dayton-Springfield	MSA	Clark, Greene, Miami, and Montgomery Counties
Hamilton-Middletown	PMSA	Butler County
Lima	MSA	Allan and Auglaize Counties
Mansfield	MSA	Crawford and Richland Counties
Steubenville-Weirton	MSA	Jefferson County, Ohio; Brooke and Hancock Counties, W. Va.
Toledo	MSA	Fulton, Lucas, and Wood Counties
Youngstown-Warren	MSA	Columbiana, Mahoning, and Trumbull Counties
Oklahoma		
Enid	MSA	Garfield County

Area definitions-Continued

State and area	Type of area	Definition
Oklahoma—Continued		
Lawton	MSA	Comanche County
Oklahoma City	MSA	Canadian, Cleveland, Logan, McClain, Oklahoma, and Pottawatomie Counties
Tulsa	MSA	Creek, Osage, Rogers, Tulsa, and Wagoner Counties
Oregon		
Eugene-Springfield	MSA	Lane County
Medford-Ashland	MSA	Jackson County
Portland-Vancouver	PMSA	Clackamas, Columbia, Multnomah, Washington, and Yamhill Counties, Ore.; Clark County, Wash.
Salem	PMSA	Marion and Polk Counties
Pennsylvania		
Allentown-Bethlehem-Easton	MSA	Carbon, Lehigh, and Northampton Counties
Altoona	MSA	Blair County
Erie	MSA	Erie County
Harrisburg-Lebanon-Carlisle	MSA	Cumberland, Dauphin, Lebanon, and Perry Counties
Johnstown	MSA	Cambria and Somerset Counties
Lancaster	MSA	Lancaster County
Philadelphia	PMSA	Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pa.; Burlington, Camden, Gloucester, and Salem Counties, N.J.
Philadelphia City		Philadelphia County
Pittsburgh	MSA	Allegheny, Beaver, Butler, Fayette, Washington, and Westmoreland Counties
Reading	MSA	Berks County
Scranton-Wilkes-Barre-Hazleton	MSA	Columbia, Lackawanna, Luzerne, and Wyoming Counties
Sharon	MSA	Mercer County
State College	MSA	Centre County
Williamsport	MSA	Lycoming County
York	MSA	York County
Puerto Rico		
Aguadilla	MSA	Aguada, Aguadilla, and Moca Municipios
Arecibo	PMSA	Arecibo, Camuy, and Hatillo Municipios
Caguas	PMSA	Caguas, Cayey, Cidra, Gurabo, and San Lorenzo Municipios
Mayaguez	MSA	Anasco, Cabo Rojo, Hormigueros, Mayaguez, Sabana Grande, and San German Municipios
Ponce	MSA	Guayanilla, Juana Diaz, Penuelas, Ponce, Villalba, and Yauco Municipios
San Juan-Bayamon	PMSA	Aguas Buenas, Barceloneta, Bayamon, Canovanas, Carolina, Catano, Ceiba, Comerio, Corozal, Dorado, Fajardo, Florida, Guaynabo, Humacao, Juncos, Las Piedras, Loiza, Luquillo, Manati, Morovis, Naguabo, Naranjito, Rio Grande, San Juan, Toa Alta, Toa Baja, Trujillo Alto, Vega Alta, Vega Baja, and Yabucoa Municipios
Rhode Island		
Providence-Fall River-Warwick	MSA	Barrington, Bristol, and Warren towns in Bristol County; Warwick city, and Coventry, East Greenwich, West Greenwich, and West Warwick towns in Kent County; Jamestown, Little Compton, and Tiverton towns in Newport County; Central Falls, Cranston, East Providence, Pawtucket, Providence, and Woonsocket cities, and Burrillville, Cumberland, Foster, Glocester, Johnston, Lincoln, North Providence, North Smithfield, Scituate, and Smithfield towns in Providence County; Charlestown, Exeter, Narragansett, North Kingstown, Richmond, and South Kingstown towns in Washington County, R.I.; Attleboro and Fall River cities, and North Attleboro, Rehoboth, Seekonk, Somerset, Swansea, and Westport towns in Bristol County, Mass.
South Carolina		
Charleston-North Charleston	MSA	Berkeley, Charleston, and Dorchester Counties
Columbia	MSA	Lexington and Richland Counties
Florence	MSA	Florence County
Greenville-Spartanburg-Anderson	MSA	Anderson, Cherokee, Greenville, Pickens, and Spartanburg Counties
Myrtle Beach	MSA	Horry County
Sumter	MSA	Sumter County

Area definitions—Continued

State and area	Type of area	Definition
South Dakota		
Rapid City	MSA	Pennington County
Sioux Falls	MSA	Lincoln and Minnehaha Counties
Tennessee		
Chattanooga	MSA	Hamilton and Marion Counties, Tenn.; Catoosa, Dade, and Walker Counties, Ga.
Clarksville-Hopkinsville	MSA	Montgomery County, Tenn., Christian County, Ky.
Jackson	MSA	Madison County
Johnson City-Kingsport-Bristol	MSA	Carter, Hawkins, Sullivan, Unicoi, and Washington Counties, Tenn.; Bristol city, and Scott and Washington Counties, Va.
Knoxville	MSA	Anderson, Blount, Knox, Loudon, Sevier, and Union Counties
Memphis	MSA	Fayette, Shelby, and Tipton Counties, Tenn.; Crittenden County, Ark.; DeSoto County, Miss.
Nashville	MSA	Cheatham, Davidson, Dickson, Robertson, Rutherford, Sumner, Williamson, and Wilson Counties
Texas		
Abilene	MSA	Taylor County
Amarillo	MSA	Potter and Randall Counties
Austin-San Marcos	MSA	Bastrop, Caldwell, Hays, Travis, and Williamson Counties
Beaumont-Port Arthur	MSA	Hardin, Jefferson, and Orange Counties
Brazoria	PMSA	Brazoria County
Brownsville-Harlingen-San Benito	MSA	Cameron County
Bryan-College Station	MSA	Brazos County
Corpus Christi	MSA	Nueces and San Patricio Counties
Dallas	PMSA	Collin, Dallas, Denton, Ellis, Henderson, Hunt, Kaufman, and Rockwall Counties
El Paso	MSA	El Paso County
Fort Worth-Arlington	PMSA	Hood, Johnson, Parker, and Tarrant Counties
Galveston-Texas City	PMSA	Galveston County
Houston	PMSA	Chambers, Fort Bend, Harris, Liberty, Montgomery, and Waller Counties
Killeen-Temple	MSA	Bell and Coryell Counties
Laredo	MSA	Webb County
Longview-Marshall	MSA	Gregg, Harrison, and Upshur Counties
Lubbock	MSA	Lubbock County
McAllen-Edinburg-Mission	MSA	Hidalgo County
Odessa-Midland	MSA	Ector and Midland Counties
San Angelo	MSA	Tom Green County
San Antonio	MSA	Bexar, Comal, Guadalupe, and Wilson Counties
Sherman-Denison	MSA	Grayson County
Texarkana	MSA	Bowie County, Tex.; Miller County, Ark.
Tyler	MSA	Smith County
Victoria	MSA	Victoria County
Waco	MSA	McLennan County
Wichita Falls	MSA	Archer and Wichita Counties
Utah		
Provo-Orem	MSA	Utah County
Salt Lake City-Ogden	MSA	Davis, Salt Lake, and Weber Counties
Vermont		
Barre-Montpelier		East Granville town in Addison County; Groton and Ryegate towns in Caledonia County; Bolton and Huntington towns in Chittenden County; Bradford, Braintree, Brookfield, Chelsea, Corinth, Fairlee, Newbury, Orange, Randolph, Topsham, Vershire, Washington, West Fairlee, and Williamstown towns in Orange County; and Barre city and Barre, Berlin, Cabot, Calais, Duxbury, East Montpelier, Fayston, Marshfield, Middlesex, Montpelier, Moretown, Northfield, Plainfield, Roxbury, Waitsfield, Warren, and Waterbury towns in Washington County
Burlington	MSA	Burlington, South Burlington, and Winooski cities, and Charlotte, Colchester, Essex, Hinesburg, Jericho, Milton, Richmond, St. George, Shelburne, and Williston towns in Chittenden County; St. Albans city, and Fairfax, Georgia, St. Albans, and Swanton towns in Franklin County; Grand Isle and South Hero towns in Grand Isle County

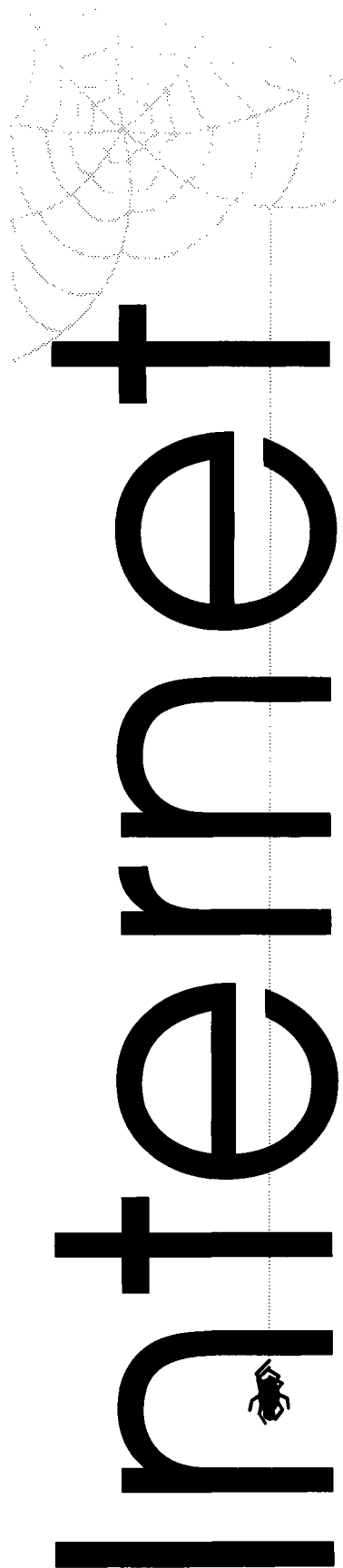
Area definitions—Continued

State and area	Type of area	Definition
Virginia		
Bristol		Bristol city, and Scott and Washington Counties
Charlottesville	MSA	Charlottesville city, and Albemarle, Fluvanna, and Greene Counties
Danville	MSA	Danville city and Pittsylvania County
Lynchburg	MSA	Bedford and Lynchburg cities, and Amherst, Bedford, and Campbell Counties
Norfolk-Virginia Beach-Newport News	MSA	Chesapeake, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, and Williamsburg cities, and Gloucester, Isle of Wight, James City, Mathews, and York Counties, Va.; Currituck County, N.C.
Northern Virginia		Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, and Manassas Park cities, and Arlington, Clarke, Culpeper, Fairfax, Fauquier, King George, Loudoun, Prince William, Spotsylvania, Stafford, and Warren Counties
Richmond-Petersburg	MSA	Colonial Heights, Hopewell, Petersburg, and Richmond cities, and Charles City, Chesterfield, Dinwiddie, Goochland, Hanover, Henrico, New Kent, Powhatan, and Prince George Counties
Roanoke	MSA	Roanoke and Salem cities, and Botetourt and Roanoke Counties
Washington		
Bellingham	MSA	Whatcom County
Bremerton	PMSA	Kitsap County
Olympia	PMSA	Thurston County
Richland-Kennewick-Pasco	MSA	Benton and Franklin Counties
Seattle-Bellevue-Everett	PMSA	Island, King, and Snohomish Counties
Spokane	MSA	Spokane County
Tacoma	PMSA	Pierce County
Yakima	MSA	Yakima County
West Virginia		
Charleston	MSA	Kanawha and Putnam Counties
Huntington-Ashland	MSA	Cabell and Wayne Counties, W. Va.; Boyd, Carter, and Greenup Counties, Ky.; Lawrence County, Ohio
Parkersburg-Marietta	MSA	Wood County, W. Va.; Washington County, Ohio
Wheeling	MSA	Marshall and Ohio Counties, W. Va.; Belmont County, Ohio
Wisconsin		
Appleton-Oshkosh-Neenah	MSA	Calumet, Outagamie, and Winnebago Counties
Eau Claire	MSA	Chippewa and Eau Claire Counties
Green Bay	MSA	Brown County
Janesville-Beloit	MSA	Rock County
Kenosha	PMSA	Kenosha County
La Crosse	MSA	La Crosse County, Wis.; Houston County, Minn.
Madison	MSA	Dane County
Milwaukee-Waukesha	PMSA	Milwaukee, Ozaukee, Washington, and Waukesha Counties
Racine	PMSA	Racine County
Sheboygan	MSA	Sheboygan County
Wausau	MSA	Marathon County
Wyoming		
Casper	MSA	Natrona County
Cheyenne	MSA	Laramie County

¹ This is not the official Office of Management and Budget (OMB) Missouri definition. Excluded is the part of Sullivan City in Crawford County.

NOTE: These definitions are those used for the 335 metropolitan

areas published through the Local Area Unemployment Statistics (LAUS) program (table C-3). About 272 of these areas and other selected jurisdictions are published through the Current Employment Statistics (CES) program (tables B-14 and B-18).



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Bureau of Labor Statistics <http://stats.bls.gov>
Division of Information Services <http://stats.bls.gov/opbinfo.htm>
BLS Regional Offices <http://stats.bls.gov/regnhome.htm>

Employment and Unemployment:

Employment, hours, and earnings by industry
National <http://stats.bls.gov/ceshome.htm>
State and area <http://stats.bls.gov/790home.htm>
National labor force data <http://stats.bls.gov/cpshome.htm>
Region, State, and metropolitan area
labor force data <http://stats.bls.gov/lauhome.htm>
Longitudinal research <http://stats.bls.gov/nlshome.htm>
Covered employment and wages <http://stats.bls.gov/cewhome.htm>
Occupational employment statistics <http://stats.bls.gov/oeshome.htm>
Mass layoff statistics <http://stats.bls.gov/lauhome.htm>

Prices and Living Conditions:

Consumer price indexes <http://stats.bls.gov/cpihome.htm>
Producer price indexes <http://stats.bls.gov/ppihome.htm>
Consumer Expenditure Survey <http://stats.bls.gov/csxhome.htm>

Compensation and Working Conditions:

National Compensation Survey <http://stats.bls.gov/comhome.htm>
Collective bargaining <http://stats.bls.gov/cbahome.htm>
Employment cost trends <http://stats.bls.gov/ecthome.htm>
Employee Benefits Survey <http://stats.bls.gov/ebshome.htm>
Occupational Compensation Survey <http://stats.bls.gov/ocshome.htm>
Safety and health <http://stats.bls.gov/oshhome.htm>

Productivity:

Quarterly labor productivity <http://stats.bls.gov/lprhome.htm>
Industry productivity <http://stats.bls.gov/iprhome.htm>
Multifactor productivity <http://stats.bls.gov/mprhome.htm>

Employment Projections <http://stats.bls.gov/emphome.htm>

International data:

Foreign labor statistics <http://stats.bls.gov/flshome.htm>
U.S. import and export price indexes <http://stats.bls.gov/ipphome.htm>

Explanatory Notes and Estimates of Error

Introduction

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

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

Data based on establishment records are compiled each month from mail questionnaires and telephone interviews by the Bureau of Labor Statistics, in cooperation with State agencies. The Current Employment Statistics (CES) survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of about 390,000 establishments employing about 48 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of variations in definitions and coverage, source of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on the levels and trends of the two data series are as follows.

Employment

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

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

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

Hours of work

The household survey measures hours worked for all workers whereas the payroll survey measures hours for private production and nonsupervisory workers paid for by

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

Earnings

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

COMPARABILITY OF HOUSEHOLD DATA WITH OTHER SERIES

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

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

For an examination of the similarities and differences between State insured unemployment and total unemploy-

ment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*.

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

COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

Household Data

("A" tables, monthly; "Data" tables, quarterly)

COLLECTION AND COVERAGE

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

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

CONCEPTS AND DEFINITIONS

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

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

Employed persons. All persons who, during the reference week, (a) did any work at all (at least 1 hour) as paid employees, worked in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of vacation, illness, bad weather, child-care problems, maternity or paternity leave, labor-management dispute, job training, or other family or personal reasons, whether or not they were paid for the time off or were seeking other jobs.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Multiple jobholders. These are employed persons who, during the reference week, had either two or more jobs as a wage and salary worker, were self-employed and also held a wage and salary job, or worked as an unpaid family worker and also held a wage and salary job. Excluded are self-employed persons with multiple businesses and persons with multiple jobs as unpaid family workers.

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

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

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

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

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

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

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

Family. A family is defined as a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent.

HISTORICAL COMPARABILITY

Changes in concepts and methods

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

- In 1945, the questionnaire was radically changed with

the introduction of four basic employment questions. Prior to that time, the survey did not contain specific question wording, but rather relied on a complicated scheme of activity prioritization.

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

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

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

- In 1967, More substantive changes were made as a result of the recommendations of the President’s Committee to Appraise Employment and Unemployment Statistics (the Gordon Committee). The principal improvements were as follows:

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

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

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

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

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

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

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

- a) The introduction of a redesigned and automated questionnaire. The CPS questionnaire was totally redesigned in order to obtain more accurate, comprehensive, and relevant information, and to take advantage of state-of-the-art computer interviewing techniques.

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

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

sons who usually work full time but worked part time for an economic reason during the reference week are assumed to meet these criteria.)

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

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

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

Noncomparability of labor force levels

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

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

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

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

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

- In March 1973, a subsequent population adjustment based on the 1970 census was introduced. This adjustment,

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

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

- Effective in July 1975, as a result of the large inflow of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000 — (30,000 men and 46,000 women). The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, with all of the changes being confined to the “other” component of the population.

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

- Beginning in October 1978, the race of the individual was determined by the household respondent for the incoming rotation group households, rather than by the interviewer as before. The purpose of this change was to provide more accurate estimates of characteristics by race. Thus, in October 1978, one-eighth of the sample households had race determined by the household respondent and 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 also is described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 (described above), and data users should consider them when comparing estimates from different periods.

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

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

- Beginning in January 1986, the population controls used in the second-stage ratio adjustment method were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of emigrants among legal 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, 1990 census-based population controls, adjusted for the estimated undercount, were introduced into the second stage estimation procedure. This change resulted in substantial increases in total population and in all major labor force categories. Effective February 1996, these controls were introduced into the estimates for 1990-93. Under the new population controls, the civilian noninstitutional population for 1990 increased by about 1.1 million, employment by about 880,000, and unemployment by approximately 175,000. The overall unemployment rate rose by about 0.1 percentage point. For further information, see "Revisions in the Current Population Survey Effective January 1994," and "Revisions in Household Survey Data Effective February 1996" in the February 1994 and March 1996 issues, respectively, of this publication.

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

- Beginning in January 1997, the population controls used in the second-stage ratio adjustment method were revised to reflect updated information on the demographic characteristics of immigrants to, and emigrants from, the United States. As a result, the civilian noninstitutional population 16 years and over was raised by about 470,000. The labor force and employment levels were increased by about 320,000, and 290,000, respectively. The Hispanic-origin population and labor force estimates were raised by about 450,000 and 250,000 respectively, and Hispanic employment by 325,000. Overall and subgroup unemployment rates and other percentages of labor market participation were not affected. An explanation of the changes and their effect on national labor force estimates appear in "Revisions in the Current Population Survey Effective January 1997" in the February 1997 issue of this publication.

- Beginning in January 1998, new composite estimation procedures and minor revisions in the population controls were introduced into the household survey. The new composite estimation procedures simplify processing of the

monthly labor force data at BLS, allow users of the survey microdata to replicate more easily the official estimates released by BLS, and increase the reliability of the employment and labor force estimates. The new procedures also produce somewhat lower estimates of the civilian labor force and employment and slightly higher estimates of unemployment. For example, based on 1997 annual average data, using old and new composite weights, the differences were as follows: Civilian labor force (-229,000), total employed (-256,000), and total unemployed (+27,000). Unemployment rates were not significantly affected.

Also beginning in January 1998, the population controls used in the survey were revised to reflect new estimates of legal immigration to the U.S. and a change in the method for projecting the emigration of foreign-born legal residents. As a result, the Hispanic-origin population was raised by about 57,000; however, the total civilian noninstitutional population 16 years and over was essentially unchanged. More detailed information on these changes and their effect on the estimates of labor force change and composition appear in "Revisions in the Current Population Survey Effective January 1998," in the February 1998 issue of this publication.

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

Changes in the occupational and industrial classification systems

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were

not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of this publication.

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

The industrial classification system used in the 1980 census was based on the 1972 Standard Industrial Classification (SIC) system, as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from "retail" to "wholesale" trade, postal service from "public administration" to "transportation," and some interchange between "professional and related services" and "public administration." Additional information on the 1980 census occupational and industrial classification systems appears in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of this publication.

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

Sampling

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

Changes in this regard since 1960 are as follows: When

Alaska and Hawaii received statehood in 1959 and 1960, respectively, three sample areas were added to the existing sample to account for the population of these States. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia, was designed to provide more reliable annual average estimates for States. In October 1978, a coverage improvement sample of approximately 450 sample household units representing 237,000 occupied mobile homes and 600,000 new construction housing units was added. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added. A sample reduction of about 6,000 units was implemented in May 1981. In January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to the Standard Metropolitan Statistical Areas (SMSAs), which were redefined in 1973. In January 1985, a new 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 1990s. Households from this new sample were phased into the CPS between April 1994 and July 1995. The July 1995 sample was the first monthly sample based entirely on the 1990 census. For further information on the 1990 sample redesign, see “Redesign of the Sample for the Current Population Survey” in the May 1994 issue of this publication.

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

The current sample design, introduced in January 1996, includes about 59,000 households from 754 sample areas and maintains a 1.9-percent CV on national monthly estimates of unemployment level. This translates into a change of 0.2 percentage point in the unemployment rate being significant at a 90-percent confidence level. For each of the 50 States and for the District of Columbia, the design maintains a CV of at most 8-percent on the annual average estimate of unemployment level, assuming a 6-percent unemployment rate. Due to the national reliability criterion, estimates for several large States are substantially more reliable than the State design criterion requires. Annual average unemploy-

ment estimates for California, Florida, New York, and Texas, for example, carry a CV of less than 4 percent.

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

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

Metropolitan areas within a State are used as a basis for forming PSUs. Outside of metropolitan areas, counties normally are combined except when the geographic area of an individual county is too large. Combining counties to form PSUs provides greater heterogeneity; a typical PSU includes urban and rural residents of both high and low economic levels and encompasses, to the extent feasible, diverse occupations and industries. Another important consideration is that the PSU be sufficiently compact so that, with a small sample spread throughout, it can be efficiently canvassed without undue travel cost.

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

Selection of sample households. Because the sample design is State based, the sampling ratio differs by State and

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

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

For the purpose of sample selection, census blocks were grouped into three strata: Unit, group quarters, and area. (Occasionally, units within a block were split between the unit and group quarters strata.) The unit stratum contained regular housing units with addresses that were easy to locate (e.g., most single family homes, townhouses, condominiums, apartment units, and mobile homes). The group quarters stratum contained housing units where residents shared common facilities or received formal or authorized care or custody. Unit and group quarters blocks exist primarily in urban areas. The area stratum contains blocks with addresses that are more difficult to locate. Area blocks exist primarily in rural areas.

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

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

Units in the three strata described above all existed at the time of the 1990 decennial census. Through a series of ad-

ditional procedures, a sample of building permits is included in the CPS to represent housing units built after the decennial census. Adding these newly built units keeps the sample up-to-date and representative of the population. It also helps to keep the sample size stable: over the life of the sample, the addition of newly built housing units compensates for the loss of "old" units which may be abandoned, demolished, or converted to nonresidential use.

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

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

ESTIMATING METHODS

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

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

Time period	Number of sample 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 ³	729	57,400	2,600	11,800
Nov. 1994 to Aug. 1995 ⁴	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

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

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

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

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

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

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

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

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 per-

sonnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 1994, the projections were based on earlier censuses, and there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 1994," appearing in the February 1994 issue of this publication.

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

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

Rounding of estimates

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

Reliability of the estimates

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

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

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

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

The effects of some components of nonsampling error in the CPS data can be examined as a result of the rotation plan used for the sample, since the level of the estimates varies by rotation group. A description of these effects appears in "The Effects of Rotation Group Bias on Estimates From Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

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

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

sources of errors and describes attempts to measure them in the CPS.

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

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

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

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

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

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

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

(In thousands)

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

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

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

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

Tables 1-D and 1-E show standard errors for monthly levels and consecutive monthly changes in levels for general employment status characteristics. The standard errors are

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

Characteristic	Monthly level	Consecutive-month change
Total, 16 years and over	0.11	0.13
Men, 16 years and over .....	.15	.18
Men, 20 years and over .....	.14	.17
Women, 16 years and over .....	.16	.19
Women, 20 years and over .....	.16	.19
Both sexes, 16 to 19 years .....	.74	.97
White workers .....	.11	.13
Black workers .....	.45	.53
Hispanic-origin workers .....	.50	.59
Married men, spouse present .....	.15	.18
Married women, spouse present .....	.18	.22
Women who maintain families .....	.54	.64
Occupation		
Executive, administrative, and managerial ...	.20	.24
Professional specialty .....	.20	.23
Technicians and related support .....	.45	.54
Sales .....	.30	.36
Administrative support, including clerical .....	.25	.30
Private household	1.75	2.08
Protective service .....	.67	.80
Service, except private household and 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
Industry		
Nonagricultural private wage and salary workers .....	.13	.15
Goods-producing industries .....	.25	.30
Mining	1.39	1.65
Construction .....	.68	.81
Manufacturing .....	.26	.31
Durable goods .....	.32	.38
Nondurable goods .....	.42	.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

calculated using linear interpolation based on the size of the monthly estimates.

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

Table 1-H presents factors used to convert standard errors of monthly levels and rates determined from tables 1-B, 1-C, 1-D, and 1-F to standard errors pertaining to quar-

terly and yearly averages, consecutive year-to-year changes of monthly estimates, and changes in quarterly and yearly averages.

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

Use of tables 1-B and 1-C. These 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-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-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-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

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

Characteristic	a	b
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total ¹	-0.000017682	2985.26
Men ¹	-0.000032770	2764.05
Women	-0.000029553	2529.99
Both sexes, 16 to 19 years	-0.000171805	2544.62
White ¹	-0.000020028	2984.72
Men	-0.000036840	2766.67
Women	-0.000033710	2526.82
Both sexes, 16 to 19 years	-0.000204195	2549.88
Black	-0.000125300	3139.26
Men	-0.000302096	2930.79
Women	-0.000182509	2637.41
Both sexes, 16 to 19 years	-0.001294516	2949.48
Hispanic origin	-0.000206380	3895.71
Not in labor force, total or white, excluding women and 16-to-19 year olds .....	.000005931	828.79
Agricultural employment:		
Total or white .....	.000782035	3048.57
Men .....	.000858136	2825.09
Women or both sexes, 16 to 19 years	-0.000024885	2582.39
Black	-0.000134884	3154.76
Hispanic origin:		
Total or women .....	.011857446	2894.85
Men or both sexes, 16 to 19 years .....	.015736341	1702.50
Unemployment:		
Total or white	-0.000017962	2957.13
Black	-0.000212109	3149.77
Hispanic origin	-0.000101820	3576.47

¹ Excludes not-in-labor-force data.

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

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

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

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

Use of table 1-H. Use this table with table 1-B, 1-C, 1-D, or 1-F to calculate approximate standard errors for quarterly or yearly averages, changes in consecutive quarterly or yearly averages, and consecutive year-to-year changes in monthly estimates. Table 1-H gives factors that can be used to convert standard errors for monthly levels into standard errors for other time periods and changes over time. Follow these three basic steps:

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

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

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

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

Step 1. The quarterly average is 11,600,000.

Step 2. Obtain the a and b parameters from table 1-F ("Labor force and not-in-labor-force data other than agricultural employment and unemployment: Black"). Use the

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

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

¹ High correlation characteristics include employed full-time, manufacturing, service workers, and not in the labor force. Low correlation characteristics include all part-time workers; employed, with a job, but not at work; unpaid family workers; and precision production, craft, and repair occupations.

² High correlation characteristics include full-time jobseekers; job losers; manufacturing workers; and operators, fabricators, and laborers. Low correlation characteristics include part-time jobseekers, reentrants, persons unemployed for less than 5 weeks and from 5 to 14 weeks.

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

$$a = -0.000125300 \quad b = 3139.26$$

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

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. 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.

$$s_x = \sqrt{(-0.000125300)(11,400,000)^2 + (3139.26)(11,400,000)} \doteq 140,000$$

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
Agricultural employment:					
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
Unemployment:					
Total	1.40	.74	.88	.46	.65
Part time	1.40	.67	.88	.42	.54
Labor force and not-in-labor-force data other than agricultural employment and unemployment:					
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 are available at <http://stats.bls.gov>, the BLS Internet site.

Each month, the State agencies collect data on employment, payrolls, and paid hours from a sample of establishments. Data are collected by mail from most respondents; phone collection is used to obtain higher response rates from selected respondents through computer-assisted interviews, touch-tone self-response, and voice recognition technology.

The respondents extract the requested data from their payroll records, which must be maintained for a variety of tax and accounting purposes. All firms with 250 employees or more are asked to participate in the survey, as well as a sample of smaller firms.

A "shuttle" schedule (BLS form 790 series) is used for mail respondents. It is submitted each month by the respondents, edited by the State agency, and returned to the respondent for use again the following month.

The technical characteristics of the shuttle schedule are particularly important in maintaining continuity and consistency in reporting from month to month. The shuttle design automatically exhibits the trends of the reported data covered by the schedule during the year; therefore, the relationship of the current data to the data for the previous months is shown. The schedule also has operational advantages. For example, accuracy and economy are achieved by entering the identification codes and the address of the reporter only once a year.

All schedules are edited by the State agencies each month to make sure that the data are correctly reported and that they are consistent with the data reported by the establishment in earlier months and with the data reported by other establishments in the industry. The State agencies forward the data, either on the schedules themselves or in machine-readable form, to BLS-Washington. They also use the information provided on the forms to develop State and area estimates of employment, hours, and earnings. At BLS, the data are edited again by computer to detect processing and reporting errors which may have been missed in the initial State editing; the edited data are used to prepare national estimates.

It should be noted that for employment, the sum of the State figures will differ from the official U.S. national totals because of the effects of differing industrial and geo-

graphic stratification and differences in the timing of benchmark adjustments.

CONCEPTS

Industrial classification

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

All data on employment, hours, and earnings for the Nation (beginning with August 1990 data) and for States and areas (beginning with January 1990 data) are classified in accordance with the *1987 Standard Industrial Classification Manual* (SIC), Office of Management and Budget.

Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th day of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded. Employees of the Central Intelligence Agency and the National Security Agency are also excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday, on paid vacation, or who work during a part of the pay period even though they are unemployed or on strike during the rest of the period are counted as employed. Not counted as employed are persons who are on layoff, on leave without pay, on strike for the entire period, or who were hired but have not yet reported during the period.

Indexes of diffusion of employment change (table B-6).

These indexes measure the dispersion among industries of the change in employment over the specified time span.

Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (3-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 3-digit industries.

To derive the indexes, each component industry is assigned a value of 0, 50, or 100 percent, depending on whether its employment showed a decrease, no change, or an increase, respectively, over the time span. The average value (mean) is then calculated, and this percent is the diffusion index number.

The reference point for diffusion analysis is 50 percent, the value which indicates that the same number of component industries had increased as had decreased. Index numbers above 50 show that more industries had increasing employment, and values below 50 indicate that more had decreasing employment. The margin between the percent that increased and the percent that decreased is equal to the difference between the index and its complement, i.e., 100 minus the index. For example, an index of 65 percent means that 30 percent more industries had increasing employment than had decreasing employment ($65 - (100 - 65) = 30$). However, for dispersion analysis, the distance of the index number from the 50-percent reference point is the most significant observation.

Although diffusion indexes are commonly interpreted as showing the percent of components that increased over the time span, it should be remembered that the index reflects half of the unchanged components as well. (This is the effect of assigning a value of 50 percent to the unchanged components when computing the index.)

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

Production and related workers. This category includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with the above production operations.

Construction workers. This group includes the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed

by members of the construction trades.

Nonsupervisory employees. These are employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and other employees at similar occupational levels whose services are closely associated with those of the employees listed.

Payroll. This refers to the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th day of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period); other pay not earned in the pay period reported (e.g., retroactive pay); tips; and the value of free rent, fuel, meals, or other payment in kind are excluded. Employee benefits (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

Hours. These are the hours paid for during the pay period which includes the 12th of the month for production, construction, or nonsupervisory workers. Included are hours paid for holidays, vacations, and for sick leave when pay is received directly from the firm.

Overtime hours. These are hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which included the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Average weekly hours. The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Indexes of aggregate weekly hours. The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly fig-

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

Average overtime hours. The overtime hours represent that portion of the average weekly hours which exceeded regular hours and for which overtime premiums were paid. If an employee were to work on a paid holiday at regular rates, receiving as total compensation his or her holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Because overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. Diverse trends at the industry group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months.

Average hourly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series do not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under production worker, construction worker, or nonsupervisory employee definitions.

Average hourly earnings, including lump-sum wage payments. These series are compiled only for aircraft (SIC 3721) and guided missiles and space vehicles (SIC 3761) manufacturing. The same concepts and estimation methods apply to these series as apply to the average hourly earnings series described above; the one difference between the series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 and SIC 3761

covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

Average hourly earnings, excluding overtime. Average hourly earnings, excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production worker hours and one-half of total overtime hours. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Railroad hours and earnings. The figures for Class I railroads plus Amtrak (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by the number of employees. Average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Average weekly earnings. These estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as the proportion of part-time workers, stoppages for varying reasons, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

Real earnings. These earnings are in constant dollars and are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). The reference year for these series is 1982.

ESTIMATING METHODS

The Current Employment Statistics (CES) or establishment survey estimates of employment are generated through an annual benchmark and monthly sample link procedure. Annual universe counts or benchmark levels are generated primarily from administrative records on employees covered by unemployment insurance (UI) tax laws. These annual benchmarks, established for March of each year, are projected forward for each subsequent month based on the trend of the sample employment, using an estimation procedure called the link relative. Benchmarks and sample link relatives are computed for each of 1,698 basic estimation cells defined by industry, size, and geography for the CES national estimates, and summed to create aggregate level employment estimates.

Benchmarks

The establishment survey constructs annual benchmarks in order to realign the sample-based employment totals for March of each year with the UI-based population counts for March. These population counts are much less timely than sample-based estimates; however, they provide an annual point-in-time census for employment.

Population counts are derived from the administrative file of employees covered by UI. All employers covered by UI laws are required to report employment and wage information to the appropriate State employment security agency four times a year. Approximately 98 percent of in-scope private employment is covered by UI. A benchmark for the remaining 2 percent is constructed from alternate sources, primarily records from the Interstate Commerce Commission and the Social Security Administration. The full benchmark developed for March replaces the March sample-based estimate for each basic cell. The monthly sample-based estimates for the year preceding and the year following the benchmark are also then subject to revision.

Monthly estimates for the year preceding the March benchmark are readjusted using a “wedge back” procedure. The difference between the final benchmark level and the previously published March sample estimate is calculated and spread back across the previous 11 months. The wedge is linear; eleven-twelfths of the March difference is added to the February estimates, ten-twelfths to the January estimates, and so on, back to the previous April estimates which receive one-twelfth of the March difference. This assumes that the total estimation error since the last benchmark accumulated at a steady rate throughout the current benchmark year.

Estimates for the 11 months following the March benchmark are also recalculated each year. These post-benchmark estimates reflect the application of sample-based monthly changes to new benchmark levels for March, and the recomputation of bias adjustment factors for each month. Bias factors are updated to take into account the most recent experience of the estimates generated by the monthly

sample versus the full universe counts derived from the UI.

Following the revision of basic employment estimates, all other derivative series (e.g., production workers, average hourly earnings) are also recalculated. New seasonal adjustment factors are calculated and all data series, usually for the previous 5 years, are reseasonally adjusted, prior to full publication of all revised data in June of each year.

Monthly estimation

Estimates are derived from a sample of approximately 390,000 business establishments nationwide. A current month's estimate is derived as the product of the previous month's estimate and a sample link relative for the current month. A bias adjustment factor is then applied to this result primarily to help account for new business births during the month.

Stratification. The sample is stratified into 1,698 basic estimation cells for purposes of computing national employment, hours, and earnings estimates. Cells are defined primarily by detailed industry, and secondarily by size for a majority of cells. In a few industries, mostly within the construction division, geographic stratification is also used. Industry classification is in accordance with the *1987 Standard Industrial Classification Manual (SIC)*; most estimation cells are defined at the 4-digit SIC level.

This detailed stratification pattern allows for the production and publication of estimates in considerable industry detail. Sub-industry stratification by size is important because major statistics which the survey measures, particularly employment change and average earnings, often vary significantly between establishments of different size. Stratification reduces the variance of the published industry level estimates.

Link relative technique. A ratio of the previous to the current month's employment is computed from a sample of establishments reporting for both months—this ratio is called a “link relative.” For each basic cell, a link relative is computed and applied to the previous month's employment estimate to derive the current month's estimate. Thus a March benchmark is moved forward to the next March benchmark through application of monthly link relatives. Basic cell estimates created through the link relative technique are aggregated to form published industry level estimates, for employment, as described in table 2-A. Basic estimation and aggregation methods for the hours and earnings data are also shown in table 2-A.

Bias adjustment. Bias adjustment factors are computed at the 3-digit SIC level, and applied each month at the basic cell level, as part of the standard estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey, the inability to capture, on a timely basis, employment generated by new firm births. There is a several month lag between an

Table 2-A. Summary of methods for computing industry statistics on employment, hours, and earnings

Employment, hours, and earnings	Basic estimating cell (industry, region, size or region/size cell)	Aggregate industry level (division and, where stratified, industry)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers. ²	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Average hourly earnings	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

¹ 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.

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

are modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the advantage of continuity from the use of the matched sample and, at the same time, tapers or wedges the estimate toward the level of the latest sample average.

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 1960s. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming year. The undercount errors were measured as the difference between sample-based estimate results and benchmark levels.

This procedure eventually proved inadequate during periods of rapidly changing employment trends, and the bias adjustment methodology was revised. Research done in the early 1980's indicated that bias requirements were strongly correlated with current employment growth or decline. Based on this research, a revised method was developed which incorporated the sample data on employment growth over the most recent two quarters, and a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This change in methodology provided a more cyclically sensitive bias model. The regression-adjusted mean error model has been in use since 1983, for the production of national estimates.

The current model still has limitations in its ability to react to changing economic conditions or changing error structure relationships between the sample-based estimates and the UI universe counts. A principal limitation is the inability to incorporate UI universe counts as they become available on an ongoing basis, with a 6- to 9-month lag from the reference period. Thus, the current quarterly outputs from the model are subject to intervention analysis, and adjustments can be made to its results, prior to the establishment of final bias levels for a quarter. Review is done primarily in terms of detection of outlier (i.e., abnormally high or low) values, and by comparison of CES sample and bias trends with the most recent quarterly observations of UI universe counts. The BLS currently has under study improved bias models using a Kalman filter technique, which would allow a more formal, structured incorporation of each quarter's UI universe counts in the bias modeling process.

Although the primary function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other elements of nonsampling error in the survey, because the primary input to the modeling procedure is total estimation error. Significant among these nonsampling error sources is a business death bias. When a sampled firm closes down, most often it simply does not respond to the survey that month, rather than reporting zero employment. Followup with nonrespondents may reveal an out-of-business firm, but this information is often received too late to incorporate into monthly esti-

mates, and the firm is simply treated as a nonrespondent for that month.

Because the bias adjustments incorporated into the estimates represent a composite of a birth bias, death bias, and a number of other differences between the sample-based estimates and the population counts, the monthly bias adjustment levels have no specific economic meaning in and of themselves.

Table 2-B summarizes bias adjustments for the 1987-97 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 1997 is listed as 130,000; this represents the average of bias adjustments made each month over the period April 1996 through March 1997. Bias required is computed retrospectively, after the March benchmark for a given year is known. Bias required figures are calculated by taking the difference between a March estimate derived purely from the sample (i.e., a series calculated without bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required is thus defined as the amount of bias adjustment which would have achieved a zero benchmark error. The difference between the total bias required and the total bias added is then, by definition, approximately the benchmark revision amount, for any given year. Also provided in the table for illustration, are the March-to-March changes. As discussed above, the over-the-year changes indicate correlation with the bias added and bias required figures.

THE SAMPLE

Design

The emphasis in the establishment survey is on producing timely data at minimum cost. Therefore, the primary goal of its design is to sample a sufficiently large segment of the universe to provide reliable estimates that can be published both promptly and regularly. The present sample allows BLS to produce preliminary total nonfarm employment estimates for each month, including some limited industry detail, within 3 weeks after the reference period, and data in considerably more detail with an additional 1-month lag.

The CES survey, which began over 50 years ago, predates the introduction of probability sampling methods and has operated as a quota sample since its inception.

The sampling plan used is a form of sampling with probability proportionate to size, known as "sampling proportionate to average size of establishment". This is an optimum allocation design among strata because sampling variance is proportional to the average size of establishments. The universe of establishment employment is highly skewed, with a large percentage of total employment concentrated in relatively few establishments. Because vari-

ance on a population total estimate is a function of percentage universe coverage achieved by the sample, it is efficient to sample larger establishments at a higher rate than smaller establishments, assuming the cost per sample unit is fairly constant across size classes.

Under the survey design, large establishments fall into a certainty strata for sample selection. The size of the sample for the various industries is determined empirically on the basis of experience and cost considerations. For example, in a manufacturing industry with a high proportion of total employment concentrated in a small number of establishments, a larger percent of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments, with a relatively few chosen from among the smaller establishments. For an industry in which a large proportion of total employment is concentrated in small establishments, the sample design again calls for inclusion of all large establishments but also for a more substantial number of smaller ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to have a sample design for these industries with a smaller proportion of total universe coverage than is the case for most manufacturing industries.

Coverage

The establishment survey is the largest monthly sampling operation in the field of social statistics. Table 2-C shows the latest benchmark employment levels and the approximate proportion of total universe employment coverage, at the total nonfarm and major industry division levels. The coverage for individual industries within the divisions may vary from the proportions shown.

Reliability

The establishment survey, like other sample surveys, is subject to two types of error, sampling and nonsampling error. The magnitude of sampling error, or variance, is directly related to the size of the sample and the percentage of universe coverage achieved by the sample. The establishment survey sample covers over one-third of total universe employment; this yields a very small variance on the total nonfarm estimates. Measurements of error associated with sample estimates are provided in tables 2-D through 2-G.

Benchmark revision as a measure of survey error. The sum of sampling and nonsampling error can be considered total survey error. Unlike most sample surveys which publish sampling error as their only measure of error, the CES can derive an annual approximation of total error, on a lagged basis, because of the availability of the independently derived universe data. While the benchmark error is used as a measure of total error for the CES survey estimate, technically, it actually represents the difference between two independent estimates derived from separate survey processes (i.e., the CES sample process and the UI universe process) and thus reflects the errors present in each program. Historically, the benchmark revision has been very small for total nonfarm employment. Over the past decade, percentage benchmark error has averaged 0.3 percent, with a range from zero to 0.7 percent. Table 2-D shows the most current benchmark revisions, along with 10-year mean revisions and mean absolute revisions for major industries. Mean revisions give an indication of bias in the estimates; unbiased estimates have a mean revision close to zero, as over and under estimations cancel out over time. Mean absolute revisions give an overall indicator as to the accuracy

Table 2-B. **March employment benchmarks and bias adjustments for total private industries, March 1987-97**
(In thousands)

Year	Benchmark		Average monthly bias		Over-the-year employment change ⁵
	Employment ¹	Revision ²	Added ³	Required ⁴	
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
1996	98,158	72	129	135	1,983
1997	101,040	518	130	173	2,882

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

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

³ The average amount of bias adjustment each month over the

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

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

⁵ March-to-March changes in the benchmark employment level.

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

of the estimates; the larger the value, the further the estimate was from the final benchmark level.

Estimated standard errors for employment, hours, and earnings. The hours and earnings estimates for the basic estimating cells do not have universe data sources available and therefore are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. Like the employment estimates, the hours and earnings estimates are also subject to sampling and nonsampling errors. Estimates of the sampling error for employment, hours, and earnings were computed using the method of random groups and are expressed as relative standard errors (standard error divided by the estimate). Relative standard errors for individual industries with the specified number of employees are presented in table 2-E and for major industries in table 2-F. Multiplying the relative standard error by its estimated value gives the estimate of the standard error. The errors presented here are based on averages observed from sample data over the March 1994 through March 1995 period.

Standard errors for differences between industries and times. The standard error of a difference is required to test for significant differences between estimates from two different industries. Since the estimates for the two industries are independent, the standard error of a difference is the square root of the sum of the estimated variance of each estimate, S_1^2 and S_2^2 .

$$S \text{ difference} = \sqrt{s_1^2 + s_2^2}$$

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 ρ after one month are 0.8 for employment, 0.6 for average weekly hours, and 0.8 for average hourly earnings.

If the bias is small, then the standard error can be used to construct approximate confidence intervals or range of values that include the true population value. If the process

of selecting a sample from the population were repeated many times and an estimate and its standard error calculated for each sample, then approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the true population value.

Noneconomic code changes. A major source of benchmark revision at the major industry division level and below are noneconomic code changes, which are introduced into the universe data in the first quarter of each calendar year.

Approximately one-third of all establishments in the universe are included in the universe program's annual Standard Industrial Classification (SIC) refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this process. The 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

Table 2-C. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1997

Industry	Bench- marks (thou- sands)	Sample coverage ¹		
		Number of establish- ments	Number (thou- sands)	Percent of bench- marks
Total	120,903	316,992	44,036	36
Mining	580	3,057	225	39
Construction	5,260	25,915	1,010	19
Manufacturing	18,519	56,104	8,654	47
Transportation and public utilities	6,331	² 16,398	2,263	36
Wholesale trade ..	6,567	25,215	1,148	17
Retail trade	21,467	60,605	5,086	24
Finance, insurance, and real estate ...	6,988	21,824	2,005	29
Services	35,328	75,482	8,333	24
Government:				
Federal	2,700	³ 5,145	2,700	100
State	4,692	6,880	3,848	82
Local	12,471	20,367	8,764	70

¹ 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.

² 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.

³ Total Federal employment counts by agency for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of reports covering about 51 percent of employment in Federal establishments.

Table 2-D. Current (March 1997) and historical benchmark revisions
(Numbers in thousands)

Industry	March 1997 benchmark revision		10-year average mean percent revision ¹	
	Level	Percent	Actual	Absolute
Total	431	0.4	0.1	0.3
Total private	518	.5	.1	.4
Goods-producing	196	.8	.1	.8
Mining	18	3.1	-.6	1.7
Metal mining	-1	-1.9	-1.7	3.3
Coal mining	4	4.2	-1.0	2.6
Oil and gas extraction	14	4.3	-.4	2.4
Nonmetallic minerals, except fuels	0	0	-.4	1.6
Construction	56	1.1	-.4	1.3
General building contractors	10	.8	-.6	2.3
Heavy construction, except building	24	3.4	.6	2.1
Special trade contractors	22	.7	-.6	1.2
Manufacturing	122	.7	.2	.7
Durable goods	73	.7	.3	.8
Lumber and wood products	-4	-.5	.2	1.7
Furniture and fixtures	2	.4	.3	1.1
Stone, clay, and glass products	10	1.9	.5	.9
Primary metal industries	0	0	-.1	.8
Blast furnaces and basic steel products	-1	-.4	.6	1.2
Fabricated metal products	3	.2	.2	.7
Industrial machinery and equipment	9	.4	(?)	1.2
Computer and office equipment	-4	-1.1	-.6	2.0
Electronic and other electrical equipment	30	1.8	-.2	.9
Electronic components and accessories	22	3.5	.1	1.9
Transportation equipment	14	.8	.9	1.0
Motor vehicles and equipment	14	1.4	1.3	1.3
Aircraft and parts	-5	-1.0	.8	1.4
Instruments and related products	6	.7	.3	1.9
Miscellaneous manufacturing	3	.8	.3	1.4
Nondurable goods	49	.6	.2	.7
Food and kindred products	-2	-.1	.2	.9
Tobacco products	0	0	.4	4.0
Textile mill products	8	1.3	.1	.9
Apparel and other textile products	12	1.4	.3	1.3
Paper and allied products	9	1.3	.5	.7
Printing and publishing	9	.6	-.2	.8
Chemicals and allied products	6	.6	(?)	.9
Petroleum and coal products	0	0	-.5	1.7
Rubber and miscellaneous plastics products	6	.6	.5	1.5
Leather and leather products	0	0	-.1	2.1
Service-producing	235	.2	.1	.3
Transportation and public utilities	-22	-.3	-.3	1
Transportation	-61	-1.5	-.6	1.4
Railroad transportation	-1	-.4	-1.1	1.1
Local and interurban passenger transit	-7	-1.5	-.5	2.1
Trucking and warehousing	-13	-.8	-1.7	2.9
Water transportation	3	1.7	.4	3.5
Transportation by air	-46	-4.1	2.0	5.3
Pipelines, except natural gas	0	0	.6	5.2
Transportation services	2	.5	-1.3	3.0
Communications and public utilities	39	1.7	.1	1.2
Communications	42	3.0	.2	1.9
Electric, gas, and sanitary services	-3	-.3	-.1	.7
Wholesale trade	-4	-.1	-.5	1.2
Durable goods	5	1	-.5	1.5
Nondurable goods	-9	-.3	-.5	1.0

See footnotes at end of table.

Table 2-D. Current (March 1997) and historical benchmark revisions—Continued
(Numbers in thousands)

Industry	March 1997 benchmark revision		10-year average mean percent revision ¹	
	Level	Percent	Actual	Absolute
Retail trade	-27	-.1	.4	.6
Building materials and garden supplies	6	.7	.1	1.5
General merchandise stores	-76	-2.9	1.8	2.9
Department stores	-65	-2.8	2.4	3.7
Food stores	2	.1	-.2	.7
Automotive dealers and service stations	-9	-.4	-1.1	1.1
New and used car dealers	-6	-.6	-.7	1.0
Apparel and accessory stores	-7	-.7	1.1	1.6
Furniture and home furnishings stores	-32	-3.3	-.7	1.4
Eating and drinking places	118	1.6	.8	1.2
Miscellaneous retail establishments	-27	-1.0	.1	.9
Finance, insurance, and real estate	37	.5	-.3	1.2
Finance	9	.3	-.7	1.3
Depository institutions	-15	-.7	-1.1	1.4
Commercial banks	-24	-1.7	-.6	.9
Savings institutions ³	8	3.1	-3.6	6.1
Nondepository institutions	20	3.6	1.2	2.5
Mortgage bankers and brokers	6	2.4	1.1	5.0
Security and commodity brokers	4	.7	.1	1.2
Holding and other investment offices	1	.5	-3.7	5.0
Insurance	27	1.2	.4	1.3
Insurance carriers	23	1.5	.3	1.6
Insurance agents, brokers, and service	4	.6	.5	1.2
Real estate	1	.1	-.4	1.5
Services ⁴	338	1.0	.2	.6
Agricultural services	8	1.4	2.0	2.2
Hotels and other lodging places	-4	-.2	.5	1.3
Personal services	-13	-1.0	.5	1.5
Business services	218	2.8	.7	2.0
Services to buildings	31	3.4	1.3	1.7
Personnel supply services	118	4.2	1.7	3.8
Help supply services ³	130	5.2	2.0	3.1
Computer and data processing services	64	4.7	(²)	3.3
Auto repair, services, and parking	-12	-1.1	-1.2	1.5
Miscellaneous repair services	-9	-2.4	-.8	4.8
Motion pictures	7	1.3	-1.8	4.0
Amusement and recreation services	33	2.3	.8	2.8
Health services	29	.3	-.7	.8
Offices and clinics of medical doctors	-1	-.1	-.9	1.6
Nursing and personal care facilities	-5	-.3	-.6	.8
Hospitals	-6	-.2	-.8	.8
Home health care services ³	29	4.1	1.5	2.8
Legal services	-8	-.9	-.5	1.2
Educational services	31	1.4	1.2	2.8
Social services	31	1.2	-.3	1.6
Child day care services	-15	-2.6	-2.8	4.8
Residential care	16	2.3	.1	1.6
Museums and botanical and zoological gardens	3	3.6	1.9	2.5
Membership organizations	53	2.4	2.6	3.3
Engineering and management services ³	-7	-.2	.1	1.4
Engineering and architectural services	-9	-1.1	-.8	1.3
Management and public relations ³	-12	-1.3	.9	3.3
Services, nec	0	0	.3	.7
Government	-87	-.4	(²)	.2
Federal	0	0	0	0
Federal, except Postal Service	0	0	0	0
State	-56	-1.2	.2	.6
Education	-41	-2.0	.3	1.2
Other State government	-15	-.6	.2	.5
Local	-31	-.2	(²)	.3
Education	1	0	-.1	.3
Other local government	-33	-.6	0	.4

¹ Data relate to the 1988-97 benchmarks, as originally published, unless otherwise noted.

² Less than 0.05 percent.

³ Data relate to 1989-97.

⁴ Includes other industries, not shown separately.

Table 2-E. Relative standard errors¹ for estimates of employment, hours, and earnings
(In percent)

Size of employment estimate	Employment	Average weekly hours	Average hourly earnings
50,000	1.4	1.9	3.2
100,000	1.1	1.5	2.6
200,000 .....	.8	1.2	2.2
500,000 .....	.6	.9	1.7
1,000,000 .....	.4	.7	1.3
2,000,000 .....	.3	.6	1.1

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

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

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

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

the services division is refiled, a substantial amount of employment is usually reclassified out of services to other major divisions, thus, lowering the benchmark 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 ¹	Mean percent revision	
		Actual	Absolute
Total	57,900	0	0
Total private	49,000	0	0
Goods-producing	13,200	0	0
Mining	1,800	0	.2
Metal mining	300	-.1	.4
Coal mining	800	.1	.6
Oil and gas extraction	1,800	0	.4
Nonmetallic minerals, except fuels	300	0	.2
Construction	8,000	.1	.1
General building contractors	4,000	.1	.3
Heavy construction, except building	3,500	0	.4
Special trade contractors	4,800	.1	.1
Manufacturing	9,000	0	0
Durable goods	6,400	0	0
Lumber and wood products	1,300	.1	.1
Furniture and fixtures	1,200	0	.2
Stone, clay, and glass products	1,100	0	.2
Primary metal industries	1,700	0	.2
Blast furnaces and basic steel products	1,400	0	.4
Fabricated metal products	2,000	0	.1
Industrial machinery and equipment	2,500	0	.1
Computer and office equipment	1,500	.2	.3
Electronic and other electrical equipment	2,400	0	.1
Electronic components and accessories	1,400	0	.2
Transportation equipment	4,200	0	.2
Motor vehicles and equipment	3,700	.1	.3
Aircraft and parts	1,600	0	.2
Instruments and related products	1,600	0	.1
Miscellaneous manufacturing	1,100	.1	.2
Nondurable goods	4,700	0	.1
Food and kindred products	2,800	-.1	.1
Tobacco products	500	.5	.9
Textile mill products	1,100	0	.1
Apparel and other textile products	2,500	.1	.2
Paper and allied products	1,200	0	.1
Printing and publishing	1,600	.1	.1
Chemicals and allied products	1,700	-.1	.1
Petroleum and coal products	900	0	.4
Rubber and miscellaneous plastics products	1,500	0	.1
Leather and leather products	600	0	.4
Service-producing	53,500	0	0
Transportation and public utilities	10,000	-.1	.1
Transportation	9,000	-.1	.2
Railroad transportation	2,200	-.1	.7
Local and interurban passenger transit	3,700	-.2	.6
Trucking and warehousing	5,800	-.1	.2
Water transportation	1,500	-.3	.8
Transportation by air	4,700	-.1	.4
Pipelines, except natural gas	200	-.3	.7
Transportation services	1,200	-.1	.2
Communications and public utilities	4,300	0	.1
Communications	3,800	.1	.2
Electric, gas, and sanitary services	1,700	0	.1
Wholesale trade	7,300	.1	.1
Durable goods	4,200	.1	.1
Nondurable goods	4,800	-.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 ¹	Mean percent revision	
		Actual	Absolute
Retail trade	33,100	.1	.1
Building materials and garden supplies	2,500	0	.2
General merchandise stores	18,700	.1	.5
Department stores	17,300	.1	.5
Food stores	6,100	.1	.1
Automotive dealers and service stations	2,900	-.1	.1
New and used car dealers	1,200	-.1	.1
Apparel and accessory stores	5,900	.2	.4
Furniture and home furnishings stores	3,500	.1	.3
Eating and drinking places	11,700	.1	.1
Miscellaneous retail establishments	8,600	.2	.3
Finance, insurance, and real estate	5,900	0	.1
Finance	3,400	0	.1
Depository institutions	2,400	0	.1
Commercial banks	1,800	0	.1
Savings institutions	1,200	-.1	.3
Nondepository institutions	1,400	.1	.2
Mortgage bankers and brokers	1,000	0	.3
Security and commodity brokers	1,000	0	.2
Holding and other investment offices	1,600	0	.5
Insurance	2,800	0	.1
Insurance carriers	2,600	0	.1
Insurance agents, brokers, and service	1,100	.1	.1
Real estate	2,600	0	.2
Services ²	29,600	0	.1
Agricultural services	2,800	.1	.4
Hotels and other lodging places	6,200	.1	.3
Personal services	7,900	-.1	.4
Business services	12,600	.1	.1
Services to buildings	2,600	0	.2
Personnel supply services	11,100	.1	.3
Help supply services	10,700	.1	.3
Computer and data processing services	2,500	.1	.2
Auto repair, services, and parking	2,100	0	.2
Miscellaneous repair services	1,100	0	.2
Motion pictures	5,700	0	.7
Amusement and recreation services	9,000	.2	.5
Health services	5,300	0	0
Offices and clinics of medical doctors	2,600	0	.1
Nursing and personal care facilities	1,700	0	.1
Hospitals	3,100	0	.1
Home health care services	2,000	.1	.3
Legal services	1,400	0	.1
Educational services	13,200	.1	.6
Social services	8,300	.1	.3
Child day care services	4,600	.2	.6
Residential care	1,400	0	.2
Museums and botanical and zoological gardens	700	.2	.6
Membership organizations	3,400	0	.1
Engineering and management services	4,900	0	.1
Engineering and architectural services	2,300	0	.2
Management and public relations	3,300	.1	.3
Services, nec	400	0	.7
Government	19,700	0	.1
Federal	9,400	0	.2
Federal, except Postal Service	8,500	0	.3
State	11,200	0	.2
Education	10,100	0	.4
Other State government	5,200	0	.2
Local	16,200	0	.1
Education	13,600	.1	.1
Other local government	11,000	0	.1

¹ The root-mean-square error is the square root of the mean squared error. The mean squared error is the square of the difference between the final and preliminary estimates averaged across a series of monthly observations.

² Includes other industries, not shown separately.

NOTE: Errors are based on differences from January 1993 through December 1997.

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

FEDERAL-STATE COOPERATIVE PROGRAM

Labor force and unemployment estimates for States, labor market areas (LMAs), and other areas covered under Federal assistance programs are developed by State employment security agencies under a Federal-State cooperative program. The local unemployment estimates which derive from standardized procedures developed by BLS are the basis for determining eligibility of an area for benefits under Federal programs such as the Job Training Partnership Act.

Annual average data for the States and 334 areas shown in table C-3 are published in *Employment and Earnings* (usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

Labor force estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. The report "Unemployment in States and Local Areas" is published monthly through GPO and is available in microfiche form only, on a subscription basis.

ESTIMATING METHODS

Monthly labor force, employment, and unemployment estimates are prepared for the 50 States, the District of Columbia, and over 6,500 areas, including nearly 2,400 LMAs, counties, and cities with a population of 25,000 or more. Regional aggregations are derived by summing the State estimates. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. At the sub-LMA (county and city) level, estimates are prepared using disaggregation techniques based on decennial and annual population estimates and current unemployment insurance data. A more detailed description of the estimation procedure is contained in the BLS document, *Manual for Developing Local Area Unemployment Statistics*.

Estimates for States

Current monthly estimates. Effective January 1996, civilian labor force and unemployment estimates for all States and the District of Columbia are produced using models based on a "signal-plus-noise" approach. The model of the

signal is a time series model of the true labor force which consists of three components: A variable coefficient regression, a flexible trend, and a flexible seasonal component. The regression techniques are based on historical and current relationships found within each State's economy as reflected in the different sources of data that are available for each State—the Current Population Survey (CPS), the Current Employment Statistics (CES) survey, and the unemployment insurance (UI) system. The noise component of the models explicitly accounts for auto correlation in the CPS sampling error and changes in the average magnitude of the error. In addition, the models can identify and remove the effects of outliers in the historical CPS series. While all the State models have important components in common, they differ somewhat from one another to better reflect individual State characteristics.

Two models—one for the employment-to-population ratio and one for the unemployment rate—are used for each State. The employment-to-population ratio, rather than the employment level, and the unemployment rate, rather than the unemployment level, are estimated primarily because these ratios are usually more meaningful for economic analysis.

The employment-to-population ratio models use the relationship between the State's monthly employment from the CES and the CPS. The models also include trend and seasonal components to account for movements in the CPS not captured by the CES series. The seasonal component accounts for the seasonality in the CPS not explained by the CES, while the trend component adjusts for long-run systematic differences between the two series.

The unemployment rate models use the relationship between the State's monthly unemployment insurance (UI) claims data and the CPS unemployment rate, along with trend and seasonal components.

In both the employment-to-population ratio and unemployment rate models, an important feature is the use of a technique that allows the equations to adjust automatically to structural changes that occur. The regression portion of the model includes a built-in tuning mechanism, known as the Kalman Filter, which revises a model's coefficients when the new data that become available each month indicate that changes in the data relationships have taken place. Once the estimates are developed from the models, levels are calculated for employment, unemployment, and labor force.

Benchmark correction procedures. Once each year, monthly estimates for all States and the District of Columbia are adjusted, or benchmarked, by BLS to the annual average CPS estimates. The benchmarking technique employs a pro-

cedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual average, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

Estimates for sub-State areas

Monthly labor force, employment, and unemployment estimates for two large sub-State areas—New York City and the Los Angeles-Long Beach metropolitan area—are obtained using the same modeling approach as for states. Estimates for the nearly 2,400 remaining LMAs, are prepared through indirect estimation techniques, described below.

Preliminary estimate—employment. The total civilian employment estimates are based largely on CES data. These “place-of-work” estimates must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed on the basis of employment relationships at the time of the 1990 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not represented in the CES—agricultural employees, nonagricultural self-employed and unpaid family workers, and private household workers.

Preliminary estimate—unemployment. In the current month, the estimate of unemployment is an aggregate of the estimates for each of two categories: (1) Persons who were previously employed in industries covered by State UI laws; and (2) those who were entering the civilian labor force for the first time or reentering after a period of separation.

Sub-State adjustment for additivity. Estimates of employment and unemployment are prepared for the State and all LMAs within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment is applied to all sub-State preliminary LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment. For California and New York, the proportional adjustment is applied to all LMAs other than the two modeled areas, to ensure that the LMA estimates sum to an independent model-based estimate for the balance of State.

Benchmark correction. At the end of each year, sub-State estimates are revised. The revisions incorporate any changes in the inputs, such as revisions in the CES-based employment figures, corrections in UI claims counts, and updated historical relationships. The updated estimates are then 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. Subsequent revisions are only carried back to 1994.

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

In each January issue (March issue in 1996), *Employment and Earnings* publishes revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate the civilian unemployment estimate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure.

Establishment data

Effective in June 1997, with the release of the March 1996 benchmark revisions, BLS began using an updated version of the X-12 ARIMA software developed by the Bureau of the Census to seasonally adjust national establishment-based employment, hours, and earnings series. The X-12 ARIMA (first introduced in June 1996) 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 average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing the average weekly earnings series by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours by production or nonsupervisory workers and dividing by the 1982 annual average base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours for the appropriate component industries and dividing by the 1982 annual average base.

Seasonally adjusted data are not published for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These series, however, are used in the aggregation to higher level seasonally adjusted series.

Seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. The number of temporary census workers for the decennial census, however, are removed prior to the 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 1997, new seasonal adjustment factors for March-October 1997, and a description of the current seasonal adjustment procedure appear in the June 1997 issue of *Employment and Earnings*. Revised factors for the September 1997-April 1998 period will appear in the December issue.

Beginning in 1993, BLS introduced publication of seasonally adjusted nonfarm payroll employment data by major industry for all States and the District of Columbia (table B-7). Seasonal adjustment factors are applied directly to the employment estimates at the division level (component series for manufacturing and trade) and then aggregated to the State totals. The recomputation of seasonal factors and historical revisions are made coincident with the annual benchmark adjustments. State estimation procedures are designed to produce accurate (unadjusted and seasonally adjusted) data for each individual State. BLS independently develops a national employment series; State estimates are not forced to sum to national totals. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause significant distortions at an aggregate level. Due to these statistical limitations, BLS does not compile a "sum-of-States" employment series, and cautions users that such a series is subject to a relatively large and volatile error structure.

Region and State labor force data

Beginning in 1992, BLS introduced publication of seasonally adjusted labor force data for the census regions and divisions, the 50 States, and the District of Columbia (tables C-1 and C-2). Beginning in 1998, regional aggregations are derived by summing the State estimates. Using the X-11 ARIMA procedure, seasonal adjustment factors are computed and applied independently to the component employment and unemployment levels and then aggregated to regional or State totals. Current seasonal adjustment factors are produced for 6-month periods twice a year. Historical revisions usually are made at the beginning of each calendar year. Because of the separate processing procedures, totals for the Nation, as a whole, differ from the results obtained by aggregating regional or State data.

INDEX TO STATISTICAL TABLES

TABLE KEY: A: Monthly household data; B: Monthly national and State and area establishment data; C: Monthly regional, State, and area labor force data; D: Quarterly, household data only, in the January, April, July, and October issues. Annual averages: Household data in the January issue; national establishment data in the January, March, and June issues; State and area establishment and labor force data in the May issue. For additional information see the listing on the inside front cover of this publication.

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**U.S. Department of Labor
Bureau of Labor Statistics**

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	IX ARIZONA	Department of Economic Security, 1300 West Washington St., Phoenix 85005		I NEW HAMPSHIRE	Department of Employment Security, 32 South Main St., Concord 03301
	VI ARKANSAS	Employment Security Department, P.O. Box 2981, Little Rock 72203-2981		II NEW JERSEY	Department of Labor, Division of Planning and Research, P.O. Box 2765, Trenton 08625
	IX CALIFORNIA	Employment Development Department, Employment Data and Research Division, 7000 Franklin Blvd. Suite 1100, Sacramento 95823		VI NEW MEXICO	Employment Security Commission, 401 Broadway, TIWA Bldg., Albuquerque 87103
	VIII COLORADO	Department of Labor and Employment, Suite 801, 1120 Lincoln St., Denver 80203		II NEW YORK	Department of Labor, Division of Research and Statistics, State Campus, Room 400, Bldg. 12, Albany 12240-0020
	I CONNECTICUT	Labor Department, Employment Security Division, 200 Folly Brook Blvd., Wethersfield 06109		IV NORTH CAROLINA	Employment Security Commission, Labor Market Information Division, P.O. Box 25903, Raleigh 27611
	III DELAWARE	Department of Labor, Office of Occupational and Labor Market Information, P.O. Box 9029, Newark 19714-9029		VIII NORTH DAKOTA	Job Service, P.O. Box 1537, Bismark 58502
	III DIST. OF COL.	Department of Employment Services, Division of Labor Market Information and Analysis, Room 201, 500 C St., NW., Washington, DC 20001		V OHIO	Bureau of Employment Services, Labor Market Information Division, 1160 Dublin Rd., Columbus 43215
	IV FLORIDA	Florida Department of Labor and Employment Security, Bureau of Labor Market Information, Suite 203, 2574 Seagate Drive, Tallahassee 32399-0674		VI OKLAHOMA	Employment Security Commission, Research and Planning Division, 2401 North Lincoln, Oklahoma City 73105
	IV GEORGIA	Department of Labor, Labor Information Systems, 148 International Blvd., NE., Atlanta 30303		X OREGON	Employment Division, 875 Union St., NE., Salem 97311
	IX HAWAII	Department of Labor and Industrial Relations, Research and Statistics Office, Room 304, 830 Punchbowl St., Honolulu 96813		III PENNSYLVANIA	Bureau of Research and Statistics, 300 Capitol Associates Bldg., Harrisburg 17120-0034
	X IDAHO	Department of Employment, 317 Main St., Boise 83735		II PUERTO RICO	Department of Labor and Human Resources, Bureau of Labor Statistics, 17 th Fl., 505 Munoz Rivera Ave., Hato Rey 00918 (CES); Bureau of Employment Security, Research and Analysis Section, 15 th Fl., 505 Munoz Rivera Ave., Hato Rey 00918 (LAUS)
	V ILLINOIS	Department of Employment Security, (2 South), 401 South State St., Chicago 60605		I RHODE ISLAND	Department of Employment Security, 24 Mason St., Providence 02903
	V INDIANA	Department of Employment and Training Services, Statistical Services Division, 10 North Senate Ave., Indianapolis 46204		IV SOUTH CAROLINA	Employment Security Commission, Labor Market Information Division, P.O. Box 995, Columbia 29202
	VII IOWA	Department of Employment Services, 1000 East Grand Ave., Des Moines 50319		VIII SOUTH DAKOTA	Department of Labor, Labor Market Information Center, P.O. Box 4730, Aberdeen 57401
	VII KANSAS	Department of Human Resources, 401 Topeka Ave., Topeka 66603		IV TENNESSEE	Department of Employment Security, Research and Statistics Division, 519 Cordell Hull Office Bldg., Nashville 37219
	IV KENTUCKY	Department of Employment Services, Labor Market Research and Analysis Branch, 275 East Main St., Frankfort 40621		VI TEXAS	Employment Commission, Room 208-T, 1117 Trinity St., Austin 78778
	VI LOUISIANA	Department of Labor, Research and Statistics Section, 1001 North 23 rd St., Baton Rouge 70804-9094		VIII UTAH	Department of Employment Security, Labor Market Information Services, P.O. Box 11249, Salt Lake City 84147
	I MAINE	Department of Labor, Division of Economic Analysis and Research, 20 Union St., Augusta 04330		I VERMONT	Department of Employment and Training, Office of Policy and Public Information, P.O. Box 488, Montpelier 05602
	III MARYLAND	Department of Employment and Training, Research and Analysis Division, 1100 North Eutaw St., Baltimore 21201		III VIRGINIA	Employment Commission, Economic Information Services, P.O. Box 1358, Richmond 23211
	I MASSACHUSETTS	Department of Employment and Training, Government Center, Charles F. Hurley Bldg., Boston 02114		II VIRGIN ISLANDS	Department of Labor, Bureau of Labor Statistics, 53-A, 54-A&B Kronprindsens Gade Charlotte Amalie, St. Thomas 00801-3359 (CES)
	V MICHIGAN	Employment Security Commission, Research and Statistics Division, Room 516, 7310 Woodward Ave., Detroit 48202		X WASHINGTON	Employment Security Department, Labor Market and Economic Analysis Branch, 605 Woodview Dr., Olympia 98503
V MINNESOTA	Department of Jobs and Training, Research and Statistics Division, 5 th Fl., 390 North Robert St., St. Paul 55101		III WEST VIRGINIA	Department of Employment Security, Division of Labor and Economic Security, 112 California Ave., Charleston 25305	
IV MISSISSIPPI	Employment Security Commission, Labor Market Information Division, P.O. Box 1699, Jackson 39215-1699		V WISCONSIN	Department of Industry, Labor, and Human Relations, Labor Market Information Bureau, 201 East Washington Ave., Madison 53707	
VII MISSOURI	Division of Employment Security, P.O. Box 59, Jefferson City 65104		VIII WYOMING	Employment Security Commission, Research and Analysis Section, P.O. Box 2760, Casper 82602	
VIII MONTANA	Department of Labor and Industry, P.O. Box 1728, Helena 59624				