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# EMPLOYMENT AND EARNINGS

U.S. Department of Labor  
Bureau of Labor Statistics  
March 1993

In this issue: 1992 annual averages for national establishment survey data





## U.S. DEPARTMENT OF LABOR

Robert B. Reich, Secretary

### BUREAU OF LABOR STATISTICS

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March 1993  
Vol. 40 No. 3

### Calendar of Features

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

#### Household data

Annual averages	Jan.
Union affiliation	Jan.
Earnings by detailed occupation	Jan.
Employee absences	Jan.
Revised seasonally adjusted series	Jan., Feb.

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

Jan., Apr., July, Oct.

#### Establishment data

National annual averages:

Industry divisions (preliminary)	Jan.
Industry detail	Mar., June
Women employees	Mar., June
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Revised historical national data	Bulletin <sup>1</sup>
State and area annual averages	May
Area definitions	May

#### State and area labor force data

Annual averages	May
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<sup>1</sup> The most recent publication was issued in August 1992.

# Employment and Earnings

Editors: Gloria Peterson Green, Eugene H. Becker

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# Employment and Unemployment Developments, February 1993

Employment rose substantially in February, and unemployment was little changed. Nonfarm payroll employment, as measured by the employer survey, rose by 365,000, and total employment, as measured by the household survey, rose by 380,000. At 7.0 percent, the rate of unemployment has declined gradually from its June 1992 peak of 7.7 percent.

## Unemployment

Both the unemployment rate, 7.0 percent, and the number of unemployed persons, 8.9 million, were little changed in February, after seasonal adjustment. They had been 7.1 percent and 9.0 million, respectively, in January. The unemployment rate has now declined by 0.7 percentage point since reaching a high mark in June 1992, but it is still nearly 2 percentage points above early 1990 levels, prior to the recession. (See table A-33.)

Jobless rates fell in February for both adult women and blacks. At 6.0 percent, the rate for adult women was down by 0.4 percentage point over the month, its first substantial decline in recent months. The rate for adult men, which had declined by 0.4 percentage point in January, was about unchanged in February at 6.5 percent. The jobless rate for black workers declined by 1.1 percentage points in February to 13.1 percent. Among other worker groups, jobless rates for teenagers (19.6 percent), whites (6.1 percent), and Hispanics (11.4 percent) were about unchanged from January. (See tables A-33 and A-34.)

While total unemployment was little changed over the month, there were shifts in the composition of the unemployed. The number of job losers not expecting recall—shown as “other job losers” in table A-41—fell by 219,000 over the month, to 3.6 million. Despite recent declines, the figure was still 1.4 million above prerecession levels. The number of unemployed workers who had voluntarily left their last jobs rose over the month to 1.0 million.

The count of persons jobless for 15-26 weeks declined by 171,000 in February, but there was no change in those unemployed for 27 weeks and longer. (See table A-40.)

The number of persons employed part time for economic reasons, sometimes referred to as the “partially unemployed,” rose by 348,000 in February but has shown no clear trend over the past year and a half. At 6.5 million in February, the number was about a million and a half higher than before the recession began. (See table A-35.)

## Total employment and the labor force

Total employment increased by 380,000 in February to 118.5 million, after seasonal adjustment, and has now returned to its prerecession peak level reached in May 1990. But, since the working-age population continued to grow over the period, the proportion of the population with jobs—61.4 percent in February—was still well below the 63.1-percent high reached prior to the downturn. (See table A-33.)

Following a large decline in January, the civilian labor force was little changed at 127.3 million in February. The size of the labor force has fluctuated from month to month, with little clear direction since mid-1992. At 66.0 percent in February, the labor force participation rate was unchanged from the prior month. (See table A-33.)

## Industry payroll employment

The number of nonfarm payroll jobs, which had been increasing slowly in recent months, rose by 365,000 in February. At 109.2 million, seasonally adjusted, payroll employment was 1.1 million higher than it was at its post-recession low of January 1992. (See table B-4.)

The February employment gains were concentrated in construction (96,000), retail trade (131,000), and services (131,000). The February increase in construction employment more than offset declines in the prior 3 months that were caused by unusually harsh winter weather, leaving employment up by 53,000 since October. Within retail trade, seasonally adjusted employment increases in general merchandise stores in February offset some of the weakness in holiday hiring. Many other types of businesses, including food stores, auto dealers, and eating and drinking places, have had gains for the last 3 months or more. The large increase in services employment followed a small decline in January; growth for the 2-month period is about average by recent standards. Job increases in business services (46,000) and health services (27,000) accounted for more than half of the February gain in services employment.

Employment in manufacturing was little changed at 18.1 million. Gains in the construction-related lumber and wood products (8,000), furniture and fixtures (3,000), and stone, clay, and glass products (6,000) industries were offset by a decline in transportation equipment jobs. Within transportation equipment, automobile employ-

ment, which had risen sharply in January, fell by 34,000 in February. The movements in both months reflected shifts in the usual seasonal production patterns in the industry. Total factory jobs, after declining by 1.5 million since early 1989, have increased by 55,000 in the past 4 months.

The number of mining jobs fell by 12,000 in February; about half of this loss was the result of a coal strike. Employment in other major industry divisions was little changed in February.

### Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls was unchanged in February at 34.5 hours, seasonally adjusted. The manufacturing workweek edged up by 0.1 hour to an extraordinarily high 41.5 hours; since October 1992, the manufacturing workweek has risen by 0.4 hour. Factory overtime also increased over the month, by 0.2 hour, to a level of 4.2 hours, the highest in the 36-year history of the series. (See table C-5.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls increased by 0.5 percent to 122.5(1982=100), after seasonal adjustment. This reflected the large over-the-month increase in employment. The index for manufacturing, 103.3, was up by a smaller amount, 0.3 percent, but was 2.1 percent higher than last September. (See table C-6.)

### Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers were up 0.2 percent in February, seasonally adjusted. Average weekly earnings also rose 0.2 percent, following a much larger gain in January. Prior to seasonal adjustment, average hourly earnings were little changed at \$10.78, but average weekly earnings increased by \$2.50 to \$368.68. Over the year, both average hourly and weekly earnings rose by 2.5 percent. (See tables C-1 and C-7.)

### Planned Changes for the Current Population Survey (CPS)

Beginning in 1994, with the release of data for January, estimates from the Current Population Survey (household survey) will reflect the results of a major redesign of the survey. The redesign is being undertaken to obtain more accurate and comprehensive information on the labor force. As part of this effort, the survey questionnaire is being revamped to include many new and revised questions regarding individuals' employment and unemployment activities, and a fully automated data collection environment is being introduced.

Work on the redesign began in the late 1980's. The new questionnaire is being tested for an 18-month period, July 1992-December 1993, in a separate national sample survey of about 13,000 households to gauge the effect of both the new questions and the automated data collection procedures on the labor force estimates. Early indications of the potential effects of these changes will not be available until this fall; a comprehensive examination will be published in the February 1994 issue of *Employment and Earnings*.

#### Scheduled Release Dates

Employment and unemployment data are scheduled for initial release on the following dates:

Reference month	Release date	Reference month	Release date
March	April 2	June	July 2
April	May 7	July	August 6
May	June 4	August	September 3

**HOUSEHOLD DATA  
HISTORICAL**

**A-1. Employment status of the noninstitutional population 16 years and over, 1960 to date**

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
1960 <sup>1</sup>	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 <sup>2</sup>	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 <sup>2</sup>	145,939	88,847	60.9	83,968	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>3</sup>	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	6.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 <sup>1</sup>	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 <sup>1</sup>	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
1987	184,490	121,602	65.9	114,177	1,737	112,440	3,208	109,232	7,425	6.1	62,888	
1988	186,322	123,378	66.2	116,677	1,709	114,968	3,169	111,800	6,701	5.4	62,944	
1989	188,081	125,557	66.8	119,030	1,688	117,342	3,199	114,142	6,528	5.2	62,523	
1990	189,686	126,424	66.6	119,550	1,637	117,914	3,186	114,728	6,874	5.4	63,262	
1991	191,329	126,867	66.3	118,440	1,564	116,877	3,233	113,644	8,426	6.6	64,462	
1992	193,142	128,548	66.6	119,164	1,566	117,598	3,207	114,391	9,384	7.3	64,593	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1992:</b>												
February	192,469	127,770	66.4	118,547	1,585	116,962	3,213	113,749	9,223	7.2	64,699	
March	192,607	128,133	66.5	118,849	1,585	117,264	3,194	114,070	9,284	7.2	64,474	
April	192,745	128,320	66.6	119,095	1,577	117,518	3,206	114,312	9,225	7.2	64,425	
May	192,881	128,613	66.7	119,154	1,574	117,580	3,186	114,394	9,459	7.4	64,268	
June	193,025	128,868	66.8	119,080	1,570	117,510	3,244	114,266	9,788	7.6	64,157	
July	193,190	128,918	66.7	119,290	1,568	117,722	3,207	114,515	9,628	7.5	64,272	
August	193,356	128,970	66.7	119,346	1,566	117,780	3,218	114,562	9,624	7.5	64,386	
September	193,513	128,840	66.6	119,290	1,566	117,724	3,221	114,503	9,550	7.4	64,673	
October	193,683	128,618	66.4	119,239	1,552	117,667	3,169	114,518	9,379	7.3	65,065	
November	193,847	128,896	66.5	119,595	1,531	118,064	3,209	114,855	9,301	7.2	64,951	
December	194,026	129,108	66.5	119,828	1,517	118,311	3,262	115,049	9,280	7.2	64,918	
<b>1993:</b>												
January	194,159	128,598	66.2	119,586	1,515	118,071	3,191	114,879	9,013	7.0	65,561	
February	194,298	128,839	66.3	119,963	1,512	118,451	3,116	115,335	8,876	6.9	65,459	

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

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

seasonal variation.

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



**HOUSEHOLD DATA  
HISTORICAL**

**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1982 to date**

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force								Not in labor force	
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number		Percent of labor force
						Total	Agriculture	Nonagricultural industries			
<b>Annual averages</b>											
<b>MEN</b>											
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073
1983	84,064	64,580	76.6	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484
1984	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771
1985	86,025	65,967	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058
1986 <sup>1</sup>	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376
1987	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,892
1988	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930
1989	90,263	69,360	76.8	65,835	1,520	64,315	2,513	61,802	3,525	5.1	20,923
1990	91,122	69,705	76.5	65,906	1,472	64,435	2,507	61,928	3,799	5.4	21,417
1991	91,951	69,810	75.9	64,992	1,399	63,593	2,552	61,041	4,817	6.9	22,141
1992	92,945	70,568	75.9	65,209	1,404	63,805	2,534	61,270	5,380	7.6	22,356
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1992:</b>											
February	92,578	70,089	75.7	64,765	1,414	63,351	2,506	60,845	5,324	7.6	22,489
March	92,655	70,324	75.9	64,964	1,417	63,547	2,509	61,038	5,360	7.6	22,331
April	92,733	70,460	76.0	65,194	1,417	63,777	2,514	61,263	5,266	7.5	22,273
May	92,806	70,741	76.2	65,244	1,414	63,830	2,530	61,300	5,497	7.8	22,065
June	92,882	70,827	76.3	65,181	1,410	63,751	2,539	61,212	5,666	8.0	22,055
July	92,971	70,723	76.1	65,238	1,408	63,830	2,545	61,285	5,485	7.8	22,248
August	93,061	70,840	76.1	65,309	1,408	63,801	2,547	61,354	5,531	7.8	22,221
September	93,146	70,860	76.1	65,383	1,407	63,978	2,573	61,403	5,477	7.7	22,286
October	93,238	70,726	75.9	65,318	1,394	63,924	2,550	61,374	5,410	7.8	22,510
November	93,324	70,708	75.8	65,416	1,373	64,043	2,541	61,502	5,292	7.5	22,616
December	93,420	70,754	75.7	65,554	1,360	64,194	2,593	61,601	5,200	7.3	22,668
<b>1993:</b>											
January	93,488	70,473	75.4	65,544	1,358	64,188	2,534	61,651	4,929	7.0	23,015
February	93,563	70,690	75.6	65,693	1,355	64,336	2,521	61,817	4,997	7.1	22,673
<b>Annual averages</b>											
<b>WOMEN</b>											
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993
1983	91,827	48,846	53.0	44,190	143	44,047	880	43,367	4,457	9.2	43,181
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686
1986	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376
1986 <sup>1</sup>	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195
1988	96,918	54,904	56.8	51,658	162	51,698	678	51,020	3,046	5.5	42,014
1989	97,796	56,198	57.5	53,027	168	53,027	887	52,341	3,003	5.3	41,601
1990	98,564	56,719	57.5	53,644	165	53,479	679	52,800	3,075	5.4	41,645
1991	99,376	57,057	57.4	53,448	164	53,284	682	52,602	3,609	6.3	42,321
1992	100,197	57,960	57.8	53,955	162	53,793	673	53,121	4,005	6.9	42,237
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1992:</b>											
February	99,891	57,881	57.7	53,782	171	53,611	707	52,904	3,899	6.8	42,210
March	99,951	57,809	57.8	53,885	168	53,717	885	53,032	3,924	6.8	42,142
April	100,012	57,860	57.9	53,901	160	53,741	692	53,049	3,959	6.8	42,152
May	100,075	57,872	57.8	53,910	160	53,750	656	53,094	3,962	6.8	42,203
June	100,142	58,041	58.0	53,919	160	53,759	705	53,054	4,122	7.1	42,101
July	100,220	58,195	58.1	54,052	160	53,892	862	53,230	4,143	7.1	42,025
August	100,295	58,130	58.0	54,037	158	53,879	671	53,208	4,093	7.0	42,165
September	100,367	57,980	57.6	53,907	159	53,748	648	53,100	4,073	7.0	42,367
October	100,445	57,890	57.6	53,921	158	53,763	619	53,144	3,989	6.9	42,555
November	100,523	58,188	57.9	54,179	158	54,021	668	53,353	4,009	6.9	42,335
December	100,606	58,354	58.0	54,274	157	54,117	869	53,448	4,080	7.0	42,252
<b>1993:</b>											
January	100,671	58,125	57.7	54,042	157	53,885	657	53,228	4,083	7.0	42,546
February	100,734	58,149	57.7	54,271	157	54,114	598	53,518	3,879	6.7	42,585

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

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

**HOUSEHOLD DATA  
HISTORICAL**

**A-3. Employment status of the civilian noninstitutional population 16 years and over, 1960 to date**

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
<b>Annual averages</b>								
1960 <sup>1</sup> .....	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961 .....	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 <sup>1</sup> .....	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963 .....	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964 .....	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965 .....	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966 .....	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967 .....	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968 .....	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969 .....	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970 .....	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971 .....	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 <sup>1</sup> .....	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974 .....	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975 .....	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976 .....	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977 .....	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979 .....	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980 .....	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981 .....	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982 .....	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983 .....	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984 .....	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985 .....	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987 .....	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988 .....	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
1989 .....	186,393	123,869	66.5	117,342	6,528	5.3	5.2	5.4
1990 .....	188,049	124,787	66.4	117,914	6,874	5.5	5.6	5.4
1991 .....	189,765	125,303	66.0	116,877	8,426	6.7	7.0	6.3
1992 .....	191,576	126,982	66.3	117,598	9,384	7.4	7.8	6.9
<b>Monthly data, seasonally adjusted<sup>2</sup></b>								
<b>1992:</b>								
February .....	190,884	126,185	66.1	116,962	9,223	7.3	7.8	6.8
March .....	191,022	126,548	66.2	117,264	9,284	7.3	7.8	6.8
April .....	191,168	126,743	66.3	117,518	9,225	7.3	7.6	6.9
May .....	191,307	127,039	66.4	117,580	9,459	7.4	7.9	6.9
June .....	191,455	127,298	66.5	117,510	9,788	7.7	8.2	7.1
July .....	191,622	127,350	66.5	117,722	9,628	7.6	7.9	7.1
August .....	191,790	127,404	66.4	117,780	9,624	7.6	8.0	7.1
September .....	191,947	127,274	66.3	117,724	9,550	7.5	7.9	7.0
October .....	192,131	127,066	66.1	117,687	9,379	7.4	7.8	6.9
November .....	192,316	127,365	66.2	118,064	9,301	7.3	7.6	6.9
December .....	192,509	127,591	66.3	118,311	9,280	7.3	7.5	7.0
<b>1993:</b>								
January .....	192,644	127,083	66.0	118,071	9,013	7.1	7.1	7.0
February .....	192,786	127,327	66.0	118,451	8,876	7.0	7.2	6.7

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

**Explanatory Notes.**

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





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

(Numbers in thousands)

Age, sex, and race	February 1993										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>BLACK</b>											
16 years and over .....	22,184	13,779	62.1	11,909	1,870	13.8	8,405	2,764	1,766	888	2,986
16 to 19 years .....	2,064	713	34.2	434	278	39.1	1,372	92	1,168	6	106
16 to 17 years .....	1,062	227	21.4	147	80	35.3	835	15	777	-	42
18 to 19 years .....	1,023	486	47.5	287	198	40.8	537	77	391	6	63
20 to 24 years .....	2,489	1,684	67.7	1,263	421	25.0	804	253	352	27	172
25 to 54 years .....	12,786	9,969	78.0	8,902	1,067	10.7	2,817	1,382	236	382	817
25 to 34 years .....	5,322	4,135	77.7	3,635	500	12.1	1,187	633	183	100	291
25 to 29 years .....	2,577	1,964	76.2	1,708	256	13.1	613	323	106	32	152
30 to 34 years .....	2,745	2,170	79.1	1,927	244	11.2	575	310	57	89	140
35 to 44 years .....	4,555	3,674	80.7	3,247	427	11.6	981	426	63	127	264
35 to 39 years .....	2,511	2,036	81.1	1,789	247	12.1	475	237	32	50	156
40 to 44 years .....	2,043	1,638	80.1	1,458	179	11.0	406	190	30	78	108
45 to 54 years .....	2,910	2,160	74.2	2,020	140	8.5	749	323	11	154	261
45 to 49 years .....	1,557	1,208	77.6	1,138	70	5.8	349	161	4	64	119
50 to 54 years .....	1,353	952	70.4	882	70	7.4	400	182	6	91	142
55 to 64 years .....	2,168	1,148	52.9	1,055	92	8.1	1,020	400	7	192	421
55 to 59 years .....	1,128	677	60.0	625	52	7.8	451	170	7	112	162
60 to 64 years .....	1,040	471	45.3	430	41	8.7	589	230	-	80	259
65 years and over .....	2,657	265	10.0	254	11	4.1	2,392	637	2	282	1,471
65 to 69 years .....	959	166	17.3	157	9	5.3	793	228	-	67	499
70 to 74 years .....	752	65	8.7	63	3	( <sup>1</sup> )	687	173	2	60	451
75 years and over .....	946	34	3.6	34	-	( <sup>1</sup> )	912	237	-	154	521
<b>Men</b>											
16 years and over .....	10,003	8,839	68.4	5,825	1,015	14.8	3,164	202	865	433	1,663
16 to 19 years .....	1,038	374	36.1	221	153	41.0	683	13	595	6	49
16 to 17 years .....	538	127	23.7	76	51	40.4	409	4	382	-	23
18 to 19 years .....	502	247	49.2	145	102	41.3	255	9	213	6	27
20 to 24 years .....	1,153	851	73.8	615	236	27.7	302	19	170	10	103
25 to 54 years .....	5,766	4,891	84.8	4,331	560	11.4	875	98	100	210	487
25 to 34 years .....	2,420	2,088	86.3	1,827	261	12.5	331	35	67	59	170
25 to 29 years .....	1,173	1,008	85.9	873	135	13.4	165	15	50	18	82
30 to 34 years .....	1,247	1,080	86.7	955	126	11.6	166	20	17	41	88
35 to 44 years .....	2,047	1,785	86.3	1,538	227	12.9	281	30	33	72	146
35 to 39 years .....	1,138	1,005	88.3	871	134	13.3	133	7	20	31	75
40 to 44 years .....	908	760	83.7	667	93	12.2	148	23	13	42	71
45 to 54 years .....	1,300	1,037	79.8	966	71	6.9	263	33	-	79	151
45 to 49 years .....	890	586	64.9	548	38	6.4	104	15	-	29	81
50 to 54 years .....	609	451	74.0	417	34	7.4	158	18	-	50	90
55 to 64 years .....	967	599	62.0	539	60	10.1	366	27	-	92	249
55 to 59 years .....	499	347	69.4	311	36	10.3	153	10	-	53	90
60 to 64 years .....	487	252	54.0	228	25	9.8	215	17	-	39	159
65 years and over .....	1,080	124	11.5	119	5	4.3	956	46	-	115	795
65 to 69 years .....	407	72	17.6	67	5	( <sup>1</sup> )	336	16	-	37	282
70 to 74 years .....	333	40	11.9	39	1	( <sup>1</sup> )	294	12	-	27	254
75 years and over .....	340	13	3.8	13	-	( <sup>1</sup> )	327	17	-	51	259
<b>Women</b>											
16 years and over .....	12,181	6,940	57.0	6,085	855	12.3	5,241	2,562	901	455	1,323
16 to 19 years .....	1,047	339	32.3	213	125	36.9	708	79	573	-	56
16 to 17 years .....	528	100	19.0	71	29	28.8	428	11	395	-	20
18 to 19 years .....	521	239	45.8	142	96	40.3	282	67	178	-	36
20 to 24 years .....	1,336	834	62.4	648	186	22.3	502	234	183	17	69
25 to 54 years .....	7,020	5,078	72.3	4,571	507	10.0	1,942	1,264	136	172	350
25 to 34 years .....	2,802	2,046	70.5	1,807	239	11.7	856	598	96	42	121
25 to 29 years .....	1,404	956	68.1	835	121	12.8	448	308	56	13	70
30 to 34 years .....	1,498	1,090	72.7	972	118	10.8	408	289	40	28	51
35 to 44 years .....	2,508	1,909	76.1	1,709	200	10.5	599	397	29	55	118
35 to 39 years .....	1,373	1,031	75.1	918	113	11.0	342	230	13	19	81
40 to 44 years .....	1,135	878	77.3	791	86	9.8	257	167	17	36	38
45 to 54 years .....	1,810	1,123	62.0	1,055	69	6.1	487	290	11	75	110
45 to 49 years .....	867	622	71.8	590	32	5.2	245	147	4	35	59
50 to 54 years .....	743	501	67.4	465	36	7.3	242	143	7	40	52
55 to 64 years .....	1,201	549	45.7	517	32	5.8	653	374	7	100	172
55 to 59 years .....	628	330	52.6	314	16	4.9	298	160	7	59	72
60 to 64 years .....	573	218	38.1	202	16	7.3	355	214	-	40	100
65 years and over .....	1,577	141	8.9	138	6	4.0	1,438	512	2	167	676
65 to 69 years .....	552	95	17.1	91	4	4.2	458	211	-	30	218
70 to 74 years .....	419	26	6.1	23	2	( <sup>1</sup> )	393	160	2	33	197
75 years and over .....	806	21	3.4	21	-	( <sup>1</sup> )	585	220	-	103	282

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	February 1993								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	29,357	18,441	62.8	16,147	176	15,970	2,295	12.4	10,915
16 to 19 years .....	2,613	905	34.6	571	12	558	334	36.9	1,708
16 to 17 years .....	1,306	281	21.5	185	3	182	96	34.2	1,025
18 to 19 years .....	1,307	624	47.7	385	10	376	238	38.2	683
20 to 24 years .....	3,269	2,189	67.0	1,699	13	1,686	490	22.4	1,080
25 to 54 years .....	17,294	13,462	77.8	12,138	111	12,027	1,325	9.8	3,832
25 to 34 years .....	7,085	5,466	77.2	4,859	44	4,814	608	11.1	1,619
25 to 29 years .....	3,399	2,571	75.6	2,270	24	2,246	301	11.7	828
30 to 34 years .....	3,685	2,695	78.6	2,588	20	2,568	307	10.6	790
35 to 44 years .....	6,178	4,956	80.2	4,435	37	4,399	520	10.5	1,222
35 to 39 years .....	3,364	2,696	80.1	2,406	24	2,382	290	10.8	668
40 to 44 years .....	2,814	2,260	80.3	2,029	12	2,017	230	10.2	554
45 to 54 years .....	4,032	3,040	75.4	2,844	30	2,813	196	6.5	991
45 to 49 years .....	2,155	1,676	77.8	1,569	13	1,555	107	6.4	479
50 to 54 years .....	1,877	1,364	72.7	1,275	17	1,258	89	6.5	513
55 to 64 years .....	2,872	1,540	53.6	1,408	28	1,380	132	8.6	1,332
55 to 59 years .....	1,511	940	62.2	864	20	844	76	8.0	571
60 to 64 years .....	1,362	600	44.1	544	8	536	56	9.4	761
65 years and over .....	3,308	345	10.4	331	11	320	14	4.0	2,963
65 to 69 years .....	1,205	213	17.7	202	1	201	11	5.1	992
70 to 74 years .....	939	90	9.5	87	9	78	3	3.0	849
75 years and over .....	1,164	42	3.6	42	1	41	-	( <sup>1</sup> )	1,121
<b>Men</b>									
16 years and over .....	13,407	9,328	69.6	8,055	148	7,906	1,273	13.7	4,079
16 to 19 years .....	1,314	474	36.1	290	10	280	184	36.8	840
16 to 17 years .....	670	157	23.4	94	3	91	63	40.1	513
18 to 19 years .....	644	317	49.2	196	7	189	121	38.2	327
20 to 24 years .....	1,572	1,131	71.9	853	10	843	278	24.6	441
25 to 54 years .....	7,876	6,742	85.6	6,026	96	5,930	715	10.6	1,135
25 to 34 years .....	3,268	2,803	85.8	2,477	40	2,436	326	11.6	463
25 to 29 years .....	1,587	1,347	84.9	1,184	21	1,163	163	12.1	240
30 to 34 years .....	1,678	1,456	86.7	1,292	19	1,273	163	11.2	223
35 to 44 years .....	2,795	2,443	87.4	2,164	29	2,135	279	11.4	352
35 to 39 years .....	1,527	1,358	88.9	1,198	19	1,179	159	11.7	169
40 to 44 years .....	1,268	1,085	85.6	966	11	955	119	11.0	183
45 to 54 years .....	1,816	1,496	82.4	1,366	26	1,359	111	7.4	320
45 to 49 years .....	957	825	86.2	758	10	748	67	8.1	132
50 to 54 years .....	858	671	78.2	627	16	611	44	6.5	187
55 to 64 years .....	1,277	808	63.2	717	26	691	90	11.2	469
55 to 59 years .....	659	482	73.1	429	18	411	54	11.1	177
60 to 64 years .....	618	325	52.7	289	8	281	36	11.2	292
65 years and over .....	1,368	174	12.7	168	6	162	6	3.5	1,194
65 to 69 years .....	525	105	19.9	100	1	99	5	4.7	420
70 to 74 years .....	405	51	12.6	51	4	46	1	( <sup>1</sup> )	354
75 years and over .....	438	18	4.2	18	1	17	1	( <sup>1</sup> )	420
<b>Women</b>									
16 years and over .....	15,950	9,113	57.1	8,092	28	8,064	1,021	11.2	6,836
16 to 19 years .....	1,300	431	33.2	281	2	279	151	34.9	868
16 to 17 years .....	636	124	19.6	91	-	91	33	26.7	512
18 to 19 years .....	663	307	46.3	189	2	187	117	38.2	356
20 to 24 years .....	1,897	1,058	62.4	646	3	643	212	20.0	639
25 to 54 years .....	9,418	6,721	71.4	6,112	15	6,096	609	9.1	2,697
25 to 34 years .....	3,819	2,664	69.7	2,362	4	2,378	282	10.6	1,156
25 to 29 years .....	1,812	1,224	67.6	1,086	3	1,083	138	11.3	588
30 to 34 years .....	2,007	1,439	71.7	1,296	1	1,295	144	10.0	568
35 to 44 years .....	3,383	2,513	74.3	2,271	7	2,264	242	9.6	870
35 to 39 years .....	1,837	1,339	72.9	1,208	6	1,202	130	9.7	499
40 to 44 years .....	1,546	1,175	76.0	1,063	1	1,062	111	9.5	371
45 to 54 years .....	2,216	1,544	69.7	1,458	4	1,454	86	5.6	672
45 to 49 years .....	1,197	851	71.1	810	4	807	41	4.8	346
50 to 54 years .....	1,018	893	88.0	648	1	647	45	6.5	326
55 to 64 years .....	1,595	732	45.9	691	2	688	42	5.7	863
55 to 59 years .....	851	457	53.7	435	3	433	23	4.8	394
60 to 64 years .....	744	275	37.0	255	-	255	20	7.2	469
65 years and over .....	1,940	171	8.8	183	5	158	8	4.5	1,789
65 to 69 years .....	680	108	15.9	102	-	102	6	5.5	572
70 to 74 years .....	534	39	7.2	36	5	32	2	( <sup>1</sup> )	495
75 years and over .....	725	24	3.3	24	-	24	-	( <sup>1</sup> )	702

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

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
<b>TOTAL</b>								
Civilian noninstitutional population .....	190,884	192,786	84,549	85,554	93,208	94,088	13,127	13,143
Civilian labor force .....	125,386	126,505	65,077	65,608	54,135	54,670	6,174	6,227
Percent of population .....	65.7	65.6	77.0	76.7	58.1	58.1	47.0	47.4
Employed .....	115,224	116,735	59,625	60,502	50,734	51,306	4,866	4,927
Agriculture .....	2,786	2,681	2,083	2,032	584	493	119	155
Nonagricultural industries .....	112,438	114,054	57,542	58,470	50,150	50,813	4,746	4,772
Unemployed .....	10,161	9,770	5,452	5,106	3,401	3,364	1,308	1,300
Unemployment rate .....	8.1	7.7	8.4	7.8	6.3	6.2	21.2	20.9
Not in labor force .....	65,498	66,281	19,472	19,946	39,073	39,418	6,953	6,916
<b>White</b>								
Civilian noninstitutional population .....	162,219	163,429	72,763	73,461	78,911	79,438	10,546	10,529
Civilian labor force .....	107,442	108,063	56,400	56,754	45,742	45,988	5,301	5,321
Percent of population .....	66.2	66.1	77.5	77.3	58.0	57.9	50.3	50.5
Employed .....	99,583	100,588	52,072	52,737	43,206	43,495	4,304	4,356
Agriculture .....	2,617	2,504	1,940	1,894	562	467	114	143
Nonagricultural industries .....	96,966	98,084	50,132	50,843	42,644	43,027	4,190	4,213
Unemployed .....	7,860	7,475	4,328	4,017	2,535	2,493	996	965
Unemployment rate .....	7.3	6.9	7.7	7.1	5.5	5.4	18.8	18.1
Not in labor force .....	54,777	55,366	16,363	16,707	33,169	33,451	5,245	5,208
<b>Black</b>								
Civilian noninstitutional population .....	21,828	22,184	8,795	8,966	10,957	11,134	2,076	2,084
Civilian labor force .....	13,505	13,779	6,354	6,465	6,437	6,601	713	713
Percent of population .....	61.9	62.1	72.3	72.1	58.7	59.3	34.3	34.2
Employed .....	11,555	11,909	5,411	5,604	5,710	5,871	434	434
Agriculture .....	116	120	97	96	13	14	5	10
Nonagricultural industries .....	11,440	11,789	5,314	5,508	5,696	5,857	429	425
Unemployed .....	1,949	1,870	943	861	727	730	279	278
Unemployment rate .....	14.4	13.6	14.8	13.3	11.3	11.1	39.1	39.1
Not in labor force .....	8,323	8,405	2,440	2,501	4,520	4,533	1,363	1,372

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-7. 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	February 1993									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL ENROLLED</b>										
Total, 16 to 24 years .....	15,870	7,372	46.5	6,317	1,076	5,241	1,056	159	897	14.3
16 to 19 years .....	10,410	4,211	40.5	3,430	237	3,192	782	51	731	18.6
20 to 24 years .....	5,460	3,161	57.9	2,887	839	2,048	274	108	167	8.7
High school .....	8,128	3,000	36.9	2,382	129	2,253	618	43	575	20.6
College .....	7,741	4,372	56.5	3,934	946	2,988	438	115	322	10.0
Full-time students .....	6,822	3,403	51.4	3,060	414	2,646	343	74	269	10.1
Part-time students .....	1,120	969	86.5	874	533	341	95	42	53	9.8
Men, 16 to 24 years .....	8,048	3,630	45.1	3,035	543	2,492	595	82	513	16.4
18 to 19 years .....	5,369	2,138	39.8	1,666	125	1,571	441	26	415	20.6
20 to 24 years .....	2,679	1,492	55.7	1,338	417	921	154	56	98	10.3
High school .....	4,336	1,609	37.1	1,239	82	1,157	370	25	346	23.0
College .....	3,712	2,021	54.4	1,796	460	1,335	225	57	168	11.1
Full-time students .....	3,218	1,581	49.1	1,410	222	1,188	171	40	131	10.8
Part-time students .....	493	440	89.1	386	238	148	54	17	38	12.2
Women, 16 to 24 years .....	7,822	3,742	47.8	3,282	533	2,749	460	77	384	12.3
16 to 19 years .....	5,041	2,074	41.1	1,733	112	1,621	340	25	315	16.4
20 to 24 years .....	2,782	1,669	60.0	1,548	421	1,127	120	52	68	7.2
High school .....	3,793	1,391	38.7	1,143	47	1,096	248	19	229	17.8
College .....	4,030	2,351	56.3	2,138	486	1,652	213	58	155	9.1
Full-time students .....	3,403	1,822	53.5	1,650	192	1,458	172	34	136	9.4
Part-time students .....	627	530	84.5	488	294	194	41	24	17	7.8
<b>White</b>										
Total, 16 to 24 years .....	12,757	6,338	49.7	5,538	930	4,606	802	110	693	12.7
16 to 19 years .....	8,350	3,666	43.9	3,063	215	2,848	803	32	571	16.4
20 to 24 years .....	4,407	2,673	60.6	2,473	715	1,758	199	77	122	7.5
Men .....	6,476	3,118	48.1	2,870	483	2,187	448	55	393	14.4
Women .....	6,280	3,220	51.3	2,866	447	2,419	354	55	299	11.0
High school .....	6,359	2,562	40.3	2,091	113	1,978	471	26	446	18.4
College .....	6,398	3,776	59.0	3,445	817	2,628	331	84	247	8.8
Full-time students .....	5,465	2,955	54.1	2,885	358	2,327	270	57	212	9.1
Part-time students .....	932	821	88.1	780	459	301	61	27	35	7.5
<b>Black</b>										
Total, 16 to 24 years .....	2,290	709	31.0	511	90	421	198	37	161	28.0
16 to 19 years .....	1,627	422	25.9	276	13	263	146	18	128	34.6
20 to 24 years .....	663	287	43.4	235	78	158	52	19	33	18.2
Men .....	1,123	344	30.7	229	32	197	115	18	97	33.5
Women .....	1,166	365	31.3	282	59	223	83	19	64	22.7
High school .....	1,422	350	24.6	225	11	214	125	16	107	35.8
College .....	867	359	41.4	286	79	207	73	19	54	20.4
Full-time students .....	754	273	38.3	225	40	185	49	8	40	17.8
Part-time students .....	113	86	75.4	61	39	22	24	11	14	28.5
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,459	583	39.9	464	99	365	119	22	96	20.4
16 to 19 years .....	1,038	320	30.9	235	17	218	85	7	78	26.6
20 to 24 years .....	420	262	62.4	229	82	147	33	15	18	12.7
Men .....	747	302	40.5	225	47	179	77	11	66	25.4
Women .....	712	280	39.4	239	52	188	42	11	31	14.9
High school .....	875	224	25.6	147	16	131	76	8	70	34.2
College .....	584	359	61.5	317	83	234	42	18	26	11.7
Full-time students .....	438	232	53.2	204	19	185	28	11	16	11.9
Part-time students .....	148	127	86.0	113	84	49	14	5	10	11.3

See footnotes at end of table.



**A-7. 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	February 1993									
	Civilian noninstitutional population	Civilian labor force								Percent of labor force
		Total	Percent of population	Employed			Unemployed			
				Total	Full time <sup>1</sup>	Part time <sup>1</sup>	Total	Looking for full-time work	Looking for part-time work	
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	14,949	12,236	81.9	10,356	8,470	1,886	1,880	1,698	182	15.4
16 to 19 years .....	2,733	2,015	73.7	1,497	1,021	476	518	440	78	25.7
20 to 24 years .....	12,216	10,221	83.7	8,859	7,449	1,410	1,362	1,258	104	13.3
Less than a high school diploma .....	3,515	2,266	64.5	1,652	1,280	392	614	564	50	27.1
High school graduates, no college .....	6,669	5,582	83.7	4,739	3,846	894	842	753	90	15.1
Less than a bachelors degree .....	3,395	3,078	90.6	2,745	2,270	475	331	295	36	10.8
College graduates .....	1,371	1,313	95.8	1,220	1,094	126	93	87	6	7.1
<b>Men, 16 to 24 years .....</b>	<b>7,288</b>	<b>6,697</b>	<b>91.9</b>	<b>5,578</b>	<b>4,785</b>	<b>793</b>	<b>1,120</b>	<b>1,082</b>	<b>37</b>	<b>16.7</b>
18 to 19 years .....	1,285	1,091	84.9	795	597	198	296	277	19	27.1
20 to 24 years .....	6,003	5,607	93.4	4,783	4,188	595	824	806	18	14.7
Less than a high school diploma .....	1,826	1,540	84.3	1,130	920	210	410	395	15	26.6
High school graduates, no college .....	3,318	3,085	93.0	2,612	2,236	375	472	462	11	15.3
Less than a bachelors degree .....	1,563	1,500	95.9	1,314	1,154	160	186	178	7	12.4
College graduates .....	583	573	98.3	522	473	49	51	47	4	9.0
<b>Women, 16 to 24 years .....</b>	<b>7,661</b>	<b>5,539</b>	<b>72.3</b>	<b>4,778</b>	<b>3,685</b>	<b>1,093</b>	<b>761</b>	<b>618</b>	<b>145</b>	<b>13.7</b>
18 to 19 years .....	1,448	924	63.8	702	424	278	222	163	59	24.1
20 to 24 years .....	6,213	4,615	74.3	4,076	3,261	815	538	452	86	11.7
Less than a high school diploma .....	1,689	726	43.0	522	340	182	204	169	35	28.1
High school graduates, no college .....	3,353	2,497	74.5	2,127	1,608	519	370	291	79	14.8
Less than a bachelors degree .....	1,832	1,576	86.0	1,431	1,116	315	145	117	29	9.2
College graduates .....	788	740	93.9	698	621	78	42	40	2	5.6
<b>White</b>										
Total, 18 to 24 years .....	12,180	10,176	83.5	8,867	7,310	1,557	1,309	1,181	128	12.9
16 to 19 years .....	2,180	1,856	85.1	1,293	905	388	362	302	60	21.9
20 to 24 years .....	10,001	8,520	85.2	7,574	6,404	1,169	947	879	68	11.1
Men .....	5,974	5,805	97.2	4,800	4,146	654	804	771	33	14.4
Women .....	6,207	4,571	73.7	4,067	3,164	903	505	410	95	11.0
Less than a high school diploma .....	2,843	1,894	66.6	1,442	1,114	327	453	415	37	23.9
High school graduates, no college .....	5,314	4,540	85.4	3,974	3,253	720	586	498	69	12.5
Less than a bachelors degree .....	2,789	2,553	91.5	2,341	1,949	392	212	195	17	8.3
College graduates .....	1,234	1,189	96.4	1,111	993	117	78	73	6	6.6
<b>Black</b>										
Total, 16 to 24 years .....	2,283	1,688	73.9	1,187	907	279	501	455	46	29.7
18 to 19 years .....	457	291	63.6	159	86	72	132	116	16	45.5
20 to 24 years .....	1,826	1,397	76.5	1,028	821	207	369	339	30	26.4
Men .....	1,067	881	82.5	607	479	128	274	272	2	31.1
Women .....	1,216	807	66.4	579	428	151	228	183	45	28.2
Less than a high school diploma .....	563	296	52.6	156	101	55	140	129	11	47.2
High school graduates, no college .....	1,171	903	77.1	648	492	156	255	237	18	28.2
Less than a bachelors degree .....	463	407	87.9	314	248	66	93	77	16	22.9
College graduates .....	85	82	95.7	68	68	2	14	13	1	16.7
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,057	1,508	73.3	1,215	1,015	200	294	262	32	19.5
18 to 19 years .....	473	299	63.1	208	154	54	91	76	15	30.3
20 to 24 years .....	1,584	1,210	76.4	1,007	861	146	203	186	17	18.8
Men .....	1,042	978	93.9	780	882	98	198	181	18	20.3
Women .....	1,014	530	52.3	435	333	102	95	81	15	18.0
Less than a high school diploma .....	1,064	689	64.8	524	434	90	165	142	23	23.9
High school graduates, no college .....	727	586	80.8	483	406	76	104	96	8	17.7
Less than a bachelors degree .....	234	205	87.6	180	147	33	25	23	2	12.1
College graduates .....	32	28	( <sup>2</sup> )	28	27	-	1	1	-	( <sup>2</sup> )

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

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

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

college students into that group. Educational attainment levels, beginning January 1992, have been revised to reflect degrees or diplomas received rather than years of school completed. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Feb. 1992	Feb. 1993	Total		Employed		Unemployed			
			Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Number		Percent of labor force	
							Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,838	7,907	7,040	7,040	6,542	6,630	498	410	7.1	5.8
35 to 49 years .....	6,356	6,080	5,915	5,648	5,460	5,292	455	356	7.7	6.3
35 to 39 years .....	1,017	813	937	750	847	662	90	88	9.6	11.7
40 to 44 years .....	2,845	2,421	2,647	2,248	2,438	2,107	209	141	7.9	6.3
45 to 49 years .....	2,494	2,846	2,331	2,650	2,175	2,523	157	127	6.7	4.8
50 years and over .....	1,482	1,827	1,125	1,392	1,082	1,338	43	55	3.8	3.9
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	18,986	19,954	17,669	18,541	16,404	17,334	1,264	1,207	7.2	6.5
35 to 39 years .....	8,613	8,899	8,109	8,372	7,495	7,810	614	563	7.6	6.7
40 to 44 years .....	6,040	6,569	5,604	6,071	5,229	5,713	376	359	6.7	5.9
45 to 49 years .....	4,333	4,486	3,955	4,097	3,680	3,812	275	286	6.9	7.0

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.

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

(In thousands)

Sex, age, and race	February 1993							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules <sup>1</sup>	Part time for economic reasons, usually work full time	Total	Voluntary <sup>1</sup>	Part time for economic reasons, usually work part time		
<b>TOTAL</b>								
Total, 16 years and over .....	95,780	93,459	2,322	20,954	16,569	4,385	8,035	1,735
16 to 19 years .....	1,258	1,177	81	3,668	3,311	357	491	809
16 to 17 years .....	139	130	9	1,699	1,638	61	75	436
18 to 19 years .....	1,120	1,047	72	1,970	1,673	297	416	373
20 years and over .....	94,522	92,281	2,241	17,286	13,258	4,028	7,544	926
20 to 24 years .....	8,287	7,968	320	3,458	2,662	796	1,366	270
25 years and over .....	86,235	84,314	1,921	13,827	10,596	3,232	6,178	656
25 to 54 years .....	75,330	73,637	1,693	10,075	7,319	2,756	5,603	476
55 years and over .....	10,904	10,677	228	3,753	3,277	476	575	180
<b>Men, 16 years and over .....</b>	<b>55,835</b>	<b>54,394</b>	<b>1,441</b>	<b>7,158</b>	<b>5,400</b>	<b>1,758</b>	<b>5,134</b>	<b>709</b>
16 to 19 years .....	722	672	50	1,769	1,595	174	303	435
20 years and over .....	55,113	53,722	1,391	5,389	3,805	1,584	4,832	275
20 to 24 years .....	4,605	4,388	217	1,516	1,122	394	862	116
25 years and over .....	50,508	49,334	1,174	3,873	2,683	1,190	3,970	158
25 to 54 years .....	43,782	42,724	1,038	2,322	1,300	1,021	3,574	91
55 years and over .....	6,746	6,610	136	1,552	1,383	169	396	67
<b>Women, 16 years and over .....</b>	<b>39,945</b>	<b>39,065</b>	<b>881</b>	<b>13,796</b>	<b>11,169</b>	<b>2,627</b>	<b>2,901</b>	<b>1,025</b>
16 to 19 years .....	536	505	31	1,899	1,716	183	189	374
20 years and over .....	39,409	38,560	850	11,897	9,453	2,444	2,713	651
20 to 24 years .....	3,682	3,580	103	1,942	1,540	402	504	154
25 years and over .....	35,727	34,980	747	9,954	7,913	2,042	2,208	497
25 to 54 years .....	31,568	30,913	655	7,753	6,019	1,734	2,030	385
55 years and over .....	4,159	4,067	92	2,201	1,894	307	179	113
<b>White</b>								
<b>Men, 16 years and over .....</b>	<b>48,846</b>	<b>47,613</b>	<b>1,233</b>	<b>6,093</b>	<b>4,711</b>	<b>1,382</b>	<b>4,022</b>	<b>548</b>
16 to 19 years .....	651	604	47	1,551	1,409	142	212	341
20 years and over .....	48,195	47,009	1,187	4,542	3,302	1,240	3,810	207
20 to 24 years .....	3,978	3,789	189	1,291	969	321	614	86
25 years and over .....	44,218	43,220	998	3,251	2,333	919	3,196	121
25 to 54 years .....	38,208	37,334	874	1,850	1,051	797	2,878	71
55 years and over .....	6,010	5,886	124	1,402	1,280	122	317	50
<b>Women, 16 years and over .....</b>	<b>33,368</b>	<b>32,654</b>	<b>714</b>	<b>12,281</b>	<b>10,137</b>	<b>2,144</b>	<b>2,097</b>	<b>808</b>
16 to 19 years .....	469	445	24	1,685	1,537	148	122	290
20 years and over .....	32,899	32,209	690	10,596	8,600	1,997	1,975	519
20 to 24 years .....	3,142	3,070	71	1,637	1,320	317	342	105
25 years and over .....	29,757	29,138	619	8,959	7,280	1,680	1,633	414
25 to 54 years .....	26,223	25,691	531	8,987	5,555	1,432	1,488	317
55 years and over .....	3,534	3,447	88	1,972	1,725	247	145	97
<b>Black</b>								
<b>Men, 16 years and over .....</b>	<b>5,067</b>	<b>4,903</b>	<b>164</b>	<b>758</b>	<b>453</b>	<b>305</b>	<b>890</b>	<b>124</b>
16 to 19 years .....	45	41	4	176	146	30	75	79
20 years and over .....	5,022	4,862	160	582	307	275	816	45
20 to 24 years .....	466	447	19	149	83	66	215	20
25 years and over .....	4,556	4,416	141	432	224	209	600	25
25 to 54 years .....	4,020	3,885	135	311	132	179	545	15
55 years and over .....	536	531	6	121	91	30	55	10
<b>Women, 16 years and over .....</b>	<b>4,987</b>	<b>4,841</b>	<b>146</b>	<b>1,098</b>	<b>728</b>	<b>369</b>	<b>679</b>	<b>176</b>
16 to 19 years .....	54	47	7	159	134	26	60	65
20 years and over .....	4,933	4,794	139	938	595	344	620	111
20 to 24 years .....	433	401	31	215	142	73	143	43
25 years and over .....	4,500	4,393	107	723	452	271	477	68
25 to 54 years .....	4,032	3,927	105	539	308	231	452	55
55 years and over .....	468	466	2	184	144	40	25	13

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

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

(Numbers in thousands)

Family relationship	February 1993									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over <sup>1</sup> .....	100,239	66.0	92,628	7,611	7.6	51,605	19,624	8,729	2,852	20,400
Husbands .....	40,048	77.1	37,954	2,094	5.2	11,924	242	192	1,104	10,385
With employed wife .....	26,854	91.2	25,580	1,274	4.7	2,595	126	105	448	1,916
With unemployed wife .....	1,285	94.2	1,079	206	16.0	79	4	4	20	52
With wife not in labor force .....	11,909	56.3	11,295	614	5.2	9,249	113	83	636	8,417
Wives .....	30,813	59.3	29,449	1,364	4.4	21,158	15,075	484	489	5,111
With employed husband .....	26,659	70.2	25,580	1,079	4.0	11,295	9,446	397	158	1,293
With unemployed husband .....	1,480	70.7	1,274	206	13.9	614	476	35	34	70
With husband not in labor force .....	2,675	22.4	2,595	79	3.0	9,249	5,152	51	297	3,749
Relatives in married-couple families .....	12,141	80.3	10,325	1,816	15.0	8,004	618	5,532	416	1,438
16 to 19 years .....	3,898	46.9	3,218	680	17.4	4,407	72	4,066	11	257
20 to 24 years .....	4,427	72.7	3,842	585	13.2	1,662	126	1,280	36	220
25 years and over .....	3,816	66.4	3,265	551	14.4	1,935	420	186	369	961
Women who maintain families .....	7,389	62.3	6,628	761	10.3	4,473	2,632	238	292	1,312
Relatives in families maintained by women .....	5,618	56.9	4,605	1,012	18.0	4,261	718	1,872	373	1,297
16 to 19 years .....	1,212	42.1	882	330	27.2	1,670	79	1,451	5	135
20 to 24 years .....	1,479	70.7	1,209	270	18.3	612	130	309	15	159
25 years and over .....	2,926	59.7	2,514	412	14.1	1,979	509	112	353	1,003
Men who maintain families .....	2,406	76.9	2,142	264	11.0	723	37	53	94	539
Relatives in families maintained by men .....	1,823	63.2	1,523	299	16.4	1,063	302	358	84	319
16 to 19 years .....	256	48.6	180	75	29.5	270	19	230	3	19
20 to 24 years .....	475	75.1	386	88	18.6	157	26	94	2	35
25 years and over .....	1,093	63.2	957	136	12.4	636	257	34	79	265

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

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

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

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
Total, 16 years and over .....	6,218	5,843	9.1	8.5	3,944	3,927	6.9	6.8
Married, spouse present .....	2,565	2,344	6.1	5.5	1,612	1,478	5.1	4.7
Widowed, divorced, or separated .....	909	881	11.8	11.6	896	945	7.7	8.1
Single (never married) .....	2,744	2,619	14.8	14.1	1,435	1,503	10.1	10.6
White, 16 years and over .....	4,912	4,570	8.3	7.7	2,948	2,905	6.1	6.0
Married, spouse present .....	2,176	1,954	5.8	5.1	1,364	1,233	4.9	4.4
Widowed, divorced, or separated .....	887	686	10.9	10.8	683	692	7.3	7.4
Single (never married) .....	2,049	1,929	13.4	12.7	901	980	8.1	8.8
Black, 16 years and over .....	1,104	1,015	16.4	14.8	846	855	12.5	12.3
Married, spouse present .....	306	267	10.0	8.3	177	177	7.6	7.5
Widowed, divorced, or separated .....	188	157	16.6	16.2	190	207	9.9	10.6
Single (never married) .....	609	591	24.1	22.3	479	471	18.9	18.0
Total, 25 years and over .....	4,403	4,129	7.6	7.1	2,790	2,705	5.8	5.6
Married, spouse present .....	2,410	2,180	5.9	5.3	1,424	1,288	4.8	4.3
Widowed, divorced, or separated .....	857	836	11.4	11.3	826	880	7.4	7.8
Single (never married) .....	1,135	1,112	11.4	11.3	540	537	7.6	7.5
White, 25 years and over .....	3,529	3,317	7.0	6.5	2,086	2,047	5.2	5.0
Married, spouse present .....	2,038	1,837	5.6	5.0	1,195	1,085	4.6	4.1
Widowed, divorced, or separated .....	641	651	10.5	10.5	621	643	6.9	7.2
Single (never married) .....	849	830	10.5	10.5	271	319	5.1	6.2
Black, 25 years and over .....	728	626	13.1	11.1	580	545	10.3	9.4
Married, spouse present .....	293	231	9.9	7.4	158	145	7.2	6.5
Widowed, divorced, or separated .....	183	148	16.5	15.6	184	192	9.7	10.0
Single (never married) .....	252	246	17.2	15.8	238	208	15.1	12.7

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
Total, 16 years and over .....	10,161	9,770	8.1	7.7	9.1	8.5	6.9	6.8
Managerial and professional specialty .....	965	1,139	3.0	3.4	3.2	3.3	2.8	3.6
Executive, administrative, and managerial .....	587	641	3.8	4.1	3.8	3.7	3.9	4.7
Professional specialty .....	378	498	2.3	2.9	2.5	2.9	2.0	2.8
Technical, sales, and administrative support .....	2,327	2,128	6.0	5.5	5.3	5.1	6.3	5.7
Technicians and related support .....	171	183	3.9	4.3	4.8	4.3	3.0	4.2
Sales occupations .....	1,016	911	7.0	6.2	5.2	4.7	8.8	7.9
Administrative support, including clerical .....	1,141	1,035	5.7	5.2	5.7	6.1	5.7	5.0
Service occupations .....	1,427	1,420	8.2	8.0	8.7	8.9	7.8	7.4
Private household .....	58	71	6.7	8.1	( <sup>1</sup> )	-	6.3	8.5
Protective service .....	118	107	5.1	4.6	4.5	4.0	8.2	7.5
Service, except private household and protective .....	1,250	1,242	8.8	8.6	10.2	10.7	7.9	7.3
Precision production, craft, and repair .....	1,690	1,422	12.0	10.2	12.2	10.5	9.1	6.8
Mechanics and repairers .....	317	321	6.9	7.1	7.1	7.1	1.2	7.9
Construction trades .....	1,022	843	19.0	15.9	19.3	16.0	.9	11.0
Other precision production, craft, and repair .....	352	258	8.4	6.3	7.7	6.3	11.1	6.2
Operators, fabricators, and laborers .....	2,566	2,293	13.7	12.1	14.3	12.1	11.8	12.1
Machine operators, assemblers, and inspectors .....	1,065	941	12.8	11.4	12.8	11.2	12.9	11.7
Transportation and material moving occupations .....	555	496	10.5	9.4	10.9	9.4	6.7	9.2
Handlers, equipment cleaners, helpers, and laborers .....	945	855	18.3	15.8	19.8	16.0	10.6	14.9
Construction laborers .....	283	215	33.8	25.6	33.8	25.2	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	662	641	15.3	14.0	16.5	14.0	10.1	14.2
Farming, forestry, and fishing .....	351	395	11.0	12.6	10.7	12.2	12.7	15.0
No previous work experience .....	837	897	-	-	-	-	-	-
16 to 19 years .....	534	600	-	-	-	-	-	-
20 to 24 years .....	170	171	-	-	-	-	-	-
25 years and over .....	132	127	-	-	-	-	-	-

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

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
Total, 16 years and over .....	10,161	9,770	8.1	7.7	9.1	8.5	6.9	6.8
Nonagricultural private wage and salary workers .....	8,122	7,612	8.6	8.1	9.9	9.0	7.1	7.1
Mining .....	78	57	10.4	8.6	10.3	9.6	10.5	2.9
Construction .....	1,444	1,157	24.4	20.0	26.0	20.8	8.0	10.9
Manufacturing .....	1,829	1,682	8.7	8.2	8.3	7.9	9.4	8.9
Durable goods .....	1,073	930	8.8	8.0	8.7	7.8	9.2	8.5
Lumber and wood products .....	75	57	12.6	9.4	13.6	9.6	5.4	8.0
Furniture and fixtures .....	76	72	12.7	11.0	13.2	11.2	11.5	10.6
Stone, clay, and glass products .....	70	47	11.9	8.7	10.6	8.7	16.2	8.6
Primary metal industries .....	59	57	7.2	7.0	7.7	6.8	3.0	8.2
Fabricated metal products .....	132	113	10.1	9.4	10.2	9.2	9.8	9.9
Machinery and computing equipment .....	133	152	5.4	6.7	5.5	6.9	5.1	6.0
Electrical machinery, equipment, and supplies .....	155	142	7.9	7.7	7.7	5.6	8.2	10.5
Transportation equipment .....	244	174	10.0	7.4	9.8	7.4	10.7	7.3
Automobiles .....	130	58	10.8	4.9	10.2	4.7	12.7	5.5
Other transportation equipment .....	114	116	9.2	9.9	9.3	10.1	8.6	9.2
Professional and photographic equipment .....	49	36	5.8	5.3	3.9	5.5	8.4	4.9
Other durable goods industries .....	80	80	15.4	13.0	12.9	14.4	17.3	10.9
Nondurable goods .....	756	752	8.4	8.5	7.6	8.1	9.6	9.1
Food and kindred products .....	209	208	11.0	11.1	9.6	9.7	13.7	13.8
Textile mill products .....	62	54	8.9	8.2	9.0	9.7	8.9	6.6
Apparel and other textile products .....	143	150	12.2	12.6	14.9	10.4	11.3	13.5
Paper and allied products .....	43	38	5.3	5.1	5.1	5.3	6.2	4.7
Printing and publishing .....	107	109	5.8	6.0	5.6	6.5	6.1	5.3
Chemicals and allied products .....	77	75	5.6	5.9	5.1	6.0	6.8	5.8
Rubber and miscellaneous plastics products .....	66	82	8.3	9.7	8.0	10.7	9.0	7.8
Other nondurable goods industries .....	48	35	12.3	8.8	10.8	10.5	16.7	6.8
Transportation and public utilities .....	404	352	6.1	5.3	6.4	5.6	5.2	4.6
Transportation .....	330	254	8.6	6.3	9.1	6.8	7.3	4.8
Communications and other public utilities .....	74	98	2.6	3.8	2.2	3.4	3.3	4.5
Wholesale and retail trade .....	2,187	2,092	9.1	8.6	8.8	8.3	9.4	8.8
Wholesale trade .....	331	364	7.3	7.6	7.4	7.2	7.2	8.5
Retail trade .....	1,856	1,728	9.5	8.8	9.3	8.7	9.7	8.9
Finance, insurance, and real estate .....	357	331	4.8	4.6	5.0	4.5	4.7	4.7
Service industries .....	1,822	1,941	6.5	6.7	8.0	7.8	5.5	6.0
Professional services .....	672	752	4.0	4.3	4.2	4.4	3.9	4.3
Other service industries .....	1,150	1,189	10.5	10.3	11.4	10.9	9.2	9.6
Agricultural wage and salary workers .....	265	287	15.8	17.7	15.7	17.3	16.1	19.3
Government, self-employed, and unpaid family workers .....	938	974	3.3	3.3	3.4	3.7	3.1	2.7
No previous work experience .....	837	897	-	-	-	-	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	10,161	9,770	5,452	5,106	3,401	3,364	1,308	1,300	7,860	7,475	1,949	1,870
Job losers .....	6,337	5,661	4,196	3,660	1,826	1,689	315	313	5,041	4,479	1,108	973
On layoff .....	1,766	1,479	1,290	1,067	400	345	77	67	1,540	1,285	200	161
Other job losers .....	4,570	4,182	2,907	2,593	1,426	1,344	238	246	3,501	3,194	908	812
Job leavers .....	910	1,022	399	502	389	384	122	136	719	819	163	162
Reentrants .....	2,160	2,288	741	838	1,043	1,130	376	320	1,596	1,651	479	518
New entrants .....	754	798	115	107	143	161	496	530	504	527	199	217
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	62.4	57.9	77.0	71.7	53.7	50.2	24.0	24.1	64.1	59.9	56.8	52.0
On layoff .....	17.4	15.1	23.7	20.9	11.8	10.3	5.9	5.2	19.6	17.2	10.2	8.6
Other job losers .....	45.0	42.8	53.3	50.8	41.9	39.9	18.2	18.9	44.5	42.7	46.6	43.4
Job leavers .....	9.0	10.5	7.3	9.8	11.4	11.4	9.3	10.5	9.1	11.0	8.4	8.6
Reentrants .....	21.3	23.4	13.6	16.4	30.7	33.6	28.7	24.6	20.3	22.1	24.6	27.7
New entrants .....	7.4	8.2	2.1	2.1	4.2	4.8	37.9	40.8	6.4	7.0	10.2	11.6
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	5.1	4.5	6.4	5.6	3.4	3.1	5.1	5.0	4.7	4.1	8.2	7.1
Job leavers .....	.7	.8	.6	.8	.7	.7	2.0	2.2	.7	.8	1.2	1.2
Reentrants .....	1.7	1.8	1.1	1.3	1.9	2.1	6.1	5.1	1.5	1.5	3.5	3.8
New entrants .....	.6	.6	.2	.2	.3	.3	8.0	8.5	.5	.5	1.5	1.6



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

(Percent distribution)

Reason, sex, and age	February 1993						
	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 .....	9,770	100.0	32.1	32.3	35.6	15.0	20.5
Job losers .....	5,661	100.0	24.8	33.5	41.8	17.3	24.4
On layoff .....	1,479	100.0	35.4	39.6	25.1	16.4	8.7
Other job losers .....	4,182	100.0	21.0	31.3	47.7	17.7	30.0
Job leavers .....	1,022	100.0	41.4	30.5	28.1	12.7	15.4
Reentrants .....	2,288	100.0	42.3	31.0	26.8	11.5	15.2
New entrants .....	798	100.0	43.3	30.0	26.6	11.7	15.0
Men, 20 years and over .....	5,106	100.0	25.5	33.4	41.2	17.1	24.1
Job losers .....	3,660	100.0	23.1	33.6	43.3	17.9	25.3
On layoff .....	1,067	100.0	32.4	42.4	25.2	17.3	8.0
Other job losers .....	2,593	100.0	19.3	30.0	50.7	18.2	32.5
Job leavers .....	502	100.0	33.2	33.0	33.8	15.7	18.1
Reentrants .....	838	100.0	31.1	32.6	36.3	14.3	22.0
New entrants .....	107	100.0	25.3	32.5	42.1	15.5	26.6
Women, 20 years and over .....	3,364	100.0	35.4	30.4	34.2	14.2	20.0
Job losers .....	1,689	100.0	24.7	32.5	42.8	17.4	25.4
On layoff .....	345	100.0	43.0	30.8	26.2	14.2	11.9
Other job losers .....	1,344	100.0	20.0	32.9	47.1	18.2	28.9
Job leavers .....	384	100.0	42.9	28.8	28.3	11.3	17.1
Reentrants .....	1,130	100.0	47.0	28.9	24.1	10.9	13.2
New entrants .....	161	100.0	47.0	23.5	29.5	11.2	18.3
Both sexes, 16 to 19 years .....	1,300	100.0	49.9	33.0	17.2	9.1	8.0
Job losers .....	313	100.0	44.2	37.2	18.6	9.8	8.8
On layoff .....	67	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	246	100.0	44.2	36.6	19.2	8.9	10.3
Job leavers .....	136	100.0	67.3	26.4	6.3	5.6	.6
Reentrants .....	320	100.0	54.7	34.0	11.2	6.7	4.5
New entrants .....	530	100.0	45.8	31.5	22.7	11.1	11.6

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

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

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
Total, 16 years and over .....	10,161	9,770	100.0	100.0	8,490	8,035	100.0	100.0
Less than 5 weeks .....	3,020	3,138	29.7	32.1	2,237	2,261	26.4	28.1
5 to 14 weeks .....	3,642	3,156	35.8	32.3	3,075	2,660	36.2	33.1
5 to 10 weeks .....	2,601	2,193	25.6	22.4	2,165	1,795	25.5	22.3
11 to 14 weeks .....	1,041	964	10.2	9.9	911	865	10.7	10.8
15 weeks and over .....	3,499	3,476	34.4	35.6	3,177	3,115	37.4	38.8
15 to 26 weeks .....	1,693	1,468	16.7	15.0	1,472	1,267	17.3	15.8
27 weeks and over .....	1,807	2,008	17.8	20.5	1,706	1,848	20.1	23.0
27 to 51 weeks .....	866	874	8.5	8.9	808	794	9.5	9.9
52 weeks and over .....	941	1,134	9.3	11.6	898	1,054	10.6	13.1
Average (mean) duration, in weeks .....	16.9	18.4	-	-	18.3	20.0	-	-
Median duration, in weeks .....	9.2	9.2	-	-	10.0	10.4	-	-

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
	February 1993										
Total, 16 years and over .....	9,770	3,138	3,156	1,468	2,008	18.4	9.2	29.7	32.1	34.4	35.6
16 to 19 years .....	1,300	648	429	119	104	10.1	4.5	44.2	49.9	21.5	17.2
20 to 24 years .....	1,636	677	579	186	195	12.5	6.4	33.5	41.4	23.4	23.3
25 to 34 years .....	2,740	851	928	410	552	17.7	9.3	28.1	31.1	35.6	35.1
35 to 44 years .....	2,106	489	647	377	593	23.5	13.0	24.3	23.2	41.9	46.1
45 to 54 years .....	1,233	307	369	231	326	22.7	12.6	26.0	24.9	40.8	45.2
55 to 64 years .....	632	135	176	124	197	27.1	14.9	22.7	21.4	45.6	50.7
65 years and over .....	122	31	29	21	41	25.8	14.9	33.4	25.5	37.5	50.6
Men, 16 years and over .....	5,843	1,649	1,965	941	1,288	19.7	10.2	26.6	28.2	36.5	38.1
16 to 19 years .....	737	349	260	69	58	10.5	5.0	41.4	47.4	22.4	17.3
20 to 24 years .....	978	352	375	115	136	13.8	7.5	29.3	36.0	27.5	25.6
25 to 34 years .....	1,659	448	593	270	348	18.7	10.2	23.5	27.0	38.9	37.3
35 to 44 years .....	1,239	251	396	236	357	24.4	13.8	23.8	20.2	39.9	47.8
45 to 54 years .....	767	160	233	146	227	25.1	13.9	23.7	20.9	44.6	48.7
55 to 64 years .....	412	81	97	89	144	28.9	18.2	21.7	19.7	46.1	56.8
65 years and over .....	52	8	12	15	17	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,927	1,489	1,191	527	719	16.4	7.7	34.6	37.9	31.2	31.7
16 to 19 years .....	563	299	168	49	46	9.6	4.2	48.2	53.2	20.2	16.9
20 to 24 years .....	658	325	203	71	59	10.4	4.7	40.7	49.3	16.2	19.8
25 to 34 years .....	1,081	403	335	140	203	16.2	7.5	35.1	37.3	30.4	31.7
35 to 44 years .....	867	238	251	142	236	22.2	11.3	25.1	27.5	45.1	43.6
45 to 54 years .....	466	147	136	85	99	18.6	11.2	29.5	31.5	34.9	39.4
55 to 64 years .....	221	54	80	34	53	23.6	10.2	24.9	24.5	44.5	39.4
65 years and over .....	70	23	18	6	23	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	7,475	2,441	2,474	1,091	1,469	17.9	8.9	29.6	32.7	34.0	34.2
Men .....	4,570	1,313	1,568	714	975	19.3	9.9	26.8	28.7	35.6	37.0
Women .....	2,905	1,128	906	376	494	15.7	7.3	34.3	38.8	31.4	30.0
Black, 16 years and over .....	1,870	543	553	330	444	20.5	11.1	31.5	29.1	35.8	41.4
Men .....	1,015	252	311	198	254	21.9	12.6	27.4	24.8	39.7	44.5
Women .....	855	292	241	132	191	18.9	9.3	36.8	34.1	30.8	37.7
Men, 16 years and over:											
Married, spouse present .....	2,344	607	764	414	558	21.0	11.4	24.8	25.9	41.4	41.5
Widowed, divorced, or separated .....	881	172	284	179	245	24.0	13.8	26.3	19.5	37.5	48.1
Single (never married) .....	2,619	870	917	347	485	17.2	8.5	28.5	33.2	31.5	31.8
Women, 16 years and over:											
Married, spouse present .....	1,478	557	448	211	263	16.2	8.0	32.9	37.7	34.5	32.0
Widowed, divorced, or separated .....	945	291	295	142	217	19.5	9.5	31.9	30.8	32.9	38.0
Single (never married) .....	1,503	641	449	174	240	14.6	6.4	38.1	42.6	26.5	27.5

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

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	February 1993							Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
<b>OCCUPATION</b>											
Managerial and professional specialty .....	1,139	341	318	179	302	22.0	11.0	24.6	29.9	47.3	42.1
Technical, sales, and administrative support .....	2,128	658	634	325	510	19.5	9.5	30.4	30.9	34.4	39.2
Service occupations .....	1,420	561	459	150	250	15.7	7.2	35.5	39.5	31.0	28.2
Precision production, craft, and repair .....	1,422	432	467	223	299	19.6	9.7	24.1	30.4	37.5	36.7
Operators, fabricators, and laborers .....	2,293	635	816	393	450	19.0	10.0	26.9	27.7	33.4	36.7
Farming, forestry, and fishing .....	395	100	171	76	48	14.1	10.1	32.8	25.3	24.8	31.4
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	287	69	130	50	38	14.4	10.1	28.7	24.0	24.2	30.7
Construction .....	1,183	346	423	203	212	17.7	9.9	25.9	29.2	31.2	35.0
Manufacturing .....	1,688	461	460	329	439	21.7	12.2	26.1	27.3	40.3	45.5
Durable goods .....	931	264	233	182	253	22.6	12.9	24.9	28.4	43.0	46.6
Nondurable goods .....	757	197	227	147	186	20.6	11.3	27.9	26.0	36.3	44.0
Transportation and public utilities .....	396	88	152	55	101	22.9	10.5	26.4	22.2	36.1	39.4
Wholesale and retail trade .....	2,097	742	711	261	383	16.8	8.2	30.2	35.4	32.8	30.7
Finance and service industries .....	2,594	861	825	353	555	18.6	8.9	31.3	33.2	35.8	35.0
Public administration .....	206	47	61	22	76	25.7	11.2	19.1	22.8	44.7	47.6
No previous work experience .....	897	398	275	101	124	13.6	5.9	42.7	44.4	26.5	25.1

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex, age, and race	February 1993								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	9,770	8,216	24.7	9.3	72.1	44.2	24.1	6.1	1.80
16 to 19 years .....	1,300	1,221	10.4	3.5	78.4	31.9	14.9	2.4	1.41
20 to 24 years .....	1,636	1,449	22.0	9.6	72.1	41.5	20.3	5.0	1.70
25 to 34 years .....	2,740	2,256	30.6	9.4	71.7	45.4	24.2	4.2	1.85
35 to 44 years .....	2,106	1,724	31.4	11.7	72.2	51.5	30.9	7.2	2.05
45 to 54 years .....	1,233	984	24.3	11.6	66.8	48.6	27.2	12.3	1.91
55 to 64 years .....	632	475	20.3	11.2	70.7	46.1	28.0	8.8	1.85
65 years and over .....	122	107	12.4	3.3	62.1	32.8	22.7	15.3	1.49
Men, 16 years and over .....	5,843	4,692	26.6	9.3	73.1	45.0	28.1	6.0	1.88
16 to 19 years .....	737	699	10.6	2.5	78.4	33.1	18.4	1.4	1.44
20 to 24 years .....	978	827	22.0	9.2	72.1	41.2	25.0	5.5	1.75
25 to 34 years .....	1,659	1,305	34.3	9.6	71.8	45.3	27.9	4.1	1.93
35 to 44 years .....	1,239	939	33.6	12.7	73.6	53.9	34.8	7.9	2.17
45 to 54 years .....	767	578	27.3	10.2	71.0	50.0	32.8	11.6	2.03
55 to 64 years .....	412	300	20.7	12.5	72.1	46.8	30.3	9.4	1.92
65 years and over .....	52	44	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,927	3,525	22.0	9.3	70.8	43.2	18.8	6.2	1.70
16 to 19 years .....	563	523	10.1	4.7	78.4	30.3	10.2	3.7	1.37
20 to 24 years .....	658	622	22.0	10.0	72.2	41.9	13.9	4.3	1.64
25 to 34 years .....	1,081	951	25.4	9.1	71.6	45.6	19.1	4.3	1.75
35 to 44 years .....	867	785	28.6	10.5	70.6	48.6	28.2	6.4	1.91
45 to 54 years .....	466	406	20.1	13.7	60.7	46.5	19.1	13.4	1.74
55 to 64 years .....	221	175	19.6	9.0	68.3	44.9	24.0	7.7	1.73
65 years and over .....	70	63	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 18 years and over .....	7,475	6,124	23.6	9.6	72.3	47.2	25.1	6.5	1.84
Men .....	4,570	3,559	25.5	9.6	73.6	46.9	28.7	6.5	1.91
Women .....	2,905	2,565	21.0	9.5	70.5	47.6	20.1	6.4	1.75
Black, 16 years and over .....	1,870	1,705	30.0	8.6	71.6	33.1	20.2	4.5	1.68
Men .....	1,015	902	32.6	8.3	71.5	35.7	25.6	3.3	1.77
Women .....	855	802	27.2	9.0	71.7	30.2	14.2	5.8	1.56

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

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

Sex and reason	February 1993								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	9,770	8,216	24.7	9.3	72.1	44.2	24.1	6.1	1.80
Job losers <sup>1</sup> .....	5,861	4,162	30.7	11.4	72.7	49.0	26.7	5.3	1.98
Job leavers .....	1,022	997	22.4	9.8	72.2	45.0	20.1	3.1	1.72
Reentrants .....	2,288	2,266	19.5	7.0	69.5	39.5	19.9	9.4	1.65
New entrants .....	798	792	10.4	4.8	76.3	31.9	16.9	4.4	1.45
Men, 16 years and over .....	5,843	4,692	26.6	9.3	73.1	45.0	28.1	6.0	1.88
Job losers <sup>1</sup> .....	3,848	2,726	32.3	11.1	74.0	48.5	31.6	5.5	2.03
Job leavers .....	572	560	21.4	8.2	72.8	44.1	22.3	3.2	1.72
Reentrants .....	1,026	1,013	20.4	7.4	69.3	42.4	26.3	9.0	1.75
New entrants .....	397	393	11.0	3.5	77.1	28.7	16.1	5.4	1.42
Women, 16 years and over .....	3,927	3,525	22.0	9.3	70.8	43.2	18.8	6.2	1.70
Job losers <sup>1</sup> .....	1,813	1,436	27.8	11.9	70.3	50.0	23.1	5.0	1.88
Job leavers .....	450	437	23.7	11.6	71.5	46.0	17.2	2.8	1.73
Reentrants .....	1,262	1,253	18.7	6.6	69.6	37.1	14.7	9.7	1.56
New entrants .....	401	398	9.7	6.0	75.5	35.1	17.6	3.4	1.47

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

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

(In thousands)

Industry and age	Total		Men		Women	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
All industries .....	115,224	116,735	62,027	62,993	53,198	53,741
16 to 19 years .....	4,866	4,927	2,402	2,491	2,464	2,435
16 to 17 years .....	1,768	1,838	845	919	923	918
18 to 19 years .....	3,098	3,089	1,557	1,572	1,541	1,517
20 to 24 years .....	11,711	11,746	6,003	6,121	5,708	5,625
25 to 54 years .....	84,102	85,405	45,326	46,084	38,775	39,321
25 to 34 years .....	32,335	31,816	17,657	17,398	14,678	14,418
35 to 44 years .....	31,213	31,795	16,632	17,055	14,581	14,740
45 to 54 years .....	20,554	21,794	11,037	11,631	9,517	10,163
55 to 64 years .....	11,196	11,369	6,319	6,362	4,877	5,007
55 to 59 years .....	6,724	6,887	3,765	3,808	2,959	3,079
60 to 64 years .....	4,472	4,481	2,554	2,554	1,918	1,928
65 years and over .....	3,350	3,288	1,977	1,935	1,373	1,353
Agriculture .....	2,786	2,681	2,171	2,161	615	519
16 to 19 years .....	119	155	88	129	31	26
16 to 17 years .....	59	70	43	60	16	10
18 to 19 years .....	61	85	45	69	15	16
20 to 24 years .....	252	234	192	195	60	39
25 to 54 years .....	1,696	1,687	1,299	1,328	397	359
25 to 34 years .....	658	642	508	526	150	116
35 to 44 years .....	606	612	463	467	144	146
45 to 54 years .....	432	432	328	335	104	97
55 to 64 years .....	437	361	347	301	90	60
55 to 59 years .....	226	185	175	156	51	30
60 to 64 years .....	211	176	171	145	40	31
65 years and over .....	282	244	246	208	36	35
Nonagricultural industries .....	112,438	114,054	59,856	60,832	52,583	53,222
16 to 19 years .....	4,746	4,772	2,314	2,363	2,433	2,409
16 to 17 years .....	1,709	1,768	803	860	907	908
18 to 19 years .....	3,037	3,004	1,511	1,503	1,526	1,501
20 to 24 years .....	11,459	11,512	5,811	5,926	5,648	5,586
25 to 54 years .....	82,406	83,718	44,027	44,756	38,378	38,963
25 to 34 years .....	31,677	31,174	17,149	16,872	14,528	14,302
35 to 44 years .....	30,606	31,182	16,169	16,588	14,437	14,594
45 to 54 years .....	20,122	21,362	10,709	11,295	9,413	10,067
55 to 64 years .....	10,759	11,008	5,972	6,061	4,787	4,947
55 to 59 years .....	6,498	6,702	3,590	3,652	2,909	3,050
60 to 64 years .....	4,261	4,306	2,383	2,409	1,878	1,897
65 years and over .....	3,069	3,045	1,731	1,727	1,337	1,318

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
Total .....	115,224	116,735	62,027	62,993	59,625	60,502	53,198	53,741	50,734	51,306
<b>Managerial and professional specialty .....</b>	<b>31,098</b>	<b>31,978</b>	<b>16,454</b>	<b>16,802</b>	<b>16,366</b>	<b>16,719</b>	<b>14,644</b>	<b>15,176</b>	<b>14,514</b>	<b>15,091</b>
Executive, administrative, and managerial .....	14,738	15,021	8,753	8,810	8,721	8,779	5,985	6,210	5,964	6,170
Officials and administrators, public administration .....	582	631	332	401	332	401	250	230	250	231
Other executive, administrative, and managerial .....	9,987	10,194	6,381	6,417	6,353	6,388	3,605	3,777	3,589	3,749
Management-related occupations .....	4,168	4,196	2,039	1,993	2,036	1,990	2,129	2,203	2,125	2,189
<b>Professional specialty .....</b>	<b>16,361</b>	<b>16,957</b>	<b>7,702</b>	<b>7,992</b>	<b>7,645</b>	<b>7,939</b>	<b>8,659</b>	<b>8,965</b>	<b>8,550</b>	<b>8,922</b>
Engineers .....	1,730	1,699	1,548	1,577	1,543	1,578	181	122	178	122
Mathematical and computer scientists .....	949	1,068	669	722	668	721	280	346	277	346
Natural scientists .....	446	466	349	344	346	342	98	122	98	122
Health diagnosing occupations .....	903	959	752	777	752	775	151	182	148	182
Health assessment and treating occupations .....	2,468	2,397	307	303	305	303	2,161	2,094	2,152	2,094
Teachers, college and university .....	788	842	491	480	485	476	297	361	296	354
Teachers, except college and university .....	4,332	4,620	1,091	1,122	1,084	1,104	3,241	3,498	3,201	3,471
Lawyers and judges .....	749	833	583	657	583	655	166	176	165	176
Other professional specialty occupations .....	3,996	4,074	1,912	2,010	1,878	1,985	2,084	2,064	2,036	2,055
<b>Technical, sales, and administrative support .....</b>	<b>36,680</b>	<b>36,583</b>	<b>13,210</b>	<b>13,218</b>	<b>12,674</b>	<b>12,650</b>	<b>23,470</b>	<b>23,365</b>	<b>22,137</b>	<b>22,081</b>
Technicians and related support .....	4,190	4,115	2,203	2,032	2,185	2,011	1,987	2,083	1,968	2,057
Health technologists and technicians .....	1,401	1,452	258	282	256	279	1,143	1,170	1,138	1,158
Engineering and science technicians .....	1,237	1,118	968	844	957	831	269	274	262	261
Technicians, except health, engineering, and science .....	1,552	1,545	977	907	972	901	575	638	569	638
<b>Sales occupations .....</b>	<b>13,586</b>	<b>13,723</b>	<b>7,169</b>	<b>7,169</b>	<b>6,850</b>	<b>6,806</b>	<b>6,417</b>	<b>6,555</b>	<b>5,588</b>	<b>5,738</b>
Supervisors and proprietors .....	3,810	3,881	2,498	2,481	2,475	2,475	1,312	1,400	1,284	1,380
Sales representatives, finance and business services .....	2,229	2,124	1,384	1,248	1,380	1,241	845	876	833	865
Sales representatives, commodities, except retail .....	1,536	1,556	1,207	1,217	1,202	1,209	329	339	322	319
Sales workers, retail and personal services .....	5,928	6,075	2,058	2,194	1,771	1,853	3,870	3,880	3,087	3,124
Sales-related occupations .....	84	88	22	28	22	28	63	60	63	49
<b>Administrative support, including clerical .....</b>	<b>18,904</b>	<b>18,744</b>	<b>3,839</b>	<b>4,017</b>	<b>3,639</b>	<b>3,834</b>	<b>15,065</b>	<b>14,727</b>	<b>14,580</b>	<b>14,286</b>
Supervisors .....	751	813	304	371	302	371	447	442	447	439
Computer equipment operators .....	713	650	239	248	232	242	474	402	455	396
Secretaries, stenographers, and typists .....	4,372	4,195	80	65	71	59	4,292	4,130	4,193	4,021
Financial records processing .....	2,385	2,290	223	253	220	249	2,162	2,037	2,127	2,020
Mail and message distributing .....	908	962	605	618	585	598	303	344	293	325
Other administrative support, including clerical .....	9,775	9,834	2,387	2,462	2,229	2,314	7,387	7,372	7,065	7,085
<b>Service occupations .....</b>	<b>15,962</b>	<b>16,280</b>	<b>6,599</b>	<b>6,715</b>	<b>5,851</b>	<b>5,897</b>	<b>9,363</b>	<b>9,565</b>	<b>8,516</b>	<b>8,674</b>
Private household .....	811	809	30	38	25	29	781	771	673	673
Protective service .....	2,179	2,214	1,828	1,843	1,816	1,818	351	371	333	352
Service, except private household and protective .....	12,973	13,257	4,742	4,833	4,010	4,050	8,231	8,424	7,510	7,649
Food service .....	5,403	5,481	2,250	2,306	1,671	1,722	3,153	3,175	2,674	2,652
Health service .....	2,036	2,168	224	267	211	255	1,812	1,900	1,743	1,838
Cleaning and building service .....	3,012	2,989	1,787	1,773	1,701	1,649	1,225	1,216	1,176	1,165
Personal service .....	2,522	2,620	481	487	427	425	2,041	2,133	1,917	1,994
<b>Precision production, craft, and repair .....</b>	<b>12,445</b>	<b>12,481</b>	<b>11,386</b>	<b>11,406</b>	<b>11,221</b>	<b>11,248</b>	<b>1,059</b>	<b>1,074</b>	<b>1,047</b>	<b>1,054</b>
Mechanics and repairers .....	4,271	4,196	4,129	4,072	4,057	4,020	143	125	142	124
Construction trades .....	4,354	4,459	4,269	4,375	4,207	4,299	85	85	86	83
Other precision production, craft, and repair .....	3,819	3,825	2,989	2,960	2,957	2,928	831	865	819	847
<b>Operators, fabricators, and laborers .....</b>	<b>16,203</b>	<b>16,679</b>	<b>11,997</b>	<b>12,530</b>	<b>11,235</b>	<b>11,800</b>	<b>4,207</b>	<b>4,149</b>	<b>4,090</b>	<b>4,016</b>
Machine operators, assemblers, and inspectors .....	7,227	7,328	4,249	4,432	4,116	4,310	2,978	2,896	2,935	2,842
Manufacturing industries .....	5,963	5,996	3,505	3,603	3,403	3,519	2,458	2,393	2,426	2,357
Durable goods .....	3,219	3,290	2,200	2,314	2,138	2,263	1,019	976	1,013	963
Nondurable goods .....	2,743	2,706	1,304	1,289	1,264	1,257	1,439	1,418	1,412	1,394
Nonmanufacturing industries .....	1,264	1,333	745	829	714	790	520	503	509	484
Transportation and material moving occupations .....	4,751	4,796	4,270	4,353	4,191	4,286	481	443	476	438
Motor vehicle operators .....	3,638	3,723	3,237	3,312	3,167	3,264	401	411	398	406
Other transportation and material moving occupations .....	1,113	1,073	1,033	1,041	1,024	1,022	80	32	78	32
Handlers, equipment cleaners, helpers, and laborers .....	4,225	4,554	3,477	3,745	2,928	3,205	748	809	679	737
Construction laborers .....	555	624	544	610	516	593	11	13	11	13
Other handlers, equipment cleaners, helpers, and laborers .....	3,670	3,930	2,933	3,135	2,412	2,612	737	796	668	723
<b>Farming, forestry, and fishing .....</b>	<b>2,836</b>	<b>2,735</b>	<b>2,381</b>	<b>2,323</b>	<b>2,277</b>	<b>2,188</b>	<b>455</b>	<b>412</b>	<b>429</b>	<b>390</b>
Farm operators and managers .....	1,157	1,118	998	972	992	969	158	146	158	146
Other farming, forestry, and fishing occupations .....	1,680	1,616	1,382	1,350	1,285	1,219	296	266	270	244

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	115,224	116,735	62,027	62,993	53,198	53,741
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	27.0	27.4	26.5	26.7	27.5	28.2
Executive, administrative, and managerial .....	12.8	12.9	14.1	14.0	11.2	11.6
Professional specialty .....	14.2	14.5	12.4	12.7	16.3	16.7
Technical, sales, and administrative support .....	31.8	31.3	21.3	21.0	44.1	43.5
Technicians and related support .....	3.6	3.5	3.6	3.2	3.7	3.9
Sales occupations .....	11.8	11.8	11.6	11.4	12.1	12.2
Administrative support, including clerical .....	16.4	16.1	6.2	6.4	28.3	27.4
Service occupations .....	13.9	13.9	10.6	10.7	17.6	17.8
Private household .....	.7	.7	-	.1	1.5	1.4
Protective service .....	1.9	1.9	2.9	2.9	.7	.7
Service, except private household and protective .....	11.3	11.4	7.6	7.7	15.5	15.7
Precision production, craft, and repair .....	10.8	10.7	18.4	18.1	2.0	2.0
Operators, fabricators, and laborers .....	14.1	14.3	19.3	19.9	7.9	7.7
Machine operators, assemblers, and inspectors .....	6.3	6.3	6.9	7.0	5.6	5.4
Transportation and material moving occupations .....	4.1	4.1	6.9	6.9	.9	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.7	3.9	5.6	5.9	1.4	1.5
Farming, forestry, and fishing .....	2.5	2.3	3.8	3.7	.9	.8
<b>White</b>						
Total, 16 years and over (thousands) .....	99,583	100,588	54,224	54,939	45,358	45,649
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	28.1	28.5	27.6	27.7	28.6	29.4
Executive, administrative, and managerial .....	13.5	13.5	14.8	14.7	11.9	12.1
Professional specialty .....	14.6	15.0	12.8	13.0	16.8	17.3
Technical, sales, and administrative support .....	32.2	31.6	21.4	21.1	45.0	44.2
Technicians and related support .....	3.6	3.5	3.5	3.2	3.7	3.8
Sales occupations .....	12.3	12.2	12.1	11.9	12.5	12.6
Administrative support, including clerical .....	16.3	15.9	5.8	6.0	28.9	27.8
Service occupations .....	12.5	12.7	9.6	9.6	16.1	16.4
Private household .....	.6	.6	-	.1	1.3	1.3
Protective service .....	1.7	1.8	2.7	2.7	.5	.6
Service, except private household and protective .....	10.2	10.3	6.8	6.8	14.2	14.5
Precision production, craft, and repair .....	11.3	11.1	19.0	18.8	2.0	1.9
Operators, fabricators, and laborers .....	13.3	13.6	18.4	18.9	7.3	7.2
Machine operators, assemblers, and inspectors .....	5.9	5.9	6.6	6.8	5.1	4.8
Transportation and material moving occupations .....	3.9	4.0	6.5	6.6	.9	.8
Handlers, equipment cleaners, helpers, and laborers .....	3.5	3.7	5.3	5.5	1.3	1.5
Farming, forestry, and fishing .....	2.8	2.5	4.0	3.6	1.0	.9
<b>Black</b>						
Total, 16 years and over (thousands) .....	11,555	11,909	5,629	5,825	5,926	6,085
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	16.5	17.5	13.9	15.2	19.0	19.7
Executive, administrative, and managerial .....	7.1	7.8	7.6	8.2	6.5	7.5
Professional specialty .....	9.4	9.6	6.3	7.0	12.5	12.2
Technical, sales, and administrative support .....	29.2	29.1	19.0	18.7	38.8	39.1
Technicians and related support .....	3.3	3.8	3.5	3.6	3.1	3.9
Sales occupations .....	7.6	6.0	6.4	6.7	8.7	9.2
Administrative support, including clerical .....	18.3	17.4	9.1	8.5	27.0	26.0
Service occupations .....	24.4	23.8	20.0	19.6	28.5	27.9
Private household .....	1.3	1.3	-	-	2.5	2.4
Protective service .....	3.6	3.3	5.6	5.2	1.7	1.6
Service, except private household and protective .....	19.5	19.2	14.4	14.3	24.3	23.9
Precision production, craft, and repair .....	7.7	7.6	13.9	13.4	1.7	2.1
Operators, fabricators, and laborers .....	21.0	20.6	30.4	30.5	12.0	11.1
Machine operators, assemblers, and inspectors .....	9.2	8.7	9.6	9.0	8.9	8.4
Transportation and material moving occupations .....	6.2	5.8	11.8	11.0	1.0	.9
Handlers, equipment cleaners, helpers, and laborers .....	5.5	6.1	9.1	10.5	2.1	1.8
Farming, forestry, and fishing .....	1.4	1.4	2.7	2.7	.1	.2

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	February 1993								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over .....	105,056	983	18,637	85,436	8,793	205	1,335	1,244	102
16 to 19 years .....	4,703	124	261	4,318	43	26	130	6	20
16 to 17 years .....	1,744	84	72	1,589	16	6	53	2	16
18 to 19 years .....	2,958	40	189	2,729	27	19	77	5	4
20 to 24 years .....	11,284	104	1,102	10,078	217	11	186	40	8
25 to 34 years .....	29,312	162	4,387	24,763	1,832	30	413	218	11
35 to 44 years .....	28,532	202	5,727	22,602	2,604	47	318	274	20
45 to 54 years .....	19,208	143	4,652	14,413	2,108	46	146	261	23
55 to 64 years .....	9,631	157	2,078	7,396	1,354	23	101	250	10
55 to 59 years .....	5,886	83	1,275	4,528	806	10	58	124	4
60 to 64 years .....	3,745	74	803	2,868	548	13	43	126	7
65 years and over .....	2,388	91	431	1,865	635	23	39	194	10
Men, 16 years and over .....	54,988	116	8,402	46,470	5,788	55	1,062	1,058	41
16 to 19 years .....	2,313	20	103	2,190	26	24	103	6	19
16 to 17 years .....	847	16	40	791	5	8	43	2	15
18 to 19 years .....	1,466	4	64	1,399	21	16	60	5	5
20 to 24 years .....	5,771	22	512	5,237	145	10	151	40	5
25 to 34 years .....	15,889	27	2,049	13,814	1,178	5	334	188	4
35 to 44 years .....	14,888	18	2,483	12,387	1,696	5	246	217	3
45 to 54 years .....	9,907	8	2,093	7,807	1,384	4	116	215	4
55 to 64 years .....	5,150	11	952	4,188	908	3	88	213	-
55 to 59 years .....	3,124	7	551	2,587	528	-	49	107	-
60 to 64 years .....	2,026	5	402	1,619	380	3	39	106	-
65 years and over .....	1,270	11	210	1,050	452	5	24	179	6
Women, 16 years and over .....	50,068	887	10,235	38,966	3,004	150	273	186	61
16 to 19 years .....	2,389	104	158	2,128	17	3	26	-	-
16 to 17 years .....	897	68	32	798	11	-	9	-	1
18 to 19 years .....	1,492	36	126	1,330	6	3	17	-	-
20 to 24 years .....	5,513	82	590	4,841	72	1	36	-	3
25 to 34 years .....	13,623	135	2,338	11,149	654	25	79	30	7
35 to 44 years .....	13,644	184	3,244	10,216	908	42	72	57	17
45 to 54 years .....	9,300	135	2,559	6,606	725	42	31	48	19
55 to 64 years .....	4,481	146	1,125	3,210	445	20	13	37	10
55 to 59 years .....	2,762	77	724	1,961	277	10	9	17	4
60 to 64 years .....	1,719	69	401	1,249	168	10	4	20	7
65 years and over .....	1,117	80	221	816	183	18	16	15	4



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	February 1993												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	2,681	94	83	37	13	114	-	18	32	6	42	25	2,219
Mining .....	631	103	74	21	-	77	-	5	228	17	77	29	-
Construction .....	6,586	941	148	32	58	350	-	40	3,783	77	460	686	9
Manufacturing .....	19,278	2,312	1,734	746	682	2,195	-	346	3,575	5,996	650	975	67
Durable goods .....	11,012	1,351	1,074	470	237	1,198	-	199	2,409	3,290	327	393	64
Nondurable goods .....	8,266	960	660	277	445	997	-	146	1,166	2,706	323	582	3
Transportation and public utilities .....	8,224	960	479	312	197	2,234	-	277	1,195	132	1,971	451	15
Wholesale and retail trade .....	24,354	2,075	447	212	10,020	2,486	-	4,625	1,307	281	975	1,867	58
Wholesale trade .....	4,759	545	108	63	1,867	894	-	37	274	114	448	368	42
Retail trade .....	19,594	1,530	339	149	8,153	1,592	-	4,588	1,033	168	527	1,499	16
Finance, insurance, and real estate .....	7,649	2,045	237	163	1,828	2,884	-	252	149	18	6	26	42
Services .....	41,667	5,238	12,910	2,314	910	7,012	809	8,388	2,014	757	554	445	317
Private households .....	992	12	2	2	-	13	809	80	-	-	5	37	31
Other service industries .....	40,675	5,227	12,907	2,312	910	6,998	-	8,308	2,013	757	549	408	286
Professional services .....	28,604	3,339	11,567	1,964	164	5,264	-	5,216	411	176	337	95	71
Public administration .....	5,665	1,253	846	278	16	1,391	-	1,521	197	44	62	50	8

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

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Feb. 1992	Feb. 1993	Total		Wage and salary workers <sup>1</sup>			
			Feb. 1992	Feb. 1993	Paid absences		Unpaid absences	
					Feb. 1992	Feb. 1993	Feb. 1992	Feb. 1993
<b>Total, 16 years and over</b> .....	4,395	4,557	4,152	4,382	1,698	1,833	1,788	1,910
Vacation .....	1,407	1,434	1,365	1,397	882	858	299	350
Illness .....	1,332	1,515	1,295	1,478	545	679	646	641
Bad weather .....	377	242	267	184	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	11	16	11	16	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,268	1,351	1,214	1,307	270	296	844	920
<b>Men, 16 years and over</b> .....	2,392	2,320	2,200	2,167	847	848	898	916
Vacation .....	721	756	693	723	460	434	131	174
Illness .....	675	733	655	702	288	310	312	308
All other reasons <sup>2</sup> .....	997	831	852	743	99	104	454	435
<b>Women, 16 years and over</b> .....	2,002	2,238	1,952	2,214	851	985	892	994
Vacation .....	686	678	671	674	423	424	169	175
Illness .....	657	782	640	776	257	369	333	333
All other reasons <sup>2</sup> .....	660	778	641	764	172	191	389	486

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

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Hours of work	February 1993					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	112,177	2,505	109,673	100.0	100.0	100.0
1 to 34 hours .....	28,596	822	27,774	25.5	32.8	25.3
1 to 4 hours .....	883	49	834	.8	2.0	.8
5 to 14 hours .....	4,968	179	4,789	4.4	7.1	4.4
15 to 29 hours .....	14,126	390	13,736	12.6	15.6	12.5
30 to 34 hours .....	8,618	203	8,415	7.7	8.1	7.7
35 hours and over .....	83,582	1,883	81,899	74.5	67.2	74.7
35 to 39 hours .....	7,235	110	7,125	6.4	4.4	6.5
40 hours .....	43,244	591	42,653	38.6	23.6	38.9
41 hours and over .....	33,103	982	32,121	29.5	39.2	29.3
41 to 48 hours .....	11,378	180	11,198	10.1	7.2	10.2
49 to 59 hours .....	13,053	327	12,727	11.6	13.1	11.6
60 hours and over .....	8,671	475	8,196	7.7	19.0	7.5
Average hours, total at work .....	36.9	40.5	38.9	-	-	-
Average hours, workers on full-time schedules .....	43.6	47.3	43.5	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	February 1993					
	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 .....	28,596	8,837	19,759	27,774	8,489	19,285
Economic reasons .....	6,707	2,322	4,385	6,510	2,221	4,289
Slack work .....	3,563	2,022	1,541	3,397	1,925	1,472
Material shortages or repairs to plant and equipment .....	46	46	-	46	46	-
New job started during week .....	176	176	-	172	172	-
Job terminated during week .....	78	78	-	77	77	-
Could find only part-time work .....	2,844	-	2,844	2,817	-	2,817
Other reasons .....	21,889	6,515	15,374	21,264	6,268	14,996
Does not want, or unavailable for, full-time work .....	12,444	-	12,444	12,185	-	12,185
Vacation .....	1,259	1,259	-	1,239	1,239	-
Illness .....	2,199	1,998	201	2,155	1,964	191
Bad weather .....	830	830	-	697	697	-
Industrial dispute .....	4	4	-	3	3	-
Legal or religious holiday .....	826	826	-	622	622	-
Full time for this job .....	1,733	-	1,733	1,702	-	1,702
All other reasons .....	2,594	1,598	996	2,461	1,544	917
Average hours:						
Economic reasons .....	22.0	24.0	21.0	22.2	24.2	21.1
Other reasons .....	21.3	26.5	19.1	21.4	26.6	19.2
Worked 30 to 34 hours:						
Economic reasons .....	2,074	963	1,091	2,042	960	1,062
Other reasons .....	6,545	3,668	2,877	6,374	3,565	2,809

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

(Numbers in thousands)

Industry	February 1993								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	109,673	6,510	14,996	88,167	56,046	11,198	20,923	38.9	43.5
Wage and salary workers .....	101,259	5,566	13,510	82,183	53,289	10,661	18,233	38.9	43.2
Mining .....	573	23	16	534	250	100	184	45.5	46.9
Construction .....	4,813	372	206	4,236	3,028	404	804	39.3	41.8
Manufacturing .....	18,299	548	542	17,208	10,769	2,850	3,590	42.1	43.3
Durable goods .....	10,448	209	251	9,988	6,159	1,679	2,150	42.7	43.6
Nondurable goods .....	7,851	340	291	7,220	4,610	1,171	1,440	41.2	42.9
Transportation and public utilities .....	7,449	287	407	6,754	4,187	964	1,603	41.9	44.1
Wholesale and retail trade .....	21,752	1,961	4,990	14,801	8,843	2,111	3,846	36.5	44.0
Finance, insurance, and real estate .....	6,844	147	590	6,107	4,000	790	1,317	40.3	42.7
Service industries .....	36,078	2,177	6,450	27,450	18,451	2,949	6,050	37.4	42.9
Private households .....	942	192	407	343	226	35	82	26.5	45.6
All other industries .....	35,136	1,985	6,043	27,107	18,226	2,914	5,968	37.7	42.9
Public administration .....	5,452	51	309	5,092	3,760	492	840	40.5	42.0
Self-employed workers .....	8,208	929	1,384	5,896	2,698	524	2,674	39.5	47.6
Unpaid family workers .....	205	15	102	88	60	13	16	31.3	42.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	February 1993							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Total, 16 years and over .....	109,673	6,510	14,996	88,167	56,046	32,121	38.9	43.5
16 to 19 years .....	4,624	422	3,116	1,085	858	228	22.0	39.8
16 to 17 years .....	1,694	60	1,534	101	84	17	15.8	34.7
18 to 19 years .....	2,930	363	1,582	985	774	211	25.6	40.3
20 years and over .....	105,049	6,088	11,880	87,081	55,189	31,893	39.6	43.5
20 to 24 years .....	11,211	1,081	2,536	7,594	5,445	2,150	34.9	42.0
25 years and over .....	93,838	5,007	9,344	79,487	49,744	29,743	40.2	43.7
25 to 44 years .....	60,117	3,326	5,039	51,752	31,837	19,915	40.7	43.8
45 to 64 years .....	30,918	1,537	2,963	26,418	16,962	9,456	40.3	43.5
65 years and over .....	2,804	143	1,341	1,319	947	372	29.0	42.2
<b>Men, 16 years and over</b> .....	58,665	3,039	4,732	50,894	28,872	22,022	41.6	44.9
16 to 19 years .....	2,298	208	1,484	606	473	132	23.2	40.0
16 to 17 years .....	819	29	732	58	49	9	16.5	( <sup>1</sup> )
18 to 19 years .....	1,479	179	752	548	424	123	26.9	40.6
20 years and over .....	56,367	2,830	3,248	50,288	28,398	21,890	42.4	45.0
20 to 24 years .....	5,776	580	1,061	4,135	2,765	1,370	36.5	43.0
25 years and over .....	50,590	2,251	2,187	46,153	25,633	20,520	43.1	45.2
25 to 44 years .....	32,423	1,569	796	30,058	16,348	13,710	43.7	45.3
45 to 64 years .....	16,589	612	711	15,266	8,703	6,563	43.1	45.0
65 years and over .....	1,578	68	679	830	584	247	30.6	42.6
<b>Women, 16 years and over</b> .....	51,008	3,471	10,264	37,273	27,174	10,098	35.8	41.5
16 to 19 years .....	2,325	214	1,632	480	384	95	20.8	39.6
16 to 17 years .....	875	30	802	43	35	8	15.2	( <sup>1</sup> )
18 to 19 years .....	1,451	183	830	437	349	88	24.3	40.0
20 years and over .....	48,682	3,258	8,632	36,793	26,790	10,003	36.5	41.5
20 to 24 years .....	5,435	501	1,474	3,459	2,680	780	33.2	40.7
25 years and over .....	43,248	2,757	7,157	33,334	24,110	9,223	36.9	41.6
25 to 44 years .....	27,694	1,757	4,243	21,694	15,488	6,206	37.2	41.7
45 to 64 years .....	14,328	925	2,252	11,151	8,259	2,892	37.1	41.6
65 years and over .....	1,225	75	662	489	363	126	26.9	41.5
<b>RACE</b>								
<b>White, 16 years and over</b> .....	94,361	5,303	13,428	75,629	46,510	29,119	39.0	43.7
Men .....	51,070	2,475	4,117	44,478	24,323	20,156	41.9	45.2
Women .....	43,290	2,828	9,311	31,151	22,187	8,963	35.6	41.7
<b>Black, 16 years and over</b> .....	11,244	961	1,057	9,226	7,137	2,089	38.0	41.7
Men .....	5,470	451	394	4,625	3,332	1,293	39.6	43.0
Women .....	5,774	510	663	4,602	3,806	796	36.5	40.4
<b>MARITAL STATUS</b>								
<b>Men, 16 years and over:</b>								
Married, spouse present .....	37,597	1,381	1,462	34,754	18,692	16,062	43.6	45.4
Widowed, divorced, or separated .....	6,174	375	342	5,457	3,162	2,295	42.2	44.9
Single (never married) .....	14,894	1,283	2,928	10,684	7,018	3,666	36.5	43.4
<b>Women, 16 years and over:</b>								
Married, spouse present .....	28,560	1,718	5,908	20,935	15,546	5,389	35.8	41.3
Widowed, divorced, or separated .....	10,172	830	1,124	8,217	5,823	2,394	37.8	41.8
Single (never married) .....	12,275	923	3,231	8,121	5,805	2,316	34.0	41.9

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

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

(Numbers in thousands)

Occupation and sex	February 1993								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over <sup>1</sup>	109,650	6,504	15,013	88,133	55,925	11,225	20,983	38.9	43.5
Managerial and professional specialty	30,887	785	2,887	27,215	14,730	3,368	9,117	42.2	45.2
Executive, administrative, and managerial	14,531	253	730	13,549	6,758	1,712	5,078	44.4	46.1
Professional specialty	16,356	533	2,157	13,666	7,972	1,655	4,039	40.2	44.4
Technical, sales, and administrative support	35,302	1,708	6,174	27,420	18,492	3,377	5,551	37.6	42.6
Technicians and related support	3,948	111	453	3,383	2,335	467	581	39.2	42.2
Sales occupations	13,257	878	2,735	9,644	4,954	1,237	3,453	38.7	45.7
Administrative support, including clerical	18,097	719	2,985	14,393	11,203	1,673	1,517	36.4	40.7
Service occupations	15,544	1,903	4,149	9,491	6,856	1,040	1,596	33.5	42.3
Private household	775	150	362	263	177	24	62	26.1	46.2
Protective service	2,093	69	200	1,824	1,130	255	439	41.0	44.4
Service, except private household and protective	12,676	1,684	3,587	7,405	5,549	761	1,095	32.7	41.6
Precision production, craft, and repair	11,941	847	360	10,735	6,975	1,536	2,224	40.8	43.0
Operators, fabricators, and laborers	15,977	1,261	1,443	13,272	8,872	1,905	2,496	39.3	43.0
Machine operators, assemblers, and inspectors	7,099	430	248	6,421	4,568	992	860	40.3	42.1
Transportation and material moving occupations	4,531	321	409	3,802	2,028	522	1,252	42.2	46.1
Handlers, equipment cleaners, helpers, and laborers	4,347	511	787	3,050	2,276	390	384	34.9	41.2
Men, 16 years and over <sup>1</sup>	58,542	3,032	4,712	50,798	28,724	6,756	15,318	41.7	45.0
Managerial and professional specialty	16,332	341	826	15,165	7,006	1,770	6,389	45.1	47.1
Executive, administrative, and managerial	8,540	144	251	8,145	3,419	940	3,785	46.6	47.9
Professional specialty	7,792	197	575	7,020	3,587	830	2,603	43.3	46.1
Technical, sales, and administrative support	12,837	420	1,347	11,070	5,839	1,478	3,752	41.9	45.5
Technicians and related support	1,965	55	114	1,796	1,150	220	426	41.5	43.6
Sales occupations	6,982	241	753	5,988	2,522	772	2,694	43.7	47.6
Administrative support, including clerical	3,891	125	480	3,286	2,168	486	632	39.0	42.7
Service occupations	6,450	625	1,277	4,548	3,085	598	864	36.2	43.2
Private household	35	6	12	17	13	-	3	( <sup>2</sup> )	( <sup>2</sup> )
Protective service	1,742	37	138	1,567	945	227	394	42.2	44.8
Service, except private household and protective	4,672	581	1,127	2,964	2,127	371	466	34.0	42.3
Precision production, craft, and repair	10,899	770	271	9,858	6,333	1,405	2,120	41.0	43.2
Operators, fabricators, and laborers	12,024	876	990	10,157	6,461	1,504	2,193	40.2	43.7
Machine operators, assemblers, and inspectors	4,326	209	109	4,008	2,690	670	648	41.5	42.9
Transportation and material moving occupations	4,115	263	268	3,584	1,882	489	1,213	43.2	46.3
Handlers, equipment cleaners, helpers, and laborers	3,583	404	613	2,566	1,889	345	332	35.3	41.4
Women, 16 years and over <sup>1</sup>	51,109	3,472	10,301	37,336	27,201	4,469	5,665	35.8	41.5
Managerial and professional specialty	14,555	444	2,061	12,050	7,724	1,598	2,729	38.9	42.9
Executive, administrative, and managerial	5,991	109	479	5,404	3,340	772	1,292	41.2	43.4
Professional specialty	8,564	335	1,582	6,646	4,385	826	1,436	37.4	42.5
Technical, sales, and administrative support	22,465	1,287	4,827	16,351	12,653	1,899	1,799	35.1	40.7
Technicians and related support	1,983	57	340	1,587	1,185	247	155	36.9	40.7
Sales occupations	6,275	637	1,982	3,656	2,432	465	759	33.2	42.5
Administrative support, including clerical	14,206	594	2,505	11,107	9,035	1,187	885	35.7	40.1
Service occupations	9,094	1,278	2,872	4,944	3,771	441	732	31.6	41.4
Private household	740	144	350	246	163	23	59	26.1	46.6
Protective service	351	32	62	257	185	28	44	35.3	42.0
Service, except private household and protective	8,003	1,102	2,460	4,441	3,422	390	629	32.0	41.1
Precision production, craft, and repair	1,042	77	88	876	642	131	104	38.3	41.5
Operators, fabricators, and laborers	3,953	385	453	3,115	2,411	401	303	36.6	40.7
Machine operators, assemblers, and inspectors	2,773	221	139	2,413	1,878	322	212	38.4	40.6
Transportation and material moving occupations	417	58	141	218	146	33	39	32.1	42.9
Handlers, equipment cleaners, helpers, and laborers	763	106	173	484	387	45	51	32.7	40.3

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	192,469	192,607	192,745	192,881	193,025	193,190	193,356	193,513	193,683	193,847	194,026	194,159	194,298
Labor force <sup>1</sup> .....	127,770	128,133	128,320	128,613	128,868	128,918	128,970	128,840	128,618	128,896	129,108	128,598	128,839
Percent of population <sup>2</sup> .....	66.4	66.5	66.6	66.7	66.8	66.7	66.7	66.6	66.4	66.5	66.5	66.2	66.3
Total employed <sup>1</sup> .....	118,547	118,849	119,095	119,154	119,080	119,290	119,346	119,290	119,239	119,595	119,828	119,586	119,963
Employment-population ratio <sup>3</sup> .....	61.6	61.7	61.8	61.8	61.7	61.7	61.7	61.6	61.6	61.7	61.8	61.6	61.7
Resident Armed Forces .....	1,585	1,585	1,577	1,574	1,570	1,568	1,566	1,566	1,552	1,531	1,517	1,515	1,512
Civilian employed .....	116,962	117,264	117,518	117,580	117,510	117,722	117,780	117,724	117,687	118,064	118,311	118,071	118,451
Agriculture .....	3,213	3,194	3,206	3,186	3,244	3,207	3,218	3,221	3,169	3,209	3,262	3,191	3,116
Nonagricultural industries .....	113,749	114,070	114,312	114,394	114,266	114,515	114,562	114,503	114,518	114,855	115,049	114,879	115,335
Unemployed .....	9,223	9,284	9,225	9,459	9,788	9,628	9,624	9,550	9,379	9,301	9,280	9,013	8,876
Unemployment rate <sup>4</sup> .....	7.2	7.2	7.2	7.4	7.6	7.5	7.5	7.4	7.3	7.2	7.2	7.0	6.9
Not in labor force .....	64,699	64,474	64,425	64,268	64,157	64,272	64,386	64,673	65,065	64,951	64,918	65,561	65,459
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	92,578	92,655	92,733	92,806	92,882	92,971	93,061	93,146	93,238	93,324	93,420	93,488	93,563
Labor force <sup>1</sup> .....	70,089	70,324	70,460	70,741	70,827	70,723	70,840	70,860	70,728	70,708	70,754	70,473	70,690
Percent of population <sup>2</sup> .....	75.7	75.9	76.0	76.2	76.3	76.1	76.1	76.1	75.9	75.8	75.7	75.4	75.6
Total employed <sup>1</sup> .....	64,765	64,964	65,194	65,244	65,161	65,238	65,309	65,383	65,318	65,416	65,554	65,544	65,693
Employment-population ratio <sup>3</sup> .....	70.0	70.1	70.3	70.3	70.2	70.2	70.2	70.2	70.1	70.1	70.2	70.1	70.2
Resident Armed Forces .....	1,414	1,417	1,417	1,414	1,410	1,408	1,408	1,407	1,394	1,373	1,360	1,358	1,355
Civilian employed .....	63,351	63,547	63,777	63,830	63,751	63,830	63,901	63,976	63,924	64,043	64,194	64,186	64,338
Unemployed .....	5,324	5,360	5,266	5,497	5,666	5,485	5,531	5,477	5,410	5,292	5,200	4,929	4,997
Unemployment rate <sup>4</sup> .....	7.6	7.6	7.5	7.8	8.0	7.8	7.8	7.7	7.6	7.5	7.3	7.0	7.1
Not in labor force .....	22,489	22,331	22,273	22,065	22,055	22,248	22,221	22,286	22,510	22,616	22,666	23,015	22,873
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	99,891	99,951	100,012	100,075	100,142	100,220	100,295	100,367	100,445	100,523	100,606	100,671	100,734
Labor force <sup>1</sup> .....	57,681	57,809	57,860	57,872	58,041	58,195	58,130	57,980	57,890	58,188	58,354	58,125	58,149
Percent of population <sup>2</sup> .....	57.7	57.8	57.9	57.8	58.0	58.1	58.0	57.8	57.6	57.9	58.0	57.7	57.7
Total employed <sup>1</sup> .....	53,782	53,885	53,901	53,910	53,919	54,052	54,037	53,907	53,921	54,179	54,274	54,042	54,271
Employment-population ratio <sup>3</sup> .....	53.8	53.9	53.9	53.9	53.8	53.9	53.9	53.7	53.7	53.9	53.9	53.7	53.9
Resident Armed Forces .....	171	168	160	160	160	160	158	159	158	158	157	157	157
Civilian employed .....	53,611	53,717	53,741	53,750	53,759	53,892	53,879	53,748	53,763	54,021	54,117	53,885	54,114
Unemployed .....	3,899	3,924	3,959	3,962	4,122	4,143	4,093	4,073	3,969	4,009	4,080	4,083	3,879
Unemployment rate <sup>4</sup> .....	6.8	6.8	6.8	6.8	7.1	7.1	7.0	7.0	6.9	6.9	7.0	7.0	6.7
Not in labor force .....	42,210	42,142	42,152	42,203	42,101	42,025	42,165	42,387	42,555	42,335	42,252	42,546	42,585

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

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

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

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

Armed Forces).

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



**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1992												1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
<b>WHITE</b>														
Civilian noninstitutional population <sup>1</sup> .....	162,219	162,305	162,398	162,483	162,575	162,682	162,791	162,891	163,013	163,132	163,259	163,343	163,429	
Civilian labor force .....	108,071	108,405	108,412	108,551	108,671	108,783	108,707	108,606	108,483	108,723	108,946	108,729	108,754	
Percent of population .....	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.7	66.5	66.6	66.7	66.6	66.5	
Employed .....	101,085	101,340	101,479	101,530	101,307	101,558	101,524	101,412	101,458	101,816	102,043	101,987	102,109	
Employment-population ratio <sup>2</sup> .....	62.3	62.4	62.5	62.5	62.3	62.4	62.4	62.3	62.2	62.4	62.5	62.4	62.5	
Unemployed .....	6,986	7,065	6,933	7,021	7,364	7,225	7,183	7,194	7,025	6,907	6,903	6,742	6,645	
Unemployment rate .....	6.5	6.5	6.4	6.5	6.8	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.1	
<b>Men, 20 years and over</b>														
Civilian labor force .....	56,501	56,678	56,779	56,944	56,921	56,927	56,926	56,902	56,910	56,858	56,937	56,895	56,942	
Percent of population .....	77.7	77.8	77.9	78.1	78.0	77.9	77.9	77.8	77.7	77.6	77.6	77.5	77.5	
Employed .....	52,945	53,127	53,244	53,290	53,221	53,310	53,300	53,279	53,305	53,369	53,543	53,615	53,649	
Employment-population ratio <sup>2</sup> .....	72.8	73.0	73.1	73.1	72.9	73.0	72.9	72.8	72.8	72.8	73.0	73.0	73.0	
Unemployed .....	3,556	3,551	3,535	3,654	3,700	3,617	3,626	3,623	3,605	3,489	3,394	3,280	3,293	
Unemployment rate .....	6.3	6.3	6.2	6.4	6.5	6.4	6.4	6.4	6.3	6.1	6.0	5.8	5.8	
<b>Women, 20 years and over</b>														
Civilian labor force .....	45,771	45,984	45,948	45,864	46,028	46,162	46,055	45,888	45,905	46,095	46,240	46,096	46,002	
Percent of population .....	58.0	58.2	58.2	58.0	58.2	58.3	58.2	57.9	57.9	58.1	58.3	58.1	57.9	
Employed .....	43,349	43,510	43,486	43,458	43,504	43,557	43,468	43,326	43,365	43,661	43,667	43,583	43,626	
Employment-population ratio <sup>2</sup> .....	54.9	55.1	55.0	55.0	55.0	55.0	54.9	54.7	54.7	55.0	55.0	54.9	54.9	
Unemployed .....	2,422	2,474	2,462	2,406	2,524	2,605	2,587	2,562	2,540	2,434	2,573	2,513	2,377	
Unemployment rate .....	5.3	5.4	5.4	5.2	5.5	5.6	5.6	5.6	5.5	5.3	5.6	5.5	5.2	
<b>Both sexes, 16 to 19 years</b>														
Civilian labor force .....	5,799	5,743	5,685	5,743	5,722	5,694	5,726	5,816	5,668	5,770	5,769	5,738	5,810	
Percent of population .....	55.0	54.5	54.1	54.7	54.6	54.4	54.6	55.4	54.0	54.9	54.9	54.5	55.2	
Employed .....	4,791	4,703	4,749	4,782	4,582	4,691	4,756	4,807	4,788	4,786	4,833	4,789	4,834	
Employment-population ratio <sup>2</sup> .....	45.4	44.7	45.2	45.6	43.7	44.9	45.4	45.8	45.6	45.5	46.0	45.5	45.9	
Unemployed .....	1,008	1,040	936	961	1,140	1,003	970	1,009	880	984	936	949	976	
Unemployment rate .....	17.4	18.1	16.5	16.7	19.9	17.6	16.9	17.3	15.5	17.1	16.2	16.5	16.8	
Men .....	19.0	20.0	17.8	18.4	21.2	18.8	18.5	18.7	15.9	17.7	17.2	18.1	17.9	
Women .....	15.6	16.0	15.0	14.9	18.4	16.3	15.2	15.8	15.1	16.4	15.1	14.9	15.6	
<b>BLACK</b>														
Civilian noninstitutional population <sup>1</sup> .....	21,828	21,854	21,882	21,909	21,937	21,966	21,997	22,027	22,061	22,096	22,131	22,157	22,184	
Civilian labor force .....	13,715	13,729	13,756	13,869	14,001	13,995	14,106	13,981	13,948	13,894	13,935	13,822	14,018	
Percent of population .....	62.8	62.8	62.9	63.3	63.8	63.7	64.1	63.5	63.2	62.9	63.0	62.4	63.2	
Employed .....	11,818	11,814	11,857	11,858	11,971	11,979	12,098	12,033	11,984	11,948	11,960	11,853	12,186	
Employment-population ratio <sup>2</sup> .....	54.1	54.1	54.2	54.1	54.6	54.5	55.0	54.6	54.3	54.1	54.0	53.5	54.9	
Unemployed .....	1,897	1,915	1,899	2,011	2,030	2,016	2,008	1,948	1,964	1,946	1,975	1,969	1,832	
Unemployment rate .....	13.8	13.9	13.8	14.5	14.5	14.4	14.2	13.9	14.1	14.0	14.2	14.2	13.1	
<b>Men, 20 years and over</b>														
Civilian labor force .....	6,407	6,450	6,424	6,487	6,512	6,481	6,534	6,495	6,499	6,481	6,450	6,486	6,534	
Percent of population .....	72.8	73.2	72.8	73.4	73.6	73.1	73.6	73.1	73.0	72.6	72.1	72.4	72.9	
Employed .....	5,554	5,557	5,601	5,595	5,626	5,602	5,634	5,620	5,611	5,640	5,589	5,645	5,754	
Employment-population ratio <sup>2</sup> .....	63.1	63.1	63.5	63.3	63.6	63.2	63.5	63.2	63.0	63.2	62.5	63.1	64.2	
Unemployed .....	853	893	823	892	886	879	900	875	886	841	861	841	781	
Unemployment rate .....	13.3	13.8	12.8	13.8	13.6	13.6	13.8	13.5	13.7	13.0	13.3	13.0	11.9	
<b>Women, 20 years and over</b>														
Civilian labor force .....	6,506	6,540	6,581	6,599	6,694	6,716	6,757	6,675	6,682	6,639	6,687	6,536	6,683	
Percent of population .....	59.4	59.6	59.9	60.0	60.8	60.9	61.2	60.3	60.3	59.9	60.2	58.8	60.0	
Employed .....	5,767	5,794	5,802	5,813	5,876	5,902	5,954	5,944	5,930	5,854	5,889	5,717	5,936	
Employment-population ratio <sup>2</sup> .....	52.6	52.8	52.8	52.8	53.3	53.5	53.9	53.7	53.5	52.8	53.0	51.4	53.3	
Unemployed .....	739	746	779	786	818	814	803	731	752	785	798	819	747	
Unemployment rate .....	11.4	11.4	11.8	11.9	12.2	12.1	11.9	11.0	11.3	11.8	11.9	12.5	11.2	

See footnotes at end of table.



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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	802	739	751	783	795	798	815	811	767	774	798	800	800
Percent of population .....	38.6	35.6	36.2	37.8	38.4	38.6	39.3	39.1	36.9	37.2	38.3	38.4	38.4
Employed .....	497	463	454	450	469	475	510	469	443	454	482	490	496
Employment-population ratio <sup>2</sup> .....	23.9	22.3	21.9	21.7	22.7	23.0	24.6	22.6	21.3	21.8	23.2	23.5	23.8
Unemployed .....	305	276	297	333	326	323	305	342	324	320	316	310	304
Unemployment rate .....	38.0	37.3	39.5	42.5	41.0	40.5	37.4	42.2	42.2	41.3	39.6	38.7	38.0
Men .....	38.7	38.3	43.2	43.0	45.1	42.3	42.7	44.3	44.2	44.8	42.2	39.0	37.4
Women .....	37.2	36.1	35.7	42.1	36.4	38.4	31.8	39.8	39.8	37.5	36.5	38.5	38.6
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,066	15,106	15,145	15,184	15,224	15,263	15,303	15,342	15,382	15,421	15,461	15,500	15,540
Civilian labor force .....	10,024	10,116	10,032	10,092	10,126	10,150	10,116	10,213	10,210	10,211	10,351	10,225	10,280
Percent of population .....	66.5	67.0	66.2	66.5	66.5	66.5	66.1	66.6	66.4	66.2	66.9	66.0	66.1
Employed .....	8,885	8,973	8,987	8,951	8,927	8,955	8,969	9,028	9,011	8,990	9,145	9,043	9,106
Employment-population ratio <sup>2</sup> .....	59.0	59.4	59.3	59.0	58.6	58.7	58.6	58.8	58.6	58.3	59.1	58.3	58.6
Unemployed .....	1,139	1,143	1,045	1,141	1,199	1,195	1,147	1,185	1,199	1,221	1,206	1,182	1,171
Unemployment rate .....	11.4	11.3	10.4	11.3	11.8	11.8	11.3	11.6	11.7	12.0	11.7	11.6	11.4

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

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Category	1992												1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
<b>CHARACTERISTIC</b>														
Total .....	116,962	117,264	117,518	117,580	117,510	117,722	117,780	117,724	117,687	118,064	118,311	118,071	118,451	
Married men, spouse present .....	39,926	40,163	40,317	40,408	40,345	40,252	40,318	40,292	40,324	40,487	40,639	40,607	40,903	
Married women, spouse present .....	29,886	30,096	30,052	30,160	30,303	30,269	30,212	30,108	30,030	30,244	30,403	30,298	30,515	
Women who maintain families .....	6,563	6,552	6,549	6,565	6,579	6,565	6,641	6,639	6,626	6,585	6,548	6,555	6,615	
<b>OCCUPATION</b>														
Managerial and professional specialty .....	31,029	30,927	31,071	30,997	31,011	30,995	31,198	31,174	31,289	31,529	31,485	31,874	31,907	
Technical, sales, and administrative support .....	36,891	36,817	36,837	37,090	36,890	36,988	36,867	36,700	36,538	36,804	36,799	36,363	36,767	
Service occupations .....	16,130	16,164	16,044	16,123	16,062	16,017	16,007	16,274	16,076	15,999	16,226	16,414	16,461	
Precision production, craft, and repair .....	12,793	12,761	13,063	13,110	13,074	13,275	13,255	13,318	13,328	13,203	13,271	12,937	12,841	
Operators, fabricators, and laborers .....	16,841	17,060	16,885	16,942	17,053	16,993	16,962	16,829	16,907	17,030	16,959	17,132	17,341	
Farming, forestry, and fishing .....	3,441	3,410	3,405	3,389	3,409	3,452	3,489	3,509	3,547	3,507	3,525	3,403	3,319	
<b>INDUSTRY AND CLASS OF WORKER</b>														
Agriculture:														
Wage and salary workers .....	1,702	1,730	1,747	1,682	1,701	1,712	1,698	1,694	1,656	1,685	1,735	1,661	1,614	
Self-employed workers .....	1,420	1,371	1,366	1,400	1,396	1,392	1,417	1,397	1,405	1,370	1,397	1,404	1,363	
Unpaid family workers .....	109	96	100	101	128	111	103	108	118	163	106	145	136	
Nonagricultural industries:														
Wage and salary workers .....	104,928	105,154	105,494	105,634	105,365	105,619	105,697	105,643	105,863	105,913	105,978	105,883	106,163	
Government .....	17,737	17,817	17,699	17,934	18,184	18,275	18,378	18,505	18,371	18,216	18,065	18,481	18,507	
Private industries .....	87,191	87,337	87,795	87,700	87,181	87,344	87,319	87,138	87,492	87,697	87,913	87,402	87,655	
Private households .....	1,127	1,071	1,102	1,085	1,139	1,232	1,116	1,158	1,102	1,109	1,091	1,061	1,071	
Other industries .....	86,064	86,266	86,693	86,615	86,042	86,112	86,203	85,980	86,390	86,588	86,822	86,341	86,584	
Self-employed workers .....	8,683	8,663	8,491	8,586	8,595	8,663	8,642	8,662	8,558	8,700	8,668	8,793	9,065	
Unpaid family workers .....	230	240	247	245	253	250	242	217	189	220	221	250	226	
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>														
All industries:														
Part time for economic reasons .....	6,442	6,436	6,343	6,486	6,100	6,342	6,352	6,362	6,434	6,493	6,349	6,113	6,461	
Slack work .....	3,248	3,216	3,115	3,314	3,289	3,283	3,254	3,171	3,160	3,161	3,206	2,994	3,150	
Could only find part-time work .....	2,881	2,912	2,865	2,863	2,592	2,740	2,849	2,879	2,988	3,060	2,865	2,887	2,991	
Voluntary part time .....	14,393	14,501	14,853	14,589	15,223	14,945	15,082	14,805	14,726	14,834	14,895	14,788	14,698	
Nonagricultural industries:														
Part time for economic reasons .....	6,166	6,142	6,030	6,181	5,921	6,069	6,099	6,096	6,151	6,230	6,063	5,887	6,242	
Slack work .....	3,076	3,005	2,852	3,107	3,138	3,123	3,121	3,001	2,993	2,984	3,024	2,800	2,990	
Could only find part-time work .....	2,788	2,853	2,782	2,783	2,519	2,659	2,756	2,826	2,905	2,998	2,793	2,849	2,931	
Voluntary part time .....	13,972	14,008	14,432	14,135	14,819	14,491	14,721	14,358	14,324	14,413	14,476	14,364	14,282	

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

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

(In thousands)

Sex and age	1992												1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 16 years and over .....	116,962	117,264	117,518	117,580	117,510	117,722	117,780	117,724	117,687	118,064	118,311	118,071	118,451	
16 to 24 years .....	17,536	17,513	17,537	17,535	17,390	17,552	17,609	17,603	17,488	17,606	17,690	17,547	17,659	
16 to 19 years .....	5,431	5,307	5,349	5,389	5,250	5,345	5,429	5,458	5,417	5,423	5,491	5,401	5,506	
16 to 17 years .....	2,087	1,990	2,040	2,032	1,999	2,035	2,112	2,083	2,024	2,028	2,093	2,074	2,146	
18 to 19 years .....	3,391	3,329	3,310	3,344	3,216	3,296	3,319	3,384	3,401	3,384	3,379	3,335	3,381	
20 to 24 years .....	12,105	12,206	12,188	12,146	12,140	12,207	12,180	12,145	12,071	12,183	12,199	12,146	12,152	
25 years and over .....	99,495	99,775	99,920	100,059	100,096	100,202	100,197	100,128	100,206	100,419	100,603	100,481	100,904	
25 to 54 years .....	84,711	84,941	85,160	85,291	85,440	85,526	85,557	85,539	85,588	85,726	85,942	85,956	86,041	
55 years and over .....	14,764	14,818	14,776	14,678	14,700	14,685	14,651	14,607	14,598	14,729	14,643	14,599	14,872	
Men, 16 years and over .....	63,351	63,547	63,777	63,830	63,751	63,830	63,901	63,976	63,924	64,043	64,194	64,186	64,338	
16 to 24 years .....	9,048	8,986	9,070	9,054	9,059	9,116	9,210	9,278	9,236	9,241	9,275	9,165	9,295	
16 to 19 years .....	2,745	2,704	2,744	2,743	2,724	2,760	2,797	2,851	2,836	2,837	2,868	2,763	2,859	
16 to 17 years .....	1,035	1,008	1,053	1,020	1,013	1,034	1,066	1,111	1,068	1,064	1,099	1,048	1,105	
18 to 19 years .....	1,741	1,711	1,700	1,713	1,678	1,717	1,710	1,755	1,773	1,769	1,757	1,728	1,755	
20 to 24 years .....	6,303	6,282	6,326	6,311	6,335	6,356	6,413	6,427	6,400	6,404	6,407	6,402	6,436	
25 years and over .....	54,355	54,545	54,674	54,781	54,677	54,732	54,693	54,694	54,690	54,808	54,918	55,002	55,114	
25 to 54 years .....	45,953	46,136	46,252	46,335	46,365	46,478	46,430	46,455	46,478	46,495	46,624	46,775	46,733	
55 years and over .....	8,407	8,408	8,413	8,415	8,302	8,273	8,269	8,243	8,214	8,328	8,270	8,305	8,404	
Women, 16 years and over .....	53,611	53,717	53,741	53,750	53,759	53,892	53,879	53,748	53,763	54,021	54,117	53,885	54,114	
16 to 24 years .....	8,488	8,527	8,467	8,481	8,331	8,436	8,399	8,325	8,252	8,365	8,415	8,382	8,364	
16 to 19 years .....	2,686	2,603	2,605	2,646	2,526	2,585	2,632	2,607	2,581	2,586	2,623	2,638	2,647	
16 to 17 years .....	1,052	982	987	1,012	986	1,001	1,046	972	956	964	994	1,026	1,041	
18 to 19 years .....	1,650	1,618	1,610	1,631	1,538	1,579	1,609	1,629	1,628	1,615	1,622	1,607	1,626	
20 to 24 years .....	5,802	5,924	5,862	5,835	5,805	5,851	5,767	5,718	5,671	5,779	5,792	5,744	5,717	
25 years and over .....	45,140	45,230	45,246	45,278	45,419	45,470	45,504	45,434	45,516	45,611	45,685	45,479	45,790	
25 to 54 years .....	38,758	38,805	38,908	38,956	39,075	39,048	39,127	39,084	39,110	39,231	39,318	39,181	39,308	
55 years and over .....	6,357	6,410	6,363	6,263	6,398	6,412	6,382	6,364	6,384	6,401	6,373	6,294	6,469	

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

(In thousands)

Sex and age	1992												1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
Total, 16 years and over .....	9,223	9,284	9,225	9,459	9,788	9,628	9,624	9,550	9,379	9,301	9,280	9,013	8,876	
16 to 24 years .....	2,896	2,856	2,797	2,925	3,086	2,985	2,928	2,961	2,753	2,884	2,854	2,846	2,872	
16 to 19 years .....	1,354	1,347	1,288	1,338	1,553	1,389	1,345	1,400	1,260	1,370	1,305	1,325	1,345	
16 to 17 years .....	587	600	593	627	717	628	579	650	575	634	585	654	580	
18 to 19 years .....	757	757	697	731	833	760	751	757	689	737	733	644	757	
20 to 24 years .....	1,542	1,509	1,509	1,587	1,533	1,596	1,583	1,561	1,493	1,514	1,549	1,521	1,527	
25 years and over .....	6,317	6,385	6,416	6,506	6,753	6,631	6,679	6,607	6,622	6,428	6,432	6,203	5,998	
25 to 54 years .....	5,656	5,688	5,667	5,744	5,894	5,840	5,889	5,849	5,863	5,719	5,756	5,518	5,343	
55 years and over .....	673	682	721	745	812	820	803	769	760	723	699	684	663	
Men, 16 years and over .....	5,324	5,360	5,266	5,497	5,666	5,485	5,531	5,477	5,410	5,292	5,200	4,929	4,997	
16 to 24 years .....	1,664	1,664	1,608	1,667	1,743	1,670	1,655	1,647	1,549	1,645	1,601	1,581	1,574	
16 to 19 years .....	769	767	727	740	880	773	778	797	687	758	741	728	742	
16 to 17 years .....	327	344	330	350	404	342	331	360	311	356	320	369	330	
18 to 19 years .....	441	433	396	406	476	429	437	436	383	402	419	347	410	
20 to 24 years .....	895	897	881	927	863	897	877	850	862	887	860	853	832	
25 years and over .....	3,663	3,665	3,669	3,794	3,936	3,807	3,862	3,829	3,855	3,656	3,604	3,399	3,429	
25 to 54 years .....	3,251	3,201	3,196	3,337	3,378	3,328	3,388	3,374	3,390	3,246	3,173	3,011	3,039	
55 years and over .....	419	439	453	463	509	489	479	466	474	437	440	399	394	
Women, 16 years and over .....	3,899	3,924	3,959	3,962	4,122	4,143	4,093	4,073	3,969	4,009	4,080	4,083	3,879	
16 to 24 years .....	1,232	1,192	1,189	1,258	1,343	1,315	1,273	1,314	1,204	1,239	1,253	1,266	1,299	
16 to 19 years .....	585	580	561	598	673	616	567	603	573	612	564	597	603	
16 to 17 years .....	260	256	263	277	313	286	248	290	264	278	265	285	250	
18 to 19 years .....	316	324	301	325	357	331	314	321	306	335	314	297	347	
20 to 24 years .....	647	612	628	660	670	699	706	711	631	627	689	669	696	
25 years and over .....	2,654	2,720	2,747	2,712	2,817	2,824	2,817	2,778	2,767	2,772	2,828	2,804	2,569	
25 to 54 years .....	2,405	2,487	2,471	2,407	2,516	2,512	2,501	2,475	2,473	2,473	2,583	2,507	2,304	
55 years and over .....	254	243	268	282	303	331	324	303	286	286	259	285	269	

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over .....	7.3	7.3	7.3	7.4	7.7	7.6	7.6	7.5	7.4	7.3	7.3	7.1	7.0
16 to 24 years .....	14.2	14.0	13.8	14.3	15.1	14.5	14.3	14.4	13.6	14.1	13.9	14.0	14.0
16 to 19 years .....	20.0	20.2	19.4	19.9	22.8	20.6	19.9	20.4	18.9	20.2	19.2	19.7	19.6
16 to 17 years .....	22.0	23.2	22.5	23.6	26.4	23.6	21.5	23.8	22.1	23.8	21.8	24.0	21.3
18 to 19 years .....	18.2	18.5	17.4	17.9	20.6	18.7	18.5	18.3	16.8	17.9	17.8	16.2	18.3
20 to 24 years .....	11.3	11.0	11.0	11.6	11.2	11.6	11.5	11.4	11.0	11.1	11.3	11.1	11.2
25 years and over .....	6.0	6.0	6.0	6.1	6.3	6.2	6.2	6.2	6.2	6.0	6.0	5.8	5.8
25 to 54 years .....	6.3	6.3	6.2	6.3	6.5	6.4	6.4	6.4	6.4	6.3	6.3	6.0	5.8
55 years and over .....	4.4	4.4	4.7	4.8	5.2	5.3	5.2	5.0	4.9	4.7	4.6	4.5	4.3
Men, 16 years and over .....	7.8	7.8	7.6	7.9	8.2	7.9	8.0	7.9	7.8	7.6	7.5	7.1	7.2
16 to 24 years .....	15.5	15.6	15.1	15.5	16.1	15.5	15.2	15.1	14.4	15.1	14.7	14.7	14.5
16 to 19 years .....	21.9	22.1	20.9	21.2	24.4	21.9	21.8	21.8	19.5	21.1	20.5	20.9	20.6
16 to 17 years .....	24.0	25.4	23.9	25.5	28.5	24.9	23.7	24.5	22.6	25.1	22.6	26.0	23.0
18 to 19 years .....	20.2	20.2	18.9	19.2	22.1	20.0	20.4	19.9	17.8	18.5	19.3	16.7	18.9
20 to 24 years .....	12.4	12.5	12.2	12.8	12.0	12.4	12.0	11.7	11.9	12.2	11.8	11.8	11.4
25 years and over .....	6.3	6.3	6.3	6.5	6.7	6.5	6.6	6.5	6.6	6.3	6.2	5.8	5.9
25 to 54 years .....	6.6	6.5	6.5	6.7	6.8	6.7	6.8	6.8	6.8	6.5	6.4	6.0	6.1
55 years and over .....	4.7	5.0	5.1	5.2	5.6	5.6	5.5	5.4	5.5	5.0	5.1	4.6	4.5
Women, 16 years and over .....	6.8	6.8	6.9	6.9	7.1	7.1	7.1	7.0	6.9	6.9	7.0	7.0	6.7
16 to 24 years .....	12.7	12.3	12.3	12.9	13.9	13.5	13.2	13.6	12.7	12.9	13.0	13.1	13.4
16 to 19 years .....	17.9	18.2	17.7	18.4	21.0	19.2	17.7	18.8	18.2	19.1	17.7	18.5	18.6
16 to 17 years .....	19.8	20.7	21.0	21.5	24.1	22.2	19.2	23.0	21.6	22.4	21.0	21.7	19.4
18 to 19 years .....	16.1	16.7	15.8	16.6	18.8	17.3	16.3	16.5	15.8	17.2	16.2	15.6	17.6
20 to 24 years .....	10.0	9.4	9.7	10.2	10.3	10.7	10.9	11.1	10.0	9.8	10.6	10.4	10.8
25 years and over .....	5.6	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.7	5.7	5.8	5.8	5.3
25 to 54 years .....	5.8	6.0	6.0	5.8	6.0	6.0	6.0	6.0	5.9	5.9	6.2	6.0	5.5
55 years and over .....	3.8	3.7	4.0	4.3	4.5	4.9	4.8	4.5	4.3	4.3	3.9	4.3	4.0

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	7.3	7.3	7.3	7.4	7.7	7.6	7.6	7.5	7.4	7.3	7.3	7.1	7.0
Men, 20 years and over .....	7.0	7.0	6.9	7.2	7.3	7.2	7.2	7.1	7.2	6.9	6.8	6.4	6.5
Women, 20 years and over .....	6.1	6.1	6.2	6.2	6.3	6.4	6.4	6.4	6.2	6.2	6.4	6.4	6.0
Both sexes, 16 to 19 years .....	20.0	20.2	19.4	19.9	22.8	20.6	19.9	20.4	18.9	20.2	19.2	19.7	19.6
White .....	6.5	6.5	6.4	6.5	6.8	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.1
Black and other .....	12.3	12.3	12.4	12.9	13.1	13.0	12.9	12.6	12.5	12.6	12.8	12.9	12.0
Black .....	13.8	13.9	13.8	14.5	14.5	14.4	14.2	13.9	14.1	14.0	14.2	14.2	13.1
Hispanic origin .....	11.4	11.3	10.4	11.3	11.8	11.8	11.3	11.6	11.7	12.0	11.7	11.6	11.4
Married men, spouse present .....	5.0	4.9	4.8	5.0	5.1	5.2	5.3	5.2	5.1	4.9	4.8	4.5	4.5
Married women, spouse present .....	4.8	4.9	5.0	5.0	5.2	5.2	5.0	5.0	5.1	5.0	5.0	4.9	4.4
Women who maintain families .....	9.5	9.9	10.0	9.9	10.1	10.3	10.3	9.1	9.3	10.4	10.3	10.6	10.2
Full-time workers .....	7.0	7.0	7.0	7.1	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.7	6.6
Part-time workers .....	8.9	9.0	8.9	9.3	9.3	9.2	9.1	9.5	9.2	9.2	9.7	9.3	9.1
Unemployed 15 weeks and over <sup>1</sup> .....	2.5	2.5	2.4	2.6	2.7	2.8	2.8	2.8	2.8	2.7	2.8	2.6	2.5
Labor force time lost <sup>2</sup> .....	8.2	8.3	8.2	8.3	8.4	8.4	8.4	8.3	8.3	8.3	8.1	7.9	7.9
<b>OCCUPATION<sup>3</sup></b>													
Managerial and professional specialty .....	3.1	3.1	3.1	3.2	3.1	3.1	3.2	3.2	3.2	3.1	3.2	3.3	3.5
Technical, sales, and administrative support .....	5.7	5.7	5.6	5.7	6.0	6.0	6.0	5.9	6.0	5.7	5.8	5.5	5.2
Precision production, craft, and repair .....	9.2	9.6	8.7	8.7	9.0	8.6	8.6	8.6	8.6	8.6	8.8	7.9	7.8
Operators, fabricators, and laborers .....	11.4	11.0	11.0	11.2	11.3	11.4	11.1	11.1	11.0	10.6	10.0	9.8	9.9
Farming, forestry, and fishing .....	7.8	7.1	7.2	8.0	8.2	8.5	7.9	8.9	7.9	8.8	8.7	8.5	9.0
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.6	7.7	7.6	7.7	7.9	7.8	7.9	7.8	7.8	7.5	7.5	7.3	7.2
Goods-producing industries .....	9.6	9.5	9.6	9.7	10.1	10.1	10.0	10.1	9.9	9.3	9.0	8.8	8.6
Mining .....	8.6	7.7	7.3	8.5	9.0	9.9	10.8	7.2	8.3	5.3	5.5	7.8	7.1
Construction .....	17.1	17.3	16.6	16.9	17.4	17.0	17.0	17.4	16.1	14.5	15.7	14.3	13.7
Manufacturing .....	7.6	7.4	7.6	7.7	8.1	8.2	8.0	8.1	8.2	8.0	7.2	7.3	7.2
Durable goods .....	7.7	7.5	7.6	7.8	8.1	8.4	8.3	8.4	8.9	8.5	7.5	7.3	6.9
Nondurable goods .....	7.5	7.2	7.6	7.6	8.1	8.0	7.4	7.7	7.3	7.3	6.9	7.2	7.5
Service-producing industries .....	6.7	6.9	6.7	6.9	7.0	6.9	7.1	6.9	7.0	6.7	6.9	6.7	6.6
Transportation and public utilities .....	5.3	5.7	4.7	5.1	5.5	5.7	5.4	5.7	5.8	6.1	5.8	4.9	4.6
Wholesale and retail trade .....	8.3	8.5	8.3	8.4	8.6	8.5	9.0	8.5	8.1	7.9	8.0	7.9	7.8
Finance and service industries .....	5.9	6.1	6.0	6.2	6.1	6.0	6.1	6.0	6.4	6.1	6.5	6.3	6.1
Government workers .....	3.8	3.8	3.5	3.5	3.5	3.4	3.4	3.4	3.0	3.8	3.6	3.6	3.6
Agricultural wage and salary workers .....	11.7	10.5	10.9	13.3	12.8	13.8	11.4	14.3	12.5	13.5	12.2	11.6	13.1

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

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>DURATION</b>													
Less than 5 weeks .....	3,105	3,291	3,269	3,362	3,512	3,373	3,289	3,281	3,192	3,120	3,042	3,272	3,232
5 to 14 weeks .....	2,882	2,898	2,706	2,663	2,783	2,776	2,846	2,847	2,666	2,835	2,688	2,481	2,487
15 weeks and over .....	3,172	3,185	3,072	3,349	3,432	3,547	3,547	3,522	3,564	3,446	3,605	3,317	3,143
15 to 26 weeks .....	1,452	1,417	1,303	1,405	1,363	1,459	1,502	1,427	1,475	1,438	1,540	1,407	1,236
27 weeks and over .....	1,720	1,768	1,769	1,944	2,069	2,088	2,045	2,095	2,089	2,008	2,065	1,910	1,907
Average (mean) duration, in weeks .....	16.8	17.0	17.2	17.9	18.2	18.3	18.3	18.5	19.2	18.4	19.2	18.7	18.3
Median duration, in weeks .....	8.2	8.1	8.6	8.8	8.7	8.6	8.9	9.3	9.3	9.4	9.4	8.5	8.2
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	33.9	35.9	36.1	35.9	36.1	34.8	34.0	34.0	33.9	33.2	32.6	36.1	36.5
5 to 14 weeks .....	31.5	29.4	29.9	28.4	28.6	28.6	29.4	29.5	28.3	30.2	28.8	27.4	28.1
15 weeks and over .....	34.6	34.7	34.0	35.7	35.3	36.6	36.6	36.5	37.8	36.7	38.6	36.6	35.5
15 to 26 weeks .....	15.9	15.4	14.4	15.0	14.0	15.0	15.5	14.8	15.7	15.3	16.5	15.5	13.9
27 weeks and over .....	18.8	19.3	19.6	20.7	21.3	21.5	21.1	21.7	22.2	21.4	22.1	21.1	21.5

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

(Numbers in thousands)

Reasons for unemployment	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	5,226	5,269	5,219	5,430	5,535	5,482	5,414	5,438	5,492	5,207	5,138	4,847	4,648
On layoff .....	1,261	1,235	1,227	1,211	1,312	1,296	1,255	1,335	1,265	1,195	1,204	1,029	1,049
Other job losers .....	3,965	4,034	3,992	4,219	4,223	4,166	4,159	4,103	4,227	4,012	3,934	3,818	3,599
Job leavers .....	927	947	1,009	992	1,017	1,003	1,009	963	913	977	972	821	1,046
Reentrants .....	2,169	2,203	2,137	2,194	2,266	2,273	2,246	2,274	2,206	2,194	2,237	2,346	2,299
New entrants .....	838	832	853	863	999	958	941	944	784	930	930	960	887
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	57.1	57.0	56.6	57.3	56.4	56.3	56.3	56.5	58.5	55.9	55.4	54.0	52.3
On layoff .....	13.8	13.3	13.3	12.8	13.4	13.4	13.1	13.9	13.5	12.8	13.0	11.5	11.8
Other job losers .....	43.3	43.6	43.3	44.5	43.0	43.0	43.3	42.7	45.0	43.1	42.4	42.5	40.5
Job leavers .....	10.1	10.2	10.9	10.5	10.4	10.3	10.5	10.0	9.7	10.5	10.5	9.1	11.8
Reentrants .....	23.7	23.8	23.2	23.1	23.1	23.4	23.4	23.6	23.5	23.6	24.1	26.1	25.9
New entrants .....	9.1	9.0	9.3	9.1	10.2	9.9	9.8	9.8	8.3	10.0	10.0	10.7	10.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	4.1	4.2	4.1	4.3	4.3	4.3	4.2	4.3	4.3	4.1	4.0	3.8	3.7
Job leavers .....	.7	.7	.8	.8	.8	.8	.8	.8	.7	.8	.8	.6	.8
Reentrants .....	1.7	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.7	1.7	1.8	1.8	1.8
New entrants .....	.7	.7	.7	.7	.8	.8	.7	.7	.6	.7	.7	.8	.7



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Feb. 1993 <sup>P</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Feb. 1993 <sup>P</sup>
<b>Total</b> .....		108,437	106,607	109,534	107,283	107,832	-	-	-	-	-
<b>Total private</b> .....		89,858	88,184	90,546	88,679	88,900	72,809	71,133	73,572	71,804	71,999
<b>Mining</b> .....		635	646	618	607	592	450	454	439	428	412
Metal mining .....	10	54.3	54.4	52.8	52.0	-	42.6	42.6	41.7	41.2	-
Iron ores .....	101	8.7	8.7	8.4	8.1	-	6.6	6.6	6.5	6.3	-
Copper ores .....	102	16.5	16.6	16.4	16.3	-	13.5	13.6	13.5	13.4	-
Coal mining .....	12	124.4	128.7	117.7	117.1	-	100.8	105.0	94.9	94.2	-
Bituminous coal and lignite mining .....	122	115.4	119.6	108.8	108.4	-	93.3	97.6	87.5	87.1	-
Oil and gas extraction .....	13	353.8	369.1	348.2	344.8	337.2	229.8	239.2	228.2	224.2	-
Crude petroleum and natural gas .....	131	178.3	185.6	169.7	168.5	-	90.5	94.6	84.5	83.1	-
Oil and gas field services .....	138	170.5	178.6	173.7	171.4	-	135.7	141.3	140.1	137.4	-
Nonmetallic minerals, except fuels .....	14	102.7	93.4	99.5	92.9	-	76.7	67.1	73.9	68.1	-
Crushed and broken stone .....	142	37.2	33.2	36.5	33.6	-	28.4	24.1	27.9	25.0	-
Sand and gravel .....	144	32.3	27.5	30.7	27.5	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	16.0	16.2	15.6	15.6	-	-	-	-	-	-
<b>Construction</b> .....		4,595	4,210	4,509	4,180	4,189	3,511	3,141	3,438	3,119	3,128
General building contractors .....	15	1,102.5	1,062.2	1,078.6	1,028.0	1,019.8	777.2	739.7	757.4	707.7	-
Residential building construction .....	152	555.3	521.9	545.1	520.3	-	378.4	350.0	368.8	344.0	-
Operative builders .....	153	30.1	29.7	29.9	28.9	-	12.9	11.7	13.6	12.6	-
Nonresidential building construction .....	154	517.1	510.6	503.6	478.8	-	386.0	378.0	375.0	351.1	-
Heavy construction, except building .....	16	718.0	600.1	674.9	581.3	-	594.4	478.1	553.9	464.0	-
Highway and street construction .....	161	219.0	149.7	186.2	142.3	-	179.8	112.4	147.2	105.6	-
Heavy construction, except highway .....	162	499.1	450.4	488.7	439.0	-	414.7	365.7	406.7	358.4	-
Special trade contractors .....	17	2,774.0	2,547.3	2,755.1	2,570.5	-	2,139.5	1,923.4	2,127.1	1,946.8	-
Plumbing, heating, and air conditioning .....	171	610.6	589.4	613.4	601.1	-	442.0	421.2	445.4	431.2	-
Painting and paper hanging .....	172	155.7	136.8	153.3	142.1	-	127.3	108.9	124.9	113.7	-
Electrical work .....	173	514.6	501.0	520.7	503.5	-	394.5	380.8	401.6	383.3	-
Masonry, stonework, and plastering .....	174	418.3	369.0	417.1	381.0	-	355.0	307.5	353.5	319.0	-
Carpentry and floor work .....	175	170.6	161.6	169.8	161.4	-	125.4	116.5	125.2	117.6	-
Roofing, siding, and sheet metal work .....	176	190.7	171.4	195.1	170.5	-	149.4	130.6	153.5	130.2	-
<b>Manufacturing</b> .....		18,190	18,131	18,081	17,937	17,923	12,345	12,236	12,295	12,181	12,179
<b>Durable goods</b> .....		10,339	10,344	10,258	10,183	10,169	6,859	6,813	6,836	6,779	6,777
Lumber and wood products .....	24	686.7	662.6	689.8	678.1	681.8	563.2	540.7	565.8	555.6	558.9
Logging .....	241	75.8	74.9	75.0	71.4	-	62.2	61.1	61.4	58.4	-
Sawmills and planing mills .....	242	182.1	179.8	179.8	177.4	-	157.8	155.4	155.8	153.1	-
Sawmills and planing mills, general .....	2421	146.6	144.8	144.1	141.9	-	126.7	124.8	124.4	122.3	-
Hardwood dimension and flooring mills .....	2426	32.9	32.7	33.2	33.3	-	28.9	28.7	29.2	29.0	-
Millwork, plywood, and structural members .....	243	244.7	233.3	246.6	244.5	-	195.4	185.1	196.9	194.9	-
Millwork .....	2431	103.6	98.2	103.7	103.0	-	80.7	75.7	80.5	79.7	-
Wood kitchen cabinets .....	2434	66.9	63.9	68.6	67.8	-	52.6	49.8	54.1	53.6	-
Hardwood veneer and plywood .....	2435	23.0	22.5	23.1	23.4	-	19.7	19.3	19.9	20.1	-
Softwood veneer and plywood .....	2436	27.2	26.8	27.2	27.0	-	24.4	24.0	24.4	24.3	-
Wood containers .....	244	43.1	42.1	42.4	41.8	-	36.1	34.9	35.6	35.2	-
Wood buildings and mobile homes .....	245	59.6	53.2	63.7	61.6	-	45.7	40.0	49.4	47.8	-
Mobile homes .....	2451	43.0	37.9	47.0	45.3	-	35.2	30.7	39.0	37.5	-
Miscellaneous wood products .....	249	81.4	79.3	82.3	81.4	-	66.0	64.2	66.7	66.2	-
Furniture and fixtures .....	25	464.9	465.1	465.2	462.5	462.6	366.6	366.0	367.3	365.4	365.5
Household furniture .....	251	266.8	268.8	267.9	267.2	-	221.8	223.2	223.2	222.8	-
Wood household furniture .....	2511	117.6	118.3	117.8	117.4	-	100.7	101.5	101.0	100.9	-
Upholstered household furniture .....	2512	87.7	87.8	88.5	88.2	-	72.7	72.6	73.6	73.4	-
Metal household furniture .....	2514	20.7	22.4	20.3	20.1	-	16.5	17.9	16.3	16.2	-
Mattresses and bedsprings .....	2515	27.8	27.1	28.2	28.3	-	21.1	20.4	21.5	21.5	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Furniture and fixtures—Continued</b>											
Office furniture .....	252	58.8	59.3	59.4	58.8	-	43.6	44.1	43.7	43.5	-
Public building and related furniture .....	253	32.4	32.0	32.1	32.1	-	25.5	25.1	25.4	25.5	-
Partitions and fixtures .....	254	73.5	71.2	72.7	71.9	-	53.5	51.2	52.9	52.0	-
Miscellaneous furniture and fixtures .....	259	33.5	33.8	33.1	32.5	-	22.3	22.4	22.1	21.6	-
Stone, clay, and glass products .....	32	519.3	498.7	515.0	498.1	502.2	401.3	382.2	396.8	381.5	386.3
Flat glass .....	321	16.3	16.2	16.1	18.1	-	12.8	12.8	12.5	12.5	-
Glass and glassware, pressed or blown .....	322	82.9	81.6	82.9	81.1	-	70.6	69.7	69.7	68.1	-
Glass containers .....	3221	37.6	37.5	37.2	36.8	-	33.8	33.9	33.2	32.9	-
Pressed and blown glass, nec .....	3229	45.4	44.1	45.7	44.3	-	36.8	35.8	36.5	35.2	-
Products of purchased glass .....	323	57.0	55.4	57.5	56.9	-	43.1	41.7	43.5	43.4	-
Cement, hydraulic .....	324	17.9	17.7	17.6	17.2	-	13.8	13.5	13.6	13.2	-
Structural clay products .....	325	32.7	31.0	32.5	32.2	-	25.2	23.2	25.1	24.8	-
Pottery and related products .....	326	37.2	37.3	37.1	37.0	-	29.1	29.2	29.1	28.9	-
Concrete, gypsum, and plaster products .....	327	187.2	173.3	183.3	171.3	-	141.4	128.5	138.0	126.8	-
Concrete block and brick .....	3271	16.7	15.5	16.6	15.6	-	10.7	9.7	10.5	9.8	-
Concrete products, nec .....	3272	62.2	59.8	60.8	57.8	-	46.3	43.9	45.2	42.1	-
Ready-mixed concrete .....	3273	91.7	81.6	89.3	81.4	-	71.6	62.1	69.2	61.8	-
Misc. nonmetallic mineral products .....	329	75.7	74.4	75.6	74.7	-	56.4	55.1	56.4	55.6	-
Abrasive products .....	3291	20.6	20.3	20.7	20.6	-	15.2	15.0	15.3	15.0	-
Asbestos products .....	3292	4.6	4.5	4.6	4.5	-	3.7	3.5	3.7	3.6	-
Mineral wool .....	3296	22.1	22.0	21.8	21.1	-	-	-	-	-	-
Primary metal industries .....	33	703.1	709.8	694.4	692.9	691.4	531.4	533.9	527.5	526.4	524.7
Blast furnaces and basic steel products .....	331	253.5	258.0	246.9	245.4	244.7	191.4	194.0	187.5	186.4	184.9
Blast furnaces and steel mills .....	3312	190.3	194.9	184.1	182.9	-	144.0	147.0	140.3	139.6	-
Steel pipe and tubes .....	3317	24.0	24.2	23.7	23.7	-	17.8	17.9	17.8	17.6	-
Iron and steel foundries .....	332	121.4	121.9	120.9	120.6	-	97.1	97.0	97.0	96.2	-
Gray and ductile iron foundries .....	3321	75.0	75.0	75.4	75.0	-	60.9	60.8	61.1	60.2	-
Malleable iron foundries .....	3322	7.4	7.6	7.0	7.3	-	6.0	6.0	5.7	6.0	-
Steel foundries, nec .....	3325	24.3	24.3	24.5	24.7	-	18.8	18.7	19.2	19.4	-
Primary nonferrous metals .....	333	42.6	43.1	42.9	42.9	-	32.4	32.9	32.5	32.6	-
Primary aluminum .....	3334	24.5	24.2	25.0	25.0	-	19.5	19.7	19.8	19.8	-
Nonferrous rolling and drawing .....	335	164.8	165.4	163.4	164.5	-	118.7	118.1	118.7	119.9	-
Copper rolling and drawing .....	3351	23.2	23.0	23.0	23.0	-	17.6	17.4	17.5	17.5	-
Aluminum sheet, plate, and foil .....	3353	26.7	27.5	26.1	26.1	-	17.9	18.4	17.6	17.5	-
Nonferrous wire drawing and insulating .....	3357	68.9	69.5	68.9	68.8	-	49.9	49.9	50.4	51.5	-
Nonferrous foundries (castings) .....	336	78.0	77.9	77.6	77.0	-	61.0	60.6	61.1	60.5	-
Aluminum foundries .....	3365	22.4	22.0	22.3	22.0	-	17.6	17.1	17.7	17.3	-
Fabricated metal products .....	34	1,334.6	1,335.6	1,330.5	1,321.7	1,320.3	979.2	975.4	978.9	971.6	971.0
Metal cans and shipping containers .....	341	46.2	46.4	43.7	44.0	-	39.8	39.8	37.6	37.8	-
Metal cans .....	3411	37.2	37.4	35.1	35.4	-	32.6	32.6	30.7	30.9	-
Cutlery, handtools, and hardware .....	342	122.3	122.8	122.3	122.0	-	90.6	91.2	90.8	90.7	-
Hand and edge tools, and blades and handsaws .....	3423,5	41.3	42.1	41.2	41.1	-	30.5	31.2	30.5	30.6	-
Hardware, nec .....	3429	69.4	69.1	69.7	69.6	-	52.1	52.0	52.5	52.4	-
Plumbing and heating, except electric .....	343	57.2	56.8	58.0	57.2	-	40.5	40.1	41.3	41.0	-
Plumbing fixture fittings and trim .....	3432	26.3	25.9	26.6	26.8	-	19.7	19.4	19.8	20.2	-
Heating equipment, except electric .....	3433	18.1	18.0	18.8	18.2	-	11.8	11.5	12.3	11.7	-
Fabricated structural metal products .....	344	395.6	397.2	392.2	387.3	-	278.8	277.9	277.1	272.9	-
Fabricated structural metal .....	3441	68.8	71.6	66.2	65.2	-	49.2	51.1	47.2	46.6	-
Metal doors, sash, and trim .....	3442	71.5	67.8	72.2	69.8	-	51.4	47.9	52.1	50.1	-
Fabricated plate work (boiler shops) .....	3443	101.1	104.5	99.4	99.6	-	67.9	70.0	67.1	67.3	-
Sheet metal work .....	3444	93.5	93.4	93.2	92.2	-	70.0	69.8	69.9	68.9	-
Architectural metal work .....	3446	25.5	25.8	24.9	24.5	-	17.5	17.6	17.2	17.1	-
Screw machine products, bolts, etc .....	345	88.2	89.3	87.9	88.0	-	67.2	67.6	67.4	67.2	-
Screw machine products .....	3451	43.6	43.2	44.1	44.1	-	35.4	34.9	35.9	35.7	-
Bolts, nuts, rivets, and washers .....	3452	44.6	46.1	43.8	43.9	-	31.8	32.7	31.5	31.5	-
Metal forgings and stampings .....	346	213.5	208.8	216.6	215.3	-	169.4	163.6	172.9	171.6	-
Iron and steel forgings .....	3462	29.6	30.4	29.0	29.2	-	22.4	22.8	22.1	22.1	-
Automotive stampings .....	3465	96.9	91.9	99.6	99.4	-	81.4	76.3	84.5	84.2	-
Metal stampings, nec .....	3469	76.5	75.8	77.3	76.4	-	57.8	56.8	58.4	57.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Fabricated metal products—Continued</b>											
Metal services, nec .....	347	115.7	114.5	116.0	114.7	-	89.3	88.3	89.5	88.4	-
Plating and polishing .....	3471	71.6	70.6	72.5	71.0	-	55.2	54.3	56.0	54.6	-
Metal coating and allied services .....	3479	44.1	43.9	43.5	43.7	-	34.1	34.0	33.5	33.8	-
Ordnance and accessories, nec .....	348	65.9	68.8	63.6	63.4	-	38.5	41.6	36.4	36.2	-
Ammunition, except for small arms, nec .....	3483	39.8	42.3	38.2	38.1	-	20.3	23.0	19.0	18.7	-
Miscellaneous fabricated metal products .....	349	230.0	231.0	230.2	229.8	-	165.1	165.3	165.9	165.8	-
Valves and pipe fittings, nec .....	3494	27.6	28.1	27.1	27.1	-	19.5	19.6	19.7	19.7	-
Misc. fabricated wire products .....	3496	51.4	50.9	51.7	51.6	-	38.8	38.3	38.9	38.9	-
Industrial machinery and equipment .....	35	1,945.8	1,954.3	1,937.0	1,936.0	1,936.3	1,164.0	1,163.5	1,167.0	1,166.9	1,167.0
Engines and turbines .....	351	92.5	90.1	94.1	93.7	-	58.3	56.9	59.2	58.7	-
Turbines and turbine generator sets .....	3511	28.3	28.4	28.6	28.6	-	16.8	16.8	16.9	16.8	-
Internal combustion engines, nec .....	3519	64.2	61.7	65.5	65.1	-	41.5	40.1	42.3	41.9	-
Farm and garden machinery .....	352	96.2	98.9	97.6	99.6	-	68.6	71.7	69.4	70.6	-
Farm-machinery and equipment .....	3523	70.3	70.1	70.0	70.6	-	48.9	49.1	48.0	48.8	-
Construction and related machinery .....	353	203.7	198.3	205.7	205.8	-	120.8	115.4	122.8	122.8	-
Construction machinery .....	3531	76.2	66.2	79.8	79.3	-	44.9	36.6	47.4	46.9	-
Mining machinery .....	3532	15.7	16.1	14.8	15.5	-	9.3	9.4	8.9	9.2	-
Oil and gas field machinery .....	3533	37.2	40.8	35.3	35.2	-	22.9	25.2	21.7	21.7	-
Conveyors and conveying equipment .....	3535	31.7	32.0	32.4	32.3	-	17.3	17.5	17.9	18.1	-
Industrial trucks and tractors .....	3537	25.1	25.0	25.5	25.5	-	16.6	16.3	17.1	17.0	-
Metalworking machinery .....	354	306.4	307.7	309.9	310.5	-	215.5	216.8	218.9	218.9	-
Machine tools, metal cutting types .....	3541	37.7	39.1	36.7	36.8	-	23.1	24.2	22.7	22.2	-
Machine tools, metal forming types .....	3542	16.3	16.7	16.2	16.3	-	9.9	10.0	10.1	10.2	-
Special dies, tools, jigs, and fixtures .....	3544	141.2	140.4	144.6	145.1	-	107.4	107.0	110.5	111.0	-
Machine tool accessories .....	3545	51.1	51.3	51.5	51.5	-	35.9	36.1	36.0	35.8	-
Power driven handtools .....	3546	21.3	21.4	21.5	21.6	-	14.3	14.6	14.5	14.7	-
Special industry machinery .....	355	143.8	145.3	142.8	143.1	-	82.2	82.3	82.2	82.5	-
Textile machinery .....	3552	16.9	16.8	17.1	17.3	-	11.2	11.1	11.3	11.4	-
Printing trades machinery .....	3555	21.1	22.6	20.0	20.0	-	10.9	11.0	10.8	11.1	-
Food products machinery .....	3556	22.2	21.9	22.4	22.6	-	13.0	12.8	13.2	13.3	-
General industrial machinery .....	356	232.6	234.3	230.9	231.2	-	147.6	148.8	146.8	147.0	-
Pumps and pumping equipment .....	3561	31.0	31.2	30.5	30.7	-	17.4	17.5	17.1	17.1	-
Ball and roller bearings .....	3562	37.9	38.7	37.3	37.1	-	30.0	30.7	29.7	29.8	-
Air and gas compressors .....	3563	24.7	24.6	24.6	24.5	-	13.6	13.6	13.5	13.6	-
Blowers and fans .....	3564	31.3	30.8	31.2	31.2	-	21.3	20.7	21.2	21.0	-
Speed changers, drives, and gears .....	3566	14.2	14.3	14.2	14.2	-	9.9	10.0	10.0	9.9	-
Power transmission equipment, nec .....	3568	18.8	18.8	19.0	19.0	-	12.4	12.3	12.5	12.6	-
Computer and office equipment .....	357	395.3	402.8	384.0	381.4	-	130.6	131.4	128.8	128.4	-
Electronic computers .....	3571	240.5	248.3	228.3	225.7	-	61.2	63.5	58.4	57.9	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	58.8	60.1	57.9	57.6	-	26.2	25.0	26.3	26.1	-
Refrigeration and service machinery .....	358	171.9	170.1	169.2	170.9	-	120.3	117.5	118.1	119.2	-
Refrigeration and heating equipment .....	3585	117.8	116.4	114.6	116.5	-	86.3	83.6	84.0	85.3	-
Misc. industrial and commercial machinery .....	359	303.4	306.8	302.8	299.8	-	220.1	222.7	220.8	218.8	-
Carburetors, pistons, rings, valves .....	3592	22.2	22.3	21.9	21.9	-	17.9	18.1	17.6	17.6	-
Scales, balances, and industrial machinery, nec .....	3596,9	237.2	240.0	237.2	234.5	-	176.9	178.9	177.9	176.0	-
Electronic and other electrical equipment .....	36	1,548.5	1,568.3	1,541.8	1,539.4	1,537.9	983.7	991.8	983.2	978.6	979.5
Electric distribution equipment .....	361	86.9	88.6	86.8	86.3	-	59.7	60.8	59.7	59.4	-
Transformers, except electronic .....	3612	44.8	45.7	44.9	44.6	-	31.4	31.9	31.6	31.5	-
Switchgear and switchboard apparatus .....	3613	42.1	42.9	41.9	41.7	-	28.3	28.9	28.1	27.9	-
Electrical industrial apparatus .....	362	157.4	159.6	156.2	156.3	-	110.7	112.4	109.4	109.6	-
Motors and generators .....	3621	78.1	78.5	77.7	77.9	-	60.3	60.6	60.0	60.3	-
Relays and industrial controls .....	3625	60.9	62.7	60.0	59.8	-	37.5	38.9	36.4	36.3	-
Household appliances .....	363	119.4	118.6	118.7	120.1	-	95.2	95.0	94.0	94.8	-
Household refrigerators and freezers .....	3632	28.1	27.1	26.8	27.1	-	23.2	21.9	22.5	23.0	-
Household laundry equipment .....	3633	20.3	20.6	19.8	20.0	-	15.3	15.9	14.7	15.0	-
Electric housewares and fans .....	3634	30.2	29.8	30.6	30.8	-	23.3	23.4	23.3	23.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment .....	364	173.1	174.0	174.2	173.6	-	125.0	125.8	126.0	125.1	-
Electric lamps .....	3641	20.8	21.1	21.0	21.0	-	17.5	17.8	17.3	17.2	-
Current-carrying wiring devices .....	3643	66.3	67.4	65.9	65.8	-	44.1	44.8	43.9	43.6	-
Noncurrent-carrying wiring devices .....	3644	16.1	16.2	16.3	16.3	-	11.5	11.5	11.8	11.8	-
Residential lighting fixtures .....	3645	20.8	20.3	21.0	20.6	-	15.8	15.5	16.0	15.7	-
Household audio and video equipment .....	365	84.5	84.8	85.3	84.7	-	56.8	57.4	56.5	56.1	-
Household audio and video equipment .....	3651	60.6	62.0	60.0	59.8	-	39.1	40.5	38.1	38.0	-
Communications equipment .....	366	238.1	244.9	235.8	236.0	-	121.2	124.0	121.0	120.9	-
Telephone and telegraph apparatus .....	3661	112.6	115.0	111.8	112.4	-	61.8	62.2	62.5	62.7	-
Electronic components and accessories .....	367	533.5	539.1	530.2	528.5	-	307.9	307.0	309.4	307.2	-
Electron tubes .....	3671	26.1	27.3	24.7	24.4	-	17.5	18.3	16.5	16.1	-
Semiconductors and related devices .....	3674	223.5	226.6	221.1	221.0	-	92.2	90.5	92.8	93.0	-
Electronic components, nec .....	3679	128.9	130.5	127.2	125.9	-	83.7	84.6	83.3	81.7	-
Misc. electrical equipment and supplies .....	369	155.5	158.7	154.6	153.9	-	107.3	109.4	107.2	105.5	-
Storage batteries .....	3691	28.2	28.5	28.6	27.9	-	21.8	22.0	22.5	21.4	-
Engine electrical equipment .....	3694	64.2	66.2	63.0	62.5	-	48.7	50.0	47.9	47.4	-
Transportation equipment .....	37	1,826.9	1,827.6	1,797.4	1,778.8	1,761.3	1,144.2	1,127.7	1,137.3	1,128.4	1,118.2
Motor vehicles and equipment .....	371	812.2	762.2	828.3	825.5	818.1	620.8	577.6	636.4	634.0	628.4
Motor vehicles and car bodies .....	3711	323.1	284.6	331.7	329.2	-	234.6	202.9	242.0	239.6	-
Truck and bus bodies .....	3713	34.4	32.0	34.7	34.6	-	27.0	24.4	27.4	27.2	-
Motor vehicle parts and accessories .....	3714	409.3	403.7	414.5	414.2	-	324.0	318.3	329.9	329.9	-
Truck trailers .....	3715	26.9	25.0	28.5	28.3	-	21.1	19.1	22.6	22.4	-
Aircraft and parts .....	372	617.4	650.0	589.4	579.7	-	293.0	312.9	276.5	271.9	-
Aircraft .....	3721	337.3	351.7	324.7	318.3	-	140.0	149.4	132.2	131.2	-
Aircraft engines and engine parts .....	3724	127.1	135.8	120.2	118.2	-	64.5	68.9	60.8	58.9	-
Aircraft parts and equipment, nec .....	3728	153.1	162.5	144.5	143.2	-	88.4	94.6	83.5	81.8	-
Ship and boat building and repairing .....	373	170.1	174.8	165.3	163.2	-	131.1	135.6	128.1	126.8	-
Ship building and repairing .....	3731	123.5	130.0	118.7	117.4	-	93.3	99.0	90.4	89.5	-
Boat building and repairing .....	3732	46.7	44.8	46.6	45.8	-	37.9	36.6	37.7	37.3	-
Railroad equipment .....	374	28.7	28.3	28.8	28.5	-	21.2	20.5	21.8	21.5	-
Guided missiles, space vehicles, and parts .....	376	140.9	156.3	128.4	124.4	-	38.9	43.4	35.6	35.0	-
Guided missiles and space vehicles .....	3761	100.9	112.1	92.1	88.9	-	26.2	29.5	23.8	23.2	-
Miscellaneous transportation equipment .....	379	41.8	40.4	41.3	41.4	-	27.5	26.1	27.0	27.2	-
Travel trailers and campers .....	3792	17.3	16.0	18.1	18.1	-	13.9	12.7	14.7	14.7	-
Instruments and related products .....	38	943.1	960.7	923.1	918.7	915.4	461.5	471.7	451.2	449.4	448.2
Search and navigation equipment .....	381	238.5	252.1	225.8	221.3	-	75.3	79.9	71.7	70.0	-
Measuring and controlling devices .....	382	291.9	298.8	285.1	285.0	-	154.3	160.7	148.1	147.4	-
Environmental controls .....	3822	45.1	45.1	44.5	44.4	-	30.8	31.0	30.1	29.7	-
Process control instruments .....	3823	58.5	61.0	55.9	56.0	-	28.4	30.9	26.5	26.7	-
Instruments to measure electricity .....	3825	79.9	81.9	78.2	78.4	-	39.2	40.4	37.6	37.7	-
Medical instruments and supplies .....	384	267.1	264.7	268.4	268.9	-	155.2	152.9	157.3	157.9	-
Surgical and medical instruments .....	3841	113.5	112.6	114.4	114.9	-	67.4	66.4	69.0	69.7	-
Surgical appliances and supplies .....	3842	95.3	94.7	96.5	96.3	-	62.0	61.5	62.5	62.1	-
Ophthalmic goods .....	385	40.6	40.9	40.0	39.7	-	27.4	27.9	26.8	26.6	-
Photographic equipment and supplies .....	386	95.9	94.8	95.0	95.5	-	41.9	42.8	40.2	40.8	-
Watches, clocks, watchcases, and parts .....	387	9.1	9.4	8.8	8.3	-	7.4	7.5	7.1	6.7	-
Miscellaneous manufacturing industries .....	39	366.4	360.8	363.9	357.0	359.5	264.0	259.9	260.5	255.2	257.9
Jewelry, silverware, and plated ware .....	391	51.5	49.8	52.8	51.1	-	36.6	35.2	37.8	36.1	-
Jewelry, precious metal .....	3911	37.4	36.2	38.7	37.2	-	26.4	25.5	27.6	26.1	-
Musical instruments .....	393	12.2	12.1	12.2	12.2	-	10.0	9.8	10.1	9.9	-
Toys and sporting goods .....	394	106.3	104.2	104.5	103.3	-	77.8	76.5	75.4	74.6	-
Dolls, games, toys, and children's vehicles .....	3942,4	44.2	42.9	42.8	41.8	-	31.8	30.8	30.3	29.5	-
Sporting and athletic goods, nec .....	3949	62.2	61.3	61.7	61.5	-	46.0	45.7	45.1	45.1	-
Pens, pencils, office, and art supplies .....	395	32.8	32.8	31.9	31.5	-	22.2	22.6	21.0	20.7	-
Costume jewelry and notions .....	396	28.8	29.3	28.0	27.0	-	20.8	21.0	20.2	19.8	-
Costume jewelry .....	3961	17.1	17.5	16.4	15.4	-	11.9	12.1	11.4	11.1	-
Miscellaneous manufactures .....	399	134.8	132.6	134.5	131.9	-	96.6	94.8	96.0	94.1	-
Signs and advertising specialties .....	3993	54.5	54.4	54.8	54.1	-	37.6	37.2	37.5	36.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Nondurable goods</b> .....		7,851	7,787	7,823	7,754	7,754	5,486	5,423	5,459	5,402	5,402
Food and kindred products .....	20	1,670.2	1,626.9	1,650.6	1,624.9	1,621.6	1,213.9	1,168.7	1,198.7	1,174.1	1,172.1
Meat products .....	201	435.3	428.3	445.7	439.8	-	369.7	364.2	378.4	372.9	-
Meat packing plants .....	2011	141.5	139.6	144.1	141.6	-	118.9	117.9	120.7	118.3	-
Sausages and other prepared meats .....	2013	86.1	84.1	87.8	86.3	-	65.0	63.2	66.5	64.8	-
Poultry slaughtering and processing .....	2015	207.6	204.6	213.8	211.9	-	185.8	183.1	191.2	189.8	-
Dairy products .....	202	154.8	152.8	152.9	151.0	-	96.7	93.6	96.4	95.0	-
Cheese, natural and processed .....	2022	41.8	40.9	42.2	40.8	-	32.8	31.6	33.8	32.5	-
Fluid milk .....	2026	71.2	72.1	69.9	69.4	-	36.5	36.0	36.2	36.1	-
Preserved fruits and vegetables .....	203	249.3	218.3	222.2	216.4	-	209.6	179.0	183.0	176.8	-
Canned specialties .....	2032	22.5	22.5	22.9	22.7	-	18.6	18.5	19.1	18.9	-
Canned fruits and vegetables .....	2033	87.1	66.5	66.6	64.1	-	73.8	53.7	53.6	50.8	-
Frozen fruits and vegetables .....	2037	49.3	43.5	44.6	42.6	-	43.3	37.7	38.8	36.6	-
Grain mill products .....	204	128.3	128.7	128.1	127.2	-	90.2	90.1	90.7	90.2	-
Flour and other grain mill products .....	2041	20.8	20.9	21.3	21.0	-	13.7	13.9	14.2	14.0	-
Prepared feeds, nec .....	2048	46.3	46.5	46.2	46.3	-	29.5	29.4	29.9	30.1	-
Bakery products .....	205	211.7	210.7	212.2	210.0	-	135.3	133.0	136.3	134.2	-
Bread, cake, and related products .....	2051	152.8	152.6	153.0	151.5	-	89.9	88.3	90.8	89.5	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	59.0	58.1	59.2	58.5	-	45.4	44.7	45.5	44.7	-
Sugar and confectionery products .....	206	101.1	102.8	106.0	100.7	-	78.5	80.0	83.4	77.6	-
Raw cane sugar .....	2061	7.4	7.4	9.1	8.0	-	5.7	5.8	7.4	6.3	-
Cane sugar refining .....	2062	5.2	5.2	4.7	4.7	-	3.7	3.7	3.3	3.2	-
Beet sugar .....	2063	8.9	10.2	9.9	9.7	-	7.6	8.8	8.8	8.5	-
Candy and other confectionery products .....	2064	48.9	48.5	50.8	47.7	-	39.3	39.1	41.1	37.7	-
Fats and oils .....	207	31.3	30.8	31.3	31.0	-	21.2	21.4	21.6	21.1	-
Beverages .....	208	178.0	176.8	176.1	172.6	-	77.4	75.0	77.2	74.7	-
Malt beverages .....	2082	38.3	38.5	38.2	36.4	-	22.9	22.5	23.0	21.7	-
Bottled and canned soft drinks .....	2086	97.4	96.3	96.9	95.8	-	34.3	33.1	34.5	34.0	-
Misc. food and kindred products .....	209	180.3	177.7	176.1	176.2	-	135.4	132.4	131.7	131.6	-
Tobacco products .....	21	49.2	53.0	52.3	52.2	49.7	37.0	40.4	40.1	40.1	37.5
Cigarettes .....	211	34.0	34.4	33.4	33.2	-	25.7	25.9	25.2	25.2	-
Textile mill products .....	22	678.4	674.3	677.7	673.2	672.6	580.8	578.1	578.4	573.8	573.5
Broadwoven fabric mills, cotton .....	221	86.0	86.8	85.5	85.5	-	76.4	77.1	75.9	75.9	-
Broadwoven fabric mills, synthetics .....	222	73.9	73.1	74.1	73.7	-	63.8	63.8	63.1	62.6	-
Broadwoven fabric mills, wool .....	223	17.7	17.5	17.5	17.5	-	14.7	14.6	14.5	14.5	-
Narrow fabric mills .....	224	24.0	23.8	24.3	24.4	-	20.2	20.0	20.5	20.6	-
Knitting mills .....	225	200.5	198.8	199.1	196.4	-	174.9	173.2	173.3	170.6	-
Women's hosiery, except socks .....	2251	30.7	31.1	30.4	30.2	-	27.4	27.8	27.1	26.9	-
Hosiery, nec .....	2252	38.0	38.2	37.0	36.9	-	34.2	34.2	33.3	33.2	-
Knit outerwear mills .....	2253	56.2	54.1	57.1	55.2	-	49.3	47.7	49.9	48.2	-
Knit underwear mills .....	2254	28.0	27.5	27.9	27.6	-	24.1	23.5	24.2	23.8	-
Weft knit fabric mills .....	2257	26.7	26.8	26.1	25.9	-	22.7	22.8	22.1	21.9	-
Textile finishing, except wool .....	226	65.9	66.2	66.0	65.7	-	54.2	54.3	54.4	53.9	-
Finishing plants, cotton .....	2261	26.7	27.0	26.8	26.5	-	22.1	22.0	22.4	22.1	-
Finishing plants, synthetics .....	2262	26.3	26.3	26.4	26.4	-	21.2	21.4	21.2	21.1	-
Carpets and rugs .....	227	58.9	57.2	60.3	60.1	-	47.6	46.5	48.9	48.6	-
Yarn and thread mills .....	228	101.2	101.2	101.3	100.6	-	90.5	90.6	90.3	89.6	-
Yarn spinning mills .....	2281	80.1	80.0	80.3	79.6	-	72.0	72.0	72.1	71.5	-
Throwing and winding mills .....	2282	14.3	14.2	14.1	14.1	-	12.4	12.4	12.2	12.1	-
Miscellaneous textile goods .....	229	50.3	49.7	49.6	49.3	-	38.4	38.0	37.5	37.5	-
Apparel and other textile products .....	23	1,017.6	1,014.4	1,006.6	994.6	998.7	852.1	847.3	842.2	832.0	835.6
Men's and boys' suits and coats .....	231	44.7	47.3	44.3	44.2	-	37.4	39.6	36.9	36.8	-
Men's and boys' furnishings .....	232	283.8	280.2	283.2	281.4	-	244.1	240.2	244.2	242.3	-
Men's and boys' shirts .....	2321	64.0	63.6	64.4	63.8	-	54.9	54.6	55.4	54.7	-
Men's and boys' trousers and slacks .....	2325	88.1	87.4	87.2	87.9	-	76.8	76.1	76.2	76.6	-
Men's and boys' work clothing .....	2326	44.2	43.9	44.0	43.1	-	38.5	37.9	38.4	37.6	-
Women's and misses' outerwear .....	233	316.8	316.7	307.9	303.5	-	265.1	263.8	257.0	253.1	-
Women's and misses' blouses and shirts .....	2331	35.9	37.1	34.4	34.3	-	29.4	30.6	27.8	27.7	-
Women's, juniors', and misses' dresses .....	2335	60.4	62.6	55.7	54.7	-	49.0	51.2	44.6	43.6	-
Women's and misses' suits and coats .....	2337	30.0	27.9	27.4	26.1	-	25.1	22.9	22.7	21.3	-
Women's and misses' outerwear, nec .....	2339	190.5	189.1	190.4	188.4	-	161.6	159.1	161.9	160.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Feb. 1993 <sup>a</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Feb. 1993 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
<b>Apparel and other textile products—Continued</b>											
Women's and children's undergarments .....	234	55.8	58.5	53.4	53.1	-	45.9	47.9	44.2	43.7	-
Women's and children's underwear .....	2341	44.8	47.5	42.2	42.0	-	38.1	40.1	36.0	35.6	-
Brassieres, girdles, and allied garments .....	2342	11.0	11.0	11.2	11.1	-	7.8	7.8	8.2	8.1	-
Girls' and children's outerwear .....	236	52.2	54.6	50.6	50.3	-	44.4	46.9	42.8	42.9	-
Girls' and children's dresses and blouses .....	2361	21.2	22.6	20.7	20.6	-	18.4	20.1	17.8	17.9	-
Misc. apparel and accessories .....	238	43.1	42.5	42.2	41.7	-	35.0	34.4	34.3	33.8	-
Misc. fabricated textile products .....	239	203.7	197.5	206.9	202.7	-	165.7	160.2	167.8	164.7	-
Curtains and draperies .....	2391	22.0	22.4	21.5	20.4	-	18.2	18.5	17.6	16.6	-
House furnishings, nec .....	2392	53.4	52.5	54.0	52.6	-	44.8	43.8	45.5	44.4	-
Automotive and apparel trimmings .....	2396	54.8	50.1	57.0	55.9	-	44.4	39.9	46.0	45.2	-
Paper and allied products .....	26	688.2	683.5	686.9	683.0	681.7	518.2	513.9	517.3	514.5	513.5
Paper mills .....	262	180.1	180.1	178.8	178.5	-	136.8	136.6	135.9	135.6	-
Paperboard mills .....	263	49.1	49.6	48.8	48.7	-	37.8	38.6	37.4	37.4	-
Paperboard containers and boxes .....	265	209.3	207.1	211.2	209.1	-	163.6	161.2	165.7	163.7	-
Corrugated and solid fiber boxes .....	2653	119.1	118.7	120.6	119.9	-	89.5	89.2	91.1	90.5	-
Sanitary food containers .....	2656	15.2	14.9	14.8	15.1	-	13.3	12.9	13.0	13.3	-
Folding paperboard boxes .....	2657	49.2	48.7	49.2	49.0	-	39.9	39.6	40.0	39.7	-
Misc. converted paper products .....	267	235.6	232.6	234.3	233.0	-	169.0	166.5	167.6	167.2	-
Paper, coated and laminated, nec .....	2672	45.0	44.8	44.8	44.6	-	21.7	21.6	21.4	21.3	-
Bags: plastics, laminated, and coated .....	2673	34.3	34.1	34.3	34.1	-	25.6	25.4	25.7	25.5	-
Envelopes .....	2677	25.0	25.0	25.0	25.2	-	19.2	19.3	19.3	19.3	-
Printing and publishing .....	27	1,520.6	1,525.9	1,528.7	1,517.6	1,516.8	840.5	844.0	847.8	839.9	837.0
Newspapers .....	271	453.0	453.0	456.9	451.4	-	158.0	158.2	160.2	156.4	-
Periodicals .....	272	123.7	124.4	124.4	124.1	-	43.1	44.3	43.5	42.2	-
Books .....	273	119.3	121.0	119.1	119.9	-	65.9	67.8	65.9	67.2	-
Book publishing .....	2731	83.7	84.6	83.2	83.7	-	36.7	37.7	36.2	37.3	-
Book printing .....	2732	35.5	36.4	35.9	36.2	-	29.2	30.1	29.7	29.9	-
Miscellaneous publishing .....	274	82.9	82.7	83.9	84.5	-	40.8	41.1	40.9	41.3	-
Commercial printing .....	275	537.9	539.1	541.4	536.4	-	388.7	388.0	393.3	389.1	-
Commercial printing, lithographic .....	2752	355.7	358.5	358.1	355.6	-	255.9	257.2	259.2	257.5	-
Commercial printing, nec .....	2759	163.7	162.4	164.9	162.6	-	117.9	116.1	119.1	116.7	-
Manifold business forms .....	276	48.3	49.3	48.2	47.9	-	33.4	34.3	33.5	33.6	-
Blankbooks and bookbinding .....	278	68.3	68.9	67.4	66.4	-	51.8	52.2	50.6	50.5	-
Printing trade services .....	279	60.9	60.7	61.9	61.1	-	44.2	44.1	45.0	44.6	-
Chemicals and allied products .....	28	1,070.9	1,067.6	1,066.8	1,062.5	1,063.3	564.6	566.0	557.9	557.0	558.7
Industrial inorganic chemicals .....	281	125.1	125.2	123.9	124.0	-	56.6	58.7	54.4	54.2	-
Industrial inorganic chemicals, nec .....	2819	79.9	79.6	79.2	79.3	-	37.7	38.7	36.5	36.5	-
Plastics materials and synthetics .....	282	173.2	175.0	170.6	169.3	-	104.3	106.2	101.9	101.7	-
Plastics materials and resins .....	2821	84.9	84.8	84.2	83.3	-	51.4	50.4	51.5	51.0	-
Organic fibers, noncellulosic .....	2824	59.8	61.8	57.7	57.6	-	34.5	37.8	31.4	31.3	-
Drugs .....	283	251.4	247.6	254.2	254.1	-	111.0	107.6	112.7	113.4	-
Pharmaceutical preparations .....	2834	209.5	206.0	211.8	212.2	-	95.0	91.7	96.6	97.0	-
Soap, cleaners, and toilet goods .....	284	157.7	155.5	158.2	156.9	-	95.9	94.6	95.0	94.6	-
Soap and other detergents .....	2841	43.9	43.6	44.5	44.1	-	27.5	27.7	27.3	27.0	-
Polishing, sanitation, and finishing preparations .....	2842.3	44.0	43.8	44.0	43.9	-	24.2	23.9	24.4	24.5	-
Toilet preparations .....	2844	69.8	68.1	69.7	68.9	-	44.2	43.0	43.3	43.1	-
Paints and allied products .....	285	57.0	56.2	56.9	56.2	-	29.7	28.8	29.7	29.3	-
Industrial organic chemicals .....	286	153.3	154.1	152.3	152.1	-	76.1	77.7	75.5	76.0	-
Cyclic crudes and intermediates .....	2865	27.0	27.1	26.6	26.8	-	15.6	15.8	15.4	15.5	-
Industrial organic chemicals, nec .....	2869	121.8	122.5	121.3	120.9	-	57.2	58.7	56.9	57.3	-
Agricultural chemicals .....	287	56.3	56.3	54.6	54.8	-	33.5	34.2	31.9	31.8	-
Miscellaneous chemical products .....	289	96.9	97.7	96.1	95.1	-	57.5	58.2	56.8	56.0	-
Petroleum and coal products .....	29	154.5	153.5	149.0	146.2	147.6	101.3	99.2	96.9	94.6	95.4
Petroleum refining .....	291	116.1	118.9	112.2	111.1	-	74.9	76.7	72.2	71.5	-
Asphalt paving and roofing materials .....	295	26.7	22.4	25.3	23.6	-	20.1	16.0	18.7	17.1	-
Rubber and misc. plastics products .....	30	878.5	865.4	883.8	880.8	882.4	677.8	666.4	682.7	680.5	683.2
Tires and inner tubes .....	301	83.0	81.5	84.7	85.0	-	62.0	60.7	64.2	64.6	-
Rubber and plastics footwear .....	302	10.5	11.2	9.8	9.9	-	8.7	9.0	8.4	8.5	-
Hose, belting, gaskets, and packing .....	305	58.7	57.7	59.0	58.9	-	43.2	42.1	43.4	43.8	-
Rubber and plastics hose and belting .....	3052	23.7	23.6	23.6	23.4	-	18.1	17.8	18.1	18.0	-
Fabricated rubber products, nec .....	306	99.8	100.0	99.5	99.1	-	74.8	75.2	74.7	74.4	-
Miscellaneous plastics products, nec .....	308	626.6	615.0	630.8	627.9	-	489.1	479.4	492.0	489.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Leather and leather products .....	31	123.0	122.3	120.7	118.8	119.5	99.5	99.1	97.2	95.0	95.8
Leather tanning and finishing .....	311	15.5	15.3	15.6	15.4	-	12.7	12.6	12.7	12.6	-
Footwear, except rubber .....	314	66.2	65.9	64.3	64.1	-	55.2	55.1	53.5	52.6	-
Men's footwear, except athletic .....	3143	29.7	29.5	30.0	29.9	-	23.7	23.8	23.8	23.3	-
Women's footwear, except athletic .....	3144	23.9	24.2	22.4	22.3	-	20.6	20.8	19.4	19.3	-
Luggage .....	316	10.0	10.4	9.9	9.7	-	7.1	7.2	7.2	7.0	-
Handbags and personal leather goods .....	317	13.6	13.2	13.2	12.2	-	10.0	9.7	9.5	8.6	-
<b>Transportation and public utilities .....</b>		<b>5,742</b>	<b>5,684</b>	<b>5,798</b>	<b>5,698</b>	<b>5,693</b>	<b>4,791</b>	<b>4,732</b>	<b>4,858</b>	<b>4,766</b>	<b>4,758</b>
Transportation .....		3,520	3,463	3,587	3,498	3,496	-	-	-	-	-
Railroad transportation .....	40	258.5	252.9	255.6	252.8	-	-	-	-	-	-
Class I railroads <sup>a</sup> .....	4011	222.4	222.1	218.8	216.4	-	-	-	-	-	-
Local and interurban passenger transit .....	41	358.3	365.7	377.9	374.6	-	328.8	335.7	347.7	344.4	-
Local and suburban transportation .....	411	157.4	156.3	158.7	157.7	-	143.3	142.5	144.5	143.2	-
Taxicabs .....	412	29.6	31.2	29.0	29.1	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	29.6	23.7	23.5	23.3	-	21.0	20.9	20.7	20.7	-
School buses .....	415	119.3	128.1	138.7	138.3	-	-	-	-	-	-
Trucking and warehousing .....	42	1,618.3	1,576.4	1,672.7	1,599.5	-	1,409.5	1,368.8	1,464.3	1,393.0	-
Trucking and courier services, except air .....	421	1,494.6	1,453.0	1,546.3	1,477.6	-	1,306.0	1,265.8	1,358.0	1,291.4	-
Public warehousing and storage .....	422	120.0	119.6	122.7	118.5	-	100.1	99.6	103.0	98.5	-
Water transportation .....	44	186.1	183.5	179.6	173.4	-	-	-	-	-	-
Water transportation of freight, nec .....	444	14.5	14.5	14.2	13.8	-	-	-	-	-	-
Water transportation services .....	449	120.2	119.9	116.1	112.3	-	107.2	106.8	103.2	99.5	-
Transportation by air .....	45	731.9	721.8	733.7	731.8	-	-	-	-	-	-
Air transportation, scheduled .....	451	602.5	594.2	603.0	600.8	-	-	-	-	-	-
Airports, flying fields, and services .....	458	100.7	100.2	102.7	102.6	-	-	-	-	-	-
Pipelines, except natural gas .....	46	18.9	19.1	18.4	18.2	-	14.3	14.3	14.0	13.8	-
Transportation services .....	47	348.1	343.4	349.0	348.0	-	274.2	271.7	274.1	273.0	-
Passenger transportation arrangement .....	472	187.8	183.6	187.6	187.4	-	146.9	143.9	146.2	146.1	-
Travel agencies .....	4724	148.5	146.1	147.3	148.4	-	115.8	114.1	113.9	114.8	-
Freight transportation arrangement .....	473	129.6	130.0	130.4	130.1	-	102.1	103.2	102.5	101.9	-
Communications and public utilities .....		2,222	2,221	2,211	2,200	2,197	-	-	-	-	-
Communications .....	48	1,262.3	1,261.1	1,260.9	1,252.2	-	969.3	965.1	975.5	969.8	-
Telephone communications .....	481	872.5	871.4	871.4	864.2	-	649.4	646.8	655.0	649.9	-
Radio and television broadcasting .....	483	225.6	226.4	225.2	224.1	-	187.9	188.1	188.0	187.5	-
Radio broadcasting stations .....	4832	114.4	114.9	113.7	113.0	-	-	-	-	-	-
Television broadcasting stations .....	4833	111.3	111.5	111.5	111.1	-	-	-	-	-	-
Cable and other pay television services .....	484	130.2	129.5	130.7	130.2	-	110.6	109.6	111.1	110.6	-
Electric, gas, and sanitary services .....	49	959.3	959.9	949.9	948.1	-	755.1	756.5	746.1	743.7	-
Electric services .....	491	443.2	445.4	435.4	434.8	-	343.2	344.7	337.4	337.7	-
Gas production and distribution .....	492	162.3	164.1	160.4	159.9	-	126.3	127.8	124.8	124.2	-
Combination utility services .....	493	193.8	194.0	192.3	191.7	-	150.4	151.5	147.1	145.7	-
Sanitary services .....	495	128.3	125.6	130.4	130.5	-	110.4	108.4	112.2	111.6	-
<b>Wholesale trade .....</b>		<b>5,983</b>	<b>5,957</b>	<b>5,976</b>	<b>5,935</b>	<b>5,934</b>	<b>4,806</b>	<b>4,764</b>	<b>4,812</b>	<b>4,775</b>	<b>4,774</b>
Durable goods .....	50	3,439	3,447	3,421	3,407	3,410	2,729	2,726	2,722	2,710	-
Motor vehicles, parts, and supplies .....	501	438.3	439.0	436.3	434.7	-	351.9	351.8	350.2	348.9	-
Automobiles and other motor vehicles .....	5012	109.8	111.2	109.8	109.3	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	260.4	260.6	258.7	258.0	-	-	-	-	-	-
Furniture and home furnishings .....	502	139.1	138.3	141.5	139.7	-	109.9	109.0	112.4	110.9	-
Furniture .....	5021	61.9	62.2	62.3	62.3	-	-	-	-	-	-
Home furnishings .....	5023	77.2	76.1	79.2	77.4	-	-	-	-	-	-
Lumber and other construction materials .....	503	211.1	204.6	212.9	210.7	-	169.9	163.6	172.6	170.8	-
Lumber, plywood, and millwork .....	5031	110.2	107.4	111.5	111.2	-	-	-	-	-	-
Construction materials, nec .....	5039	38.7	37.8	39.2	38.4	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Wholesale trade—Continued</b>											
<b>Durable goods—Continued</b>											
Professional and commercial equipment .....	504	747.1	761.1	731.1	729.5	-	602.8	613.5	589.6	587.8	-
Computers, peripherals and software .....	5045	281.6	293.8	266.4	264.7	-	-	-	-	-	-
Medical and hospital equipment .....	5047	141.2	139.4	144.5	145.6	-	115.9	113.9	119.0	120.1	-
Metals and minerals, except petroleum .....	505	130.0	129.7	129.6	129.6	-	102.8	102.0	103.0	102.9	-
Electrical goods .....	506	467.1	468.4	468.6	469.2	-	357.6	355.0	362.7	363.5	-
Electrical apparatus and equipment .....	5063	194.5	195.1	196.0	196.7	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	52.6	53.7	52.3	53.2	-	-	-	-	-	-
Electronic parts and equipment .....	5065	220.0	219.6	220.3	219.3	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	265.0	264.5	265.2	263.5	-	210.9	209.7	211.5	210.5	-
Hardware .....	5072	90.5	90.3	90.5	89.8	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	109.2	109.4	109.1	108.9	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	753.8	755.6	746.7	744.1	-	593.9	594.5	587.7	585.3	-
Construction and mining machinery .....	5082	72.7	73.0	72.2	72.0	-	-	-	-	-	-
Farm and garden machinery .....	5083	113.7	111.3	110.9	110.2	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	304.9	308.5	302.7	301.9	-	-	-	-	-	-
Industrial supplies .....	5085	143.1	143.7	142.8	141.7	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	287.7	285.6	288.9	286.1	-	229.6	226.7	231.8	229.0	-
Scrap and waste materials .....	5093	104.2	104.0	103.9	102.8	-	-	-	-	-	-
<b>Nondurable goods .....</b>	<b>51</b>	<b>2,544</b>	<b>2,510</b>	<b>2,555</b>	<b>2,528</b>	<b>2,524</b>	<b>2,077</b>	<b>2,038</b>	<b>2,090</b>	<b>2,065</b>	<b>-</b>
Paper and paper products .....	511	241.0	241.7	241.4	243.8	-	194.7	194.8	194.6	197.1	-
Drugs, proprietaries, and sundries .....	512	189.3	186.9	193.3	192.7	-	157.8	156.0	161.1	160.1	-
Apparel, piece goods, and notions .....	513	198.4	195.7	199.7	199.3	-	156.3	152.9	158.5	157.9	-
Groceries and related products .....	514	848.9	834.3	855.5	842.8	-	712.2	696.1	719.1	707.7	-
Groceries, general line .....	5141	269.9	269.2	271.7	269.2	-	-	-	-	-	-
Meats and meat products .....	5147	61.5	60.8	63.3	62.5	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	97.0	91.0	93.6	91.2	-	-	-	-	-	-
Farm-product raw materials .....	515	115.5	114.2	116.4	113.4	-	94.6	93.6	95.2	92.1	-
Chemicals and allied products .....	516	127.2	130.3	125.6	124.8	-	95.2	96.1	94.9	94.7	-
Petroleum and petroleum products .....	517	183.6	185.7	181.7	180.7	-	147.3	148.8	146.0	145.1	-
Petroleum bulk stations and terminals .....	5171	78.0	78.8	77.1	76.3	-	-	-	-	-	-
Petroleum products, nec .....	5172	105.6	106.9	104.6	104.4	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	149.6	146.2	151.3	148.5	-	121.4	118.3	123.2	121.1	-
Beer and ale .....	5181	97.1	93.9	98.1	96.4	-	-	-	-	-	-
Wine and distilled beverages .....	5182	52.5	52.3	53.2	52.1	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	490.4	474.9	489.7	482.1	-	397.3	381.8	397.5	388.9	-
Farm supplies .....	5191	157.1	149.7	151.4	151.4	-	-	-	-	-	-
<b>Retail trade .....</b>	<b>52</b>	<b>19,138</b>	<b>18,834</b>	<b>19,737</b>	<b>18,933</b>	<b>18,849</b>	<b>16,844</b>	<b>16,544</b>	<b>17,435</b>	<b>16,644</b>	<b>16,552</b>
<b>Building materials and garden supplies .....</b>	<b>52</b>	<b>756.7</b>	<b>707.9</b>	<b>753.1</b>	<b>724.9</b>	<b>-</b>	<b>623.2</b>	<b>577.5</b>	<b>619.3</b>	<b>594.3</b>	<b>-</b>
Lumber and other building materials .....	521	425.6	400.3	422.8	413.8	-	357.1	333.0	354.3	346.3	-
Hardware stores .....	525	158.1	153.2	160.1	156.0	-	129.3	124.9	130.5	127.6	-
Retail nurseries and garden stores .....	526	78.8	63.4	76.6	63.4	-	63.8	49.4	61.8	49.2	-
<b>General merchandise stores .....</b>	<b>53</b>	<b>2,309.2</b>	<b>2,397.7</b>	<b>2,503.6</b>	<b>2,286.9</b>	<b>2,201.1</b>	<b>2,157.5</b>	<b>2,241.7</b>	<b>2,350.6</b>	<b>2,137.1</b>	<b>-</b>
Department stores .....	531	1,933.7	2,017.6	2,089.4	1,914.1	-	1,822.7	1,903.9	1,977.6	1,805.3	-
Variety stores .....	533	162.4	162.0	176.9	162.8	-	146.4	145.7	160.7	146.3	-
Miscellaneous general merchandise stores .....	539	213.1	218.1	237.3	210.0	-	188.4	192.1	212.3	185.5	-
<b>Food stores .....</b>	<b>54</b>	<b>3,177.5</b>	<b>3,166.3</b>	<b>3,231.6</b>	<b>3,161.5</b>	<b>3,149.2</b>	<b>2,899.4</b>	<b>2,890.1</b>	<b>2,951.8</b>	<b>2,883.3</b>	<b>-</b>
Grocery stores .....	541	2,829.1	2,832.5	2,847.6	2,812.9	-	2,597.3	2,600.5	2,616.0	2,581.1	-
Meat and fish markets .....	542	51.9	50.2	57.2	53.0	-	-	-	-	-	-
Dairy products stores .....	545	21.9	21.2	23.9	20.1	-	-	-	-	-	-
Retail bakeries .....	546	168.3	163.6	176.3	170.7	-	150.4	146.6	157.3	152.1	-
<b>Automotive dealers and service stations .....</b>	<b>55</b>	<b>2,011.2</b>	<b>1,968.4</b>	<b>2,021.8</b>	<b>2,012.8</b>	<b>2,016.3</b>	<b>1,669.9</b>	<b>1,629.9</b>	<b>1,677.5</b>	<b>1,668.5</b>	<b>-</b>
New and used car dealers .....	551	900.9	881.3	918.0	921.5	-	747.1	728.7	762.5	765.9	-
Auto and home supply stores .....	553	341.7	333.5	343.3	339.3	-	270.4	262.9	270.9	267.1	-
Gasoline service stations .....	554	616.3	612.4	612.2	605.0	-	531.6	527.4	527.2	520.1	-
Automotive dealers, nec .....	559	8.7	8.7	8.5	8.4	-	7.3	7.2	7.1	7.0	-
<b>Apparel and accessory stores .....</b>	<b>56</b>	<b>1,133.8</b>	<b>1,146.8</b>	<b>1,227.8</b>	<b>1,135.1</b>	<b>-</b>	<b>936.9</b>	<b>943.5</b>	<b>1,034.5</b>	<b>942.4</b>	<b>-</b>
Men's and boys' clothing stores .....	561	88.5	93.0	93.8	87.7	-	72.3	76.2	77.3	71.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>2</sup>	Feb. 1993 <sup>2</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>2</sup>	Feb. 1993 <sup>2</sup>
<b>Retail trade—Continued</b>											
Apparel and accessory stores—Continued											
Women's clothing stores .....	562	376.1	377.9	407.4	378.9	-	309.8	310.7	342.0	311.6	-
Family clothing stores .....	565	299.4	301.2	342.3	307.7	-	258.1	258.2	300.6	266.8	-
Shoe stores .....	566	207.5	209.2	211.9	201.5	-	182.2	160.1	169.5	160.2	-
Furniture and home furnishings stores											
Furniture and home furnishings stores .....	571	442.6	436.6	456.0	448.5	-	358.5	352.5	371.4	364.4	-
Furniture stores .....	5712	267.4	264.3	274.9	272.6	-	-	-	-	-	-
Household appliance stores .....	572	68.8	72.5	68.6	67.1	-	55.9	59.0	56.4	55.0	-
Radio, television, and computer stores .....	573	286.4	292.3	312.2	299.2	-	234.6	239.4	257.3	244.4	-
Radio, television, and electronic stores .....	5731	118.7	121.8	126.0	120.9	-	97.8	101.6	104.8	99.8	-
Record and prerecorded tape stores .....	5735	65.1	66.2	79.0	70.4	-	53.3	54.8	66.3	58.0	-
Eating and drinking places .....	58	6,485.1	6,167.8	6,533.3	6,323.2	6,388.8	5,862.3	5,551.3	5,906.9	5,703.2	-
Miscellaneous retail establishments .....	59	2,464.7	2,477.4	2,629.4	2,473.3	-	2,046.0	2,058.8	2,209.6	2,051.3	-
Drug stores and proprietary stores .....	591	613.0	617.3	625.8	616.9	-	508.6	514.1	521.1	512.5	-
Liquor stores .....	592	118.3	115.7	121.4	117.6	-	-	-	-	-	-
Used merchandise stores .....	593	74.4	74.0	75.5	74.7	-	62.5	62.0	63.2	62.5	-
Miscellaneous shopping goods stores .....	594	882.8	889.7	1,001.4	892.5	-	732.2	738.3	849.8	738.5	-
Sporting goods and bicycle shops .....	5941	160.7	158.6	177.1	165.0	-	-	-	-	-	-
Book stores .....	5942	97.4	101.2	101.5	100.6	-	-	-	-	-	-
Stationery stores .....	5943	76.0	77.6	77.5	76.6	-	-	-	-	-	-
Jewelry stores .....	5944	135.2	143.2	151.6	143.8	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	193.2	184.0	204.9	185.0	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	64.7	66.6	66.1	63.4	-	-	-	-	-	-
Nonstore retailers .....	596	256.7	267.9	273.5	253.1	-	220.3	230.9	237.8	217.6	-
Catalog and mail-order houses .....	5961	142.0	149.4	160.7	142.7	-	-	-	-	-	-
Merchandising machine operators .....	5962	70.9	72.7	69.6	68.7	-	-	-	-	-	-
Fuel dealers .....	598	100.4	104.8	103.9	104.6	-	83.0	87.0	86.1	86.8	-
Retail stores, nec .....	599	419.1	408.0	427.9	413.9	-	344.1	333.1	353.1	338.9	-
<b>Finance, insurance, and real estate<sup>3</sup></b> .....		<b>6,672</b>	<b>6,608</b>	<b>6,662</b>	<b>6,627</b>	<b>6,623</b>	<b>4,822</b>	<b>4,759</b>	<b>4,821</b>	<b>4,796</b>	<b>4,796</b>
Finance											
Depository institutions .....	60	2,168.3	2,163.7	2,169.5	2,169.5	-	1,568.5	1,563.4	1,570.3	1,570.7	-
Commercial banks .....	602	1,518.0	1,519.9	1,513.5	1,512.9	-	1,079.1	1,078.7	1,075.7	1,075.4	-
State commercial banks .....	6022	642.6	640.8	643.2	644.7	-	-	-	-	-	-
Savings institutions .....	603	393.9	390.5	397.1	397.6	-	-	-	-	-	-
Federal savings institutions .....	6035	206.3	205.0	206.5	206.8	-	-	-	-	-	-
Savings institutions, except federal .....	6036	187.7	185.5	190.6	190.8	-	-	-	-	-	-
Credit unions .....	606	140.1	137.8	142.9	143.7	-	111.1	109.5	113.4	113.9	-
Nondepository institutions .....	61	392.9	385.9	399.8	398.3	-	293.1	284.9	300.9	300.2	-
Personal credit institutions .....	614	127.7	129.4	128.3	126.6	-	95.2	97.2	95.9	94.7	-
Business credit institutions .....	615	84.8	85.8	83.8	83.8	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	167.7	158.2	174.7	174.9	-	-	-	-	-	-
Security and commodity brokers .....	62	438.0	423.5	446.5	447.7	-	-	-	-	-	-
Security brokers and dealers .....	621	331.8	318.8	339.9	341.3	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	21.2	21.7	20.7	20.8	-	-	-	-	-	-
Security and commodity services .....	628	85.0	83.0	85.9	85.6	-	55.1	53.7	55.4	54.8	-
Holding and other investment offices .....	67	232.5	224.6	235.6	233.4	-	-	-	-	-	-
Holding offices .....	671	108.3	107.9	107.8	107.7	-	-	-	-	-	-
Insurance .....	63,64	2,139	2,152	2,122	2,116	2,115	-	-	-	-	-
Insurance carriers .....	63	1,480.0	1,486.8	1,467.3	1,462.6	-	999.9	997.6	1,000.5	998.8	-
Life insurance .....	631	554.0	561.2	542.4	541.3	-	335.6	335.9	334.5	333.8	-
Medical service and health insurance .....	632	261.7	260.2	263.9	263.2	-	213.4	211.9	216.3	216.0	-
Fire, marine, and casualty insurance .....	633	548.7	553.3	543.1	541.1	-	357.2	360.1	353.3	353.4	-
Title insurance .....	636	59.1	56.2	60.9	60.3	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	659.0	664.7	654.7	653.4	-	-	-	-	-	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Real estate .....	65	1,301	1,258	1,289	1,262	1,260	-	-	-	-	-
Real estate operators and lessors .....	651	568.9	548.1	573.7	554.9	-	-	-	-	-	
Real estate agents and managers .....	653	569.8	555.9	561.3	555.4	-	-	-	-	-	
Subdividers and developers .....	655	130.4	123.2	121.1	118.5	-	-	-	-	-	
<b>Services .....</b>		<b>28,903</b>	<b>28,114</b>	<b>29,165</b>	<b>28,762</b>	<b>29,097</b>	<b>25,240</b>	<b>24,503</b>	<b>25,474</b>	<b>25,095</b>	<b>25,400</b>
Agricultural services .....	07	482.8	406.6	439.7	402.9	-	401.9	329.5	360.9	327.3	-
Hotels and other lodging places .....	70	1,597.0	1,503.4	1,551.0	1,519.7	-	-	-	-	-	-
Hotels and motels .....	701	1,547.0	1,467.0	1,514.5	1,483.7	-	1,366.3	1,289.2	1,333.7	1,303.7	-
Personal services .....	72	1,107.2	1,147.1	1,097.3	1,123.6	-	-	-	-	-	-
Laundry, cleaning, and garment services .....	721	414.1	410.8	417.8	414.3	-	365.2	362.2	369.0	365.2	-
Photographic studios, portrait .....	722	75.9	69.2	85.7	75.7	-	-	-	-	-	-
Beauty shops .....	723	384.5	385.8	388.4	384.6	-	344.3	346.3	347.9	343.4	-
Funeral service and crematories .....	726	84.8	84.5	85.4	85.2	-	-	-	-	-	-
Miscellaneous personal services .....	729	129.0	177.1	101.3	145.5	-	113.7	164.9	85.4	131.0	-
Business services .....	73	5,289.9	5,026.0	5,479.6	5,329.5	5,363.3	4,667.7	4,409.7	4,852.4	4,714.4	-
Advertising .....	731	231.6	230.8	232.2	231.2	-	164.3	163.7	165.7	165.6	-
Advertising agencies .....	7311	159.0	156.6	159.1	157.9	-	-	-	-	-	-
Credit reporting and collection .....	732	108.4	107.0	110.6	110.5	-	-	-	-	-	-
Mailing, reproduction, and stenographic services .....	733	240.2	238.3	250.1	248.3	-	-	-	-	-	-
Photocopying and duplicating services .....	7334	48.5	47.0	49.4	49.8	-	39.8	38.6	40.7	40.9	-
Services to buildings .....	734	787.1	771.8	782.2	776.6	-	705.2	693.0	702.2	697.5	-
Miscellaneous equipment rental and leasing .....	735	198.8	192.6	198.9	198.2	-	159.1	152.7	159.0	158.6	-
Heavy construction equipment rental .....	7353	40.7	39.4	41.3	40.0	-	34.0	32.3	34.7	33.5	-
Personnel supply services .....	736	1,664.6	1,458.4	1,805.6	1,684.3	-	-	-	-	-	-
Employment agencies .....	7361	223.1	208.5	235.6	228.2	-	-	-	-	-	-
Help supply services .....	7363	1,441.5	1,249.9	1,570.0	1,456.1	-	1,395.0	1,205.0	1,520.6	1,407.7	-
Computer and data processing services .....	737	816.6	805.7	830.0	834.1	-	654.0	644.3	666.1	677.1	-
Computer programming services .....	7371	158.4	156.1	161.8	160.9	-	128.2	125.8	132.4	132.9	-
Prepackaged software .....	7372	133.6	130.9	135.5	139.5	-	-	-	-	-	-
Computer integrated systems design .....	7373	105.1	103.1	106.0	108.5	-	80.8	80.1	80.5	82.6	-
Data processing and preparation .....	7374	197.7	195.1	202.3	200.5	-	-	-	-	-	-
Information retrieval services .....	7375	47.5	46.4	48.8	49.0	-	37.5	36.7	38.6	39.6	-
Computer maintenance and repair .....	7378	40.9	41.5	40.3	40.3	-	34.9	35.1	34.3	34.3	-
Miscellaneous business services .....	738	1,242.7	1,223.6	1,270.0	1,246.3	-	1,097.2	1,078.8	1,121.1	1,099.1	-
Detective and armored car services .....	7381	478.4	487.0	491.9	482.2	-	446.8	436.2	459.4	450.0	-
Security systems services .....	7382	38.2	38.5	38.3	38.2	-	32.4	32.6	32.7	32.6	-
Photofinishing laboratories .....	7384	75.8	74.8	79.2	72.8	-	-	-	-	-	-
Auto repair, services, and parking .....	75	877.5	868.5	878.0	878.1	-	719.1	711.4	718.5	719.5	-
Automotive rentals, without drivers .....	751	161.9	158.7	163.8	163.9	-	-	-	-	-	-
Automobile parking .....	752	60.6	60.0	61.5	60.1	-	54.1	53.7	54.8	53.7	-
Automotive repair shops .....	753	491.4	489.6	489.9	491.4	-	396.5	395.9	394.9	396.5	-
Miscellaneous repair services .....	76	330.1	327.7	326.2	325.0	-	268.7	265.6	266.3	264.6	-
Electrical repair shops .....	762	109.3	108.6	108.0	107.9	-	-	-	-	-	-
Motion pictures .....	78	394.8	393.2	408.8	402.7	-	323.4	322.0	336.3	332.0	-
Motion picture production and services .....	781	149.8	143.2	164.5	162.7	-	117.7	111.6	130.0	129.4	-
Motion picture theaters .....	783	104.3	104.9	101.7	99.7	-	-	-	-	-	-
Amusement and recreation services .....	79	1,116.0	998.8	1,016.7	982.9	-	979.5	870.7	880.8	848.0	-
Bowling centers .....	793	88.3	94.8	95.1	95.1	-	78.9	85.2	85.5	85.4	-
Misc. amusement and recreation services .....	799	780.7	674.6	677.1	658.9	-	688.5	586.4	587.4	570.2	-
Physical fitness facilities .....	7991	117.6	118.4	116.0	117.6	-	104.6	104.7	102.9	105.0	-
Membership sports and recreation clubs .....	7997	283.3	226.7	254.0	228.7	-	247.4	194.0	219.1	194.6	-
Health services .....	80	8,464.3	8,334.9	8,580.0	8,573.8	8,601.0	7,524.5	7,408.2	7,622.2	7,613.4	-
Offices and clinics of medical doctors .....	801	1,441.1	1,417.4	1,465.7	1,460.6	-	1,183.0	1,164.6	1,200.3	1,194.3	-
Offices and clinics of dentists .....	802	537.7	533.5	542.0	540.9	-	470.7	466.7	474.9	474.2	-
Offices and clinics of other health practitioners .....	804	310.2	306.3	315.4	311.2	-	253.9	252.0	256.7	253.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Services—Continued</b>											
<b>Health services—Continued</b>											
Nursing and personal care facilities .....	805	1,556.0	1,532.3	1,578.1	1,576.4	-	1,405.6	1,382.8	1,425.3	1,422.8	-
Skilled nursing care facilities .....	8051	1,113.9	1,097.0	1,129.8	1,128.1	-	-	-	-	-	-
Intermediate care facilities .....	8052	219.2	216.1	222.2	222.5	-	197.3	194.1	200.2	200.3	-
Nursing and personal care, nec .....	8059	223.0	219.2	226.1	225.8	-	-	-	-	-	-
Hospitals .....	806	3,755.6	3,717.8	3,783.3	3,786.5	-	3,447.4	3,411.7	3,473.4	3,474.8	-
General medical and surgical hospitals .....	8062	3,455.2	3,419.1	3,481.0	3,484.0	-	-	-	-	-	-
Psychiatric hospitals .....	8063	100.0	102.0	99.0	98.5	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric .....	8069	200.5	196.7	203.3	204.0	-	-	-	-	-	-
Medical and dental laboratories .....	807	177.7	175.1	180.2	180.5	-	-	-	-	-	-
Home health care services .....	808	385.8	362.0	406.2	407.4	-	357.3	335.0	375.4	376.7	-
Legal services .....	81	905.6	902.8	904.1	901.9	-	732.6	733.2	729.2	727.3	-
Educational services .....	82	1,716.2	1,701.9	1,822.4	1,703.2	-	-	-	-	-	-
Elementary and secondary schools .....	821	494.1	501.4	510.4	507.9	-	-	-	-	-	-
Colleges and universities .....	622	1,021.5	1,007.0	1,112.1	1,001.0	-	-	-	-	-	-
Vocational schools .....	824	79.8	79.4	79.0	76.2	-	-	-	-	-	-
Social services .....	83	1,949.8	1,893.3	2,007.6	2,000.3	-	-	-	-	-	-
Individual and family services .....	832	524.8	509.0	538.7	537.6	-	-	-	-	-	-
Job training and related services .....	833	260.3	246.3	263.0	259.1	-	-	-	-	-	-
Child day care services .....	835	449.0	438.4	477.3	474.3	-	397.6	387.9	422.8	419.6	-
Residential care .....	836	532.2	518.8	545.3	546.4	-	-	-	-	-	-
Museums and botanical and zoological gardens .....	84	70.0	63.9	69.0	65.2	-	-	-	-	-	-
Membership organizations .....	86	2,005.1	1,976.7	1,992.2	1,971.7	-	-	-	-	-	-
Business associations .....	861	99.0	97.1	97.9	97.1	-	-	-	-	-	-
Professional organizations .....	862	54.0	54.0	54.6	54.3	-	38.7	39.0	39.0	38.6	-
Labor organizations .....	863	125.1	131.3	119.3	114.5	-	-	-	-	-	-
Civic and social associations .....	864	427.1	400.5	422.5	409.0	-	-	-	-	-	-
Engineering and management services .....	87	2,431.3	2,404.2	2,426.8	2,415.4	-	1,849.5	1,825.8	1,844.3	1,837.5	-
Engineering and architectural services .....	871	735.9	729.1	734.9	731.6	-	602.0	596.2	600.3	596.9	-
Engineering services .....	8711	576.6	570.5	577.5	574.9	-	476.2	471.8	475.6	472.9	-
Architectural services .....	8712	114.9	115.3	113.2	113.0	-	89.3	89.5	88.2	88.0	-
Surveying services .....	8713	44.4	43.3	44.2	43.7	-	36.5	34.9	36.5	36.0	-
Accounting, auditing, and bookkeeping .....	872	514.6	519.7	507.1	510.8	-	375.9	385.0	364.6	371.0	-
Research and testing services .....	873	559.2	551.0	562.1	555.2	-	413.6	403.2	418.4	412.6	-
Commercial physical research .....	8731	243.8	244.0	240.9	240.9	-	-	-	-	-	-
Noncommercial research organizations .....	8733	141.8	137.8	142.6	140.0	-	-	-	-	-	-
Management and public relations .....	874	621.5	604.4	622.7	617.8	-	458.0	441.4	461.0	457.0	-
Public relations services .....	8743	29.0	29.2	28.3	28.0	-	20.8	21.0	20.6	19.7	-
Services, nec .....	89	38.3	38.0	37.9	38.5	-	29.8	29.7	29.6	30.2	-
<b>Government</b> .....		<b>18,579</b>	<b>18,423</b>	<b>18,988</b>	<b>18,604</b>	<b>18,932</b>	-	-	-	-	-
<b>Federal Government<sup>f</sup></b> .....		<b>2,969</b>	<b>2,959</b>	<b>2,965</b>	<b>2,903</b>	<b>2,900</b>	-	-	-	-	-
Executive, by agency <sup>f</sup> .....		<b>2,902.8</b>	<b>2,893.8</b>	<b>2,899.1</b>	-	-	-	-	-	-	-
Department of Defense .....		917.0	920.5	902.7	-	-	-	-	-	-	-
Postal Service <sup>g</sup> .....		792.0	800.4	815.9	-	-	-	-	-	-	-
Other executive agencies .....		1,193.8	1,172.9	1,180.5	-	-	-	-	-	-	-
Legislative .....		39.0	38.6	38.4	-	-	-	-	-	-	-
Judicial .....		27.2	26.1	27.8	-	-	-	-	-	-	-
<b>Federal Government, by industry:</b>											
Manufacturing activities .....		102.3	104.1	99.8	99.0	-	-	-	-	-	-
Ship building and repairing .....	3731	58.5	59.6	57.0	56.5	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		29.4	29.9	29.0	28.9	-	-	-	-	-	-
Services .....		399.5	394.2	397.3	396.3	-	-	-	-	-	-
Hospitals .....	806	238.7	237.3	240.0	239.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>2</sup>	Feb. 1993 <sup>2</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>2</sup>	Feb. 1993 <sup>2</sup>
<b>Government—Continued</b>											
State government .....		4,371	4,303	4,472	4,356	4,495	-	-	-	-	-
Hospitals .....	806	411.3	411.4	410.2	409.5	-	-	-	-	-	
Education .....	82	1,784.5	1,754.2	1,902.4	1,782.5	-	-	-	-	-	
General administration, including executive, legislative, and judicial functions .....		1,684.6	1,656.6	1,674.7	1,681.2	-	-	-	-	-	
Local government .....		11,239	11,161	11,551	11,345	11,537	-	-	-	-	
Transportation and public utilities .....		440.6	439.9	437.6	437.5	-	-	-	-	-	
Hospitals .....	806	688.3	674.1	700.7	701.2	-	-	-	-	-	
Education .....	82	6,187.6	6,279.3	6,568.6	6,397.5	-	-	-	-	-	
General administration, including executive, legislative, and judicial functions .....		3,541.4	3,421.3	3,478.1	3,447.1	-	-	-	-	-	

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

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

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

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

the National Security Agency.

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

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1991 forward are subject to revision.

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	Avg. 1992	Dec. 1991	Oct. 1992	Nov. 1992	Dec. 1992
<b>Total</b> .....	52,290	52,770	52,776	53,085	53,181
<b>Total private</b> .....	42,284	42,633	42,540	42,677	42,850
<b>Goods-producing</b> .....	6,613	6,691	6,619	6,595	6,560
<b>Mining</b> .....	92	95	90	90	89
<b>Construction</b> .....	526	527	532	527	520
<b>Manufacturing</b> .....	5,995	6,069	5,997	5,978	5,951
<b>Durable goods</b> .....	2,756	2,807	2,742	2,738	2,730
Lumber and wood products .....	112	109	113	113	113
Furniture and fixtures .....	142	145	142	142	142
Stone, clay, and glass products .....	105	105	106	105	104
Primary metal industries .....	94	96	93	92	93
Fabricated metal products .....	295	299	295	294	295
Industrial machinery and equipment .....	425	429	422	423	424
Electronic and other electrical equipment .....	656	671	653	653	651
Transportation equipment .....	371	385	364	364	364
Instruments and related products .....	390	400	384	383	380
Miscellaneous manufacturing .....	167	169	171	169	165
<b>Nondurable goods</b> .....	3,239	3,262	3,255	3,240	3,221
Food and kindred products .....	540	536	557	542	530
Tobacco products .....	17	18	18	16	18
Textile mill products .....	326	328	324	325	323
Apparel and other textile products .....	794	808	792	789	782
Paper and allied products .....	168	167	168	168	168
Printing and publishing .....	670	677	668	673	676
Chemicals and allied products .....	332	329	333	333	333
Petroleum and coal products .....	25	26	25	24	24
Rubber and misc. plastics products .....	300	303	301	300	300
Leather and leather products .....	69	71	70	69	67
<b>Service-producing</b> .....	45,677	46,079	46,157	46,490	46,621
<b>Transportation and public utilities</b> .....	1,690	1,703	1,703	1,703	1,705
<b>Wholesale trade</b> .....	1,833	1,861	1,838	1,843	1,836
<b>Retail trade</b> .....	10,152	10,605	10,155	10,334	10,525
<b>Finance, insurance, and real estate</b> .....	4,232	4,225	4,219	4,217	4,225
<b>Services</b> .....	17,765	17,548	18,006	17,985	17,999
<b>Government</b> .....	10,006	10,137	10,236	10,408	10,331
Federal .....	1,226	1,229	1,213	1,214	1,228
State .....	2,185	2,211	2,241	2,255	2,240
Local .....	6,595	6,697	6,782	6,939	6,863

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1991 forward are subject to revision.



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1991	1992											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Total</b> .....	52,049	52,055	52,075	52,093	52,216	52,271	52,283	52,464	52,399	52,370	52,412	52,434	52,459
<b>Total private</b> .....	42,160	42,159	42,171	42,159	42,253	42,305	42,294	42,384	42,312	42,308	42,370	42,329	42,377
<b>Goods-producing</b> .....	6,681	6,665	6,656	6,658	6,651	6,648	6,628	6,642	6,587	6,568	6,549	6,552	6,549
<b>Mining</b> .....	96	95	94	95	94	93	92	91	90	90	90	91	90
<b>Construction</b> .....	529	527	527	528	527	527	526	525	525	525	524	525	522
<b>Manufacturing</b> .....	6,056	6,043	6,035	6,035	6,030	6,028	6,010	6,026	5,972	5,953	5,935	5,936	5,937
<b>Durable goods</b> .....	2,800	2,791	2,784	2,783	2,776	2,771	2,763	2,759	2,739	2,734	2,723	2,721	2,721
Lumber and wood products .....	110	110	111	111	111	112	111	110	111	112	112	114	113
Furniture and fixtures .....	143	143	143	143	143	142	143	143	141	140	140	140	140
Stone, clay, and glass products .....	105	105	105	105	105	105	106	106	105	104	105	104	104
Primary metal industries .....	96	95	95	95	94	95	95	95	94	93	92	92	93
Fabricated metal products .....	297	297	297	297	297	297	296	295	294	293	292	291	293
Industrial machinery and equipment .....	428	429	426	427	427	428	426	426	422	424	422	423	423
Electronic and other electrical equipment .....	668	666	663	662	660	658	656	654	651	651	649	649	648
Transportation equipment .....	384	379	379	379	376	373	372	370	368	365	363	361	363
Instruments and related products .....	399	398	397	396	394	392	390	390	387	386	383	382	379
Miscellaneous manufacturing .....	170	169	168	168	169	169	168	170	166	166	165	165	165
<b>Nondurable goods</b> .....	3,256	3,252	3,251	3,252	3,254	3,257	3,247	3,267	3,233	3,219	3,212	3,215	3,216
Food and kindred products .....	540	542	541	542	545	546	542	550	542	530	532	535	535
Tobacco products .....	16	17	16	17	17	16	16	16	17	17	17	15	17
Textile mill products .....	328	327	328	328	328	326	327	327	324	324	321	323	324
Apparel and other textile products .....	804	801	802	803	799	801	798	807	789	784	782	781	778
Paper and allied products .....	167	167	167	167	168	169	168	167	167	168	167	167	168
Printing and publishing .....	673	671	669	669	670	672	669	671	668	671	669	670	671
Chemicals and allied products .....	329	330	330	330	331	331	332	332	332	332	333	333	333
Petroleum and coal products .....	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Rubber and misc. plastics products .....	302	301	302	301	300	301	302	302	300	299	298	299	299
Leather and leather products .....	71	70	70	69	70	69	68	70	69	69	68	68	67
<b>Service-producing</b> .....	45,368	45,390	45,419	45,435	45,565	45,623	45,655	45,822	45,812	45,802	45,836	45,893	45,887
<b>Transportation and public utilities</b> .....	1,689	1,683	1,687	1,689	1,688	1,692	1,693	1,694	1,692	1,692	1,689	1,689	1,691
<b>Wholesale trade</b> .....	1,846	1,843	1,842	1,839	1,837	1,838	1,841	1,830	1,825	1,824	1,823	1,827	1,821
<b>Retail trade</b> .....	10,177	10,182	10,195	10,168	10,199	10,189	10,170	10,179	10,142	10,116	10,125	10,082	10,110
<b>Finance, insurance, and real estate</b> .....	4,226	4,227	4,234	4,238	4,236	4,239	4,235	4,228	4,224	4,234	4,232	4,230	4,225
<b>Services</b> .....	17,541	17,559	17,557	17,567	17,642	17,699	17,727	17,811	17,842	17,874	17,952	17,949	17,981
<b>Government</b> .....	9,889	9,896	9,904	9,934	9,963	9,966	9,989	10,080	10,087	10,062	10,042	10,105	10,082
Federal .....	1,230	1,229	1,232	1,236	1,237	1,235	1,228	1,217	1,217	1,222	1,213	1,218	1,229
State .....	2,166	2,169	2,169	2,170	2,177	2,182	2,192	2,201	2,191	2,201	2,193	2,189	2,196
Local .....	6,493	6,498	6,503	6,528	6,549	6,549	6,569	6,662	6,679	6,639	6,636	6,698	6,657

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

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>
<b>Total private</b> .....	72,561	72,592	72,777	72,887	72,859	72,918	72,766	72,810	72,953	72,966	73,105	73,244	73,551
<b>Goods-producing</b> .....	16,348	16,373	16,383	16,407	16,347	16,348	16,262	16,209	16,207	16,225	16,228	16,251	16,332
<b>Mining</b> .....	462	461	457	452	449	447	444	440	443	442	439	438	423
<b>Construction</b> .....	3,487	3,506	3,514	3,545	3,520	3,509	3,511	3,499	3,529	3,509	3,505	3,477	3,571
<b>Manufacturing</b> .....	12,399	12,406	12,412	12,410	12,378	12,392	12,307	12,270	12,235	12,274	12,284	12,336	12,338
<b>Durable goods</b> .....	6,906	6,909	6,903	6,896	6,876	6,867	6,828	6,809	6,789	6,819	6,822	6,863	6,861
Lumber and wood products .....	563	565	565	564	560	560	558	559	565	571	573	571	579
Furniture and fixtures .....	365	367	369	369	370	372	366	363	364	363	365	366	368
Stone, clay, and glass products .....	399	400	403	404	404	403	402	402	400	400	401	399	405
Primary metal industries .....	536	535	535	533	532	532	531	529	527	526	526	527	528
Blast furnaces and basic steel products .....	195	194	194	193	192	191	190	191	189	188	186	186	186
Fabricated metal products .....	984	984	985	985	981	979	979	975	970	974	971	981	984
Industrial machinery and equipment .....	1,162	1,161	1,165	1,172	1,169	1,164	1,161	1,166	1,160	1,165	1,165	1,166	1,165
Electronic and other electrical equipment .....	988	988	986	988	986	983	977	977	976	980	981	979	985
Transportation equipment .....	1,173	1,173	1,164	1,149	1,146	1,144	1,135	1,120	1,111	1,127	1,129	1,164	1,135
Motor vehicles and equipment .....	630	630	628	618	617	622	619	607	608	626	631	678	649
Instruments and related products .....	471	470	465	465	463	463	458	456	455	451	449	450	450
Miscellaneous manufacturing .....	265	266	266	267	265	267	261	262	261	262	262	260	262
<b>Nondurable goods</b> .....	5,493	5,497	5,509	5,514	5,502	5,525	5,479	5,461	5,446	5,455	5,462	5,473	5,477
Food and kindred products .....	1,210	1,211	1,222	1,221	1,218	1,229	1,216	1,204	1,205	1,211	1,212	1,218	1,221
Tobacco products .....	37	37	37	37	37	37	39	37	37	35	37	37	36
Textile mill products .....	584	586	585	583	582	583	578	580	573	577	579	577	578
Apparel and other textile products .....	858	858	857	861	856	867	848	843	840	840	841	843	839
Paper and allied products .....	516	517	519	521	519	519	517	521	518	517	516	518	518
Printing and publishing .....	841	841	842	842	840	841	840	841	838	838	840	839	839
Chemicals and allied products .....	569	568	567	568	567	563	563	560	561	559	560	561	560
Petroleum and coal products .....	104	103	103	102	101	101	100	100	100	100	99	98	99
Rubber and misc. plastics products .....	674	676	676	679	683	684	679	676	675	679	681	686	690
Leather and leather products .....	100	100	101	100	99	101	99	99	99	99	97	96	97
<b>Service-producing</b> .....	56,213	56,219	56,394	56,480	56,512	56,570	56,504	56,601	56,746	56,741	56,877	56,993	57,219
<b>Transportation and public utilities</b> .....	4,797	4,795	4,791	4,790	4,794	4,789	4,770	4,789	4,786	4,789	4,805	4,829	4,830
<b>Wholesale trade</b> .....	4,808	4,805	4,810	4,815	4,813	4,800	4,791	4,791	4,803	4,814	4,807	4,828	4,837
<b>Retail trade</b> .....	16,840	16,808	16,874	16,872	16,874	16,883	16,815	16,833	16,839	16,828	16,878	16,932	17,046
<b>Finance, insurance, and real estate</b> .....	4,819	4,820	4,826	4,826	4,818	4,811	4,812	4,823	4,830	4,831	4,836	4,849	4,849
<b>Services</b> .....	24,949	24,991	25,093	25,177	25,213	25,287	25,316	25,365	25,488	25,479	25,551	25,555	25,657

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

<sup>p</sup> = preliminary.  
NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
DIFFUSION INDEXES  
SEASONALLY ADJUSTED**

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

(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>Private nonfarm payrolls, 356 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1990 .....	59.1	58.8	53.8	46.9	49.3	47.8	43.5	41.4	40.3	40.2	38.2	37.1
1991 .....	37.9	37.6	36.1	41.3	50.7	45.1	48.7	51.4	50.0	47.1	48.8	48.9
1992 .....	43.5	47.9	47.5	58.4	51.4	45.2	49.6	42.8	49.9	50.1	49.7	53.7
1993 .....	<sup>P</sup> 55.1	<sup>P</sup> 60.1										
<b>Over 3-month span:</b>												
1990 .....	61.2	61.1	54.8	48.0	45.6	45.2	40.9	35.7	33.8	33.1	32.6	32.3
1991 .....	31.3	28.7	31.7	38.3	41.0	45.6	48.0	51.4	48.5	46.3	44.4	42.7
1992 .....	44.8	44.1	53.2	54.9	54.4	47.6	41.6	44.4	44.1	48.2	51.8	<sup>P</sup> 54.5
1993 .....	<sup>P</sup> 60.7											
<b>Over 6-month span:</b>												
1990 .....	58.8	55.1	54.2	50.0	43.7	39.0	37.2	34.7	31.9	30.6	29.1	27.9
1991 .....	27.9	29.2	28.2	33.0	38.9	44.0	47.2	46.3	48.9	46.1	44.0	43.4
1992 .....	47.8	50.6	49.7	51.1	47.3	49.3	42.8	42.0	46.2	<sup>P</sup> 47.5	<sup>P</sup> 56.3	
1993 .....												
<b>Over 12-month span:</b>												
1990 .....	53.7	51.4	48.9	48.6	43.0	40.0	37.1	33.7	32.3	30.6	28.9	27.7
1991 .....	27.4	28.5	28.1	29.9	32.2	33.4	35.7	39.0	42.8	46.3	47.6	47.8
1992 .....	49.2	44.1	45.2	43.8	44.9	45.8	<sup>P</sup> 47.8	<sup>P</sup> 52.0				
1993 .....												
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1990 .....	47.8	51.1	48.2	45.3	41.7	42.8	39.9	36.7	34.2	33.5	29.5	31.7
1991 .....	35.6	33.5	30.6	40.6	46.0	43.9	49.6	50.7	42.8	46.4	45.3	48.0
1992 .....	39.6	43.9	43.2	57.6	46.4	42.4	51.4	38.7	45.7	39.2	51.1	48.9
1993 .....	<sup>P</sup> 52.5	<sup>P</sup> 55.8										
<b>Over 3-month span:</b>												
1990 .....	48.8	49.3	48.6	41.0	37.8	37.1	32.4	27.7	25.2	21.9	19.8	22.7
1991 .....	23.4	21.6	21.6	32.4	36.3	43.5	52.2	49.6	48.4	42.4	42.1	37.4
1992 .....	37.8	36.3	48.9	49.3	50.4	46.4	35.6	36.7	31.7	40.6	43.2	<sup>P</sup> 51.8
1993 .....	<sup>P</sup> 56.5											
<b>Over 6-month span:</b>												
1990 .....	45.3	41.4	41.7	42.8	33.1	29.5	23.7	21.2	18.7	19.4	16.0	16.2
1991 .....	17.3	20.5	21.9	25.9	34.9	40.6	45.3	44.6	45.3	39.9	36.0	38.0
1992 .....	41.4	43.2	41.4	47.8	41.7	42.4	29.9	30.9	33.1	<sup>P</sup> 34.5	<sup>P</sup> 48.2	
1993 .....												
<b>Over 12-month span:</b>												
1990 .....	35.3	32.7	31.7	32.7	26.3	23.4	23.0	19.4	18.3	15.8	14.7	15.5
1991 .....	17.6	19.4	18.0	19.4	24.1	25.2	25.9	28.8	37.4	40.6	41.4	38.1
1992 .....	42.8	32.4	34.9	30.6	32.4	33.8	<sup>P</sup> 37.1	<sup>P</sup> 41.7				
1993 .....												

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

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

indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1991) and all seasonally adjusted data (beginning January 1988) are subject to revision.



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

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

(In thousands)

State and area	Total			Mining			Construction		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Alabama</b> .....	1,637.8	1,699.8	1,679.1	11.7	10.8	10.8	70.8	76.5	72.3
Birmingham .....	419.4	435.3	429.3	5.5	5.1	5.0	21.1	22.5	21.4
Huntsville .....	136.2	142.4	140.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.7	4.2
Mobile .....	184.2	193.3	190.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.0	13.0	12.5
Montgomery .....	135.9	140.9	139.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.0	6.4	5.9
Tuscaloosa .....	66.0	67.7	66.4	3.2	2.5	2.5	3.2	3.4	3.2
<b>Alaska</b> .....	228.5	238.5	233.3	10.5	10.0	9.9	7.0	9.2	7.4
Anchorage .....	108.9	114.2	111.3	3.6	3.3	3.3	3.9	4.8	4.0
<b>Arizona</b> .....	1,484.6	1,561.7	1,522.8	12.5	12.6	12.5	73.5	83.6	78.8
Phoenix .....	971.4	1,015.0	988.6	.7	.8	.8	48.0	55.5	51.8
Tucson .....	260.5	274.2	268.7	2.4	2.2	2.1	13.5	14.9	14.5
<b>Arkansas</b> .....	932.1	978.7	961.1	3.4	3.6	3.4	33.4	38.5	35.8
Fayetteville-Springdale .....	56.7	61.4	59.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.3	2.2
Fort Smith .....	80.1	82.7	81.3	.8	.8	.7	2.7	2.8	2.8
Little Rock-North Little Rock .....	256.2	269.6	266.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.2	11.1	10.5
Pine Bluff .....	34.1	34.3	33.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	.9	.8
<b>California</b> .....	12,058.5	12,164.1	11,882.7	35.4	33.3	32.4	462.7	456.8	418.0
Anaheim-Santa Ana .....	1,114.9	1,125.6	1,094.7	1.2	1.0	1.0	46.0	44.4	39.4
Bakersfield .....	172.8	174.9	171.4	12.2	11.6	11.2	8.9	9.1	8.7
Fresno .....	222.6	227.4	223.0	.7	.5	.4	11.3	10.8	10.2
Los Angeles-Long Beach .....	3,808.3	3,841.6	3,745.1	8.0	7.9	7.9	106.7	104.2	97.1
Modesto .....	116.1	119.7	117.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.8	6.1	5.7
Oakland .....	861.7	868.5	853.5	3.4	3.1	3.1	40.2	40.2	38.9
Oxnard-Ventura .....	224.0	225.8	220.2	2.1	1.9	1.8	9.8	10.1	9.2
Riverside-San Bernardino .....	727.4	723.1	706.4	1.3	1.2	1.2	40.0	37.0	33.2
Sacramento .....	615.8	624.0	612.8	.7	.7	.6	27.4	27.2	23.7
Salinas-Seaside-Monterey .....	107.2	108.1	106.4	.3	.3	.3	3.8	3.9	3.7
San Diego .....	940.0	943.1	925.6	.5	.5	.5	43.2	40.9	36.2
San Francisco .....	912.0	925.8	906.8	.6	.6	.6	27.4	28.2	26.6
San Jose .....	782.5	784.3	769.1	.2	.2	.2	26.2	27.2	25.9
Santa Barbara-Santa Maria-Lompoc .....	145.6	142.2	139.9	1.1	1.0	1.0	6.1	5.2	4.6
Santa Rosa-Petaluma .....	139.0	143.2	139.9	.5	.5	.5	7.3	7.6	7.0
Stockton .....	150.2	152.0	149.4	.1	.1	.1	5.9	5.8	5.3
Vallejo-Fairfield-Napa .....	137.0	139.4	136.3	.4	.4	.4	8.2	9.3	8.4
<b>Colorado</b> .....	1,546.1	1,628.4	1,594.1	17.0	16.2	16.0	63.1	74.2	67.9
Boulder-Longmont .....	122.7	131.6	129.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.4	4.1
Denver .....	845.9	884.4	864.8	9.7	8.5	8.3	34.9	40.5	37.4
<b>Connecticut</b> .....	1,513.2	1,530.4	1,487.0	.8	.7	.9	41.9	47.5	41.4
Bridgeport-Milford .....	176.3	178.4	173.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.5	4.7	4.2
Hartford .....	438.2	433.1	421.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.7	11.6	9.9
New Britain .....	59.5	60.9	59.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.9	3.7	3.0
New Haven-Meriden .....	234.7	235.2	228.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.2	8.0	6.9
Stamford .....	112.6	114.8	111.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	2.8	2.6
Waterbury .....	79.2	81.8	80.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.3	2.4	1.9
<b>Delaware</b> .....	331.7	349.7	341.9	.1	.1	.1	15.4	19.2	17.6
Wilmington .....	282.4	292.9	286.4	.2	.2	.2	13.5	15.6	14.1
<b>District of Columbia</b> .....	667.3	680.0	670.1	.1	.1	.1	9.2	8.7	8.7
Washington MSA .....	2,149.2	2,201.2	2,164.9	.6	.6	.6	92.7	94.4	91.0
<b>Florida</b> .....	5,272.7	5,450.4	5,371.8	7.2	6.8	6.8	254.9	274.1	272.1
Daytona Beach .....	121.1	124.0	123.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.3	6.3	6.2
Fort Lauderdale-Hollywood-Pompano Beach .....	503.5	530.8	524.6	.2	.2	.2	24.5	28.9	28.9
Fort Myers-Cape Coral .....	126.6	128.4	128.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.7	10.6	10.7
Gainesville .....	100.3	104.4	102.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.6	3.9	3.8
Jacksonville .....	412.7	424.2	415.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	21.3	22.9	22.8
Lakeland-Winter Haven .....	148.7	149.7	149.7	3.2	3.2	3.1	7.0	6.5	6.6
Melbourne-Titusville-Palm Bay .....	161.5	162.4	160.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	8.2	7.3	7.5
Miami-Hialeah .....	843.3	880.9	870.5	.6	.6	.6	28.5	35.5	36.7
Orlando .....	558.8	581.7	572.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	26.6	29.9	28.9
Pensacola .....	129.3	134.2	132.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.5	7.4	7.3
Sarasota .....	115.7	117.0	116.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.2	7.2	7.2
Tallahassee .....	125.8	130.6	128.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.3	5.4	5.2
Tampa-St. Petersburg-Clearwater .....	853.2	886.2	871.0	.5	.4	.4	39.9	41.7	39.5
West Palm Beach-Boca Raton-Delray Beach .....	357.9	364.0	362.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	18.6	19.9	19.5

See footnotes at end of table.

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

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

(in thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Alabama</b> .....	377.1	382.4	381.3	81.7	82.7	82.0	354.3	379.5	366.0
Birmingham .....	54.0	54.3	53.8	30.8	30.8	30.6	100.1	107.2	102.9
Huntsville .....	31.7	32.5	32.2	3.2	3.3	3.2	25.7	27.6	26.5
Mobile .....	28.0	27.9	27.7	11.1	10.9	10.7	46.5	50.3	48.8
Montgomery .....	16.3	17.0	16.9	5.7	5.8	5.8	30.3	32.8	31.5
Tuscaloosa .....	9.7	10.1	10.0	2.2	2.2	2.2	13.8	14.6	14.0
<b>Alaska</b> .....	13.0	11.8	13.6	20.6	21.8	21.0	44.7	47.8	45.4
Anchorage .....	1.9	1.8	1.7	11.4	12.2	11.8	25.1	26.8	25.6
<b>Arizona</b> .....	171.7	171.2	170.0	79.3	82.6	77.2	371.8	391.0	379.6
Phoenix .....	128.1	127.5	126.6	55.3	57.2	52.8	246.4	256.7	247.4
Tucson .....	24.5	23.7	23.5	10.4	11.1	11.2	61.8	66.3	64.9
<b>Arkansas</b> .....	233.6	238.1	237.2	54.6	55.8	55.1	203.8	219.2	213.1
Fayetteville-Springdale .....	14.0	14.8	14.7	4.5	4.4	4.3	12.8	13.9	13.6
Fort Smith .....	24.5	24.6	24.5	4.9	5.2	5.2	16.3	17.0	16.5
Little Rock-North Little Rock .....	32.9	33.4	33.2	17.0	17.3	17.4	60.0	63.9	61.9
Pine Bluff .....	7.0	7.2	7.1	2.3	2.3	2.2	7.0	7.2	6.9
<b>California</b> .....	1,901.4	1,841.4	1,817.0	601.7	609.5	596.6	2,834.2	2,888.0	2,787.2
Anaheim-Santa Ana .....	220.5	214.1	211.7	34.9	36.1	35.4	280.5	285.8	275.3
Bakersfield .....	10.5	10.4	10.4	8.6	8.7	8.5	41.8	42.2	41.1
Fresno .....	23.6	24.6	24.1	11.9	12.2	11.9	56.4	58.1	56.1
Los Angeles-Long Beach .....	729.2	697.9	687.2	202.7	203.3	199.7	855.3	877.3	845.8
Modesto .....	22.6	23.8	23.0	5.2	5.3	5.1	30.4	31.1	30.2
Oakland .....	109.2	106.7	105.7	54.3	54.9	53.7	207.1	206.6	201.9
Oxnard-Ventura .....	31.2	30.9	31.0	10.5	10.7	10.7	54.0	54.3	51.9
Riverside-San Bernardino .....	87.9	84.5	83.7	35.8	37.1	36.2	187.6	190.2	183.9
Sacramento .....	41.8	41.8	41.1	28.6	29.4	28.5	142.7	146.6	140.9
Salinas-Seaside-Monterey .....	8.5	8.3	8.5	4.9	5.1	4.9	28.5	28.8	27.9
San Diego .....	127.8	120.1	119.5	34.0	35.3	35.0	217.9	223.0	217.1
San Francisco .....	74.4	76.4	75.5	78.0	77.3	77.0	198.5	200.7	193.1
San Jose .....	237.7	229.1	227.6	21.9	22.6	22.1	160.0	160.9	155.9
Santa Barbara-Santa Maria-Lompoc .....	20.1	18.4	18.2	5.4	5.2	4.9	33.6	32.9	31.9
Santa Rosa-Petaluma .....	19.7	20.2	20.3	5.8	5.8	5.8	35.5	36.6	35.1
Stockton .....	20.9	20.6	20.6	9.6	9.8	9.5	36.2	38.9	37.7
Vallejo-Fairfield-Napa .....	12.6	12.5	12.3	5.2	5.7	5.5	34.9	35.5	34.4
<b>Colorado</b> .....	184.3	183.4	182.6	97.8	101.7	99.9	376.6	400.6	387.8
Boulder-Longmont .....	27.1	28.4	28.4	3.0	3.1	3.0	25.4	28.3	27.2
Denver .....	91.0	89.2	88.5	70.5	73.1	72.0	206.8	218.8	212.5
<b>Connecticut</b> .....	312.0	301.3	297.0	68.0	67.8	66.7	332.6	341.0	326.2
Bridgeport-Milford .....	46.2	45.6	45.3	7.7	7.2	7.1	40.3	40.7	39.3
Hartford .....	74.3	69.1	66.0	18.2	17.8	17.4	93.3	93.3	91.2
New Britain .....	16.7	16.1	16.1	2.8	2.6	2.5	12.3	13.2	12.7
New Haven-Meriden .....	42.9	41.9	41.4	15.7	15.9	15.8	48.7	49.0	47.3
Stamford .....	17.5	17.2	17.0	5.0	5.0	4.8	26.4	27.4	26.1
Waterbury .....	17.8	17.3	17.3	3.3	3.3	3.3	16.1	17.0	16.8
<b>Delaware</b> .....	68.6	67.4	66.8	14.6	14.6	14.5	70.8	78.1	74.4
Wilmington .....	59.7	57.3	57.2	16.3	16.4	16.3	56.3	60.6	57.5
<b>District of Columbia</b> .....	13.9	13.8	13.8	22.9	22.9	22.7	54.3	54.9	52.1
Washington MSA .....	79.2	78.9	79.1	102.0	103.1	100.3	406.0	416.2	401.5
<b>Florida</b> .....	482.9	480.5	478.7	269.3	277.1	273.2	1,394.2	1,460.4	1,422.0
Daytona Beach .....	11.4	11.2	11.3	3.7	3.9	3.7	34.6	35.6	35.3
Fort Lauderdale-Hollywood-Pompano Beach .....	38.0	40.3	40.2	24.8	25.7	25.4	146.7	156.1	152.0
Fort Myers-Cape Coral .....	5.3	5.4	5.4	5.8	5.9	5.8	36.5	36.9	36.6
Gainesville .....	5.4	5.5	5.7	2.0	2.1	2.0	21.2	22.3	21.5
Jacksonville .....	33.4	33.8	33.7	30.4	31.2	30.4	108.5	111.4	107.4
Lakeland-Winter Haven .....	21.1	20.5	20.6	7.7	7.4	7.4	40.9	43.0	42.1
Melbourne-Titusville-Palm Bay .....	29.0	28.9	28.1	4.6	4.7	4.7	35.9	36.6	35.8
Miami-Hialeah .....	82.1	83.1	83.1	63.2	68.8	68.5	225.4	238.1	229.8
Orlando .....	47.2	45.6	45.2	31.4	33.6	33.6	140.6	148.0	143.2
Pensacola .....	11.0	11.1	10.9	6.1	6.1	6.0	30.6	32.2	30.8
Sarasota .....	7.5	7.3	7.3	3.8	3.8	3.8	33.2	33.7	33.1
Tallahassee .....	4.3	4.4	4.3	3.3	3.1	3.1	26.3	27.4	26.3
Tampa-St. Petersburg-Clearwater .....	85.0	85.2	83.9	40.2	39.9	39.4	226.4	238.6	229.7
West Palm Beach-Boca Raton-DeLray Beach .....	33.8	31.7	31.8	14.1	14.5	14.3	97.4	101.0	100.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Alabama</b> .....	73.4	73.7	73.8	333.6	351.5	351.3	335.2	342.7	341.6
Birmingham .....	29.9	30.2	30.5	109.5	114.1	114.2	68.5	71.1	70.9
Huntsville .....	4.0	4.0	4.0	34.6	37.0	36.9	32.3	33.3	33.3
Mobile .....	8.2	7.9	7.9	46.2	50.6	50.6	32.2	32.7	32.7
Montgomery .....	8.2	8.1	8.0	32.8	34.1	34.3	36.6	36.7	36.6
Tuscaloosa .....	2.1	2.2	2.2	10.5	10.2	10.2	21.3	22.5	22.1
<b>Alaska</b> .....	10.3	10.7	10.6	50.1	52.8	51.8	72.3	74.4	73.6
Anchorage .....	6.4	6.6	6.6	28.7	29.8	29.5	27.9	28.9	28.8
<b>Arizona</b> .....	91.6	95.1	94.8	410.9	434.7	428.7	273.3	290.9	281.2
Phoenix .....	72.5	75.3	75.0	279.0	293.0	288.9	141.4	149.0	145.3
Tucson .....	11.4	11.6	11.6	76.2	80.0	79.4	60.3	64.4	61.5
<b>Arkansas</b> .....	37.9	39.3	39.0	199.6	211.2	207.9	165.8	173.0	169.6
Fayetteville-Springdale .....	1.7	1.7	1.7	11.3	12.2	12.0	10.3	12.1	11.2
Fort Smith .....	2.6	2.6	2.6	19.4	20.4	19.9	8.9	9.3	9.1
Little Rock-North Little Rock .....	15.4	16.0	16.0	68.7	73.6	72.7	52.0	54.3	54.4
Pine Bluff .....	1.2	1.3	1.2	7.4	7.3	7.4	8.2	8.1	8.2
<b>California</b> .....	782.4	787.1	780.2	3,342.9	3,450.9	3,380.6	2,097.8	2,097.1	2,070.7
Anaheim-Santa Ana .....	92.4	95.1	93.7	310.7	319.9	312.2	128.7	129.2	126.0
Bakersfield .....	5.8	5.7	5.6	39.0	40.8	40.2	46.0	46.4	45.7
Fresno .....	13.1	13.2	13.1	54.4	54.7	54.1	51.2	53.3	53.1
Los Angeles-Long Beach .....	256.5	250.9	248.2	1,106.0	1,159.3	1,129.0	543.9	540.8	530.2
Modesto .....	4.8	5.1	5.1	25.9	26.3	25.9	21.4	22.0	22.1
Oakland .....	56.2	57.4	57.2	223.2	230.1	226.4	168.1	169.5	166.6
Oxnard-Ventura .....	12.0	12.3	12.3	59.5	60.9	60.1	44.9	44.7	43.2
Riverside-San Bernardino .....	30.7	30.7	30.4	185.3	185.2	182.2	158.8	157.2	155.6
Sacramento .....	41.7	42.1	42.1	149.4	150.4	151.2	183.5	185.8	184.7
Salinas-Seaside-Monterey .....	6.2	6.4	6.4	27.4	28.2	27.8	27.6	27.1	26.9
San Diego .....	60.1	60.8	60.9	276.3	281.7	278.2	180.2	180.8	178.2
San Francisco .....	101.5	102.3	101.9	296.7	308.0	301.4	134.9	132.3	130.7
San Jose .....	31.3	31.5	31.2	217.3	224.2	220.9	87.9	88.6	85.3
Santa Barbara-Santa Maria-Lompoc .....	7.7	7.7	7.6	41.8	42.6	42.1	29.8	29.2	29.6
Santa Rosa-Petaluma .....	9.3	9.6	9.4	35.6	37.0	36.4	25.3	25.9	25.4
Stockton .....	9.0	8.9	8.8	33.5	34.7	34.3	35.0	33.2	33.1
Vallejo-Fairfield-Napa .....	5.1	5.1	5.0	33.3	34.0	33.9	37.3	36.9	36.4
<b>Colorado</b> .....	97.6	101.3	101.7	427.9	452.0	449.1	281.8	299.0	289.1
Boulder-Longmont .....	4.3	4.7	4.7	34.6	37.1	36.6	24.3	25.6	25.0
Denver .....	65.0	67.0	67.1	235.4	247.1	242.2	132.6	140.2	136.8
<b>Connecticut</b> .....	143.2	140.5	138.3	409.8	421.9	412.1	204.9	209.7	204.4
Bridgeport-Milford .....	10.5	10.3	10.1	48.2	50.6	48.3	18.9	19.3	19.0
Hartford .....	71.4	69.4	68.7	107.3	108.7	106.7	63.0	63.2	61.7
New Britain .....	3.9	4.0	4.0	14.2	14.2	14.1	6.7	7.1	7.0
New Haven-Meriden .....	15.1	14.0	13.9	73.0	73.5	70.4	32.1	32.9	32.4
Stamford .....	13.4	13.7	13.2	36.9	37.9	37.2	10.3	10.8	10.6
Waterbury .....	4.1	4.3	4.3	23.4	25.0	24.7	12.2	12.5	12.4
<b>Delaware</b> .....	32.4	33.1	33.4	81.2	87.4	86.5	48.6	49.8	48.6
Wilmington .....	28.6	29.7	29.8	69.6	74.1	73.5	38.2	39.0	37.8
<b>District of Columbia</b> .....	33.7	33.5	33.6	249.8	257.5	250.8	283.4	288.6	288.3
Washington MSA .....	126.0	128.0	126.6	741.2	769.8	755.1	601.5	610.2	610.7
<b>Florida</b> .....	350.1	352.5	350.5	1,648.5	1,711.8	1,699.7	865.6	887.2	868.8
Daytona Beach .....	5.6	5.4	5.4	37.6	38.0	38.4	21.9	23.6	23.2
Fort Lauderdale-Hollywood-Pompano Beach .....	39.3	39.3	38.8	157.5	165.1	164.9	72.5	75.2	74.2
Fort Myers-Cape Coral .....	8.1	7.8	7.8	40.1	40.4	41.4	21.0	21.3	21.1
Gainesville .....	4.3	4.4	4.4	26.3	27.0	26.8	37.4	39.1	38.3
Jacksonville .....	43.2	45.0	44.8	113.0	117.2	115.0	62.5	62.3	61.1
Lakeland-Winter Haven .....	7.6	7.5	7.6	37.8	38.2	38.8	23.4	23.4	23.5
Melbourne-Titusville-Palm Bay .....	4.9	4.9	4.9	54.7	55.1	55.0	24.2	24.9	24.6
Miami-Hialeah .....	63.1	63.1	62.9	256.7	266.0	263.7	123.7	125.7	125.2
Orlando .....	34.1	34.1	34.1	208.8	218.6	216.6	69.9	71.7	70.2
Pensacola .....	5.0	5.1	5.1	37.7	40.7	40.9	31.0	31.2	30.9
Sarasota .....	7.8	7.6	7.5	42.4	43.7	44.0	13.8	13.7	13.5
Tallahassee .....	5.1	5.2	5.2	28.4	30.1	30.4	52.9	54.8	53.3
Tampa-St. Petersburg-Clearwater .....	62.2	62.7	62.3	280.7	296.9	297.2	118.3	120.8	118.6
West Palm Beach-Boca Raton-Delray Beach .....	25.3	26.0	26.2	121.1	122.0	122.2	47.6	48.9	48.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Georgia</b> .....	2,905.6	3,048.1	3,008.2	7.4	7.4	7.4	116.0	121.9	117.8
Albany .....	49.5	51.8	51.1	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>3</sup> )	2.3	2.8	2.8
Athens .....	67.3	69.2	69.5	.1	.1	.1	2.0	1.9	1.9
Atlanta .....	1,454.0	1,548.6	1,526.3	1.0	1.1	1.1	58.6	64.7	63.1
Augusta .....	177.0	184.8	182.8	.5	.5	.5	11.1	13.3	13.0
Columbus .....	93.9	97.6	96.7	.1	.1	.1	3.4	3.3	3.2
Macon-Warner Robins .....	123.4	129.0	126.6	.1	.1	.1	4.3	3.7	3.7
Savannah .....	111.1	119.3	117.8	( <sup>4</sup> )	( <sup>5</sup> )	( <sup>6</sup> )	5.9	6.5	5.9
<b>Hawaii</b> .....	539.5	545.1	533.3	( <sup>7</sup> )	( <sup>8</sup> )	( <sup>9</sup> )	31.5	31.4	31.2
Honolulu .....	414.0	421.2	411.2	( <sup>10</sup> )	( <sup>11</sup> )	( <sup>12</sup> )	24.0	23.1	23.0
<b>Idaho</b> .....	396.2	424.1	411.6	2.5	2.4	2.4	17.7	23.1	20.6
Boise City .....	111.1	119.8	116.1	( <sup>13</sup> )	( <sup>14</sup> )	( <sup>15</sup> )	6.1	7.8	6.0
<b>Illinois</b> .....	5,097.9	5,264.5	5,126.7	17.1	17.9	17.1	172.0	198.3	174.8
Aurora-Elgin .....	146.8	154.4	149.7	( <sup>16</sup> )	( <sup>17</sup> )	( <sup>18</sup> )	6.5	8.1	6.8
Bloomington-Normal .....	69.0	72.5	70.3	( <sup>19</sup> )	( <sup>20</sup> )	( <sup>21</sup> )	1.8	2.2	1.9
Champaign-Urbana-Rantoul .....	88.5	94.2	89.1	( <sup>22</sup> )	( <sup>23</sup> )	( <sup>24</sup> )	2.3	3.2	2.8
Chicago .....	3,040.9	3,120.0	3,051.5	1.4	1.5	1.3	96.8	110.6	98.2
Davenport-Rock Island-Moline .....	161.1	165.5	162.8	( <sup>25</sup> )	( <sup>26</sup> )	( <sup>27</sup> )	6.8	7.5	7.1
Decatur .....	51.8	55.8	54.4	( <sup>28</sup> )	( <sup>29</sup> )	( <sup>30</sup> )	2.8	3.1	2.9
Joliet .....	110.7	117.8	114.3	( <sup>31</sup> )	( <sup>32</sup> )	( <sup>33</sup> )	7.0	8.7	7.2
Kankakee .....	36.4	39.4	38.1	( <sup>34</sup> )	( <sup>35</sup> )	( <sup>36</sup> )	1.3	1.6	1.4
Lake County .....	225.6	235.7	230.1	( <sup>37</sup> )	( <sup>38</sup> )	( <sup>39</sup> )	9.9	10.7	9.9
Peoria .....	143.3	153.3	149.9	( <sup>40</sup> )	( <sup>41</sup> )	( <sup>42</sup> )	5.8	7.3	6.2
Rockford .....	132.7	138.9	136.1	( <sup>43</sup> )	( <sup>44</sup> )	( <sup>45</sup> )	4.4	4.8	4.4
Springfield .....	106.3	110.3	107.1	( <sup>46</sup> )	( <sup>47</sup> )	( <sup>48</sup> )	3.9	4.7	4.2
<b>Indiana</b> .....	2,475.0	2,576.1	2,528.8	6.9	6.7	6.4	99.8	109.2	100.1
Anderson .....	49.1	50.6	49.4	( <sup>49</sup> )	( <sup>50</sup> )	( <sup>51</sup> )	1.3	1.6	1.5
Bloomington .....	55.2	59.4	57.6	( <sup>52</sup> )	( <sup>53</sup> )	( <sup>54</sup> )	2.0	2.8	2.9
Elkhart-Goshen .....	95.7	101.1	99.3	( <sup>55</sup> )	( <sup>56</sup> )	( <sup>57</sup> )	2.9	2.7	2.6
Evansville .....	134.1	140.6	138.0	1.8	1.7	1.7	6.9	7.5	7.1
Fort Wayne .....	197.1	203.3	199.4	( <sup>58</sup> )	( <sup>59</sup> )	( <sup>60</sup> )	8.2	8.8	7.6
Gary-Hammond .....	239.6	247.8	241.8	( <sup>61</sup> )	( <sup>62</sup> )	( <sup>63</sup> )	13.1	14.6	12.9
Indianapolis .....	659.7	687.5	676.0	.7	.7	.7	30.8	34.2	31.3
Kokomo .....	48.2	48.7	47.5	( <sup>64</sup> )	( <sup>65</sup> )	( <sup>66</sup> )	1.0	1.0	.9
Lafayette-West Lafayette .....	70.4	74.3	72.3	( <sup>67</sup> )	( <sup>68</sup> )	( <sup>69</sup> )	2.2	2.8	2.5
Muncie .....	55.3	57.0	55.2	( <sup>70</sup> )	( <sup>71</sup> )	( <sup>72</sup> )	2.0	1.8	1.8
South Bend-Mishawaka .....	115.3	120.1	118.2	( <sup>73</sup> )	( <sup>74</sup> )	( <sup>75</sup> )	5.4	6.3	6.0
Terre Haute .....	59.3	62.6	61.3	.4	.3	.4	2.8	3.2	3.0
<b>Iowa</b> .....	1,214.9	1,261.5	1,232.5	1.7	2.1	2.0	37.6	43.4	39.1
Cedar Rapids .....	93.8	97.2	95.6	( <sup>76</sup> )	( <sup>77</sup> )	( <sup>78</sup> )	4.3	4.9	4.7
Des Moines .....	232.8	245.6	242.5	( <sup>79</sup> )	( <sup>80</sup> )	( <sup>81</sup> )	7.7	9.8	9.4
Dubuque .....	43.6	47.5	46.9	( <sup>82</sup> )	( <sup>83</sup> )	( <sup>84</sup> )	1.2	1.6	1.4
Iowa City .....	56.8	58.9	57.7	( <sup>85</sup> )	( <sup>86</sup> )	( <sup>87</sup> )	1.5	1.6	1.5
Sioux City .....	55.9	58.8	58.3	( <sup>88</sup> )	( <sup>89</sup> )	( <sup>90</sup> )	1.9	2.7	2.5
Waterloo-Cedar Falls .....	70.9	74.4	72.9	( <sup>91</sup> )	( <sup>92</sup> )	( <sup>93</sup> )	2.3	2.8	2.6
<b>Kansas</b> .....	1,088.0	1,130.6	1,107.6	9.1	8.7	8.4	39.0	43.6	39.3
Lawrence .....	38.0	40.0	38.2	( <sup>94</sup> )	( <sup>95</sup> )	( <sup>96</sup> )	1.4	1.3	1.0
Topeka .....	90.3	92.8	90.8	( <sup>97</sup> )	( <sup>98</sup> )	( <sup>99</sup> )	2.9	3.4	2.8
Wichita .....	245.4	248.6	244.9	1.7	1.7	1.7	10.9	11.7	11.0
<b>Kentucky</b> .....	1,464.0	1,537.4	1,500.7	29.9	29.0	28.4	58.4	70.5	60.8
Lexington-Fayette .....	201.1	213.2	209.2	.2	.2	.2	9.2	11.0	10.2
Louisville .....	478.0	495.0	486.8	.5	.5	.5	20.6	22.7	21.1
Owensboro .....	37.1	38.7	37.6	.5	.5	.5	2.1	2.4	2.2
<b>Louisiana</b> .....	1,594.4	1,629.2	1,612.3	49.9	44.4	44.1	92.5	100.2	96.7
Alexandria .....	47.0	48.0	47.8	.1	.1	.1	2.9	2.8	2.7
Baton Rouge .....	240.8	251.2	248.1	.8	.9	.8	27.5	30.5	30.3
Houma-Thibodaux .....	57.3	57.9	56.7	4.8	4.1	3.9	3.1	3.0	2.9
Lafayette .....	98.7	101.2	98.9	11.4	10.7	10.6	4.4	5.2	4.6
Lake Charles .....	69.3	70.7	69.9	1.0	.9	.9	8.1	8.5	7.9
Monroe .....	60.3	61.9	60.8	.4	.5	.4	3.3	3.3	3.0
New Orleans .....	531.7	542.2	536.8	14.3	13.8	13.7	21.7	22.8	22.4
Shreveport .....	133.2	140.4	139.5	2.8	2.7	2.7	5.7	6.5	6.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Georgia</b> .....	538.2	549.3	546.5	194.0	200.3	200.0	713.7	779.0	748.6
Albany .....	7.8	7.8	7.6	2.4	2.5	2.5	11.9	13.5	13.0
Athens .....	14.8	15.0	14.9	1.8	1.8	1.8	15.1	17.3	16.9
Atlanta .....	168.0	173.9	173.2	130.7	134.2	133.5	393.7	433.8	419.4
Augusta .....	41.5	42.0	42.2	5.0	4.9	5.0	37.5	40.6	38.8
Columbus .....	19.9	20.4	20.6	3.3	3.4	3.5	20.4	21.9	20.8
Macon-Warner Robins .....	17.5	18.4	18.3	4.8	4.8	4.8	28.2	30.9	29.3
Savannah .....	16.4	17.0	16.8	10.5	10.4	10.6	26.0	29.1	27.7
<b>Hawaii</b> .....	19.6	19.0	19.2	42.9	43.7	43.0	136.5	135.9	132.3
Honolulu .....	14.5	14.0	14.3	35.0	35.9	35.5	102.2	103.2	100.2
<b>Idaho</b> .....	63.5	67.1	66.8	19.6	20.6	20.4	101.0	109.2	105.0
Boise City .....	16.9	18.8	18.7	5.9	6.0	6.0	27.9	29.0	28.6
<b>Illinois</b> .....	903.2	926.9	916.9	297.8	303.1	299.3	1,217.9	1,265.5	1,211.5
Aurora-Elgin .....	36.3	38.6	38.6	3.4	3.6	3.6	37.4	38.3	36.4
Bloomington-Normal .....	7.3	7.0	6.9	2.9	3.0	3.0	15.8	16.9	15.9
Champaign-Urbana-Rantoul .....	9.6	10.2	10.2	2.3	2.3	2.3	19.8	21.0	19.8
Chicago .....	506.8	510.8	505.2	197.3	199.9	197.7	722.2	744.8	716.6
Davenport-Rock Island-Moline .....	26.4	26.2	26.1	7.4	7.5	7.4	47.8	50.5	49.2
Decatur .....	12.3	14.2	14.1	4.8	4.8	4.9	11.5	12.5	12.0
Joliet .....	20.8	21.1	21.0	8.9	9.3	9.2	26.1	27.3	26.5
Kankakee .....	6.2	6.2	6.2	1.5	1.5	1.5	9.2	9.9	9.4
Lake County .....	49.7	51.4	51.2	7.6	7.8	7.6	61.5	64.4	62.9
Peoria .....	27.3	31.8	31.7	7.6	7.7	7.7	35.1	36.5	35.7
Rockford .....	40.3	42.4	42.3	4.9	4.7	4.8	30.1	31.6	30.4
Springfield .....	4.1	4.0	4.1	5.0	5.0	5.0	24.0	25.7	23.6
<b>Indiana</b> .....	614.0	630.4	627.8	128.6	130.1	127.7	583.4	610.4	592.6
Anderson .....	15.5	14.7	14.6	1.1	1.2	1.2	11.2	11.8	11.2
Bloomington .....	9.0	9.1	9.0	1.6	1.7	1.6	12.6	13.8	13.4
Elkhart-Goshen .....	48.9	51.6	51.2	2.6	2.4	2.4	17.9	19.4	18.6
Evansville .....	30.7	30.8	31.1	6.6	6.6	6.6	34.1	36.7	35.8
Fort Wayne .....	48.4	51.4	51.4	13.4	13.4	13.3	48.6	49.9	48.1
Gary-Hammond .....	53.3	53.1	52.7	17.4	17.8	17.5	56.9	60.1	58.2
Indianapolis .....	106.8	109.5	107.8	40.1	41.3	39.9	166.9	178.0	174.2
Kokomo .....	18.9	19.1	18.9	1.3	1.4	1.3	9.7	10.8	10.4
Lafayette-West Lafayette .....	14.1	14.9	14.8	2.0	2.2	2.2	14.4	14.9	14.2
Muncie .....	10.8	10.9	10.6	4.1	4.3	4.2	12.1	12.5	12.1
South Bend-Mishawaka .....	20.2	20.7	20.7	5.5	5.5	5.4	29.2	30.3	29.4
Terre Haute .....	10.7	11.4	11.3	2.6	2.5	2.5	16.3	17.6	16.9
<b>Iowa</b> .....	224.2	231.4	229.2	53.3	54.7	53.5	308.3	322.0	311.2
Cedar Rapids .....	21.1	20.9	20.7	5.4	5.4	5.4	22.2	23.1	22.6
Des Moines .....	24.4	24.6	24.5	11.8	12.3	12.2	61.4	63.6	63.0
Dubuque .....	10.8	12.3	12.3	1.7	1.8	1.8	10.2	10.9	10.9
Iowa City .....	4.6	4.4	4.4	1.5	1.6	1.5	10.8	11.2	10.6
Sioux City .....	11.1	11.6	11.6	3.3	3.5	3.5	14.5	14.7	14.6
Waterloo-Cedar Falls .....	15.8	16.2	15.8	1.9	1.9	1.9	16.8	17.7	17.5
<b>Kansas</b> .....	182.6	180.5	178.7	64.1	64.6	63.8	265.6	279.6	272.9
Lawrence .....	4.6	4.8	4.7	1.0	.9	.8	9.2	9.6	9.1
Topeka .....	9.3	9.3	9.3	5.7	6.1	6.0	20.4	21.2	20.4
Wichita .....	62.0	59.6	58.7	11.6	11.6	11.6	56.2	58.0	56.5
<b>Kentucky</b> .....	280.6	291.1	289.3	79.8	82.9	82.3	345.0	367.9	353.2
Lexington-Fayette .....	32.2	33.6	33.5	8.5	9.1	8.9	45.4	48.4	47.3
Louisville .....	86.1	87.6	87.6	31.2	33.0	32.4	116.6	123.1	117.8
Owensboro .....	6.4	6.4	6.3	2.0	2.0	2.0	9.5	9.9	9.5
<b>Louisiana</b> .....	182.5	185.7	185.0	105.0	105.5	104.2	369.1	385.7	377.8
Alexandria .....	3.3	3.3	3.4	2.4	2.3	2.3	10.1	10.8	10.5
Baton Rouge .....	23.2	23.6	23.4	11.0	11.6	11.6	53.3	54.9	54.0
Houma-Thibodaux .....	4.7	4.8	4.5	6.1	5.8	5.5	14.6	15.0	14.8
Lafayette .....	9.1	9.8	9.6	6.0	6.2	6.0	26.5	26.6	26.2
Lake Charles .....	10.7	10.8	10.8	4.1	4.1	4.0	15.4	16.3	16.0
Monroe .....	8.2	8.2	8.3	2.9	2.9	2.9	14.9	15.5	15.1
New Orleans .....	45.2	44.3	44.3	40.6	40.2	39.6	134.1	140.2	137.0
Shreveport .....	16.6	17.2	17.1	7.8	7.9	7.9	31.9	34.8	34.0

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Georgia</b> .....	160.9	163.8	162.9	642.6	684.4	682.9	532.8	542.0	542.1
Albany .....	2.0	2.0	2.0	11.1	11.4	11.4	12.0	11.8	11.8
Athens .....	2.2	2.2	2.1	10.9	11.3	11.1	20.5	19.6	20.7
Atlanta .....	104.3	105.9	104.4	375.6	408.3	406.2	222.1	226.7	225.4
Augusta .....	6.1	6.2	6.2	38.8	40.1	39.9	36.5	37.2	37.2
Columbus .....	6.4	6.9	6.8	21.1	21.4	21.6	19.3	20.2	20.1
Macon-Warner Robins .....	7.4	7.9	7.9	26.2	27.5	26.8	34.9	35.7	35.7
Savannah .....	4.5	4.3	4.3	29.6	33.3	33.8	18.2	18.7	18.7
<b>Hawaii</b> .....	37.0	37.8	37.4	161.7	161.7	159.5	110.3	115.6	110.7
Honolulu .....	30.3	31.2	30.9	117.4	119.4	117.5	90.6	94.4	89.8
<b>Idaho</b> .....	20.4	22.0	21.3	86.2	92.1	90.1	85.3	87.6	85.0
Boise City .....	8.5	9.2	9.4	25.1	28.2	27.6	20.7	20.8	19.8
<b>Illinois</b> .....	373.9	375.4	374.8	1,351.2	1,394.6	1,369.1	764.8	782.8	763.2
Aurora-Elgin .....	9.4	9.5	9.4	37.0	38.3	37.9	16.8	16.0	17.0
Bloomington-Normal .....	11.5	12.1	11.9	16.1	17.2	17.3	13.6	14.1	13.4
Champaign-Urbana-Rantoul .....	3.0	3.1	3.1	18.2	18.5	18.4	33.3	35.9	32.5
Chicago .....	261.1	262.7	262.1	877.5	902.3	891.5	377.8	387.4	378.9
Davenport-Rock Island-Moline .....	6.1	8.0	8.0	38.3	39.3	38.7	26.3	26.5	26.3
Decatur .....	2.3	2.4	2.4	12.5	12.7	12.4	5.6	6.1	5.7
Joliet .....	4.2	4.4	4.4	26.1	28.4	27.9	17.6	18.6	18.1
Kankakee .....	1.7	1.7	1.7	9.7	11.0	10.8	6.8	7.5	7.1
Lake County .....	14.7	15.3	15.1	50.7	54.1	52.2	31.5	32.0	31.2
Peoria .....	8.3	8.6	8.6	42.5	44.3	43.4	16.7	17.1	16.6
Rockford .....	6.0	6.2	6.3	34.1	35.8	35.0	12.9	13.4	12.9
Springfield .....	8.0	8.1	8.1	26.7	29.6	29.4	32.6	33.2	32.7
<b>Indiana</b> .....	125.0	127.6	128.2	532.6	564.5	558.5	364.7	397.2	387.4
Anderson .....	1.6	1.5	1.5	11.3	11.8	11.6	7.1	8.0	7.7
Bloomington .....	1.9	2.0	1.9	9.8	10.5	10.1	18.4	19.6	18.6
Elkhart-Goshen .....	2.6	2.5	2.5	14.7	15.6	15.1	6.1	6.8	6.9
Evansville .....	5.6	5.8	5.9	34.7	36.9	35.7	13.7	14.5	14.0
Fort Wayne .....	13.1	11.7	11.8	45.9	47.7	46.9	19.4	20.4	20.1
Gary-Hammond .....	8.7	8.6	8.8	55.9	57.4	56.5	34.3	36.0	35.2
Indianapolis .....	52.3	54.1	54.9	156.1	165.4	164.0	101.9	104.2	103.2
Kokomo .....	1.4	1.4	1.4	7.4	8.1	7.9	6.4	6.8	6.6
Lafayette-West Lafayette .....	2.9	3.1	3.1	13.6	13.6	13.5	21.2	22.9	22.1
Muncie .....	1.7	1.8	1.9	12.3	12.6	12.4	12.2	13.1	12.5
South Bend-Mishawaka .....	6.5	6.8	6.8	36.2	36.0	37.6	12.4	12.5	12.2
Terre Haute .....	2.1	2.2	2.3	13.5	14.1	14.0	11.0	11.2	10.9
<b>Iowa</b> .....	71.2	73.3	72.8	297.6	308.1	302.3	221.0	226.5	222.4
Cedar Rapids .....	4.9	5.1	5.1	25.1	26.1	25.8	10.8	11.7	11.3
Des Moines .....	32.7	33.9	33.8	62.6	68.4	67.4	32.2	33.0	32.2
Dubuque .....	1.5	1.7	1.7	14.7	15.3	14.9	3.5	3.9	3.9
Iowa City .....	1.5	1.6	1.6	10.1	10.4	10.1	26.8	28.1	28.0
Sioux City .....	2.5	2.6	2.6	16.0	16.7	16.6	6.6	7.0	6.9
Waterloo-Cedar Falls .....	3.6	4.1	4.1	16.9	16.1	17.7	13.6	13.6	13.3
<b>Kansas</b> .....	56.9	58.0	57.7	250.1	261.5	259.1	220.6	234.1	227.7
Lawrence .....	1.7	1.8	1.8	8.0	8.5	8.2	12.1	13.1	12.6
Topeka .....	6.3	6.3	6.3	23.4	23.6	23.6	22.3	22.9	22.4
Wichita .....	10.8	11.2	11.3	62.0	64.3	63.9	30.2	30.5	30.2
<b>Kentucky</b> .....	61.0	63.1	63.0	336.1	352.3	347.5	273.2	280.6	276.2
Lexington-Fayette .....	9.3	9.4	9.4	50.9	52.6	52.7	45.4	48.7	47.0
Louisville .....	27.0	27.7	27.6	129.1	132.9	132.4	66.9	67.5	67.2
Owensboro .....	1.3	1.4	1.4	9.2	9.5	9.4	6.1	6.6	6.3
<b>Louisiana</b> .....	76.3	77.5	77.2	384.9	398.8	396.9	334.2	331.4	330.4
Alexandria .....	2.0	2.1	2.1	13.2	13.6	13.6	13.0	13.0	13.1
Baton Rouge .....	13.7	14.2	14.2	56.7	58.7	58.7	54.6	56.8	55.1
Houma-Thibodaux .....	2.1	2.1	2.1	10.7	11.2	11.2	11.2	11.9	11.8
Lafayette .....	3.9	4.0	4.0	24.4	24.9	24.8	13.0	13.8	13.1
Lake Charles .....	2.6	2.6	2.6	15.8	15.5	15.6	11.6	12.0	12.1
Monroe .....	4.0	4.2	4.2	14.7	14.7	14.6	11.9	12.6	12.1
New Orleans .....	29.4	28.9	28.8	154.9	158.0	157.4	91.5	94.0	93.6
Shreveport .....	6.3	6.5	6.5	34.2	36.1	36.2	27.9	28.7	28.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Maine</b> .....	490.5	516.6	501.8	0.1	0.1	0.1	17.0	21.6	19.8
Lewiston-Auburn .....	36.5	38.2	36.5	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.2	1.5	1.2
Portland .....	120.5	124.8	121.4	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	4.2	5.0	4.7
<b>Maryland</b> .....	2,034.3	2,093.5	2,033.5	1.1	1.1	1.1	113.0	113.4	105.6
Baltimore MSA .....	1,069.1	1,100.8	1,066.4	.1	.2	.2	52.5	53.7	49.6
Baltimore City .....	415.8	420.7	410.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.2	12.0	11.1
Suburban Maryland-D.C. ....	739.4	759.6	740.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	49.2	48.9	46.9
<b>Massachusetts</b> .....	2,737.8	2,795.9	2,733.7	1.0	1.2	1.1	63.9	73.1	66.9
Boston .....	1,538.7	1,562.7	1,533.4	.3	.4	.3	33.5	37.7	35.0
Brockton .....	62.8	64.6	62.8	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.4	1.7	1.5
Fall River .....	48.0	50.1	49.1	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.1	1.2	1.0
Fitchburg-Leominster .....	35.7	37.1	36.5	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	.9	.9	.7
Lawrence-Haverhill .....	148.1	151.3	148.1	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	3.7	5.0	4.2
Lowell .....	93.7	92.2	91.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.5	3.1
New Bedford .....	58.7	60.4	58.9	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.5	1.8	1.5
Pittsfield .....	37.0	38.7	38.4	.1	.1	.1	1.0	1.3	1.2
Springfield .....	214.0	218.5	210.6	.1	.2	.1	4.9	5.2	5.0
Worcester .....	182.2	185.4	179.9	.1	.2	.2	4.4	5.6	5.0
<b>Michigan</b> .....	3,810.5	3,996.5	3,899.4	8.0	8.2	7.7	110.1	126.1	114.5
Ann Arbor .....	174.8	182.1	177.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	3.4	3.0
Battle Creek .....	58.6	61.0	59.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.9	1.6
Benton Harbor .....	64.4	67.4	65.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.8	1.6
Detroit .....	1,828.1	1,914.3	1,866.4	.7	.7	.7	49.4	55.9	50.9
Flint .....	161.7	167.2	165.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.7	4.4
Grand Rapids .....	356.0	370.6	361.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.5	14.7	13.8
Jackson .....	52.6	54.7	53.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.6	1.5
Kalamazoo .....	113.8	117.8	115.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.1	4.0
Lansing-East Lansing .....	213.6	217.2	213.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.9	5.6
Muskegon .....	55.6	56.4	55.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.8	1.7
Saginaw-Bay City-Midland .....	160.9	166.3	161.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	7.1	6.3
<b>Minnesota</b> .....	2,112.6	2,228.6	2,178.7	7.1	7.0	6.4	61.8	72.5	63.5
Duluth .....	98.3	101.8	99.1	5.3	4.7	4.5	2.9	4.0	3.4
Minneapolis-St. Paul .....	1,353.0	1,426.1	1,397.0	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	39.4	43.8	38.7
Rochester .....	66.1	69.0	67.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.2	2.0
St. Cloud .....	82.1	87.6	85.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.5	3.2
<b>Mississippi</b> .....	936.6	987.8	969.6	5.1	5.4	5.3	31.5	35.9	33.4
Jackson .....	187.5	194.2	189.0	.5	.5	.5	6.9	7.1	6.6
<b>Missouri</b> .....	2,257.8	2,335.6	2,279.4	4.6	4.7	4.4	79.8	91.2	81.9
Kansas City .....	765.5	767.4	776.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	27.8	31.3	29.0
St. Louis .....	1,128.2	1,166.3	1,139.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	46.2	48.5	43.8
Springfield .....	124.1	128.4	125.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.8	4.6
<b>Montana</b> .....	301.7	322.1	313.5	5.5	5.7	5.6	9.9	12.8	10.5
<b>Nebraska</b> .....	728.8	753.2	735.9	1.3	1.4	1.3	23.2	27.7	24.9
Lincoln .....	122.2	126.1	122.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.3	3.9
Omaha .....	327.3	336.7	332.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.9	12.8	11.6
<b>Nevada</b> .....	619.0	653.1	645.9	12.8	12.9	12.8	34.4	41.8	40.7
Las Vegas .....	380.2	401.2	398.5	.3	.3	.3	24.2	29.2	28.9
Reno .....	139.5	146.6	142.8	.9	.9	.9	5.8	7.3	6.5
<b>New Hampshire</b> .....	471.9	494.2	483.4	.3	.4	.4	14.1	16.0	14.8
Manchester .....	74.0	77.8	75.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.9	2.7
Nashua .....	79.8	85.0	83.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.0	1.9
Portsmouth-Dover-Rochester .....	100.2	106.7	101.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.6	2.1
<b>New Jersey</b> .....	3,389.9	3,452.1	3,368.5	1.7	2.0	1.6	101.9	104.9	96.5
Atlantic City .....	155.2	180.6	156.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	5.5	5.5
Bergen-Passaic .....	595.6	599.8	584.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.3	17.0	14.9
Camden .....	418.3	428.4	416.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.8	16.0	15.8
Jersey City .....	224.0	227.8	221.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.8	3.8
Middlesex-Somerset-Hunterdon .....	520.2	533.9	522.2	.4	.6	.4	14.7	14.7	12.9
Monmouth-Ocean .....	307.5	317.0	306.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.1	12.6	11.2
Newark .....	867.2	880.4	866.3	.5	.5	.4	25.6	28.4	26.7
Trenton .....	191.0	192.0	185.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.5	3.4
Vineland-Millville-Bridgeton .....	55.5	56.3	55.6	.3	.3	.3	1.7	1.6	1.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Maine</b> .....	92.1	92.3	92.2	20.7	21.3	21.2	118.9	133.0	124.1
Lewiston-Auburn .....	8.0	7.8	7.8	1.4	1.4	1.2	9.3	10.5	9.6
Portland .....	14.2	12.4	13.1	6.0	5.7	5.7	36.0	40.2	37.1
<b>Maryland</b> .....	184.1	182.0	180.3	97.5	100.7	97.0	494.0	515.8	492.4
Baltimore MSA .....	112.4	111.9	110.5	53.4	55.0	52.8	249.7	261.4	249.3
Baltimore City .....	39.2	39.3	38.6	21.9	21.8	21.5	72.3	73.9	69.9
Suburban Maryland-D.C. ....	32.8	33.2	33.5	30.5	31.4	30.4	187.1	190.6	186.1
<b>Massachusetts</b> .....	469.2	456.5	451.2	118.5	121.9	119.9	629.0	658.6	636.5
Boston .....	211.2	204.7	203.0	70.3	72.1	71.0	332.8	343.4	333.9
Brockton .....	8.2	8.3	8.2	4.2	4.2	4.3	20.3	20.8	19.8
Fall River .....	13.0	13.6	13.7	1.8	1.8	1.8	12.0	12.6	11.9
Fitchburg-Leominster .....	10.4	10.5	10.5	1.4	1.3	1.4	9.1	9.9	9.5
Lawrence-Haverhill .....	41.8	41.0	41.1	5.5	5.7	5.6	35.7	36.5	35.2
Lowell .....	29.2	27.1	27.3	4.6	4.7	4.5	20.5	19.8	19.7
New Bedford .....	15.0	14.9	14.8	2.4	2.3	2.2	14.6	15.4	14.4
Pittsfield .....	7.6	7.7	7.4	1.2	1.2	1.2	8.9	9.4	9.2
Springfield .....	42.3	42.4	41.4	8.1	7.9	7.4	48.4	49.0	47.7
Worcester .....	36.7	35.6	34.9	9.0	8.7	8.7	42.2	43.8	42.2
<b>Michigan</b> .....	872.5	909.3	900.8	150.1	155.4	150.9	906.3	962.8	924.0
Ann Arbor .....	37.3	37.5	37.1	4.0	4.2	4.2	31.4	32.7	31.6
Battle Creek .....	15.8	16.4	15.7	1.7	2.0	1.9	12.7	13.3	12.8
Benton Harbor .....	19.8	20.4	20.1	2.7	2.8	2.8	13.4	14.2	13.5
Detroit .....	398.5	428.2	421.2	82.6	86.8	85.2	448.2	467.9	449.7
Flint .....	45.9	47.1	48.4	4.5	4.8	4.6	39.4	41.0	39.2
Grand Rapids .....	98.8	100.9	100.1	12.9	13.4	13.1	92.4	98.2	94.4
Jackson .....	11.9	12.1	12.1	3.4	3.5	3.5	13.1	13.8	13.1
Kalamazoo .....	28.2	28.1	28.0	3.2	3.1	3.0	25.3	27.1	25.7
Lansing-East Lansing .....	30.4	29.5	29.3	6.4	6.5	6.5	46.6	48.9	47.2
Muskegon .....	15.5	14.9	14.8	2.2	2.3	2.2	12.9	13.7	13.1
Saginaw-Bay City-Midland .....	42.6	42.9	42.8	6.3	6.3	6.3	39.6	42.5	39.6
<b>Minnesota</b> .....	384.8	396.7	391.1	108.6	110.0	107.9	509.0	544.0	525.0
Duluth .....	8.2	8.4	8.4	6.0	6.0	5.9	24.8	26.2	25.3
Minneapolis-St. Paul .....	253.1	259.5	257.2	78.0	76.9	75.7	321.8	345.3	332.5
Rochester .....	11.1	11.9	11.9	2.1	2.2	2.1	13.2	14.3	13.7
St. Cloud .....	14.4	15.3	15.1	4.2	4.2	4.2	24.5	26.1	25.7
<b>Mississippi</b> .....	249.0	253.3	251.2	43.9	46.6	44.3	193.3	206.2	200.2
Jackson .....	22.7	22.2	21.8	12.8	13.5	12.3	43.6	46.4	45.3
<b>Missouri</b> .....	405.0	408.3	408.8	149.2	150.5	148.8	540.3	563.9	542.8
Kansas City .....	103.5	102.8	103.3	62.7	63.7	63.3	192.9	201.5	196.5
St. Louis .....	196.4	199.5	199.6	76.1	77.6	76.2	272.6	283.2	274.8
Springfield .....	21.0	20.1	20.2	7.2	7.5	7.3	34.6	36.7	35.4
<b>Montana</b> .....	21.5	23.2	22.7	19.9	20.3	20.0	80.7	87.4	84.4
<b>Nebraska</b> .....	99.3	101.6	101.2	48.5	47.3	46.9	185.1	191.8	186.1
Lincoln .....	14.5	14.9	14.8	7.3	7.3	7.3	26.8	27.8	26.8
Omaha .....	34.7	34.8	34.9	23.6	23.6	23.4	82.9	86.1	84.1
<b>Nevada</b> .....	25.2	26.4	28.4	32.2	33.4	33.0	127.3	135.1	130.7
Las Vegas .....	10.2	11.2	11.2	19.7	20.2	20.0	79.6	83.2	81.1
Reno .....	8.8	9.0	9.0	9.4	9.6	9.5	33.0	34.7	33.2
<b>New Hampshire</b> .....	96.4	97.6	97.5	16.7	17.3	17.1	119.0	126.6	123.3
Manchester .....	9.9	9.9	9.9	4.1	4.4	4.4	18.5	19.7	19.2
Nashua .....	26.9	28.6	28.8	2.7	2.8	3.1	19.9	20.9	20.1
Portsmouth-Dover-Rochester .....	19.9	19.1	18.9	2.9	3.0	2.9	23.5	27.6	26.1
<b>New Jersey</b> .....	528.8	520.4	510.3	226.6	230.7	228.3	805.1	822.9	790.0
Atlantic City .....	6.7	8.6	6.7	6.7	7.0	6.7	30.3	31.5	29.1
Bergen-Passaic .....	120.0	114.1	111.9	27.9	27.5	29.3	170.1	173.6	165.3
Camden .....	58.7	59.2	59.1	19.0	19.0	18.5	112.4	115.5	109.3
Jersey City .....	31.0	32.0	29.9	27.6	26.9	26.3	58.7	58.5	57.2
Middlesex-Somerset-Hunterdon .....	96.2	94.2	93.0	41.9	43.5	43.3	128.9	130.9	124.6
Monmouth-Ocean .....	21.8	21.2	20.8	14.6	15.2	15.3	81.5	86.0	81.7
Newark .....	141.1	138.6	138.9	74.8	75.7	75.2	172.6	176.3	170.2
Trenton .....	25.5	25.0	22.1	7.2	7.2	7.2	29.7	29.5	29.5
Vineland-Millville-Bridgeton .....	13.9	14.1	13.9	2.2	2.2	2.2	10.1	10.7	10.5

See footnotes at end of table.



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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Maine</b> .....	24.1	23.8	23.8	121.7	127.0	125.8	95.9	97.5	94.8
Lewiston-Auburn .....	2.0	2.0	2.0	10.3	10.5	10.4	4.3	4.5	4.3
Portland .....	12.0	11.6	11.6	32.4	32.9	33.0	15.7	17.0	16.2
<b>Maryland</b> .....	127.0	128.5	127.5	607.8	630.4	620.4	409.8	421.6	409.2
Baltimore MSA .....	73.8	75.1	73.9	321.9	332.8	325.1	205.3	210.7	205.0
Baltimore City .....	39.3	38.8	38.5	140.7	144.6	141.9	90.2	90.3	89.2
Suburban Maryland-D.C. ....	45.2	46.2	45.8	230.9	239.8	236.5	163.7	169.5	160.9
<b>Massachusetts</b> .....	195.2	194.1	194.0	877.7	911.8	893.4	383.3	378.7	370.7
Boston .....	134.2	134.9	134.8	564.6	584.5	572.4	191.8	185.0	183.0
Brockton .....	2.7	2.7	2.6	14.8	15.6	15.3	11.2	11.3	11.1
Fall River .....	3.0	3.0	3.0	10.3	11.4	11.3	6.8	6.5	6.4
Fitchburg-Leominster .....	1.4	1.4	1.4	8.3	8.8	8.8	4.2	4.3	4.2
Lawrence-Haverhill .....	5.0	5.2	5.1	36.2	38.0	37.0	20.2	19.9	19.9
Lowell .....	2.8	2.7	2.6	20.7	21.5	21.4	12.9	12.9	12.8
New Bedford .....	2.1	2.1	2.1	13.5	14.3	14.3	9.6	9.6	9.6
Pittsfield .....	1.8	1.7	1.7	11.7	12.4	12.6	4.7	4.9	5.0
Springfield .....	14.7	14.2	14.2	59.6	62.0	59.6	35.9	35.6	35.2
Worcester .....	13.7	13.8	13.9	48.5	50.7	49.0	27.6	27.0	26.0
<b>Michigan</b> .....	187.9	187.8	186.8	933.7	985.6	974.0	642.1	661.3	640.7
Ann Arbor .....	4.8	4.9	4.9	37.9	39.4	38.8	56.3	60.0	57.4
Battle Creek .....	3.1	3.1	3.1	12.5	12.8	12.7	11.2	11.5	11.2
Benton Harbor .....	2.6	2.6	2.6	15.2	16.1	16.0	9.0	9.5	9.0
Detroit .....	108.5	106.7	106.2	506.0	526.0	516.9	234.1	242.2	235.6
Flint .....	6.0	5.9	5.8	37.2	39.0	38.3	24.4	24.7	24.3
Grand Rapids .....	16.4	16.7	16.7	84.7	88.8	86.3	37.2	37.9	37.1
Jackson .....	1.8	1.8	1.6	10.9	11.6	11.2	10.2	10.4	10.2
Kalamazoo .....	6.2	6.4	6.5	28.4	30.3	29.8	18.6	18.6	18.7
Lansing-East Lansing .....	12.2	12.3	12.4	43.0	44.0	45.3	69.5	70.0	67.1
Muskegon .....	1.7	1.8	1.8	11.9	12.4	12.2	9.6	9.6	9.4
Saginaw-Bay City-Midland .....	6.1	5.9	5.9	38.3	39.5	39.2	21.5	22.1	21.5
<b>Minnesota</b> .....	126.9	131.4	130.8	566.9	609.7	600.5	347.5	357.3	353.5
Duluth .....	3.4	3.5	3.5	26.0	27.3	27.2	21.7	21.7	20.9
Minneapolis-St. Paul .....	99.4	102.6	102.2	373.2	400.5	395.8	189.9	197.2	194.7
Rochester .....	1.8	1.8	1.8	28.9	29.4	29.3	7.0	7.2	7.1
St. Cloud .....	2.5	2.7	2.7	19.2	20.7	20.0	14.4	15.1	14.9
<b>Mississippi</b> .....	38.6	38.5	38.3	167.2	186.4	182.7	208.0	215.5	214.2
Jackson .....	14.6	14.4	14.4	45.2	48.6	46.6	41.2	41.5	41.5
<b>Missouri</b> .....	134.5	137.0	136.3	576.7	598.5	588.1	367.7	381.5	370.3
Kansas City .....	58.9	60.0	60.0	198.1	202.8	201.3	121.6	125.3	123.1
St. Louis .....	71.8	73.3	72.9	321.2	333.8	329.2	143.9	150.4	145.2
Springfield .....	5.4	5.7	5.7	35.3	36.8	36.4	16.1	16.8	16.1
<b>Montana</b> .....	13.9	14.5	14.5	77.2	83.4	81.8	73.1	74.8	74.0
<b>Nebraska</b> .....	48.6	48.9	48.8	180.3	186.7	182.0	144.5	147.8	144.7
Lincoln .....	8.6	8.6	8.6	28.8	29.7	29.0	32.4	33.5	32.5
Omaha .....	28.5	28.7	28.4	98.3	104.3	101.6	48.4	48.4	48.2
<b>Nevada</b> .....	28.4	29.7	29.9	275.9	284.7	285.8	82.8	89.1	86.6
Las Vegas .....	18.8	19.9	20.1	184.0	190.8	191.4	43.4	46.4	45.5
Reno .....	7.0	7.1	7.1	55.5	57.7	57.3	19.1	20.3	19.3
<b>New Hampshire</b> .....	29.1	29.7	28.9	123.0	130.6	130.2	73.3	76.0	71.2
Manchester .....	8.0	8.5	7.9	22.0	23.1	22.3	9.0	9.3	9.0
Nashua .....	3.1	3.3	3.1	17.4	19.7	19.3	7.9	7.7	7.4
Portsmouth-Dover-Rochester .....	6.6	6.9	6.8	20.2	22.6	22.2	24.7	24.9	22.7
<b>New Jersey</b> .....	222.6	225.4	224.4	941.1	970.1	950.5	562.1	575.7	588.9
Atlantic City .....	5.8	5.7	5.8	73.1	75.3	74.2	27.4	29.0	28.2
Bergen-Passaic .....	33.9	33.4	33.0	157.0	163.3	159.9	68.4	70.9	70.0
Camden .....	22.8	22.5	22.2	113.1	118.0	114.5	76.7	78.2	77.0
Jersey City .....	17.5	19.4	19.9	45.2	48.3	44.5	40.0	40.9	40.2
Middlesex-Somerset-Hunterdon .....	39.9	42.5	42.4	123.8	128.7	126.8	74.4	78.8	78.8
Monmouth-Ocean .....	18.2	18.5	18.3	95.5	98.7	97.0	64.8	64.8	64.2
Newark .....	68.8	67.6	67.7	249.9	254.6	251.4	133.7	136.7	135.8
Trenton .....	10.4	10.6	10.5	60.5	61.7	58.7	54.4	54.5	53.9
Vineland-Millville-Bridgeton .....	4.0	3.7	3.7	10.8	10.8	10.8	12.5	12.9	12.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>New Mexico</b> .....	579.6	603.8	589.4	15.7	14.8	14.4	27.3	30.4	28.8
Albuquerque .....	246.5	255.2	251.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.3	12.2	11.7
Las Cruces .....	43.7	45.1	44.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.3
Santa Fe .....	61.3	64.5	63.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.8	2.5
<b>New York</b> .....	7,607.5	7,796.0	7,569.7	4.1	4.9	4.6	228.8	228.8	205.8
Albany-Schenectady-Troy .....	412.4	430.4	420.1	.3	.4	.3	13.5	15.3	13.2
Binghamton .....	112.8	114.7	112.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.4	4.1
Buffalo .....	437.9	455.5	440.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.4	15.1	13.0
Elmira .....	39.7	39.9	39.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.2	1.0
Glens Falls .....	44.7	46.4	45.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.7	1.5
Nassau-Suffolk .....	1,032.7	1,061.0	1,027.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	36.4	38.1	35.5
New York PMSA .....	3,743.8	3,807.7	3,700.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	106.9	103.4	94.7
New York City .....	3,260.8	3,313.7	3,219.0	.4	.4	.4	88.3	83.1	76.6
Niagara Falls .....	78.4	81.6	78.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	3.0	2.5
Orange County .....	103.1	108.5	106.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.7	3.5
Poughkeepsie .....	108.0	108.7	105.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.5	4.0
Rochester .....	476.8	488.5	477.3	.6	.7	.6	14.5	15.1	14.0
Rockland County .....	94.5	96.2	94.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.2	2.9
Syracuse .....	299.0	309.0	298.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.9	12.7	11.6
Utica-Rome .....	119.8	123.6	121.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.3
Westchester County .....	370.5	379.4	369.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.2	15.5	13.9
<b>North Carolina</b> .....	3,049.9	3,199.8	3,151.3	3.3	3.4	3.5	136.3	147.7	141.8
Asheville .....	86.7	92.2	89.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.1	3.8
Charlotte-Gastonia-Rock Hill .....	605.9	634.0	624.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	29.4	32.0	31.1
Greensboro-Winston-Salem-High Point .....	489.2	511.6	505.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.3	22.4	21.8
Raleigh-Durham .....	438.5	469.0	459.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.8	19.5	18.8
<b>North Dakota</b> .....	267.5	281.7	277.1	3.8	3.8	3.7	8.0	9.9	8.8
Bismarck .....	40.8	43.1	42.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.9	1.7
Fargo-Moorhead .....	79.9	84.4	82.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	4.2	3.6
Grand Forks .....	31.9	33.9	33.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.4	1.2
<b>Ohio</b> .....	4,725.0	4,913.2	4,778.1	14.3	13.8	13.3	152.1	180.8	161.1
Akron .....	278.2	292.4	283.9	.5	.5	.5	8.2	9.8	8.9
Canton .....	162.7	168.3	164.1	.7	.7	.7	5.7	6.7	6.0
Cincinnati .....	722.9	758.6	736.8	.3	.4	.4	28.7	35.0	31.9
Cleveland .....	900.1	928.9	902.8	.6	.7	.7	25.8	30.3	27.1
Columbus .....	709.7	743.1	721.8	.6	.7	.6	23.9	27.7	25.1
Dayton-Springfield .....	435.5	449.9	440.3	.4	.5	.5	12.4	14.3	13.1
Toledo .....	275.2	290.3	282.3	.1	.2	.2	8.6	10.4	9.4
Youngstown-Warren .....	191.8	199.1	193.3	.4	.4	.4	6.1	6.8	6.0
<b>Oklahoma</b> .....	1,200.6	1,211.2	1,197.0	39.1	34.7	35.0	37.1	37.5	35.9
Enid .....	21.6	22.9	22.3	.8	.9	.9	.7	.8	.6
Lawton .....	35.9	37.8	36.9	.1	.1	.1	1.1	1.0	1.1
Oklahoma City .....	429.9	438.1	433.3	9.3	8.7	8.9	12.7	14.3	13.4
Tulsa .....	322.6	324.3	318.9	10.4	9.9	9.8	11.1	11.0	10.8
<b>Oregon</b> .....	1,228.8	1,284.3	1,251.9	1.3	1.4	1.2	45.4	47.7	43.8
Eugene-Springfield .....	113.8	118.3	114.7	.2	.1	.1	3.7	4.1	3.9
Medford .....	53.4	58.3	55.6	.1	.1	.1	1.6	1.9	1.8
Portland .....	634.8	657.4	644.2	.4	.5	.5	24.9	25.2	23.2
Salem .....	107.1	112.0	109.2	.1	.1	.1	4.4	4.9	4.5
<b>Pennsylvania</b> .....	4,971.0	5,122.2	5,001.6	23.0	22.7	21.3	175.5	190.1	174.6
Allentown-Bethlehem .....	276.3	283.2	276.6	.5	.5	.4	9.3	10.4	9.9
Altoona .....	51.7	54.6	53.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.4	2.3
Beaver County .....	49.3	50.7	50.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.2	2.2
Erie .....	117.6	123.4	121.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	4.2	4.0
Harrisburg-Lebanon-Carlisle .....	308.5	316.5	310.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.9	12.7	11.9
Johnstown .....	81.2	82.5	81.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	5.6	5.4
Lancaster .....	187.3	195.7	190.5	.4	.4	.4	10.0	10.9	10.1
Philadelphia PMSA .....	2,074.4	2,112.8	2,064.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	69.4	72.1	66.8
Philadelphia City .....	692.4	696.5	682.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.4	11.2	9.8
Pittsburgh .....	896.9	920.0	903.5	4.2	3.7	3.7	36.7	39.8	37.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>
<b>New Mexico</b> .....	39.2	40.2	39.4	28.7	29.3	28.6	136.9	145.0	139.7
Albuquerque .....	19.8	19.8	19.7	12.1	12.4	12.1	59.6	62.1	60.5
Las Cruces .....	2.6	2.7	2.6	1.5	1.6	1.6	9.3	9.8	9.6
Santa Fe .....	1.7	1.9	1.9	1.1	1.2	1.1	12.3	13.4	13.1
<b>New York</b> .....	1,007.8	1,002.2	983.3	395.2	402.9	390.1	1,553.0	1,609.2	1,529.4
Albany-Schenectady-Troy .....	43.9	45.2	44.9	16.0	16.8	16.2	85.6	87.8	84.4
Binghamton .....	30.7	29.2	28.8	4.2	4.4	4.4	23.8	25.1	24.1
Buffalo .....	71.2	70.1	69.7	20.9	21.1	20.9	110.1	117.8	110.6
Elmira .....	8.6	8.4	8.4	1.4	1.4	1.3	9.3	9.9	9.6
Glens Falls .....	9.5	9.4	9.3	1.4	1.4	1.4	9.9	10.6	10.2
Nassau-Suffolk .....	128.8	123.6	122.7	46.5	48.0	45.6	268.6	277.4	264.2
New York PMSA .....	348.3	352.9	340.9	230.0	232.0	225.3	658.5	674.2	639.8
New York City .....	282.6	288.7	276.6	203.9	206.2	199.9	550.8	564.8	534.9
Niagara Falls .....	20.6	20.9	20.7	4.1	4.5	4.3	19.2	19.6	18.8
Orange County .....	12.6	13.2	13.1	6.2	6.5	6.4	26.0	28.4	27.3
Poughkeepsie .....	25.1	22.3	22.1	3.7	3.9	3.9	19.9	21.0	20.3
Rochester .....	127.8	127.3	126.8	15.7	15.9	15.6	100.3	104.8	100.3
Rockland County .....	14.3	14.1	14.2	5.6	5.5	5.5	20.6	20.9	20.1
Syracuse .....	48.3	46.8	46.5	18.4	18.7	18.3	70.6	74.1	70.1
Utica-Rome .....	21.0	20.9	20.7	4.1	4.3	4.2	25.2	26.5	25.6
Westchester County .....	49.4	48.0	48.1	19.8	19.6	19.2	82.9	84.4	80.7
<b>North Carolina</b> .....	823.9	840.4	836.5	149.5	155.8	155.1	688.5	738.1	717.0
Asheville .....	19.6	20.3	20.3	4.2	4.6	4.5	20.7	22.3	21.3
Charlotte-Gastonia-Rock Hill .....	142.5	144.7	143.4	48.6	50.6	50.5	148.5	155.6	152.4
Greensboro-Winston-Salem-High Point .....	142.5	145.1	144.2	26.2	27.5	27.4	110.2	115.4	112.7
Raleigh-Durham .....	64.0	65.6	65.5	22.0	22.5	22.4	89.9	97.7	92.9
<b>North Dakota</b> .....	17.2	18.9	18.8	17.3	17.8	17.6	70.7	75.0	73.2
Bismarck .....	2.1	2.2	2.1	2.9	3.1	3.0	10.4	10.9	10.6
Fargo-Moorhead .....	5.5	5.8	5.3	4.6	4.7	4.7	23.1	25.1	24.5
Grand Forks .....	1.6	1.7	1.9	1.7	1.8	1.8	9.3	9.8	9.5
<b>Ohio</b> .....	1,040.1	1,054.2	1,046.8	208.6	213.1	207.5	1,134.8	1,196.3	1,141.9
Akron .....	61.5	62.8	62.8	13.0	13.4	13.1	67.7	71.8	69.0
Canton .....	43.4	42.6	42.3	5.4	5.8	5.5	40.7	42.9	41.1
Cincinnati .....	142.1	141.7	140.7	39.3	40.6	39.7	185.1	197.1	188.3
Cleveland .....	188.0	186.6	185.2	38.1	39.0	37.5	215.7	225.6	215.3
Columbus .....	100.8	101.5	99.5	30.9	31.8	30.9	180.4	193.6	184.3
Dayton-Springfield .....	96.4	95.0	94.6	17.1	17.9	17.3	98.5	104.5	99.6
Toledo .....	51.7	54.6	54.5	13.9	14.4	13.8	68.2	72.3	69.0
Youngstown-Warren .....	44.8	45.5	45.6	7.0	7.0	6.9	51.7	53.9	51.3
<b>Oklahoma</b> .....	164.0	163.5	163.4	70.3	69.7	69.7	280.6	284.4	279.0
Enid .....	1.4	1.6	1.6	2.1	2.2	2.2	6.0	6.2	6.0
Lawton .....	3.1	3.3	3.4	1.9	2.0	1.9	8.4	8.8	8.3
Oklahoma City .....	47.0	47.7	47.5	21.3	21.3	21.2	104.0	106.1	103.2
Tulsa .....	54.8	52.6	52.1	26.5	25.9	25.7	75.5	77.6	75.5
<b>Oregon</b> .....	200.4	202.7	199.5	64.5	66.2	64.8	308.9	330.7	316.7
Eugene-Springfield .....	17.7	17.7	17.2	4.4	4.6	4.5	29.5	30.8	29.3
Medford .....	7.8	8.6	8.3	2.8	3.0	2.7	15.7	18.2	16.3
Portland .....	99.5	100.2	100.2	38.4	39.1	38.5	164.0	172.8	167.5
Salem .....	13.4	13.8	13.5	3.1	3.5	3.4	23.8	25.6	24.6
<b>Pennsylvania</b> .....	951.7	938.3	932.8	258.7	268.0	265.5	1,136.5	1,189.2	1,145.4
Allentown-Bethlehem .....	70.9	69.5	68.3	14.1	14.2	14.0	60.2	62.5	61.2
Altoona .....	9.5	9.6	9.4	4.6	4.9	4.8	13.8	14.6	14.0
Beaver County .....	9.0	9.3	9.3	4.7	4.7	4.6	11.2	11.3	11.1
Erie .....	33.8	35.1	35.0	4.0	4.2	4.2	25.5	26.8	25.8
Harrisburg-Lebanon-Carlisle .....	47.1	46.5	46.3	19.4	20.2	19.9	68.6	71.4	69.4
Johnstown .....	13.5	12.0	11.6	5.2	5.3	5.3	17.9	19.6	19.4
Lancaster .....	55.3	55.5	55.1	7.4	7.4	7.1	47.7	49.9	47.9
Philadelphia PMSA .....	313.0	312.1	308.2	97.1	98.6	97.9	471.0	480.2	464.4
Philadelphia City .....	69.7	68.2	67.0	36.9	38.6	38.8	121.4	120.3	116.9
Pittsburgh .....	112.4	110.8	109.8	54.2	56.0	55.7	220.2	230.4	223.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>New Mexico</b> .....	26.1	26.5	26.1	154.3	159.5	158.2	151.4	158.1	154.2
Albuquerque .....	13.9	14.4	14.4	79.8	82.3	81.9	50.0	52.0	50.8
Las Cruces .....	1.6	1.7	1.7	8.4	8.5	8.2	18.1	18.5	16.1
Santa Fe .....	2.5	2.6	2.6	17.1	18.1	17.8	24.0	24.5	24.4
<b>New York</b> .....	733.5	736.5	726.9	2,270.6	2,370.3	2,313.5	1,414.5	1,441.2	1,416.0
Albany-Schenectady-Troy .....	25.9	27.5	27.3	116.7	124.2	122.0	110.6	113.2	112.0
Binghamton .....	4.1	4.0	4.1	25.5	26.2	25.9	20.6	21.4	20.6
Buffalo .....	26.5	27.0	26.7	122.4	129.1	125.4	73.2	75.4	74.3
Elmira .....	1.4	1.4	1.4	11.0	10.4	10.4	7.0	7.1	7.1
Glens Falls .....	1.6	1.7	1.7	11.6	11.8	11.6	9.1	9.7	9.5
Nassau-Suffolk .....	80.4	80.2	79.2	297.0	314.6	304.6	175.0	179.0	175.4
New York PMSA .....	511.5	511.2	505.8	1,227.2	1,289.1	1,235.6	661.5	664.9	658.1
New York City .....	476.9	476.2	471.1	1,077.3	1,111.8	1,082.5	580.5	582.5	577.0
Niagara Falls .....	2.0	2.1	2.1	17.3	18.1	17.2	12.4	13.3	13.1
Orange County .....	5.6	5.9	5.8	24.5	25.9	25.6	25.0	24.9	24.5
Poughkeepsie .....	4.5	4.4	4.4	27.8	29.5	28.1	22.5	23.1	22.9
Rochester .....	22.4	22.2	22.0	127.5	131.2	129.3	68.0	71.2	68.7
Rockland County .....	4.7	4.9	4.8	26.8	27.3	26.8	19.7	20.3	19.8
Syracuse .....	19.6	18.7	18.4	78.2	84.6	81.4	52.0	53.5	52.3
Utica-Rome .....	8.1	8.1	8.1	28.7	30.6	29.7	30.2	30.8	30.6
Westchester County .....	29.0	29.2	29.1	117.8	124.6	121.0	57.4	58.0	57.3
<b>North Carolina</b> .....	131.7	136.5	136.2	604.3	657.9	645.0	512.4	520.0	516.2
Asheville .....	2.7	2.7	2.6	22.5	24.5	23.6	13.2	13.7	13.7
Charlotte-Gastonia-Rock Hill .....	38.4	39.0	39.0	125.0	135.9	133.2	73.5	76.2	75.2
Greensboro-Winston-Salem-High Point .....	24.9	25.9	26.0	108.3	115.4	114.5	56.8	59.9	59.1
Raleigh-Durham .....	22.8	23.5	23.1	120.8	134.9	131.7	100.2	105.3	105.4
<b>North Dakota</b> .....	12.7	13.2	13.1	71.3	74.2	73.8	66.5	66.9	68.1
Bismarck .....	1.7	1.8	1.8	12.9	13.5	13.3	9.2	9.7	9.6
Fargo-Moorhead .....	4.9	5.0	5.0	22.8	24.2	23.7	15.9	15.7	16.0
Grand Forks .....	1.2	1.2	1.3	7.6	7.8	7.8	9.5	10.2	10.1
<b>Ohio</b> .....	252.8	257.4	254.4	1,184.7	1,247.0	1,218.1	737.5	750.4	735.0
Akron .....	11.3	11.8	11.7	70.9	75.9	74.8	45.0	46.5	43.1
Canton .....	8.5	6.7	6.7	40.7	43.1	42.1	19.6	19.9	19.8
Cincinnati .....	43.3	43.9	43.0	188.8	202.9	196.6	95.3	97.1	96.2
Cleveland .....	59.4	60.5	59.6	251.0	265.1	257.8	121.6	121.0	119.5
Columbus .....	58.7	60.0	59.2	181.1	190.4	187.3	139.2	137.5	135.0
Dayton-Springfield .....	17.1	17.4	17.3	116.2	123.3	121.7	77.4	77.0	76.3
Toledo .....	11.3	11.2	11.0	76.0	80.7	79.1	45.5	46.5	45.3
Youngstown-Warren .....	9.1	9.2	9.2	47.8	50.5	49.4	24.8	25.6	24.5
<b>Oklahoma</b> .....	59.9	60.3	60.1	279.4	284.5	281.9	270.2	276.6	272.0
Enid .....	.9	1.0	1.0	5.6	5.9	5.7	4.1	4.3	4.3
Lawton .....	1.8	1.8	1.8	7.4	7.9	7.8	12.1	12.9	12.5
Oklahoma City .....	24.9	25.4	25.6	106.2	109.0	109.3	104.5	105.6	104.2
Tulsa .....	17.3	17.5	17.4	86.7	87.6	86.3	40.3	42.2	41.3
<b>Oregon</b> .....	83.0	87.2	85.8	296.5	313.1	307.8	228.8	235.3	232.3
Eugene-Springfield .....	6.0	6.3	6.2	27.6	29.2	28.7	24.7	25.5	24.6
Medford .....	2.6	2.7	2.7	12.9	13.8	13.8	9.7	10.0	9.9
Portland .....	54.2	58.9	56.1	165.2	172.0	167.8	88.2	90.7	90.4
Salem .....	5.9	6.1	6.0	23.9	25.5	24.7	32.5	32.5	32.4
<b>Pennsylvania</b> .....	297.9	296.6	298.5	1,438.7	1,507.2	1,475.0	689.0	708.1	688.5
Allentown-Bethlehem .....	14.1	14.4	14.4	75.4	78.8	75.7	31.8	32.9	32.7
Altoona .....	2.1	2.2	2.2	12.6	13.7	13.4	7.2	7.4	7.3
Beaver County .....	1.7	1.7	1.7	12.6	13.5	13.4	7.8	8.0	7.9
Erie .....	5.6	5.6	5.6	31.2	33.0	32.5	14.0	14.5	14.3
Harrisburg-Lebanon-Carlisle .....	22.2	22.0	22.0	71.8	74.9	73.4	67.5	68.8	67.1
Johnstown .....	4.1	4.3	4.3	22.9	23.0	23.2	12.5	12.7	12.6
Lancaster .....	8.8	9.2	9.1	41.1	44.6	44.1	16.6	17.8	16.7
Philadelphia PMSA .....	156.6	155.9	156.7	669.6	693.9	675.2	297.7	300.0	295.0
Philadelphia City .....	60.1	58.8	58.7	259.4	266.8	259.6	133.5	132.8	131.3
Pittsburgh .....	54.9	54.7	54.8	310.9	320.4	317.0	103.4	104.2	101.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	149.4	154.1	149.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.9	6.1	5.6
Scranton—Wilkes-Barre .....	295.3	303.7	299.0	0.6	0.6	0.6	9.7	10.9	9.8
Sharon .....	43.4	42.3	41.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.1	1.1
State College .....	56.2	62.1	57.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.1	2.1
Williamsport .....	49.8	50.5	49.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	2.1	2.0
York .....	176.8	184.0	181.5	.5	.5	.4	8.0	8.7	8.4
<b>Rhode Island</b>									
Pawtucket—Woonsocket—Attleboro .....	410.1	425.3	417.5	.1	.2	.2	11.0	13.2	12.0
Providence .....	117.3	124.8	121.5	.1	.1	.1	2.8	4.6	4.4
Providence .....	293.0	301.8	296.4	.1	.1	.1	8.1	8.9	7.8
<b>South Carolina</b>									
Charleston .....	1,488.0	1,554.7	1,528.3	1.8	1.9	1.9	78.6	82.5	79.1
Columbia .....	200.2	205.9	202.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.0	12.4	12.2
Greenville—Spartanburg .....	240.8	247.5	243.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.9	12.5	12.0
Greenville—Spartanburg .....	325.7	337.6	332.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.9	19.9	19.5
<b>South Dakota</b>									
Rapid City .....	295.2	309.5	304.0	2.5	2.6	2.6	9.8	11.7	10.4
Sioux Falls .....	38.6	41.1	40.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.5	2.1
Sioux Falls .....	79.6	83.6	83.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	4.2	3.9
<b>Tennessee</b>									
Chattanooga .....	2,167.7	2,259.7	2,211.7	4.7	4.8	4.5	78.0	82.9	78.0
Johnson City—Kingsport—Bristol .....	199.4	208.4	206.4	.6	.6	.5	6.5	6.4	6.2
Knoxville .....	174.4	178.8	176.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.5	8.1	7.8
Memphis .....	277.6	289.0	285.2	1.2	1.2	1.2	11.1	12.8	12.4
Nashville .....	472.0	485.3	478.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.3	17.2	16.4
Nashville .....	496.4	524.8	516.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.0	19.9	18.8
<b>Texas</b>									
Abilene .....	7,097.8	7,404.0	7,338.1	175.6	169.6	169.2	322.6	344.6	339.4
Amarillo .....	49.3	50.8	50.7	1.3	1.3	1.3	1.4	1.6	1.7
Austin .....	78.9	81.1	80.8	.8	.8	.8	2.7	2.9	3.0
Beaumont—Port Arthur .....	397.4	417.4	413.4	.8	.8	.8	12.9	14.5	14.4
Brazoria .....	148.8	152.9	150.2	1.3	1.1	1.1	15.2	15.5	14.1
Brownsville—Harlingen .....	67.8	69.2	67.9	1.3	1.2	1.2	8.5	8.8	8.2
Bryan—College Station .....	78.7	84.3	83.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.5	2.6
Corpus Christi .....	56.2	60.2	57.3	.7	.7	.7	1.8	1.9	1.9
Dallas .....	132.7	141.0	140.5	3.0	3.0	3.0	10.2	11.4	11.9
El Paso .....	1,365.1	1,416.5	1,396.9	17.9	17.1	17.1	43.7	48.2	47.3
Ft. Worth—Arlington .....	211.1	222.7	220.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.5	8.2	8.2
Galveston—Texas City .....	579.5	600.8	590.8	4.3	4.4	4.3	19.0	20.7	20.5
Houston .....	78.8	83.2	82.7	.8	.9	.9	5.7	5.6	5.3
Killeen—Temple .....	1,609.4	1,638.1	1,621.3	69.9	67.7	66.7	102.7	107.4	105.5
Laredo .....	75.2	81.0	80.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	3.2	3.3
Longview—Marshall .....	48.4	51.7	51.0	1.9	1.9	1.9	1.5	1.6	1.6
Lubbock .....	69.4	69.6	69.1	3.3	3.4	3.4	3.6	3.3	3.0
McAllen—Edinburg—Mission .....	97.3	100.0	98.1	.2	.2	.2	3.1	3.2	3.2
Midland .....	104.5	110.7	110.2	.8	.8	.8	4.1	4.3	4.3
Odessa .....	45.9	45.9	45.3	9.2	8.9	8.8	1.4	1.4	1.4
San Angelo .....	45.8	45.2	44.3	5.1	4.7	4.6	3.2	2.8	2.8
San Antonio .....	38.0	39.0	38.8	.6	.6	.6	1.1	1.3	1.3
Sherman—Denison .....	528.6	562.2	555.1	1.7	1.6	1.6	21.9	24.2	24.2
Texarkana .....	36.3	37.0	36.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.5	1.5
Tyler .....	46.3	47.6	47.0	.1	.1	.1	1.5	1.6	1.6
Victoria .....	63.1	64.4	64.1	1.4	1.5	1.5	1.9	2.1	2.1
Waco .....	30.7	32.0	31.5	1.5	1.5	1.6	2.3	1.9	1.8
Wichita Falls .....	81.1	85.2	83.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.3	3.0
Wichita Falls .....	49.0	50.0	49.8	1.4	1.4	1.4	1.4	1.5	1.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	44.4	43.5	43.3	6.4	6.4	6.2	34.1	36.1	34.3
Scranton-Wilkes-Barre .....	65.3	63.8	63.6	16.2	16.8	16.8	71.4	74.6	73.2
Sharon .....	11.8	9.7	9.5	2.0	1.7	1.7	10.5	10.8	10.4
State College .....	8.3	8.6	8.8	1.7	1.7	1.7	11.5	12.4	11.7
Williamsport .....	14.8	14.1	14.0	1.8	1.9	1.9	11.3	11.6	11.4
York .....	54.8	54.8	54.8	9.1	9.4	9.3	45.0	47.1	46.1
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	89.6	90.3	88.9	13.8	14.7	14.6	87.3	91.3	89.2
Providence .....	42.1	42.9	42.3	3.5	3.6	3.5	30.2	31.3	29.7
.....	56.5	56.5	55.4	10.8	10.6	10.5	59.6	62.1	61.1
<b>South Carolina</b>									
.....	369.5	373.8	372.9	64.0	64.6	64.2	329.0	353.4	343.9
Charleston .....	20.5	20.8	20.5	10.9	10.3	10.2	47.8	49.8	48.3
Columbia .....	25.8	26.2	26.1	11.0	11.1	10.9	53.4	55.5	53.8
Greenville-Spartanburg .....	95.6	95.9	95.9	13.9	14.0	13.9	76.5	80.3	78.1
<b>South Dakota</b>									
.....	35.5	38.3	38.0	14.2	14.7	14.6	77.2	80.3	77.9
Rapid City .....	4.2	4.5	4.3	1.8	1.8	1.9	11.2	11.8	11.4
Sioux Falls .....	10.0	10.5	10.4	5.4	5.6	5.5	22.1	23.0	22.4
<b>Tennessee</b>									
.....	504.8	515.5	512.7	116.1	122.5	119.8	503.3	534.3	512.2
Chattanooga .....	44.0	44.6	44.3	7.3	7.5	7.5	47.0	50.2	49.1
Johnson City-Kingsport-Bristol .....	53.9	53.6	53.3	6.1	6.3	6.3	39.5	40.8	40.0
Knoxville .....	51.8	50.9	50.7	10.1	10.3	10.2	70.6	74.7	72.8
Memphis .....	58.8	60.3	59.0	46.1	48.3	47.8	124.5	128.6	126.2
Nashville .....	88.7	91.5	91.8	29.1	30.9	30.9	120.8	130.9	128.8
<b>Texas</b>									
.....	959.6	977.3	974.6	429.6	435.4	433.8	1,717.0	1,804.9	1,757.2
Abilene .....	4.5	4.3	4.3	2.6	2.6	2.6	12.9	13.2	13.0
Amarillo .....	8.8	9.0	9.1	5.6	5.4	5.5	22.0	22.5	21.9
Austin .....	51.7	54.6	54.3	13.2	13.6	13.5	80.3	87.7	84.9
Beaumont-Port Arthur .....	26.3	25.6	25.5	9.4	9.4	9.4	33.3	35.5	34.5
Brazoria .....	17.5	17.7	17.6	2.6	2.6	2.5	12.6	13.1	12.8
Brownsville-Harlingen .....	11.3	12.3	12.3	3.9	3.9	3.8	21.5	23.5	22.9
Bryan-College Station .....	3.7	4.0	3.9	1.4	1.3	1.3	12.1	12.8	12.2
Corpus Christi .....	13.0	13.4	13.5	6.5	7.0	6.8	30.9	34.0	33.5
Dallas .....	207.1	209.4	208.5	83.5	87.5	87.2	348.4	365.9	354.8
El Paso .....	41.3	44.8	44.7	10.9	11.4	11.3	52.7	55.5	54.1
Ft. Worth-Arlington .....	102.0	99.8	96.6	59.7	62.7	62.0	147.4	152.8	148.2
Galveston-Texas City .....	8.6	8.6	8.6	5.1	4.7	4.7	16.3	17.1	17.1
Houston .....	177.2	175.4	174.3	111.9	110.2	110.6	382.0	388.8	381.1
Killeen-Temple .....	8.0	8.9	8.9	2.7	2.7	2.6	16.5	18.4	18.1
Laredo .....	1.9	2.0	1.9	7.3	7.8	7.8	14.9	16.5	16.0
Longview-Marshall .....	15.8	15.4	15.2	3.4	3.4	3.4	16.9	17.3	17.2
Lubbock .....	7.0	7.2	7.3	5.6	5.7	5.6	27.2	28.1	26.9
McAllen-Edinburg-Mission .....	12.1	12.0	12.5	3.2	3.5	3.5	32.3	35.9	35.0
Midland .....	2.4	2.3	2.3	2.3	2.4	2.4	11.0	11.3	11.1
Odessa .....	4.4	4.4	4.4	2.2	2.1	2.0	12.3	12.7	12.2
San Angelo .....	5.0	5.2	5.2	2.9	2.8	2.8	9.1	9.4	9.0
San Antonio .....	45.2	46.3	46.1	23.2	24.6	24.2	130.7	142.6	137.8
Sherman-Denison .....	9.9	9.4	9.4	1.5	1.5	1.5	7.7	8.2	8.1
Texarkana .....	6.3	8.1	8.1	2.0	2.1	2.0	10.6	11.4	11.1
Tyler .....	11.4	11.1	11.2	2.9	2.9	2.8	16.2	18.5	16.3
Victoria .....	3.1	3.0	3.0	1.5	1.4	1.4	8.0	8.8	8.7
Waco .....	14.9	15.1	15.2	3.4	3.3	3.3	19.0	20.3	19.8
Wichita Falls .....	7.6	7.4	7.4	2.8	2.6	2.6	11.7	12.1	11.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	8.8	9.0	8.9	32.8	34.4	33.4	17.0	18.6	17.9
Scranton-Wilkes-Barre .....	13.3	13.2	13.3	77.3	80.2	79.5	41.5	43.6	42.2
Sharon .....	1.5	1.5	1.5	11.3	12.3	11.6	5.2	5.2	5.2
State College .....	1.8	1.8	1.8	11.0	11.5	11.3	20.0	24.0	20.1
Williamsport .....	2.3	2.3	2.3	11.8	12.2	11.9	6.1	6.3	6.3
York .....	5.4	5.6	5.7	34.9	38.9	38.1	19.3	19.0	18.7
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	25.6	24.8	24.5	122.1	127.6	125.9	60.6	63.2	62.2
Providence .....	3.5	3.1	3.1	25.7	27.9	27.4	9.4	11.3	11.0
	20.9	20.7	20.5	91.2	95.2	94.0	46.0	47.7	47.0
<b>South Carolina</b>									
Charleston .....	63.9	64.2	64.0	292.9	313.2	307.7	288.3	301.1	294.6
Columbia .....	7.7	7.9	8.0	46.6	49.8	49.0	54.7	54.9	54.1
Greenville-Spartanburg .....	18.8	17.9	17.9	51.4	54.1	52.9	68.5	70.2	69.7
	12.3	12.9	13.1	65.3	70.3	69.1	43.2	44.3	43.3
<b>South Dakota</b>									
Rapid City .....	17.0	17.0	17.2	73.9	77.8	77.4	65.1	67.1	65.9
Sioux Falls .....	1.5	1.4	1.4	10.3	11.0	11.0	7.5	8.1	7.9
	8.5	8.7	8.8	22.0	23.3	23.6	8.3	8.3	8.4
<b>Tennessee</b>									
Chattanooga .....	99.2	100.6	99.7	507.9	539.9	530.0	353.7	359.2	354.8
Johnson City-Kingsport-Bristol .....	13.3	13.3	13.3	45.8	50.5	50.4	34.9	35.3	35.1
Knoxville .....	5.5	5.6	5.5	37.3	38.6	38.0	24.6	25.8	25.3
Memphis .....	9.9	10.2	10.1	69.3	73.8	72.9	53.8	55.1	54.9
Nashville .....	24.6	25.0	25.1	123.0	127.2	126.0	78.7	78.7	78.3
	30.0	30.6	30.4	140.7	153.5	151.4	69.1	67.5	66.5
<b>Texas</b>									
Abilene .....	415.7	420.6	420.2	1,762.9	1,884.5	1,882.6	1,314.8	1,367.1	1,361.1
Amarillo .....	2.0	2.0	2.0	15.3	15.9	15.9	9.3	9.9	9.9
Austin .....	4.1	4.1	4.1	19.3	20.1	20.1	15.8	16.3	16.3
Beaumont-Port Arthur .....	23.3	24.0	23.9	102.5	109.4	106.3	112.7	112.8	113.3
Brazoria .....	4.7	4.7	4.7	36.3	38.2	38.0	22.3	22.9	22.9
Brownsville-Harlingen .....	1.8	1.8	1.8	11.3	11.4	11.4	12.2	12.6	12.4
Bryan-College Station .....	3.4	3.4	3.3	18.0	19.3	19.0	18.3	19.4	19.4
Corpus Christi .....	1.8	2.1	2.0	11.3	11.2	11.0	23.4	26.2	24.3
Dallas .....	5.9	6.1	6.0	33.4	34.8	34.8	29.8	31.3	31.0
El Paso .....	123.6	120.6	120.0	373.7	395.0	391.7	167.2	172.8	170.3
Ft. Worth-Arlington .....	8.0	8.4	8.3	44.8	46.2	46.3	45.9	48.2	47.7
Galveston-Texas City .....	27.8	28.1	28.1	140.0	149.9	148.8	79.3	82.6	82.3
Houston .....	5.5	5.7	5.8	14.0	16.2	16.2	22.8	24.4	24.1
Killeen-Temple .....	95.4	97.1	96.8	451.0	466.4	460.5	219.3	225.1	225.8
Laredo .....	3.1	3.5	3.5	18.9	19.9	20.2	23.7	24.4	24.3
Longview-Marshall .....	1.8	1.9	1.9	8.1	8.8	8.8	11.0	11.2	11.1
Lubbock .....	2.5	2.5	2.5	14.5	15.0	15.1	9.4	9.3	9.3
McAllen-Edinburg-Mission .....	4.6	4.5	4.5	25.8	26.7	26.3	23.8	24.4	24.1
Midland .....	3.7	3.8	3.8	18.7	19.7	19.6	29.6	30.7	30.7
Odessa .....	2.2	2.3	2.3	10.2	9.9	9.8	7.2	7.4	7.2
San Angelo .....	1.3	1.3	1.4	8.7	8.4	8.3	8.6	8.8	8.6
San Antonio .....	1.5	1.6	1.6	10.0	10.3	10.4	7.8	7.8	7.9
Sherman-Denison .....	38.3	38.8	38.4	144.5	156.7	155.1	123.1	127.4	127.7
Texas City .....	2.1	2.1	2.0	8.9	9.4	9.4	4.8	4.9	4.9
Tyler .....	1.8	1.8	1.8	11.8	12.2	12.3	12.2	12.3	12.0
Victoria .....	3.0	2.9	2.9	16.5	17.1	17.0	9.8	10.3	10.3
Waco .....	1.5	1.5	1.5	7.3	7.7	7.7	5.5	6.2	5.8
Wichita Falls .....	5.0	5.2	5.2	22.1	23.6	22.1	13.9	14.4	14.4
	2.1	2.2	2.2	12.1	12.6	12.6	9.9	10.2	10.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Utah</b> .....	742.7	788.1	767.6	8.4	8.4	8.5	28.2	35.6	32.2
Provo-Orem .....	98.0	106.7	102.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	5.3	5.0
Salt Lake City-Ogden .....	504.3	535.5	524.6	2.9	3.1	3.1	19.0	23.1	21.0
<b>Vermont</b> .....	244.1	253.5	248.4	.4	.5	.3	9.0	12.0	10.7
Barre-Montpelier .....	32.4	34.3	33.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.5	1.0
Burlington .....	76.6	77.3	75.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.5	3.2
<b>Virginia</b> .....	2,780.1	2,876.7	2,819.8	13.8	13.4	13.1	137.4	146.0	138.2
Bristol .....	33.3	33.8	33.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	1.2	1.1
Charlottesville .....	68.3	71.1	69.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.1	3.1
Danville .....	40.9	41.9	41.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.8	1.6
Lynchburg .....	76.8	78.2	77.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.2	3.0
Norfolk-Virginia Beach-Newport News .....	566.7	593.1	579.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	29.4	31.4	30.3
Northern Virginia .....	743.5	768.6	754.3	.4	.4	.4	34.5	37.1	35.3
Richmond-Petersburg .....	455.7	467.3	459.1	.8	.7	.6	26.4	26.8	25.7
Roanoke .....	123.8	128.9	127.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.6	6.2	5.9
<b>Washington</b> .....	2,151.6	2,240.9	2,189.4	3.3	3.3	3.2	107.4	117.7	110.0
Seattle .....	1,104.8	1,139.3	1,117.5	.6	.5	.5	56.4	59.3	56.3
<b>West Virginia</b> .....	621.2	648.0	635.2	32.5	30.4	30.3	23.2	27.2	25.3
Charleston .....	111.1	115.1	112.7	2.0	1.9	1.9	4.5	5.5	4.9
Huntington-Ashland .....	109.1	112.9	110.8	1.5	1.6	1.6	3.8	5.1	4.4
Parkersburg-Marietta .....	61.4	64.2	62.7	.4	.4	.4	2.9	3.0	2.7
Wheeling .....	58.6	60.5	59.2	2.1	1.6	1.6	1.6	2.1	1.7
<b>Wisconsin</b> .....	2,268.8	2,379.8	2,318.8	1.6	2.0	1.8	76.3	92.1	82.2
Appleton-Oshkosh-Neenah .....	162.8	172.8	168.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.4	9.1	8.7
Eau Claire .....	58.2	60.4	57.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.7	1.5
Green Bay .....	108.3	113.9	111.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	6.3	6.0
Janesville-Beloit .....	59.2	60.7	60.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.4	2.2
Kenosha .....	44.0	46.5	46.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.9	1.9
La Crosse .....	55.0	57.7	56.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.8	1.9
Madison .....	221.9	237.7	230.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.1	9.9	9.1
Milwaukee .....	741.5	774.1	757.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	24.1	28.6	25.8
Racine .....	73.9	75.4	74.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.8	2.7
Sheboygan .....	51.0	53.5	52.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	2.3	2.1
Wausau .....	53.7	55.4	54.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.6	2.3
<b>Wyoming</b> .....	195.9	203.5	197.2	17.4	17.8	17.2	9.3	10.5	8.9
Casper .....	27.4	28.8	27.6	2.2	2.2	2.1	1.1	1.4	1.2
<b>Puerto Rico</b> .....	838.9	859.8	843.7	.9	.9	.9	44.6	46.7	45.8
Caguas .....	56.5	58.1	56.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.7	1.7
Mayaguez .....	59.2	55.9	59.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.3
Ponce .....	55.7	57.9	57.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.6	3.4
San Juan .....	509.1	523.3	514.1	.5	.5	.5	31.3	33.1	31.9
<b>Virgin Islands</b> .....	43.9	45.3	45.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	4.5	4.5

See footnotes at end of table.



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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Utah</b> .....	105.3	105.7	103.5	42.2	44.4	43.4	177.6	192.7	182.1
Provo-Orem .....	13.6	13.5	13.2	2.2	2.0	2.0	22.3	25.9	24.0
Salt Lake City-Ogden .....	67.8	69.7	68.4	33.1	35.1	34.4	124.6	134.3	128.0
<b>Vermont</b> .....	43.5	43.5	42.7	10.6	11.0	10.9	57.0	59.0	57.5
Barre-Montpelier .....	4.0	4.6	4.3	.9	.9	.8	7.1	7.3	7.1
Burlington .....	15.0	14.0	13.9	3.3	3.5	3.4	18.0	18.7	17.8
<b>Virginia</b> .....	407.1	406.3	405.9	144.3	148.1	144.5	618.8	652.5	622.9
Bristol .....	10.3	9.9	10.0	1.2	1.2	1.2	8.6	8.7	8.5
Charlottesville .....	7.9	7.9	7.7	2.3	2.5	2.4	13.8	14.1	13.8
Danville .....	15.6	15.7	15.7	1.0	1.1	1.0	8.3	8.7	8.2
Lynchburg .....	23.3	22.5	22.7	2.6	2.8	2.7	16.6	17.3	16.7
Norfolk-Virginia Beach-Newport News .....	62.8	62.0	62.3	27.8	28.6	28.1	132.8	143.0	135.1
Northern Virginia .....	32.6	32.1	32.0	48.8	48.9	47.3	164.7	170.8	164.0
Richmond-Petersburg .....	63.1	61.9	61.9	22.8	23.0	22.1	105.0	110.7	107.6
Roanoke .....	18.5	19.0	19.0	8.3	8.4	8.3	34.0	35.6	34.3
<b>Washington</b> .....	342.6	341.5	336.1	110.6	113.8	110.5	518.9	552.2	531.8
Seattle .....	214.0	207.8	206.3	68.0	70.7	68.6	260.1	273.8	264.6
<b>West Virginia</b> .....	81.5	82.4	82.5	37.3	38.6	37.8	142.2	151.0	145.4
Charleston .....	10.8	10.6	10.5	8.7	9.0	8.8	27.8	28.8	27.8
Huntington-Ashland .....	19.6	19.3	19.1	7.2	7.2	7.2	27.6	28.4	27.5
Parkersburg-Marietta .....	13.4	13.5	13.4	2.5	2.6	2.5	14.7	15.6	14.9
Wheeling .....	6.8	6.8	6.7	3.2	3.4	3.3	15.0	15.6	15.2
<b>Wisconsin</b> .....	536.0	544.7	543.0	105.9	110.8	108.7	530.4	558.4	536.5
Appleton-Oshkosh-Neenah .....	53.7	55.3	55.2	6.7	7.4	7.5	34.2	36.7	34.6
Eau Claire .....	10.6	10.1	10.2	3.1	3.2	3.2	16.0	17.0	16.2
Green Bay .....	23.2	24.2	24.3	7.7	8.1	8.1	26.5	27.2	26.3
Janesville-Beloit .....	18.7	18.1	17.9	2.2	2.4	2.4	13.8	14.3	14.0
Kenosha .....	9.6	9.7	9.9	1.5	1.5	1.5	12.8	14.2	14.3
La Crosse .....	10.3	10.2	10.2	2.3	2.3	2.4	15.4	16.3	15.4
Madison .....	24.6	25.7	25.7	7.7	8.3	8.1	49.4	52.4	49.8
Milwaukee .....	164.3	165.9	165.9	36.3	37.0	36.3	167.0	174.2	169.9
Racine .....	24.4	24.2	24.2	2.4	2.4	2.2	16.4	16.8	16.2
Sheboygan .....	20.3	20.7	20.8	1.7	1.7	1.7	9.8	10.2	10.1
Wausau .....	14.5	15.3	15.3	3.4	3.3	3.4	12.5	13.0	12.8
<b>Wyoming</b> .....	9.1	9.4	9.1	14.2	14.1	13.9	44.0	46.1	44.3
Casper .....	1.6	1.6	1.5	1.5	1.6	1.6	7.8	8.3	7.8
<b>Puerto Rico</b> .....	150.0	151.0	147.6	20.9	21.9	21.8	157.5	163.3	158.3
Caguas .....	16.2	15.4	15.1	.5	.4	.4	11.6	12.3	12.2
Mayaguez .....	17.6	17.2	16.7	.4	.5	.5	10.1	10.2	10.0
Ponce .....	10.1	10.4	10.2	1.4	1.8	2.0	9.2	10.1	9.7
San Juan .....	61.4	63.3	62.3	16.7	17.9	17.9	104.9	109.6	106.6
<b>Virgin Islands</b> .....	2.7	2.8	2.8	2.5	2.5	2.5	10.0	9.9	9.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Utah</b> .....	36.4	37.7	37.4	188.4	204.8	201.8	156.2	158.8	158.7
Provo-Orem .....	2.5	2.7	2.7	37.9	41.4	40.3	15.3	15.9	15.6
Salt Lake City-Ogden .....	29.8	31.0	30.8	125.5	134.7	133.3	101.6	104.5	105.6
<b>Vermont</b> .....	11.9	11.7	11.6	68.0	71.0	70.9	43.7	44.8	43.8
Barre-Montpelier .....	2.7	2.6	2.8	8.5	9.0	9.0	8.1	8.4	8.3
Burlington .....	4.1	4.0	4.0	20.9	20.9	21.1	12.3	12.7	12.3
<b>Virginia</b> .....	147.6	148.4	147.8	725.4	759.6	752.8	585.7	602.4	594.6
Bristol .....	1.2	1.2	1.2	5.7	6.0	6.1	5.3	5.6	5.4
Charlottesville .....	3.5	3.7	3.6	14.9	15.8	15.5	22.5	24.0	22.9
Danville .....	1.3	1.2	1.2	7.4	7.7	7.6	5.7	5.7	5.7
Lynchburg .....	3.6	3.6	3.6	17.9	19.1	18.9	9.8	9.7	9.9
Norfolk-Virginia Beach-Newport News .....	25.4	25.4	25.5	150.7	160.6	157.4	137.8	142.1	140.4
Northern Virginia .....	47.2	48.4	47.9	260.6	272.8	270.5	154.7	158.1	156.9
Richmond-Petersburg .....	38.8	38.1	38.1	102.9	108.9	106.8	95.9	97.2	96.3
Roanoke .....	8.7	8.9	9.0	31.7	34.3	34.5	16.0	16.5	16.6
<b>Washington</b> .....	118.9	117.9	116.1	533.7	563.2	554.4	418.2	431.3	427.3
Seattle .....	72.7	73.6	72.6	277.9	290.8	288.2	155.1	162.8	160.4
<b>West Virginia</b> .....	24.3	24.7	24.6	152.2	160.2	159.2	128.0	133.5	130.1
Charleston .....	6.3	6.3	6.4	30.9	32.4	32.2	20.1	20.6	20.2
Huntington-Ashland .....	3.8	3.7	3.7	25.8	27.5	27.5	19.8	20.1	19.6
Parkersburg-Marietta .....	2.2	2.4	2.4	15.2	16.0	15.9	10.1	10.7	10.5
Wheeling .....	2.9	3.0	3.0	17.8	18.4	18.1	9.2	9.6	9.6
<b>Wisconsin</b> .....	124.4	128.0	128.0	547.0	576.9	566.4	347.1	366.9	350.3
Appleton-Oshkosh-Neenah .....	8.1	8.6	8.5	34.8	36.6	36.2	17.9	19.1	18.4
Eau Claire .....	2.0	2.0	2.0	13.9	14.3	14.0	11.1	11.9	10.8
Green Bay .....	6.5	6.9	6.9	26.9	28.6	27.6	12.3	12.7	12.6
Janesville-Beloit .....	1.6	1.7	1.8	13.8	13.9	14.1	7.3	7.9	7.8
Kenosha .....	1.4	1.4	1.4	10.6	11.1	10.8	6.3	6.8	6.8
La Crosse .....	1.8	1.8	1.7	15.3	16.4	16.1	8.3	8.7	8.7
Madison .....	19.8	20.5	20.4	51.2	54.9	54.3	61.1	66.0	63.0
Milwaukee .....	51.6	52.9	52.9	211.9	224.9	221.8	86.3	90.5	85.5
Racine .....	2.3	2.3	2.3	17.5	17.8	18.1	8.8	9.1	9.2
Sheboygan .....	2.2	2.3	2.3	9.7	10.0	9.6	5.7	6.2	5.9
Wausau .....	3.9	4.0	4.0	10.0	10.2	10.2	6.5	6.7	6.6
<b>Wyoming</b> .....	6.9	7.4	7.3	38.1	39.4	38.8	56.9	58.8	57.7
Casper .....	1.1	1.1	1.1	6.7	7.0	6.8	5.4	5.6	5.5
<b>Puerto Rico</b> .....	36.8	36.1	36.1	137.4	143.1	140.0	290.9	296.8	293.2
Caguas .....	1.3	1.2	1.3	8.4	9.5	8.7	16.9	17.5	17.4
Mayaguez .....	1.5	1.5	1.5	8.0	9.5	9.2	19.1	19.4	19.5
Ponce .....	1.6	1.6	1.7	11.3	12.3	12.2	18.1	18.1	18.3
San Juan .....	29.0	28.6	28.5	95.7	97.5	96.4	169.8	172.9	170.0
<b>Virgin Islands</b> .....	2.0	2.1	2.1	9.5	9.7	9.7	13.5	13.8	13.5

<sup>1</sup> Combined with construction.  
<sup>2</sup> Not available.  
<sup>P</sup> = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1992 benchmarks.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1964 .....	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965 .....	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966 .....	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967 .....	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968 .....	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969 .....	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970 .....	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971 .....	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972 .....	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973 .....	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974 .....	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975 .....	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976 .....	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977 .....	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978 .....	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979 .....	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980 .....	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981 .....	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982 .....	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983 .....	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984 .....	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985 .....	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986 .....	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987 .....	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988 .....	34.7	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989 .....	34.6	9.66	334.24	43.0	13.26	570.18	37.9	13.54	513.17
1990 .....	34.5	10.01	345.35	44.1	13.68	603.29	38.2	13.77	526.01
1991 .....	34.3	10.33	354.32	44.4	14.18	629.59	38.1	13.99	533.02
1992 .....	34.4	10.59	364.30	44.0	14.51	638.44	38.0	14.11	536.18
<b>Monthly data, not seasonally adjusted</b>									
<b>1992:</b>									
February .....	34.2	\$10.52	\$359.78	43.9	\$14.52	\$637.43	36.6	\$13.87	\$507.64
March .....	34.3	10.54	361.52	43.8	14.54	636.85	37.3	14.03	523.32
April .....	34.2	10.54	360.47	43.6	14.52	633.07	38.2	14.02	535.56
May .....	34.4	10.55	362.92	43.9	14.45	634.36	38.9	14.05	546.55
June .....	34.6	10.53	364.34	43.8	14.51	635.54	38.9	14.09	548.10
July .....	34.6	10.53	364.34	43.2	14.47	625.10	38.9	14.05	546.55
August .....	35.0	10.56	369.60	44.5	14.45	643.03	39.0	14.20	553.80
September .....	34.3	10.66	365.64	44.0	14.57	641.08	37.1	14.18	526.08
October .....	34.5	10.69	368.81	44.4	14.44	641.14	39.0	14.25	555.75
November .....	34.6	10.73	371.26	44.7	14.58	651.73	37.5	14.20	532.50
December .....	34.5	10.71	369.50	44.4	14.55	646.02	37.2	14.23	529.36
<b>1993:</b>									
January <sup>o</sup> .....	34.0	10.77	366.18	43.8	14.71	644.30	36.1	14.16	511.18
February <sup>p</sup> .....	34.2	10.78	368.68	43.5	14.59	634.67	36.7	14.09	517.10

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>										
1964 .....	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965 .....	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.08
1966 .....	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967 .....	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.87	115.66
1968 .....	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.90
1969 .....	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970 .....	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.43	136.86
1971 .....	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.42
1972 .....	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973 .....	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.54
1974 .....	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	169.94
1975 .....	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1976 .....	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
1977 .....	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978 .....	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979 .....	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980 .....	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.4	6.95	266.88
1981 .....	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.68
1982 .....	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.46
1983 .....	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.79
1984 .....	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.88
1985 .....	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.36
1986 .....	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.72
1987 .....	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988 .....	41.1	10.19	9.73	418.81	38.8	12.26	475.69	38.1	9.98	380.24
1989 .....	41.0	10.48	10.02	429.68	38.9	12.60	490.14	38.0	10.39	394.82
1990 .....	40.8	10.83	10.37	441.86	38.9	12.97	504.53	38.1	10.79	411.10
1991 .....	40.7	11.18	10.71	455.03	38.7	13.24	512.39	38.1	11.15	424.82
1992 .....	41.0	11.45	10.94	469.45	38.8	13.49	523.41	38.2	11.40	435.48
<b>Monthly data, not seasonally adjusted</b>										
<b>1992:</b>										
February .....	40.6	\$11.32	\$10.87	\$459.59	38.4	\$13.47	\$517.25	38.2	\$11.36	\$433.95
March .....	40.9	11.36	10.89	464.62	38.2	13.38	511.12	38.2	11.34	433.19
April .....	40.4	11.41	10.96	460.96	38.2	13.43	513.03	38.2	11.34	433.19
May .....	41.1	11.44	10.94	470.18	38.7	13.39	518.19	38.3	11.35	434.71
June .....	41.2	11.45	10.93	471.74	38.9	13.40	521.26	38.2	11.33	432.81
July .....	40.7	11.46	10.96	466.42	39.2	13.43	526.46	38.2	11.38	434.72
August .....	41.1	11.44	10.91	470.18	39.5	13.50	533.25	38.5	11.43	440.06
September .....	41.0	11.53	11.00	472.73	39.1	13.61	532.15	38.1	11.46	436.63
October .....	41.3	11.49	10.95	474.54	39.0	13.59	530.01	38.2	11.46	437.77
November .....	41.6	11.54	11.00	480.06	39.5	13.65	539.18	38.4	11.53	442.75
December .....	41.9	11.63	11.07	487.30	39.2	13.60	533.12	38.2	11.53	440.45
<b>1993:</b>										
January <sup>2</sup> .....	41.1	11.60	11.09	476.76	38.9	13.59	528.65	37.8	11.62	439.24
February <sup>2</sup> .....	41.0	11.61	11.10	476.01	39.2	13.61	533.51	37.8	11.63	439.61

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1964 .....	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965 .....	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966 .....	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967 .....	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968 .....	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969 .....	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970 .....	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971 .....	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972 .....	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973 .....	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974 .....	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975 .....	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987 .....	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988 .....	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989 .....	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990 .....	28.8	6.75	194.40	35.8	9.97	356.93	32.5	9.83	319.48
1991 .....	28.6	6.95	198.77	35.7	10.40	371.28	32.4	10.22	331.13
1992 .....	28.8	7.14	205.63	35.8	10.82	387.36	32.5	10.54	342.55
<b>Monthly data, not seasonally adjusted</b>									
<b>1992:</b>									
February .....	28.4	\$7.10	\$201.64	36.4	\$10.81	\$393.48	32.5	\$10.54	\$342.55
March .....	28.4	7.11	201.92	36.2	10.80	390.96	32.5	10.53	342.23
April .....	28.6	7.12	203.63	35.7	10.75	383.78	32.3	10.50	339.15
May .....	28.7	7.12	204.34	35.6	10.76	383.06	32.4	10.47	339.23
June .....	29.0	7.10	205.90	35.6	10.70	380.92	32.5	10.42	338.65
July .....	29.3	7.10	208.03	35.6	10.73	381.99	32.7	10.41	340.41
August .....	29.6	7.10	210.16	36.3	10.84	393.49	33.0	10.45	344.85
September .....	29.0	7.21	209.09	35.5	10.84	384.82	32.2	10.61	341.64
October .....	28.7	7.19	206.35	35.6	10.91	388.40	32.4	10.63	344.41
November .....	28.7	7.21	206.93	36.2	11.06	400.37	32.6	10.72	349.47
December .....	29.2	7.19	209.95	35.7	11.04	394.13	32.3	10.75	347.23
<b>1993:</b>									
January <sup>p</sup> .....	28.0	7.26	203.28	35.7	11.14	397.70	32.1	10.80	346.68
February <sup>p</sup> .....	28.4	7.25	205.90	35.7	11.22	400.55	32.3	10.82	349.49

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

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1991 forward are subject to revision.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Total private</b> .....		34.4	33.8	34.5	34.0	34.2	-	-	-	-	-
<b>Mining</b> .....		44.0	43.4	44.4	43.8	43.5	-	-	-	-	-
Metal mining .....	10	42.9	42.9	43.2	43.1	-	-	-	-	-	-
Iron ores .....	101	41.6	41.4	40.8	43.2	-	-	-	-	-	-
Copper ores .....	102	44.6	45.4	44.5	45.4	-	-	-	-	-	-
Coal mining .....	12	43.9	45.2	44.8	45.4	-	-	-	-	-	-
Bituminous coal and lignite mining .....	122	44.0	45.3	45.1	45.6	-	-	-	-	-	-
Oil and gas extraction .....	13	43.9	43.2	44.7	43.6	-	-	-	-	-	-
Crude petroleum and natural gas .....	131	41.6	41.9	42.3	42.7	-	-	-	-	-	-
Oil and gas field services .....	138	45.4	44.0	46.1	44.1	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	44.9	42.1	44.1	42.6	-	-	-	-	-	-
Crushed and broken stone .....	142	45.2	41.9	44.0	42.7	-	-	-	-	-	-
<b>Construction</b> .....		38.0	36.7	37.2	36.1	36.7	-	-	-	-	-
General building contractors .....	15	37.5	36.7	37.0	36.1	-	-	-	-	-	-
Residential building construction .....	152	36.6	35.5	35.8	34.8	-	-	-	-	-	-
Operative builders .....	153	38.4	37.8	37.2	36.3	-	-	-	-	-	-
Nonresidential building construction .....	154	38.4	37.7	38.2	37.4	-	-	-	-	-	-
Heavy construction, except building .....	16	41.7	39.5	39.5	38.2	-	-	-	-	-	-
Highway and street construction .....	161	42.3	37.0	37.8	36.1	-	-	-	-	-	-
Heavy construction, except highway .....	162	41.5	40.3	40.1	38.8	-	-	-	-	-	-
Special trade contractors .....	17	37.1	35.9	36.7	35.6	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	38.7	38.1	38.7	38.0	-	-	-	-	-	-
Painting and paper hanging .....	172	36.1	34.8	35.7	33.9	-	-	-	-	-	-
Electrical work .....	173	38.8	38.3	39.1	38.4	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	34.6	33.2	33.9	32.6	-	-	-	-	-	-
Carpentry and floor work .....	175	35.1	34.3	35.4	33.3	-	-	-	-	-	-
Roofing, siding, and sheet metal work .....	176	33.7	30.7	32.4	29.1	-	-	-	-	-	-
<b>Manufacturing</b> .....		41.0	40.6	41.9	41.1	41.0	3.8	3.4	4.2	3.8	3.8
<b>Durable goods</b> .....		41.5	41.0	42.6	41.7	41.7	3.7	3.3	4.3	3.8	3.9
Lumber and wood products .....	24	40.6	39.8	40.8	39.8	40.3	3.8	3.2	3.8	3.5	-
Logging .....	241	40.5	39.4	38.7	37.3	-	5.0	3.8	4.4	4.3	-
Sawmills and planing mills .....	242	41.6	41.3	41.9	41.4	-	4.4	4.1	4.5	4.5	-
Sawmills and planing mills, general .....	2421	42.0	41.7	42.3	41.5	-	4.7	4.4	4.8	4.7	-
Hardwood dimension and flooring mills .....	2426	40.4	40.0	40.9	41.3	-	3.2	2.8	3.5	3.7	-
Millwork, plywood, and structural members .....	243	40.6	39.6	40.8	39.8	-	3.5	2.8	3.5	3.1	-
Millwork .....	2431	39.9	39.1	40.0	39.1	-	2.9	2.2	2.9	2.4	-
Wood kitchen cabinets .....	2434	40.2	38.8	40.5	39.5	-	3.5	2.6	3.3	3.0	-
Hardwood veneer and plywood .....	2435	41.4	41.2	42.2	41.7	-	4.1	3.8	4.7	4.5	-
Softwood veneer and plywood .....	2436	43.0	42.7	43.6	42.2	-	5.0	4.7	5.1	4.9	-
Wood containers .....	244	39.1	38.9	39.4	38.3	-	2.9	2.7	3.1	2.6	-
Wood buildings and mobile homes .....	245	39.5	36.7	40.2	38.6	-	2.8	1.4	3.4	2.4	-
Mobile homes .....	2451	39.7	37.2	40.6	38.9	-	3.0	1.5	3.6	2.6	-
Miscellaneous wood products .....	249	39.9	39.2	41.2	40.0	-	3.0	2.8	3.2	3.0	-
Furniture and fixtures .....	25	39.7	39.1	41.1	39.8	39.6	2.8	2.4	3.6	2.7	-
Household furniture .....	251	38.9	38.4	40.2	39.5	-	2.3	2.0	3.2	2.6	-
Wood household furniture .....	2511	39.1	38.7	40.3	40.0	-	2.2	1.9	2.9	2.5	-
Upholstered household furniture .....	2512	37.7	37.0	39.8	38.3	-	1.9	1.6	3.4	2.1	-
Metal household furniture .....	2514	40.8	40.2	41.9	40.6	-	3.5	2.6	4.7	3.0	-
Mattresses and bedsprings .....	2515	40.2	40.6	40.2	41.9	-	2.9	3.1	2.8	4.2	-
Office furniture .....	252	40.0	39.6	43.2	40.0	-	2.9	3.1	3.9	2.8	-
Public building and related furniture .....	253	42.2	41.9	43.2	41.9	-	4.1	3.8	4.7	3.5	-
Partitions and fixtures .....	254	41.1	40.4	41.2	39.7	-	3.9	3.0	4.1	3.1	-
Miscellaneous furniture and fixtures .....	259	40.9	39.4	44.0	40.1	-	3.0	2.1	4.5	2.3	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Total private</b> .....		\$10.59	\$10.50	\$10.71	\$10.77	\$10.78	\$364.30	\$354.90	\$369.50	\$366.18	\$368.68
<b>Mining</b> .....		14.51	14.59	14.55	14.71	14.59	638.44	633.21	646.02	644.30	634.67
Metal mining .....	10	15.22	14.98	15.42	15.27	-	652.94	642.64	666.14	658.14	-
Iron ores .....	101	16.52	15.99	17.10	15.73	-	687.23	661.99	697.68	679.54	-
Copper ores .....	102	13.83	13.64	13.86	13.92	-	616.82	619.26	616.77	631.97	-
Coal mining .....	12	17.20	17.20	17.35	17.50	-	755.08	777.44	777.28	794.50	-
Bituminous coal and lignite mining .....	122	17.35	17.34	17.54	17.69	-	763.40	785.50	791.05	806.66	-
Oil and gas extraction .....	13	13.97	14.02	13.89	14.06	-	613.28	605.66	620.88	613.02	-
Crude petroleum and natural gas .....	131	16.75	16.82	16.59	16.58	-	696.80	704.76	701.76	707.97	-
Oil and gas field services .....	138	12.20	12.18	12.33	12.49	-	553.88	535.92	568.41	550.81	-
Nonmetallic minerals, except fuels .....	14	12.27	12.01	12.47	12.41	-	550.92	505.62	549.93	528.67	-
Crushed and broken stone .....	142	11.55	11.04	11.60	11.42	-	522.06	462.58	510.40	487.63	-
<b>Construction</b> .....		14.11	14.04	14.23	14.16	14.09	536.18	515.27	529.36	511.18	517.10
General building contractors .....	15	13.39	13.34	13.51	13.52	-	502.13	489.58	499.87	488.07	-
Residential building construction .....	152	12.45	12.25	12.56	12.62	-	455.67	434.88	449.65	439.18	-
Operative builders .....	153	13.97	14.86	13.44	13.50	-	536.45	561.71	499.97	490.05	-
Nonresidential building construction .....	154	14.25	14.23	14.39	14.34	-	547.20	536.47	549.70	536.32	-
Heavy construction, except building .....	16	13.89	13.51	13.74	13.55	-	579.21	533.65	542.73	517.61	-
Highway and street construction .....	161	13.55	12.77	12.92	12.75	-	573.17	472.49	488.38	460.28	-
Heavy construction, except highway .....	162	14.04	13.72	14.02	13.77	-	582.66	552.92	562.20	534.28	-
Special trade contractors .....	17	14.44	14.45	14.63	14.56	-	535.72	518.76	536.92	518.34	-
Plumbing, heating, and air conditioning .....	171	14.83	14.72	15.00	14.90	-	573.92	560.83	580.50	566.20	-
Painting and paper hanging .....	172	13.14	12.98	13.36	13.15	-	474.35	451.70	476.95	445.79	-
Electrical work .....	173	15.42	15.35	15.65	15.47	-	598.30	587.91	611.92	594.05	-
Masonry, stonework, and plastering .....	174	14.46	14.56	14.41	14.47	-	500.32	483.39	488.50	471.72	-
Carpentry and floor work .....	175	14.48	14.22	14.58	14.36	-	508.25	487.75	516.13	478.19	-
Roofing, siding, and sheet metal work .....	176	12.49	12.56	12.81	12.74	-	420.91	385.59	415.04	370.73	-
<b>Manufacturing</b> .....		11.45	11.29	11.63	11.60	11.61	469.45	458.37	487.30	476.76	476.01
<b>Durable goods</b> .....		12.02	11.84	12.22	12.18	12.18	498.83	485.44	520.57	507.91	507.91
Lumber and wood products .....	24	9.43	9.34	9.50	9.45	9.51	382.86	371.73	387.60	376.11	383.25
Logging .....	241	11.24	10.99	11.23	10.99	-	455.22	433.01	434.60	409.93	-
Sawmills and planing mills .....	242	9.60	9.51	9.75	9.73	-	399.36	392.76	408.53	402.82	-
Sawmills and planing mills, general .....	2421	9.95	9.87	10.14	10.13	-	417.90	411.58	428.92	420.40	-
Hardwood dimension and flooring mills .....	2426	8.01	7.90	8.06	8.09	-	323.60	316.00	329.65	334.12	-
Millwork, plywood, and structural members .....	243	9.47	9.40	9.52	9.51	-	384.48	372.24	388.42	378.50	-
Millwork .....	2431	9.71	9.62	9.75	9.69	-	387.43	376.14	390.00	378.88	-
Wood kitchen cabinets .....	2434	8.94	9.01	8.99	8.97	-	359.39	349.59	364.10	354.32	-
Hardwood veneer and plywood .....	2435	8.18	8.05	8.17	8.30	-	338.65	331.66	344.77	346.11	-
Softwood veneer and plywood .....	2436	10.93	10.69	11.10	11.17	-	469.99	456.46	483.96	471.37	-
Wood containers .....	244	6.89	6.80	6.99	7.01	-	269.40	264.52	275.41	268.48	-
Wood buildings and mobile homes .....	245	9.18	9.05	9.22	9.19	-	362.61	332.14	370.64	354.73	-
Mobile homes .....	2451	9.21	9.07	9.17	9.21	-	365.64	337.40	372.30	358.27	-
Miscellaneous wood products .....	249	8.73	8.72	8.82	8.79	-	348.33	341.82	363.38	351.60	-
Furniture and fixtures .....	25	9.00	8.85	9.18	9.15	9.14	357.30	346.04	377.30	364.17	361.94
Household furniture .....	251	8.40	8.25	8.61	8.61	-	326.76	316.80	346.12	340.10	-
Wood household furniture .....	2511	7.83	7.70	7.97	8.02	-	306.15	297.99	321.19	320.80	-
Upholstered household furniture .....	2512	9.22	9.07	9.53	9.42	-	347.59	335.59	379.29	360.79	-
Metal household furniture .....	2514	8.43	8.15	8.49	8.51	-	343.94	327.63	355.73	345.51	-
Mattresses and bedsprings .....	2515	8.72	8.69	8.91	9.13	-	350.54	352.81	358.18	382.55	-
Office furniture .....	252	9.75	9.68	9.88	9.86	-	390.00	383.33	426.82	394.40	-
Public building and related furniture .....	253	9.56	9.54	9.73	9.64	-	403.43	399.73	420.34	403.92	-
Partitions and fixtures .....	254	10.32	10.10	10.51	10.39	-	424.15	408.04	433.01	412.48	-
Miscellaneous furniture and fixtures .....	259	9.36	9.34	9.47	9.59	-	382.82	368.00	416.68	384.56	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	42.2	40.3	42.1	41.0	41.4	4.9	3.7	4.6	4.2	-
Flat glass .....	321	44.6	44.2	45.0	43.9	-	5.9	5.5	6.1	5.6	-
Glass and glassware, pressed or blown .....	322	42.5	41.6	42.5	42.8	-	4.7	4.3	4.6	4.8	-
Glass containers .....	3221	43.1	41.7	43.4	43.8	-	5.8	5.4	5.6	6.0	-
Pressed and blown glass, nec .....	3229	41.9	41.6	41.7	41.8	-	3.6	3.2	3.7	3.7	-
Products of purchased glass .....	323	41.3	40.5	42.6	42.1	-	3.2	2.4	4.0	3.3	-
Cement, hydraulic .....	324	42.3	42.7	42.9	43.4	-	4.0	4.6	3.8	4.9	-
Structural clay products .....	325	40.7	40.0	40.9	40.6	-	3.3	2.8	3.5	2.9	-
Pottery and related products .....	326	40.8	39.8	42.9	42.0	-	3.3	2.4	3.7	3.2	-
Concrete, gypsum, and plaster products .....	327	43.0	38.8	41.0	38.6	-	6.3	4.1	5.1	4.4	-
Concrete block and brick .....	3271	44.1	41.4	42.3	40.6	-	6.4	4.5	5.4	4.5	-
Concrete products, nec .....	3272	42.9	41.0	42.9	41.3	-	5.4	4.1	5.0	4.5	-
Ready-mixed concrete .....	3273	42.2	35.4	38.7	35.1	-	6.6	3.3	4.5	3.5	-
Misc. nonmetallic mineral products .....	329	42.1	41.6	43.5	42.4	-	4.7	3.9	5.0	4.4	-
Abrasive products .....	3291	41.5	41.4	43.3	42.9	-	3.5	3.3	4.4	4.1	-
Asbestos products .....	3292	41.3	39.8	44.0	43.0	-	5.5	4.1	5.7	5.3	-
Primary metal industries .....	33	43.0	42.4	43.8	43.6	43.5	5.0	4.4	5.3	5.2	-
Blast furnaces and basic steel products .....	331	43.5	42.5	44.0	43.9	44.1	5.3	4.4	5.4	5.6	-
Blast furnaces and steel mills .....	3312	43.6	42.7	43.9	44.0	-	5.4	4.5	5.4	5.7	-
Steel pipe and tubes .....	3317	42.8	41.1	45.1	44.8	-	4.6	3.6	5.5	5.3	-
Iron and steel foundries .....	332	43.0	42.0	44.0	43.4	-	4.8	3.9	5.4	5.1	-
Gray and ductile iron foundries .....	3321	43.3	41.7	44.0	43.9	-	5.2	3.8	5.4	5.2	-
Malleable iron foundries .....	3322	44.8	44.0	46.8	44.1	-	6.8	4.6	9.6	7.3	-
Steel foundries, nec .....	3325	41.7	41.8	43.0	42.1	-	3.9	3.4	5.0	4.6	-
Primary nonferrous metals .....	333	43.4	43.9	43.2	43.6	-	5.4	5.1	5.1	4.9	-
Primary aluminum .....	3334	43.1	43.2	43.0	43.4	-	5.6	5.2	5.1	4.7	-
Nonferrous rolling and drawing .....	335	43.3	42.8	44.3	44.0	-	5.6	5.1	5.9	5.8	-
Copper rolling and drawing .....	3351	43.0	44.0	43.2	44.4	-	6.2	6.2	6.3	7.2	-
Aluminum sheet, plate, and foil .....	3353	45.3	44.7	46.2	46.7	-	7.6	7.2	7.3	7.3	-
Nonferrous wire drawing and insulating .....	3357	42.1	41.4	43.3	42.7	-	4.6	4.1	4.9	5.0	-
Nonferrous foundries (castings) .....	336	41.1	41.3	42.2	41.8	-	3.4	3.4	3.8	3.7	-
Aluminum foundries .....	3365	41.4	41.1	42.1	41.4	-	3.7	3.3	3.8	3.8	-
Fabricated metal products .....	34	41.6	41.1	42.7	41.7	41.6	3.8	3.3	4.3	3.8	-
Metal cans and shipping containers .....	341	43.3	42.1	45.2	43.4	-	5.7	4.5	5.9	5.6	-
Metal cans .....	3411	43.5	42.4	45.5	43.1	-	5.7	4.5	6.0	5.5	-
Cutlery, handtools, and hardware .....	342	41.2	41.1	42.9	41.2	-	3.0	2.8	4.0	3.1	-
Hand and edge tools, and blades and handsaws .....	3423.5	41.0	40.7	42.6	41.4	-	3.0	3.0	3.7	3.0	-
Hardware, nec .....	3429	41.1	40.9	42.8	40.9	-	2.8	2.4	4.0	3.1	-
Plumbing and heating, except electric .....	343	41.6	41.7	42.3	41.2	-	3.8	3.8	4.0	3.3	-
Plumbing fixture fittings and trim .....	3432	42.2	43.0	42.2	42.3	-	4.1	4.7	4.2	4.0	-
Heating equipment, except electric .....	3433	39.7	39.3	42.2	39.1	-	2.6	2.1	3.6	1.6	-
Fabricated structural metal products .....	344	41.1	40.7	41.8	40.6	-	3.6	3.1	4.1	3.3	-
Fabricated structural metal .....	3441	41.4	41.1	43.0	41.6	-	4.1	3.4	5.3	4.1	-
Metal doors, sash, and trim .....	3442	40.1	38.9	39.5	38.6	-	2.9	1.8	2.5	2.0	-
Fabricated plate work (boiler shops) .....	3443	42.4	43.3	43.0	41.8	-	4.2	4.5	4.9	4.1	-
Sheet metal work .....	3444	40.6	39.9	41.3	40.1	-	3.1	2.6	3.5	2.8	-
Architectural metal work .....	3446	40.0	38.9	40.6	40.1	-	3.3	2.7	3.3	3.2	-
Screw machine products, bolts, etc .....	345	41.5	41.4	42.7	42.4	-	4.0	3.8	4.4	4.7	-
Screw machine products .....	3451	41.3	40.9	41.7	41.5	-	3.6	3.4	3.9	4.1	-
Bolts, nuts, rivets, and washers .....	3452	41.8	41.8	43.8	43.4	-	4.4	4.2	5.0	5.4	-
Metal forgings and stampings .....	346	42.1	41.5	43.4	42.7	-	3.9	3.2	4.7	4.1	-
Iron and steel forgings .....	3462	41.4	41.4	43.4	43.4	-	3.6	2.6	5.0	4.1	-
Automotive stampings .....	3465	42.8	41.7	44.1	42.9	-	4.2	3.1	5.0	4.2	-
Metal stampings, nec .....	3469	41.1	40.8	42.1	41.9	-	3.5	3.1	3.9	3.7	-
Metal services, nec .....	347	41.1	40.5	42.4	41.5	-	3.8	3.5	4.2	3.7	-
Plating and polishing .....	3471	40.5	39.9	41.7	41.2	-	3.4	3.0	3.8	3.3	-
Metal coating and allied services .....	3479	42.0	41.4	43.5	41.9	-	4.5	4.2	4.9	4.4	-
Ordnance and accessories, nec .....	348	42.1	42.4	43.4	42.0	-	3.8	4.2	4.2	3.8	-
Ammunition, except for small arms, nec .....	3483	41.5	41.6	42.6	40.9	-	3.4	4.1	3.4	3.1	-
Misc. fabricated metal products .....	349	41.6	41.1	43.1	42.4	-	3.6	3.2	4.4	4.0	-
Valves and pipe fittings, nec .....	3494	42.1	42.3	43.1	43.0	-	3.7	3.5	4.5	4.5	-
Misc. fabricated wire products .....	3496	40.6	40.1	42.1	41.8	-	3.1	2.8	3.7	3.5	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Feb. 1993 <sup>a</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Feb. 1993 <sup>a</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	\$11.64	\$11.46	\$11.68	\$11.71	\$11.72	\$491.21	\$461.84	\$491.73	\$480.11	\$485.21
Flat glass .....	321	16.49	15.99	16.67	16.64	-	735.45	706.76	750.15	730.50	-
Glass and glassware, pressed or blown .....	322	13.02	12.87	13.12	13.24	-	553.35	535.39	557.60	566.67	-
Glass containers .....	3221	13.70	13.67	13.55	13.59	-	590.47	570.04	588.07	595.24	-
Pressed and blown glass, nec .....	3229	12.38	12.12	12.71	12.90	-	518.72	504.19	530.01	539.22	-
Products of purchased glass .....	323	10.02	9.77	10.22	10.32	-	413.83	395.69	435.37	434.47	-
Cement, hydraulic .....	324	14.74	14.50	14.88	14.95	-	623.50	619.15	638.35	648.83	-
Structural clay products .....	325	9.99	9.84	10.03	10.18	-	406.59	393.60	410.23	413.31	-
Pottery and related products .....	326	10.07	9.97	9.93	10.15	-	410.86	396.81	426.00	426.30	-
Concrete, gypsum, and plaster products .....	327	11.17	10.85	11.10	10.94	-	480.31	420.98	455.10	422.28	-
Concrete block and brick .....	3271	10.44	10.05	10.49	10.44	-	460.40	416.07	443.73	423.86	-
Concrete products, nec .....	3272	10.04	9.83	10.09	9.94	-	430.72	403.03	432.86	410.52	-
Ready-mixed concrete .....	3273	11.91	11.62	11.77	11.56	-	502.60	411.35	455.50	405.76	-
Misc. nonmetallic mineral products .....	329	12.09	11.96	12.22	12.19	-	508.99	497.54	531.57	516.86	-
Abrasive products .....	3291	10.33	10.27	10.56	10.60	-	428.70	425.18	457.25	454.74	-
Asbestos products .....	3292	12.64	12.05	13.36	13.25	-	522.03	479.59	587.84	569.75	-
Primary metal industries .....	33	13.67	13.42	13.82	13.77	13.75	587.81	569.01	605.32	600.37	598.13
Blast furnaces and basic steel products .....	331	15.89	15.52	16.11	16.04	16.05	691.22	659.60	708.84	704.16	707.81
Blast furnaces and steel mills .....	3312	16.87	16.41	17.14	17.05	-	735.53	700.71	752.45	750.20	-
Steel pipe and tubes .....	3317	12.38	12.23	12.55	12.60	-	529.86	502.65	566.01	564.48	-
Iron and steel foundries .....	332	12.22	11.92	12.34	12.20	-	525.46	500.64	542.96	529.48	-
Gray and ductile iron foundries .....	3321	12.66	12.27	12.75	12.59	-	548.18	511.66	561.00	552.70	-
Malleable iron foundries .....	3322	12.92	12.56	13.33	12.60	-	578.82	552.64	623.84	555.66	-
Steel foundries, nec .....	3325	11.54	11.39	11.76	11.81	-	481.22	476.10	505.68	497.20	-
Primary nonferrous metals .....	333	14.93	14.74	15.13	15.01	-	647.96	647.09	653.62	654.44	-
Primary aluminum .....	3334	15.25	15.11	15.29	15.21	-	657.28	652.75	657.47	660.11	-
Nonferrous rolling and drawing .....	335	12.92	12.72	13.08	13.08	-	559.44	544.42	579.44	575.52	-
Copper rolling and drawing .....	3351	12.42	12.23	12.72	12.62	-	534.06	538.12	549.50	560.33	-
Aluminum sheet, plate, and foil .....	3353	15.57	15.42	15.65	15.53	-	705.32	689.27	723.03	725.25	-
Nonferrous wire drawing and insulating .....	3357	12.83	12.52	12.94	13.11	-	540.14	518.33	560.30	559.80	-
Nonferrous foundries (castings) .....	336	10.86	10.80	11.04	11.05	-	446.35	446.04	465.89	461.89	-
Aluminum foundries .....	3365	10.47	10.53	10.62	10.62	-	433.46	432.78	447.10	439.67	-
Fabricated metal products .....	34	11.41	11.29	11.59	11.53	11.53	474.66	464.02	494.89	480.80	479.65
Metal cans and shipping containers .....	341	14.88	14.83	15.09	15.00	-	644.30	624.34	682.07	651.00	-
Metal cans .....	3411	15.86	15.79	16.10	16.06	-	689.91	669.50	732.55	692.19	-
Cutlery, handtools, and hardware .....	342	11.27	11.20	11.59	11.49	-	464.32	460.32	497.21	473.39	-
Hand and edge tools, and blades and handsaws .....	3423.5	10.52	10.45	10.70	10.77	-	431.32	425.32	455.82	445.88	-
Hardware, nec .....	3429	11.44	11.40	11.82	11.63	-	470.18	466.26	505.90	475.67	-
Plumbing and heating, except electric .....	343	10.23	10.06	10.41	10.35	-	425.57	419.50	440.34	426.42	-
Plumbing fixture fittings and trim .....	3432	9.79	9.71	9.95	10.04	-	413.14	417.53	419.89	424.69	-
Heating equipment, except electric .....	3433	10.35	10.08	10.59	10.35	-	410.90	396.14	446.90	404.69	-
Fabricated structural metal products .....	344	10.69	10.64	10.84	10.74	-	439.36	433.05	453.11	436.04	-
Fabricated structural metal .....	3441	10.69	10.61	10.80	10.76	-	442.57	436.07	464.40	447.62	-
Metal doors, sash, and trim .....	3442	8.99	8.91	9.01	8.98	-	360.50	346.60	355.90	346.63	-
Fabricated plate work (boiler shops) .....	3443	11.85	11.65	12.15	12.02	-	502.44	504.45	522.45	502.44	-
Sheet metal work .....	3444	10.93	10.95	11.04	10.95	-	443.76	436.91	455.95	439.10	-
Architectural metal work .....	3446	10.19	10.23	10.18	9.83	-	407.60	397.95	413.31	394.18	-
Screw machine products, bolts, etc .....	345	11.39	11.33	11.50	11.54	-	472.69	469.06	491.05	489.30	-
Screw machine products .....	3451	10.56	10.53	10.66	10.67	-	436.13	430.68	444.52	442.81	-
Bolts, nuts, rivets, and washers .....	3452	12.31	12.16	12.42	12.49	-	514.56	508.29	544.00	542.07	-
Metal forgings and stampings .....	346	13.47	13.20	13.67	13.64	-	567.09	547.80	593.28	582.43	-
Iron and steel forgings .....	3462	13.47	13.17	13.73	13.49	-	557.66	545.24	595.88	585.47	-
Automotive stampings .....	3465	15.26	14.94	15.44	15.48	-	653.13	623.00	680.90	664.09	-
Metal stampings, nec .....	3469	10.82	10.70	11.00	10.99	-	444.70	436.56	463.10	460.48	-
Metal services, nec .....	347	9.49	9.41	9.63	9.58	-	390.04	381.11	408.31	397.57	-
Plating and polishing .....	3471	9.43	9.40	9.58	9.55	-	381.92	375.06	399.49	393.46	-
Metal coating and allied services .....	3479	9.58	9.42	9.72	9.64	-	402.36	389.99	422.82	403.92	-
Ordnance and accessories, nec .....	348	12.61	12.46	12.73	12.89	-	530.88	528.30	552.48	541.38	-
Ammunition, except for small arms, nec .....	3483	12.44	12.30	12.52	12.82	-	516.26	511.68	533.35	524.34	-
Misc. fabricated metal products .....	349	10.72	10.61	10.90	10.82	-	445.95	436.07	469.79	458.77	-
Valves and pipe fittings, nec .....	3494	11.35	11.24	11.51	11.35	-	477.84	475.45	496.08	488.05	-
Misc. fabricated wire products .....	3496	9.39	9.31	9.59	9.60	-	381.23	373.33	403.74	401.28	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	42.2	41.8	43.7	42.9	42.7	4.0	3.6	4.9	4.4	-
Engines and turbines .....	351	43.6	42.1	45.8	44.2	-	4.6	3.4	5.6	4.6	-
Turbines and turbine generator sets .....	3511	43.3	41.3	46.9	43.0	-	5.1	2.9	7.6	3.7	-
Internal combustion engines, nec .....	3519	43.7	42.5	45.4	44.7	-	4.3	3.6	4.8	5.0	-
Farm and garden machinery .....	352	40.3	39.6	41.8	41.8	-	3.0	3.2	3.5	3.7	-
Farm-machinery and equipment .....	3523	40.4	38.7	42.5	41.8	-	3.0	3.0	3.7	3.5	-
Construction and related machinery .....	353	43.4	42.4	44.5	44.1	-	4.0	3.2	5.2	4.8	-
Construction machinery .....	3531	44.0	42.4	43.8	43.9	-	3.5	2.2	4.3	4.3	-
Mining machinery .....	3532	40.8	41.3	41.3	41.3	-	3.6	3.9	3.9	4.1	-
Oil and gas field machinery .....	3533	45.6	44.2	47.9	48.3	-	5.1	4.0	7.4	7.2	-
Conveyors and conveying equipment .....	3535	43.1	42.2	45.8	43.6	-	4.8	4.1	6.9	5.7	-
Industrial trucks and tractors .....	3537	40.2	39.2	41.9	40.9	-	3.1	2.3	4.1	3.1	-
Metalworking machinery .....	354	42.8	42.6	44.4	43.8	-	4.8	4.5	5.8	5.6	-
Machine tools, metal cutting types .....	3541	42.0	41.5	44.3	43.0	-	4.0	3.6	5.2	4.1	-
Machine tools, metal forming types .....	3542	42.1	41.5	44.2	44.2	-	4.1	3.7	5.6	5.4	-
Special dies, tools, jigs, and fixtures .....	3544	43.4	43.5	44.9	44.5	-	5.6	5.5	6.6	6.6	-
Machine tool accessories .....	3545	42.4	42.2	43.5	42.8	-	3.9	3.7	4.3	4.0	-
Power driven handtools .....	3546	42.3	42.3	44.1	42.6	-	3.5	3.3	3.9	3.7	-
Special industry machinery .....	355	42.0	41.8	43.8	42.7	-	4.1	3.8	5.3	4.5	-
Textile machinery .....	3552	42.5	42.7	44.3	43.1	-	3.9	4.0	5.0	4.4	-
Printing trades machinery .....	3555	39.7	38.0	42.5	41.3	-	3.6	2.6	5.4	4.5	-
Food products machinery .....	3556	41.9	42.0	43.3	42.5	-	4.1	3.6	5.2	4.5	-
General industrial machinery .....	356	41.8	41.6	43.6	42.5	-	3.8	3.2	5.0	4.3	-
Pumps and pumping equipment .....	3561	41.3	40.9	42.8	42.0	-	3.6	3.1	4.8	3.8	-
Ball and roller bearings .....	3562	42.0	41.8	43.5	43.3	-	4.1	3.3	5.3	5.4	-
Air and gas compressors .....	3563	43.2	43.5	43.9	43.5	-	4.7	4.3	5.3	4.8	-
Blowers and fans .....	3564	40.6	40.1	43.0	40.4	-	3.1	2.0	4.4	2.8	-
Speed changers, drives, and gears .....	3566	42.7	41.8	46.0	44.5	-	4.9	3.8	6.4	6.0	-
Power transmission equipment, nec .....	3568	41.6	41.8	43.7	43.3	-	3.8	3.4	5.0	4.1	-
Computer and office equipment .....	357	42.0	41.5	43.1	41.7	-	3.1	2.7	4.2	3.4	-
Electronic computers .....	3571	41.3	41.7	42.7	40.7	-	2.9	2.5	4.2	2.9	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	42.4	42.2	43.5	42.4	-	3.7	3.8	3.7	3.6	-
Refrigeration and service machinery .....	358	41.4	41.0	43.2	41.8	-	3.5	3.3	3.9	3.2	-
Refrigeration and heating equipment .....	3585	41.8	41.3	43.3	42.0	-	3.7	3.6	3.8	3.3	-
Misc. industrial and commercial machinery .....	359	42.1	42.0	43.4	42.9	-	4.3	4.1	5.0	4.6	-
Carburetors, pistons, rings, valves .....	3592	41.3	41.2	41.8	42.8	-	3.5	2.8	3.5	4.2	-
Scales, balances, and industrial machinery, nec .....	3596,9	42.2	42.0	43.4	43.0	-	4.4	4.3	5.2	4.8	-
Electronic and other electrical equipment .....	36	41.2	41.0	42.7	41.8	41.6	3.4	3.1	4.3	3.7	-
Electric distribution equipment .....	361	41.5	41.6	42.9	41.9	-	3.3	3.0	4.2	3.6	-
Transformers, except electronic .....	3612	40.5	40.6	41.5	40.8	-	3.2	3.0	4.0	3.3	-
Switchgear and switchboard apparatus .....	3613	42.5	42.8	44.6	43.2	-	3.4	3.0	4.4	3.9	-
Electrical industrial apparatus .....	362	41.8	42.0	43.1	42.3	-	3.0	2.9	3.8	3.3	-
Motors and generators .....	3621	42.0	42.4	43.3	42.5	-	3.2	3.2	3.9	3.4	-
Relays and industrial controls .....	3625	40.9	41.0	42.4	41.4	-	2.5	2.3	3.1	2.7	-
Household appliances .....	363	40.5	40.5	42.3	40.7	-	3.0	3.0	4.2	3.6	-
Household refrigerators and freezers .....	3632	40.3	40.2	45.5	41.5	-	3.0	2.3	6.1	4.7	-
Household laundry equipment .....	3633	39.7	40.1	40.4	40.1	-	1.9	2.3	2.5	2.4	-
Electric housewares and fans .....	3634	41.1	40.0	41.2	40.2	-	3.1	2.5	3.2	2.8	-
Electric lighting and wiring equipment .....	364	40.6	40.3	42.1	41.8	-	3.1	2.8	4.0	3.6	-
Electric lamps .....	3641	42.3	40.8	43.4	45.3	-	3.5	3.0	4.6	4.5	-
Current-carrying wiring devices .....	3643	39.8	39.5	41.1	41.4	-	2.6	2.5	3.4	3.6	-
Noncurrent-carrying wiring devices .....	3644	42.7	42.3	44.1	42.5	-	3.5	3.0	4.2	3.4	-
Residential lighting fixtures .....	3645	38.1	38.8	39.4	38.9	-	2.5	2.5	2.7	2.4	-
Household audio and video equipment .....	365	41.0	40.7	41.6	40.8	-	3.5	2.6	4.2	3.2	-
Household audio and video equipment .....	3651	40.7	40.6	41.8	41.3	-	3.1	2.6	3.7	2.7	-
Communications equipment .....	366	41.9	40.9	45.1	43.2	-	3.6	3.3	4.7	3.9	-
Telephone and telegraph apparatus .....	3661	43.2	41.7	48.4	45.3	-	4.4	4.0	6.0	4.9	-
Electronic components and accessories .....	367	41.1	40.8	42.2	41.6	-	3.7	3.4	4.5	4.1	-
Electron tubes .....	3671	40.7	41.0	41.9	41.2	-	3.5	3.7	3.9	3.5	-
Semiconductors and related devices .....	3674	42.6	42.3	43.4	42.3	-	4.7	4.3	5.4	4.7	-
Electronic components, nec .....	3679	39.4	39.6	40.1	39.6	-	2.6	2.5	3.2	3.0	-
Misc. electrical equipment and supplies .....	369	41.6	41.4	42.2	41.3	-	3.3	3.1	3.8	3.4	-
Storage batteries .....	3691	42.5	42.4	43.3	40.2	-	3.4	3.0	4.0	2.5	-
Engine electrical equipment .....	3694	41.5	41.4	41.7	41.4	-	3.3	3.2	3.7	3.6	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Feb. 1993 <sup>P</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Feb. 1993 <sup>P</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	\$12.43	\$12.23	\$12.66	\$12.61	\$12.63	\$524.55	\$511.21	\$553.24	\$540.97	\$539.30
Engines and turbines .....	351	15.67	15.42	15.86	15.68	-	683.21	649.18	726.39	693.06	-
Turbines and turbine generator sets .....	3511	16.16	15.48	17.11	16.15	-	699.73	639.32	802.46	694.45	-
Internal combustion engines, nec .....	3519	15.47	15.40	15.35	15.50	-	676.04	654.50	696.89	692.85	-
Farm and garden machinery .....	352	11.66	11.25	12.03	11.82	-	469.90	445.50	502.85	494.08	-
Farm-machinery and equipment .....	3523	12.73	12.48	13.13	13.01	-	514.29	482.20	558.03	543.82	-
Construction and related machinery .....	353	12.68	12.11	12.94	12.87	-	550.31	513.46	575.83	567.57	-
Construction machinery .....	3531	14.22	13.15	14.53	14.44	-	625.68	557.56	636.41	633.92	-
Mining machinery .....	3532	12.64	12.51	12.90	12.76	-	515.71	516.66	532.77	526.99	-
Oil and gas field machinery .....	3533	11.51	11.36	11.59	11.68	-	524.86	502.11	555.16	564.14	-
Conveyors and conveying equipment .....	3535	11.61	11.69	11.88	11.72	-	500.39	493.32	544.10	510.99	-
Industrial trucks and tractors .....	3537	11.00	10.88	11.21	11.07	-	442.20	426.50	469.70	452.76	-
Metalworking machinery .....	354	12.96	12.79	13.28	13.28	-	554.69	544.85	589.63	581.66	-
Machine tools, metal cutting types .....	3541	13.34	13.04	13.69	13.54	-	560.28	541.16	606.47	582.22	-
Machine tools, metal forming types .....	3542	12.97	12.85	13.32	13.33	-	546.04	533.28	588.74	589.19	-
Special dies, tools, jigs, and fixtures .....	3543	13.48	13.34	13.79	13.83	-	585.03	580.29	619.17	615.44	-
Machine tool accessories .....	3545	11.56	11.49	11.77	11.65	-	490.14	484.88	512.00	498.62	-
Power driven handtools .....	3546	10.59	10.54	10.75	10.72	-	447.96	445.84	474.08	456.67	-
Special industry machinery .....	355	12.67	12.46	12.99	12.95	-	532.14	520.83	568.96	552.97	-
Textile machinery .....	3552	10.86	10.68	11.18	11.17	-	461.55	456.04	495.27	481.43	-
Printing trades machinery .....	3555	14.40	14.09	14.78	14.72	-	571.68	535.42	628.15	607.94	-
Food products machinery .....	3556	12.59	12.22	12.89	12.71	-	527.52	513.24	558.14	540.18	-
General industrial machinery .....	356	12.07	11.87	12.38	12.32	-	504.53	493.79	539.77	523.60	-
Pumps and pumping equipment .....	3561	12.90	12.72	13.11	13.04	-	532.77	520.25	561.11	547.68	-
Ball and roller bearings .....	3562	13.00	12.50	13.34	13.27	-	546.00	522.50	580.29	574.59	-
Air and gas compressors .....	3563	12.14	12.04	12.42	12.36	-	524.45	523.74	545.24	537.66	-
Blowers and fans .....	3564	10.31	10.25	10.52	10.28	-	418.59	411.03	452.36	415.31	-
Speed changers, drives, and gears .....	3566	12.74	12.64	13.00	13.16	-	544.00	528.35	598.00	585.62	-
Power transmission equipment, nec .....	3568	11.79	11.54	12.22	12.16	-	490.46	482.37	534.01	526.53	-
Computer and office equipment .....	357	12.33	12.21	12.28	12.26	-	517.86	506.72	529.27	511.24	-
Electronic computers .....	3571	13.02	12.78	13.04	13.21	-	537.73	532.93	556.81	537.65	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	12.50	12.46	12.46	12.30	-	530.00	525.81	542.01	521.52	-
Refrigeration and service machinery .....	358	11.29	11.23	11.49	11.40	-	467.41	460.43	496.37	476.52	-
Refrigeration and heating equipment .....	3585	11.41	11.40	11.57	11.55	-	476.94	470.82	500.98	485.10	-
Misc. industrial and commercial machinery .....	359	11.92	11.89	12.05	12.09	-	501.83	499.38	522.97	518.66	-
Carburetors, pistons, rings, valves .....	3592	12.81	12.55	13.00	13.35	-	529.05	517.06	543.40	571.36	-
Scales, balances, and industrial machinery, nec .....	3596,9	11.60	11.55	11.73	11.77	-	489.52	485.10	509.08	506.11	-
Electronic and other electrical equipment .....	36	11.01	10.87	11.14	11.16	11.10	453.61	445.67	475.68	466.49	461.76
Electric distribution equipment .....	361	10.92	10.95	10.98	10.85	-	453.18	455.52	471.04	454.62	-
Transformers, except electronic .....	3612	10.63	10.79	10.49	10.26	-	430.52	438.07	435.34	418.61	-
Switchgear and switchboard apparatus .....	3613	11.24	11.12	11.50	11.47	-	477.70	475.94	512.90	495.50	-
Electrical industrial apparatus .....	362	10.37	10.25	10.53	10.57	-	433.47	430.50	453.84	447.11	-
Motors and generators .....	3621	9.89	9.82	9.97	10.06	-	415.38	416.37	431.70	427.55	-
Relays and industrial controls .....	3625	11.14	10.90	11.51	11.53	-	455.63	446.90	488.02	477.34	-
Household appliances .....	363	10.48	10.52	10.58	10.62	-	424.44	426.06	447.53	432.23	-
Household refrigerators and freezers .....	3632	11.56	11.68	11.80	11.98	-	465.87	469.54	536.90	497.17	-
Household laundry equipment .....	3633	12.80	12.87	12.91	12.76	-	508.16	516.09	521.56	511.68	-
Electric housewares and fans .....	3634	7.94	7.79	8.25	8.26	-	326.33	311.60	339.90	332.05	-
Electric lighting and wiring equipment .....	364	10.84	10.68	10.99	11.01	-	440.10	430.40	462.68	460.22	-
Electric lamps .....	3641	12.12	12.15	11.77	11.79	-	512.68	495.72	510.82	534.09	-
Current-carrying wiring devices .....	3643	10.64	10.49	10.84	11.00	-	423.47	414.36	445.52	455.40	-
Noncurrent-carrying wiring devices .....	3644	10.12	9.85	10.23	10.20	-	432.12	416.66	451.14	433.50	-
Residential lighting fixtures .....	3645	8.25	8.17	8.40	8.53	-	314.33	317.00	330.96	331.82	-
Household audio and video equipment .....	365	10.85	10.56	11.12	11.13	-	444.85	430.81	462.59	454.10	-
Household audio and video equipment .....	3651	11.20	11.07	11.43	11.45	-	455.84	449.44	477.77	472.89	-
Communications equipment .....	366	11.53	11.51	11.47	11.63	-	483.11	470.76	517.30	502.42	-
Telephone and telegraph apparatus .....	3661	12.21	12.24	11.93	12.27	-	527.47	510.41	577.41	555.83	-
Electronic components and accessories .....	367	10.93	10.72	11.10	11.11	-	449.22	437.38	468.42	462.18	-
Electron tubes .....	3671	12.33	11.67	12.74	12.98	-	501.83	478.47	533.81	534.78	-
Semiconductors and related devices .....	3674	13.80	13.31	14.26	14.23	-	587.88	563.01	618.88	601.93	-
Electronic components, nec .....	3679	9.66	9.67	9.55	9.50	-	380.60	382.93	382.96	376.20	-
Misc. electrical equipment and supplies .....	369	12.06	11.85	12.27	12.18	-	501.70	490.59	517.79	503.03	-
Storage batteries .....	3691	13.04	12.81	13.18	13.06	-	554.20	543.14	570.69	525.01	-
Engine electrical equipment .....	3694	12.56	12.31	12.87	12.89	-	521.24	509.63	536.68	533.65	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	41.8	41.2	43.0	42.1	42.4	3.8	3.2	4.6	3.8	-
Motor vehicles and equipment .....	371	42.4	41.4	43.6	42.7	43.4	4.1	3.2	5.1	4.2	-
Motor vehicles and car bodies .....	3711	41.4	40.8	42.9	41.2	-	3.4	2.9	4.6	3.2	-
Truck and bus bodies .....	3713	42.5	41.5	43.8	42.4	-	4.0	3.0	4.4	4.0	-
Motor vehicle parts and accessories .....	3714	43.1	41.9	44.4	44.0	-	4.7	3.4	5.7	5.1	-
Truck trailers .....	3715	41.6	40.9	43.1	42.1	-	3.9	3.6	4.7	3.9	-
Aircraft and parts .....	372	41.7	41.8	43.1	42.1	-	3.7	3.6	4.3	3.6	-
Aircraft .....	3721	41.6	42.0	42.5	41.9	-	3.6	3.8	3.8	3.5	-
Aircraft engines and engine parts .....	3724	42.3	42.4	43.6	41.8	-	4.3	4.0	4.9	3.7	-
Aircraft parts and equipment, nec .....	3728	41.3	41.1	43.5	42.6	-	3.2	2.9	4.5	3.7	-
Ship and boat building and repairing .....	373	40.2	40.2	40.8	39.9	-	3.0	3.1	3.1	3.0	-
Ship building and repairing .....	3731	40.6	40.7	41.3	40.4	-	3.2	3.5	3.3	3.3	-
Boat building and repairing .....	3732	39.2	39.0	39.4	38.6	-	2.5	2.3	2.6	2.4	-
Railroad equipment .....	374	41.0	40.3	42.1	41.5	-	2.6	1.5	3.5	2.7	-
Guided missiles, space vehicles, and parts .....	376	40.8	40.5	42.0	40.6	-	2.8	3.0	3.5	2.6	-
Guided missiles and space vehicles .....	3761	40.5	40.4	41.9	40.3	-	3.2	3.1	3.9	2.8	-
Misc. transportation equipment .....	379	39.6	39.0	40.2	39.7	-	2.6	2.3	3.0	3.0	-
Travel trailers and campers .....	3792	39.2	37.9	39.9	38.7	-	2.1	2.0	2.6	2.2	-
Instruments and related products .....	38	41.1	40.9	42.1	41.4	40.9	2.8	2.7	3.2	2.7	-
Search and navigation equipment .....	381	40.8	41.0	41.5	41.6	-	2.1	2.0	2.4	1.9	-
Measuring and controlling devices .....	382	41.0	40.4	42.7	41.3	-	2.4	2.3	3.1	2.4	-
Environmental controls .....	3822	40.1	40.3	41.7	40.4	-	2.6	3.0	3.0	2.3	-
Process control instruments .....	3823	41.1	39.4	43.4	42.2	-	2.5	2.0	3.2	2.7	-
Instruments to measure electricity .....	3825	40.7	40.0	42.8	41.5	-	2.1	1.7	2.8	2.0	-
Medical instruments and supplies .....	384	41.2	41.1	42.0	41.2	-	3.1	3.2	3.5	2.9	-
Surgical and medical instruments .....	3841	41.9	41.5	43.2	42.1	-	3.2	3.3	3.8	2.9	-
Surgical appliances and supplies .....	3842	40.2	40.7	40.5	40.2	-	2.9	3.1	3.2	2.9	-
Ophthalmic goods .....	385	39.0	39.0	39.0	39.1	-	2.3	2.3	2.1	2.1	-
Photographic equipment and supplies .....	386	43.6	43.8	44.1	43.1	-	4.4	4.3	5.1	5.1	-
Watches, clocks, watchcases, and parts .....	387	39.3	38.9	40.8	40.7	-	1.4	1.1	1.8	1.8	-
Miscellaneous manufacturing industries .....	39	39.9	39.4	40.4	39.3	39.5	2.8	2.5	2.9	2.4	-
Jewelry, silverware, and plated ware .....	391	38.1	37.4	38.5	36.6	-	2.0	1.3	2.5	.8	-
Jewelry, precious metal .....	3911	37.8	37.3	38.2	36.2	-	2.0	1.3	2.6	.6	-
Musical instruments .....	393	39.2	38.6	39.9	39.7	-	1.9	1.3	2.3	2.1	-
Toys and sporting goods .....	394	40.2	40.0	40.7	39.9	-	3.1	2.9	3.1	2.9	-
Dolls, games, toys, and children's vehicles .....	3942,4	39.5	39.8	39.0	39.3	-	2.8	3.0	2.6	2.7	-
Sporting and athletic goods, nec .....	3949	40.7	40.2	41.8	40.4	-	3.2	2.9	3.4	3.1	-
Pens, pencils, office, and art supplies .....	395	40.6	41.3	41.0	39.5	-	2.7	3.3	2.6	2.0	-
Costume jewelry and notions .....	396	40.7	39.4	41.5	40.1	-	2.9	2.6	2.7	2.1	-
Costume jewelry .....	3961	40.4	38.5	41.3	39.2	-	2.6	2.3	1.8	1.0	-
Miscellaneous manufactures .....	399	39.9	39.3	40.6	39.7	-	2.9	2.6	3.2	2.8	-
Signs and advertising specialties .....	3993	40.0	39.0	40.6	39.1	-	3.3	2.6	3.6	2.8	-
<b>Nondurable goods .....</b>		<b>40.4</b>	<b>40.1</b>	<b>41.1</b>	<b>40.4</b>	<b>40.2</b>	<b>3.8</b>	<b>3.5</b>	<b>4.1</b>	<b>3.7</b>	<b>3.6</b>
Food and kindred products .....	20	40.6	40.2	41.3	40.3	39.9	4.5	4.1	4.6	4.2	-
Meat products .....	201	39.9	40.0	40.6	39.9	-	4.1	4.0	4.4	4.1	-
Meat packing plants .....	2011	41.5	42.2	42.6	41.7	-	5.0	5.3	5.8	5.3	-
Sausages and other prepared meats .....	2013	41.6	41.0	42.5	41.1	-	4.9	4.3	5.2	4.6	-
Poultry slaughtering and processing .....	2015	38.3	38.3	38.7	38.5	-	3.2	3.1	3.3	3.2	-
Dairy products .....	202	41.7	41.2	41.2	41.4	-	4.5	4.0	4.0	4.1	-
Cheese, natural and processed .....	2022	40.2	39.0	39.5	38.9	-	3.7	3.3	3.2	3.0	-
Fluid milk .....	2026	42.7	42.2	42.5	42.5	-	4.6	4.1	4.5	4.4	-
Preserved fruits and vegetables .....	203	40.5	40.0	41.9	40.6	-	4.7	3.8	4.8	4.2	-
Canned specialties .....	2032	44.5	43.7	44.2	45.3	-	7.2	6.5	7.2	7.1	-
Canned fruits and vegetables .....	2033	40.6	39.6	41.4	39.7	-	4.8	2.7	3.3	3.1	-
Frozen fruits and vegetables .....	2037	39.7	39.0	42.1	41.2	-	4.2	3.3	5.5	4.8	-
Grain mill products .....	204	44.6	45.1	46.2	44.6	-	6.9	7.2	7.2	6.7	-
Flour and other grain mill products .....	2041	47.1	45.6	48.2	46.8	-	6.6	6.3	6.5	6.1	-
Prepared feeds, nec .....	2048	44.1	44.2	45.3	44.5	-	6.3	6.7	6.9	6.9	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$15.16	\$14.85	\$15.50	\$15.37	\$15.42	\$633.69	\$811.82	\$666.50	\$647.08	\$653.81
Motor vehicles and equipment .....	371	15.33	15.01	15.61	15.43	15.50	649.99	621.41	680.60	658.86	672.70
Motor vehicles and car bodies .....	3711	18.32	18.26	18.64	18.44	-	758.45	745.01	799.66	759.73	-
Truck and bus bodies .....	3713	13.76	13.08	13.97	13.95	-	584.80	542.82	611.89	591.48	-
Motor vehicle parts and accessories .....	3714	13.95	13.63	14.21	14.09	-	601.25	571.10	630.92	619.96	-
Truck trailers .....	3715	9.79	9.98	9.77	9.58	-	407.26	408.18	421.09	403.32	-
Aircraft and parts .....	372	16.59	16.14	17.15	17.03	-	691.80	674.65	739.17	718.96	-
Aircraft .....	3721	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-	-	-	-	-	-
Aircraft engines and engine parts .....	3724	\$16.28	\$15.88	\$16.74	\$16.48	-	\$688.64	\$673.31	\$729.86	\$688.86	-
Aircraft parts and equipment, nec .....	3728	15.03	14.47	15.79	15.71	-	620.74	594.72	686.87	669.25	-
Ship and boat building and repairing .....	373	11.97	11.82	12.16	12.27	-	481.19	475.16	496.13	489.57	-
Ship building and repairing .....	3731	12.90	12.63	13.13	13.29	-	523.74	514.04	542.27	536.92	-
Boat building and repairing .....	3732	9.59	9.53	9.70	9.71	-	375.93	371.67	382.18	374.81	-
Railroad equipment .....	374	14.34	14.03	14.78	14.60	-	587.94	565.41	622.24	605.90	-
Guided missiles, space vehicles, and parts .....	376	15.97	15.76	16.51	16.56	-	651.58	638.28	693.42	672.34	-
Guided missiles and space vehicles .....	3761	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	-	-	-	-	-	-
Misc. transportation equipment .....	379	\$10.97	\$11.19	\$11.18	\$11.06	-	\$434.41	\$436.41	\$449.44	\$439.08	-
Travel trailers and campers .....	3792	10.04	10.05	10.32	10.17	-	393.57	380.90	411.77	393.58	-
Instruments and related products .....	38	11.93	11.78	12.16	12.12	\$12.11	490.32	481.80	511.94	501.77	\$495.30
Search and navigation equipment .....	381	15.65	15.41	16.09	15.95	-	638.52	631.81	667.74	663.52	-
Measuring and controlling devices .....	382	11.54	11.34	11.90	11.88	-	473.14	458.14	508.13	490.64	-
Environmental controls .....	3822	10.05	9.95	10.26	10.16	-	403.01	400.99	427.84	410.46	-
Process control instruments .....	3823	11.41	11.25	11.71	11.53	-	468.95	443.25	508.21	486.57	-
Instruments to measure electricity .....	3825	12.10	11.70	12.86	13.00	-	492.47	468.00	550.41	539.50	-
Medical instruments and supplies .....	384	10.50	10.24	10.70	10.72	-	432.60	420.86	449.40	441.66	-
Surgical and medical instruments .....	3841	10.61	10.19	10.74	10.81	-	444.56	422.89	463.97	455.10	-
Surgical appliances and supplies .....	3842	10.00	9.88	10.09	10.08	-	402.00	402.12	408.65	405.22	-
Ophthalmic goods .....	385	8.46	8.46	8.43	8.45	-	329.94	329.94	328.77	330.40	-
Photographic equipment and supplies .....	386	14.68	14.61	14.78	14.59	-	640.05	639.92	651.80	628.83	-
Watches, clocks, watchcases, and parts .....	387	7.94	7.91	8.10	8.04	-	312.04	307.70	330.48	327.23	-
Miscellaneous manufacturing industries .....	39	9.14	9.06	9.32	9.31	9.32	364.69	356.96	376.53	365.88	368.14
Jewelry, silverware, and plated ware .....	391	9.55	9.53	9.69	9.65	-	363.86	356.42	373.07	353.19	-
Jewelry, precious metal .....	3911	9.49	9.47	9.65	9.58	-	358.72	353.23	368.63	346.80	-
Musical instruments .....	393	8.87	8.90	8.89	9.10	-	347.70	343.54	354.71	361.27	-
Toys and sporting goods .....	394	8.48	8.36	8.64	8.64	-	340.90	334.40	351.65	344.74	-
Dolls, games, toys, and children's vehicles .....	3942,4	8.11	8.02	8.23	8.24	-	320.35	319.20	320.97	323.83	-
Sporting and athletic goods, nec .....	3949	8.73	8.59	8.90	8.89	-	355.31	345.32	372.02	359.16	-
Pens, pencils, office, and art supplies .....	395	9.91	9.68	10.13	10.22	-	402.35	399.78	415.33	403.69	-
Costume jewelry and notions .....	396	7.91	7.99	8.00	7.99	-	321.94	314.81	332.00	320.40	-
Costume jewelry .....	3961	6.98	7.10	6.91	6.86	-	281.99	273.35	285.38	268.91	-
Miscellaneous manufactures .....	399	9.64	9.57	9.85	9.82	-	384.64	376.10	399.91	389.85	-
Signs and advertising specialties .....	3993	10.03	10.08	10.23	10.07	-	401.20	393.12	415.34	393.74	-
<b>Nondurable goods .....</b>		<b>10.71</b>	<b>10.58</b>	<b>10.87</b>	<b>10.85</b>	<b>10.87</b>	<b>432.68</b>	<b>424.26</b>	<b>446.76</b>	<b>438.34</b>	<b>436.97</b>
Food and kindred products .....	20	10.19	10.08	10.36	10.30	10.30	413.71	405.22	427.87	415.09	410.97
Meat products .....	201	8.31	8.25	8.42	8.39	-	331.57	330.00	341.85	334.76	-
Meat packing plants .....	2011	9.13	9.11	9.21	9.14	-	378.90	384.44	392.35	381.14	-
Sausages and other prepared meats .....	2013	9.61	9.48	9.76	9.68	-	399.78	388.68	414.80	397.85	-
Poultry slaughtering and processing .....	2015	7.26	7.18	7.36	7.41	-	278.06	274.99	284.83	285.29	-
Dairy products .....	202	11.31	11.07	11.44	11.51	-	471.63	456.08	471.33	476.51	-
Cheese, natural and processed .....	2022	10.20	10.01	10.24	10.29	-	410.04	390.39	404.48	400.28	-
Fluid milk .....	2026	11.98	11.62	12.15	12.13	-	511.55	490.36	516.38	515.53	-
Preserved fruits and vegetables .....	203	9.73	9.83	10.07	10.06	-	394.07	393.20	421.93	408.44	-
Canned specialties .....	2032	12.84	12.68	13.06	12.94	-	571.38	554.12	577.25	586.18	-
Canned fruits and vegetables .....	2033	10.00	10.27	10.44	10.55	-	406.00	406.69	432.22	418.84	-
Frozen fruits and vegetables .....	2037	8.68	8.80	9.02	8.97	-	344.60	343.20	379.74	369.56	-
Grain mill products .....	204	12.18	12.05	12.40	12.24	-	543.23	543.46	572.88	545.90	-
Flour and other grain mill products .....	2041	10.90	10.90	10.71	10.61	-	513.39	497.04	516.22	496.55	-
Prepared feeds, nec .....	2048	9.83	9.73	10.08	10.00	-	433.50	430.07	456.62	445.00	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	39.3	38.2	39.6	38.1	-	4.1	3.3	4.4	3.6	-
Bread, cake, and related products .....	2051	39.0	37.9	38.9	37.9	-	4.2	3.4	4.2	3.7	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	40.0	38.6	41.0	38.6	-	3.9	3.1	4.6	3.5	-
Sugar and confectionery products .....	206	40.7	40.1	42.2	40.5	-	3.8	3.1	4.5	3.7	-
Raw cane sugar .....	2061	44.6	50.1	46.6	37.2	-	7.8	10.5	11.6	5.7	-
Cane sugar refining .....	2062	45.5	42.7	45.7	43.9	-	7.6	4.8	8.2	6.3	-
Beet sugar .....	2063	42.3	42.1	41.9	42.6	-	4.8	3.9	4.1	4.6	-
Candy and other confectionery products .....	2064	39.0	37.7	40.8	40.0	-	2.8	1.7	3.3	3.1	-
Fats and oils .....	207	44.4	44.4	46.0	45.0	-	5.9	5.8	6.9	6.0	-
Beverages .....	208	41.6	40.1	42.0	41.0	-	4.8	3.8	4.3	3.9	-
Malt beverages .....	2082	43.2	41.6	44.2	41.6	-	7.1	6.5	6.2	5.7	-
Bottled and canned soft drinks .....	2086	41.0	39.3	41.2	40.7	-	4.2	2.9	3.9	3.6	-
Misc. food and kindred products .....	209	39.3	38.0	39.6	38.1	-	4.3	4.0	4.0	4.0	-
Tobacco products .....	21	38.6	39.1	39.6	38.7	37.0	2.1	2.1	2.8	1.7	-
Cigarettes .....	211	38.4	39.2	38.6	38.4	-	2.3	2.2	3.3	1.9	-
Textile mill products .....	22	41.1	40.6	41.7	41.3	41.2	4.3	4.0	4.7	4.2	-
Broadwoven fabric mills, cotton .....	221	42.0	41.3	42.6	41.6	-	5.9	5.8	6.2	5.5	-
Broadwoven fabric mills, synthetics .....	222	41.1	39.8	41.9	41.8	-	4.0	3.4	4.4	4.2	-
Broadwoven fabric mills, wool .....	223	41.7	42.9	41.1	42.8	-	5.4	5.2	5.2	5.5	-
Narrow fabric mills .....	224	40.0	40.4	41.5	40.4	-	3.1	3.6	4.0	3.1	-
Knitting mills .....	225	39.7	39.7	39.8	39.7	-	3.3	3.1	3.2	3.0	-
Women's hosiery, except socks .....	2251	38.5	38.7	39.0	39.0	-	2.8	3.2	2.7	3.2	-
Hosiery, nec .....	2252	38.6	38.7	39.7	39.7	-	2.7	2.5	3.2	3.0	-
Knit outerwear mills .....	2253	39.9	39.9	39.2	38.3	-	3.7	3.5	3.2	2.1	-
Knit underwear mills .....	2254	39.6	39.5	39.6	40.6	-	2.1	2.2	2.1	2.0	-
Weft knit fabric mills .....	2257	40.8	40.6	41.0	40.3	-	4.2	3.9	4.0	4.0	-
Textile finishing, except wool .....	226	43.2	42.7	44.2	43.1	-	5.7	5.6	6.1	5.5	-
Finishing plants, cotton .....	2261	43.4	43.3	44.7	42.9	-	5.9	6.2	6.5	5.4	-
Finishing plants, synthetics .....	2262	42.8	42.3	44.0	43.0	-	5.6	5.5	6.1	5.4	-
Carpets and rugs .....	227	42.5	41.5	44.1	42.4	-	4.8	4.0	6.2	4.8	-
Yarn and thread mills .....	228	40.7	39.8	41.1	41.2	-	3.9	3.5	4.3	4.1	-
Yarn spinning mills .....	2281	41.1	40.4	41.4	41.6	-	4.1	3.8	4.3	4.4	-
Throwing and winding mills .....	2282	37.4	36.0	38.2	38.4	-	2.6	2.1	3.0	2.7	-
Miscellaneous textile goods .....	229	42.5	41.8	43.4	43.0	-	4.4	3.5	5.7	5.0	-
Apparel and other textile products .....	23	37.2	37.1	37.8	37.3	37.3	1.8	1.7	2.0	1.8	-
Men's and boys' suits and coats .....	231	36.1	37.3	36.6	35.8	-	.8	.8	.9	.7	-
Men's and boys' furnishings .....	232	37.2	37.2	37.9	37.0	-	1.6	1.5	1.8	1.5	-
Men's and boys' shirts .....	2321	37.1	36.7	37.3	36.9	-	1.3	1.2	1.2	1.0	-
Men's and boys' trousers and slacks .....	2325	36.7	36.4	38.3	36.5	-	1.6	1.6	2.2	1.5	-
Men's and boys' work clothing .....	2326	36.6	36.9	37.3	37.1	-	1.5	1.3	1.7	1.5	-
Women's and misses' outerwear .....	233	36.4	36.4	37.0	36.8	-	1.8	2.0	1.9	1.8	-
Women's and misses' blouses and shirts .....	2331	35.8	36.4	36.0	36.7	-	1.0	1.3	.7	1.3	-
Women's, juniors', and misses' dresses .....	2335	35.7	35.5	35.4	36.2	-	1.8	1.6	1.7	1.7	-
Women's and misses' suits and coats .....	2337	35.6	35.4	35.7	35.6	-	1.8	1.9	1.8	1.8	-
Women's and misses' outerwear, nec .....	2339	36.8	36.8	37.7	37.1	-	2.0	2.4	2.1	2.0	-
Women's and children's undergarments .....	234	37.4	37.0	37.3	37.3	-	1.8	1.4	1.7	1.5	-
Women's and children's underwear .....	2341	37.8	37.2	37.5	37.7	-	1.8	1.3	1.7	1.4	-
Brassieres, girdles, and allied garments .....	2342	35.8	35.9	36.2	35.5	-	1.9	1.8	2.0	1.7	-
Girls' and children's outerwear .....	236	36.9	38.1	37.6	37.4	-	1.7	2.1	1.8	1.9	-
Girls' and children's dresses and blouses .....	2361	36.4	38.2	37.0	36.4	-	1.7	2.1	2.0	2.1	-
Misc. apparel and accessories .....	238	37.3	36.9	37.4	37.0	-	1.6	1.2	1.7	1.3	-
Misc. fabricated textile products .....	239	38.8	38.0	39.5	38.8	-	2.5	1.7	2.9	2.5	-
Curtains and draperies .....	2391	37.1	35.8	38.8	38.1	-	1.8	.6	2.7	2.5	-
House furnishings, nec .....	2392	38.2	37.4	39.0	37.1	-	2.5	2.1	2.9	1.9	-
Automotive and apparel trimmings .....	2396	40.0	38.8	40.8	40.8	-	3.1	1.7	3.7	3.1	-
Paper and allied products .....	26	43.6	43.4	44.3	43.5	43.2	5.3	4.9	5.4	5.0	-
Paper mills .....	262	45.5	45.1	45.8	45.0	-	6.3	5.9	6.0	5.8	-
Paperboard mills .....	263	45.4	45.2	45.8	45.0	-	7.2	7.0	6.7	6.1	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	\$11.50	\$11.34	\$11.77	\$11.72	-	\$451.95	\$433.19	\$466.09	\$446.53	-
Bread, cake, and related products .....	2051	11.45	11.27	11.63	11.65	-	446.55	427.13	452.41	441.54	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	11.59	11.47	12.02	11.85	-	463.60	442.74	492.82	457.41	-
Sugar and confectionery products .....	206	11.02	10.64	10.90	11.09	-	448.51	426.66	459.98	449.15	-
Raw cane sugar .....	2061	10.52	10.72	10.12	10.44	-	469.19	537.07	471.59	388.37	-
Cane sugar refining .....	2062	15.26	15.16	15.32	15.04	-	694.33	647.33	700.12	660.26	-
Beet sugar .....	2063	11.13	10.34	11.10	11.01	-	470.80	435.31	465.09	469.03	-
Candy and other confectionery products .....	2064	10.09	9.66	9.98	10.11	-	393.51	364.18	407.18	404.40	-
Fats and oils .....	207	10.67	10.19	10.67	10.63	-	473.75	452.44	490.82	478.35	-
Beverages .....	208	14.33	14.05	14.57	14.16	-	596.13	563.41	611.94	580.56	-
Malt beverages .....	2082	19.70	19.38	19.98	19.26	-	851.04	806.21	883.12	801.22	-
Bottled and canned soft drinks .....	2086	11.66	11.40	11.75	11.70	-	478.06	448.02	484.10	476.19	-
Misc. food and kindred products .....	209	9.34	9.35	9.49	9.48	-	367.06	355.30	375.80	360.43	-
Tobacco products .....	21	16.69	15.86	16.00	15.48	\$15.96	644.23	620.13	633.60	598.30	\$590.52
Cigarettes .....	211	20.68	20.45	21.41	20.33	-	794.11	801.64	826.43	780.67	-
Textile mill products .....	22	8.60	8.49	8.77	8.80	8.82	353.46	344.69	365.71	363.44	363.38
Broadwoven fabric mills, cotton .....	221	8.94	8.86	9.07	9.15	-	375.48	365.92	386.38	380.64	-
Broadwoven fabric mills, synthetics .....	222	9.26	9.13	9.41	9.43	-	380.59	363.37	394.28	394.17	-
Broadwoven fabric mills, wool .....	223	9.12	9.07	9.21	9.36	-	380.30	389.10	378.53	400.61	-
Narrow fabric mills .....	224	8.12	8.00	8.26	8.29	-	324.80	323.20	342.79	334.92	-
Knitting mills .....	225	7.88	7.77	8.04	8.08	-	312.84	308.47	319.99	320.78	-
Women's hosiery, except socks .....	2251	7.43	7.38	7.51	7.61	-	286.06	285.61	292.89	296.79	-
Hosiery, nec .....	2252	7.52	7.48	7.68	7.73	-	290.27	289.48	304.90	306.88	-
Knit outerwear mills .....	2253	7.67	7.53	7.82	7.74	-	306.03	300.45	306.54	296.44	-
Knit underwear mills .....	2254	7.72	7.65	7.90	8.07	-	305.71	302.18	312.84	327.64	-
Weft knit fabric mills .....	2257	8.77	8.64	9.00	9.08	-	357.82	350.78	369.00	365.92	-
Textile finishing, except wool .....	226	9.03	9.00	9.14	9.14	-	390.10	384.30	403.99	393.93	-
Finishing plants, cotton .....	2261	8.96	8.97	8.97	8.96	-	388.88	388.40	400.96	384.38	-
Finishing plants, synthetics .....	2262	9.39	9.33	9.56	9.57	-	401.89	394.66	420.64	411.51	-
Carpets and rugs .....	227	8.59	8.46	8.73	8.65	-	365.08	351.09	384.99	366.76	-
Yarn and thread mills .....	228	8.31	8.20	8.47	8.53	-	338.22	326.36	348.12	351.44	-
Yarn spinning mills .....	2281	8.29	8.24	8.45	8.52	-	340.72	332.90	349.83	354.43	-
Throwing and winding mills .....	2282	8.55	8.19	8.73	8.70	-	319.77	294.84	333.49	334.08	-
Miscellaneous textile goods .....	229	10.08	9.84	10.45	10.55	-	428.40	411.31	453.53	453.65	-
Apparel and other textile products .....	23	6.95	6.83	7.04	7.05	7.05	258.54	253.39	266.11	262.97	262.97
Men's and boys' suits and coats .....	231	7.54	7.51	7.66	7.72	-	272.19	280.12	280.36	276.38	-
Men's and boys' furnishings .....	232	6.51	6.44	6.64	6.71	-	242.17	239.57	251.66	248.27	-
Men's and boys' shirts .....	2321	6.47	6.43	6.54	6.65	-	240.04	235.98	243.94	245.39	-
Men's and boys' trousers and slacks .....	2325	6.36	6.33	6.48	6.48	-	233.41	230.41	248.18	236.52	-
Men's and boys' work clothing .....	2326	6.32	6.20	6.43	6.51	-	231.31	228.78	239.84	241.52	-
Women's and misses' outerwear .....	233	6.58	6.57	6.57	6.62	-	239.51	239.15	243.09	243.82	-
Women's and misses' blouses and shirts .....	2331	5.94	5.94	5.99	6.14	-	212.65	216.22	215.64	225.34	-
Women's, juniors', and misses' dresses .....	2335	7.00	6.91	7.04	6.96	-	249.90	245.31	249.22	251.95	-
Women's and misses' suits and coats .....	2337	7.11	7.19	7.18	7.09	-	253.12	254.53	256.33	252.40	-
Women's and misses' outerwear, nec .....	2339	6.49	6.49	6.47	6.55	-	238.83	238.63	243.92	243.01	-
Women's and children's undergarments .....	234	6.67	6.57	6.73	6.78	-	249.46	243.09	251.03	252.89	-
Women's and children's underwear .....	2341	6.48	6.42	6.50	6.52	-	244.94	238.82	243.75	245.80	-
Brassieres, girdles, and allied garments .....	2342	7.63	7.34	7.78	8.01	-	273.15	263.51	281.64	284.36	-
Girls' and children's outerwear .....	236	6.28	6.26	6.37	6.46	-	231.73	238.51	239.51	241.60	-
Girls' and children's dresses and blouses .....	2361	6.20	6.09	6.35	6.37	-	225.68	232.64	234.95	231.87	-
Misc. apparel and accessories .....	238	6.80	6.74	6.94	6.89	-	253.64	248.71	259.56	254.93	-
Misc. fabricated textile products .....	239	8.24	7.91	8.35	8.22	-	319.71	300.58	329.83	318.94	-
Curtains and draperies .....	2391	7.02	6.78	7.13	7.06	-	260.44	242.72	276.64	268.99	-
House furnishings, nec .....	2392	7.05	6.95	7.17	7.09	-	269.31	259.93	279.63	263.04	-
Automotive and apparel trimmings .....	2396	10.79	10.23	10.85	10.37	-	431.60	396.92	442.68	423.10	-
Paper and allied products .....	26	13.09	12.90	13.29	13.19	13.23	570.72	559.86	588.75	573.77	571.54
Paper mills .....	262	16.07	15.79	16.24	16.08	-	731.19	712.13	743.79	723.60	-
Paperboard mills .....	263	16.24	15.94	16.48	16.41	-	737.30	720.49	754.78	738.45	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	43.0	42.9	43.8	43.0	-	4.8	4.3	5.2	4.7	-
Corrugated and solid fiber boxes .....	2653	43.6	43.3	44.4	43.8	-	5.2	4.6	5.4	5.0	-
Sanitary food containers .....	2656	43.0	42.8	43.6	41.8	-	4.6	3.6	4.2	3.6	-
Folding paperboard boxes .....	2657	42.6	43.0	43.3	42.6	-	5.0	4.8	5.5	5.3	-
Misc. converted paper products .....	267	42.2	42.2	43.2	42.4	-	4.3	4.0	4.6	4.4	-
Paper, coated and laminated, nec .....	2672	42.4	42.7	43.0	41.8	-	3.7	3.4	4.1	3.4	-
Bags: plastics, laminated, and coated .....	2673	41.8	41.3	42.2	42.1	-	4.8	4.2	4.7	4.6	-
Envelopes .....	2677	41.4	41.9	42.7	42.8	-	3.5	3.5	4.7	4.6	-
Printing and publishing .....	27	38.1	37.6	38.7	37.8	37.8	2.9	2.4	3.3	2.6	-
Newspapers .....	271	33.0	32.1	33.8	32.4	-	1.1	.7	1.5	.7	-
Periodicals .....	272	37.7	38.2	37.6	37.3	-	2.8	3.2	2.6	2.4	-
Books .....	273	39.6	39.5	41.2	39.2	-	3.2	2.8	3.8	3.0	-
Book publishing .....	2731	38.6	38.9	40.1	38.9	-	2.2	2.1	2.8	2.5	-
Book printing .....	2732	41.0	40.4	42.6	39.5	-	4.5	3.7	5.0	3.6	-
Miscellaneous publishing .....	274	35.7	35.6	36.8	36.3	-	1.7	1.5	2.3	1.6	-
Commercial printing .....	275	39.7	39.1	40.1	39.4	-	3.7	3.1	3.9	3.3	-
Commercial printing, lithographic .....	2752	39.7	38.9	39.8	39.3	-	3.6	3.1	3.8	3.2	-
Commercial printing, nec .....	2759	39.3	38.8	40.2	39.2	-	3.4	2.8	3.9	3.2	-
Manifold business forms .....	276	41.2	40.9	42.6	41.1	-	3.4	3.0	4.6	3.6	-
Blankbooks and bookbinding .....	278	38.1	37.8	38.9	36.2	-	2.1	1.8	2.5	2.1	-
Printing trade services .....	279	39.3	38.9	39.2	39.3	-	4.1	3.5	4.5	4.0	-
Chemicals and allied products .....	28	43.1	43.2	43.7	43.0	42.9	4.8	4.7	4.8	4.6	-
Industrial inorganic chemicals .....	281	43.5	44.0	43.5	43.1	-	5.1	4.8	5.1	4.6	-
Industrial inorganic chemicals, nec .....	2819	43.3	43.7	42.6	42.2	-	5.1	4.9	5.0	4.8	-
Plastics materials and synthetics .....	282	43.8	43.4	44.0	43.7	-	5.6	5.1	5.3	5.2	-
Plastics materials and resins .....	2821	44.3	44.1	45.1	44.5	-	6.0	5.3	5.4	5.6	-
Organic fibers, noncellulosic .....	2824	43.4	42.9	42.9	43.0	-	4.9	4.5	4.8	4.7	-
Drugs .....	283	42.5	43.7	42.9	42.5	-	4.1	4.7	4.5	4.2	-
Pharmaceutical preparations .....	2834	42.4	43.7	43.0	42.6	-	4.1	4.6	4.5	4.2	-
Soap, cleaners, and toilet goods .....	284	41.3	40.8	43.5	41.7	-	3.6	3.6	3.9	3.4	-
Soap and other detergents .....	2841	42.0	41.5	44.0	42.4	-	4.7	4.4	5.2	4.3	-
Polishing, sanitation, and finishing preparations .....	2842,3	41.5	41.3	42.3	41.4	-	3.6	3.6	3.6	3.6	-
Toilet preparations .....	2844	40.7	40.0	43.8	41.5	-	2.9	3.0	3.3	2.8	-
Paints and allied products .....	285	41.6	41.2	42.2	41.5	-	3.5	3.2	3.3	3.5	-
Industrial organic chemicals .....	286	45.6	45.7	45.5	44.7	-	6.4	6.1	6.4	5.8	-
Cyclic crudes and intermediates .....	2865	45.2	46.1	45.9	44.9	-	6.8	5.9	7.9	7.7	-
Industrial organic chemicals, nec .....	2869	45.8	45.7	45.4	44.6	-	6.3	6.2	6.0	5.3	-
Agricultural chemicals .....	287	44.5	44.4	44.9	44.3	-	5.8	5.6	5.4	5.3	-
Miscellaneous chemical products .....	289	42.6	42.4	43.2	42.7	-	4.2	3.8	4.4	4.4	-
Petroleum and coal products .....	29	43.8	42.4	43.9	44.3	44.6	6.2	5.7	5.9	6.1	-
Petroleum refining .....	291	43.7	42.7	44.8	45.3	-	5.9	6.0	6.0	6.3	-
Asphalt paving and roofing materials .....	295	45.2	42.3	41.7	41.5	-	6.2	5.4	6.1	6.2	-
Rubber and misc. plastics products .....	30	41.7	41.4	42.4	42.0	41.8	4.1	3.6	4.5	4.1	-
Tires and inner tubes .....	301	44.7	45.8	44.3	44.6	-	6.3	5.7	6.4	4.8	-
Rubber and plastics footwear .....	302	42.4	43.9	42.1	41.9	-	3.1	3.6	3.0	3.3	-
Hose, belting, gaskets, and packing .....	305	41.6	40.9	42.5	42.0	-	3.7	2.7	4.5	3.9	-
Rubber and plastics hose and belting .....	3052	42.0	41.6	42.6	41.4	-	3.8	2.5	5.1	3.3	-
Fabricated rubber products, nec .....	306	41.3	40.5	42.4	41.7	-	3.4	2.9	4.1	3.8	-
Miscellaneous plastics products, nec .....	308	41.3	41.0	42.1	41.6	-	3.9	3.5	4.3	4.1	-
Leather and leather products .....	31	38.0	37.2	39.1	38.9	39.5	2.1	1.7	2.4	2.2	-
Leather tanning and finishing .....	311	43.2	43.6	43.8	43.9	-	5.4	5.5	6.0	5.7	-
Footwear, except rubber .....	314	36.9	35.7	38.4	38.5	-	1.5	.9	1.9	1.7	-
Men's footwear, except athletic .....	3143	37.1	36.2	37.8	38.3	-	1.9	1.2	2.3	2.1	-
Women's footwear, except athletic .....	3144	36.4	35.5	38.6	39.0	-	1.0	.6	1.5	1.3	-
Luggage .....	316	38.7	38.1	39.7	38.3	-	2.3	1.9	2.6	1.7	-
Handbags and personal leather goods .....	317	37.7	37.0	37.2	36.5	-	1.4	.8	.5	.6	-
<b>Transportation and public utilities .....</b>		<b>38.8</b>	<b>37.9</b>	<b>39.2</b>	<b>38.9</b>	<b>39.2</b>	-	-	-	-	-
Railroad transportation:											
Class I railroads <sup>2</sup> .....	4011	44.2	42.0	45.2	45.2	-	-	-	-	-	-

See footnotes at end of table.



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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Feb. 1993 <sup>a</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Feb. 1993 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	\$10.98	\$10.84	\$11.14	\$11.10	-	\$472.14	\$465.04	\$487.93	\$477.30	-
Corrugated and solid fiber boxes .....	2653	11.04	10.87	11.15	11.09	-	481.34	470.87	495.06	485.74	-
Sanitary food containers .....	2656	10.98	10.78	11.13	10.98	-	472.14	460.53	485.27	458.96	-
Folding paperboard boxes .....	2657	11.55	11.27	11.97	11.79	-	492.03	484.61	518.30	502.25	-
Misc. converted paper products .....	267	11.50	11.35	11.80	11.72	-	485.30	478.97	509.76	498.93	-
Paper, coated and laminated, nec .....	2672	13.14	12.82	13.55	13.33	-	557.14	547.41	582.65	557.19	-
Bags, plastics, laminated, and coated .....	2673	10.84	10.58	11.00	11.00	-	453.11	436.95	464.20	463.10	-
Envelopes .....	2677	10.73	10.74	10.96	10.97	-	444.22	450.01	467.99	469.52	-
Printing and publishing .....	27	11.75	11.60	11.89	11.84	\$11.84	447.68	436.16	460.14	447.55	\$447.55
Newspapers .....	271	11.71	11.57	11.87	11.87	-	386.43	371.40	401.21	384.59	-
Periodicals .....	272	12.67	12.59	12.72	12.75	-	477.66	480.94	476.27	475.58	-
Books .....	273	10.84	10.46	10.87	10.73	-	421.34	413.17	447.84	420.62	-
Book publishing .....	2731	10.32	10.10	10.63	10.48	-	398.35	392.89	426.26	407.67	-
Book printing .....	2732	11.03	10.90	11.15	11.04	-	452.23	440.36	474.99	436.08	-
Miscellaneous publishing .....	274	11.10	10.67	11.24	11.05	-	396.27	379.85	413.63	401.12	-
Commercial printing .....	275	11.94	11.81	12.07	12.02	-	474.02	461.77	484.01	473.59	-
Commercial printing, lithographic .....	2752	11.88	11.85	12.12	12.09	-	475.61	460.97	462.38	475.14	-
Commercial printing, nec .....	2759	11.73	11.65	11.82	11.73	-	460.99	452.02	475.16	459.82	-
Manifold business forms .....	276	12.44	12.19	12.67	12.51	-	512.53	496.57	539.74	514.16	-
Blankbooks and bookbinding .....	278	9.18	9.11	9.30	9.22	-	349.76	344.36	361.77	352.20	-
Printing trade services .....	279	14.27	14.30	14.40	14.29	-	560.81	556.27	584.48	561.60	-
Chemicals and allied products .....	28	14.45	14.24	14.72	14.68	14.69	622.80	615.17	643.26	631.24	630.20
Industrial inorganic chemicals .....	281	15.67	15.36	15.98	15.95	-	681.65	675.84	695.13	687.45	-
Industrial inorganic chemicals, nec .....	2819	15.96	15.70	16.32	16.43	-	691.07	686.09	695.23	693.35	-
Plastics materials and synthetics .....	282	15.34	15.05	15.50	15.41	-	671.89	653.17	682.00	673.42	-
Plastics materials and resins .....	2821	15.88	15.47	16.10	16.09	-	703.48	682.23	726.11	716.01	-
Organic fibers, noncellulosic .....	2824	14.71	14.54	14.82	14.71	-	638.41	623.77	635.78	632.53	-
Drugs .....	283	14.04	13.75	14.53	14.50	-	596.70	600.68	623.34	616.25	-
Pharmaceutical preparations .....	2834	14.05	13.81	14.51	14.46	-	595.72	603.50	623.93	616.00	-
Soap, cleaners, and toilet goods .....	284	12.04	12.03	12.24	12.30	-	497.25	490.82	532.44	512.91	-
Soap and other detergents .....	2841	15.53	15.07	16.01	15.79	-	652.26	625.41	704.44	669.50	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.90	10.78	11.10	11.22	-	452.35	445.21	469.53	464.51	-
Toilet preparations .....	2844	10.44	10.71	10.48	10.68	-	424.91	428.40	459.02	443.22	-
Paints and allied products .....	285	12.65	12.59	12.68	12.56	-	526.24	518.71	535.10	521.24	-
Industrial organic chemicals .....	286	17.23	16.79	17.80	17.44	-	785.89	767.30	800.80	779.57	-
Cyclic crudes and intermediates .....	2865	16.78	16.32	17.21	17.38	-	758.46	752.35	789.94	780.36	-
Industrial organic chemicals, nec .....	2869	17.57	17.11	17.91	17.67	-	804.71	781.93	813.11	786.08	-
Agricultural chemicals .....	287	14.69	14.57	15.32	15.13	-	653.71	648.91	687.87	670.26	-
Miscellaneous chemical products .....	289	13.06	12.85	13.32	13.28	-	558.36	544.84	575.42	567.06	-
Petroleum and coal products .....	29	17.87	17.55	18.06	18.34	18.68	782.71	744.12	792.83	812.46	833.13
Petroleum refining .....	291	19.55	18.88	19.67	19.90	-	854.34	806.18	881.22	901.47	-
Asphalt paving and roofing materials .....	295	13.23	13.03	13.07	13.05	-	598.00	551.17	545.02	541.58	-
Rubber and misc. plastics products .....	30	10.37	10.28	10.54	10.55	10.56	432.43	425.59	446.90	443.10	441.41
Tires and inner tubes .....	301	16.75	16.47	17.11	17.23	-	748.73	754.33	757.97	768.46	-
Rubber and plastics footwear .....	302	7.21	6.99	7.46	7.38	-	305.70	306.86	314.07	309.22	-
Hose, belting, gaskets, and packing .....	305	10.27	10.06	10.47	10.40	-	427.23	411.45	444.98	436.80	-
Rubber and plastics hose and belting .....	3052	10.30	10.21	10.41	10.37	-	432.60	424.74	443.47	429.32	-
Fabricated rubber products, nec .....	306	9.76	9.69	9.87	9.82	-	403.09	392.45	418.49	409.49	-
Miscellaneous plastics products, nec .....	308	9.66	9.58	9.80	9.79	-	398.96	392.78	412.58	407.26	-
Leather and leather products .....	31	7.40	7.37	7.48	7.47	7.41	281.20	274.16	292.47	290.58	292.70
Leather tanning and finishing .....	311	9.60	9.57	9.59	9.61	-	414.72	417.25	420.04	421.88	-
Footwear, except rubber .....	314	7.01	6.99	7.08	7.05	-	258.67	249.54	271.87	271.43	-
Men's footwear, except athletic .....	3143	7.61	7.56	7.70	7.67	-	282.33	273.67	291.06	293.76	-
Women's footwear, except athletic .....	3144	6.49	6.48	6.52	6.41	-	236.24	230.04	251.67	249.99	-
Luggage .....	316	7.49	7.28	7.74	7.85	-	289.86	277.37	307.28	300.66	-
Handbags and personal leather goods .....	317	6.50	6.33	6.72	6.67	-	245.05	234.21	249.98	243.46	-
Transportation and public utilities .....		13.49	13.36	13.60	13.59	13.61	523.41	506.34	533.12	528.65	533.51
Railroad transportation:											
Class I railroads <sup>a</sup> .....	4011	16.66	16.13	16.68	16.68	-	736.37	677.46	753.94	753.94	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	34.0	33.1	33.4	32.8	-	-	-	-	-	-
Local and suburban transportation .....	411	38.4	37.3	38.5	37.8	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	38.4	38.7	37.7	37.5	-	-	-	-	-	-
Trucking and warehousing .....	42	38.7	37.4	38.9	37.8	-	-	-	-	-	-
Trucking and courier services, except air .....	421	38.6	37.3	38.8	37.6	-	-	-	-	-	-
Public warehousing and storage .....	422	40.0	39.3	40.0	39.3	-	-	-	-	-	-
Water transportation:											
Water transportation services .....	449	35.1	34.8	35.1	36.1	-	-	-	-	-	-
Pipelines, except natural gas .....	46	41.4	41.3	41.0	40.2	-	-	-	-	-	-
Transportation services .....	47	36.8	36.3	36.8	36.6	-	-	-	-	-	-
Passenger transportation arrangement .....	472	36.1	36.0	35.5	35.9	-	-	-	-	-	-
Travel agencies .....	4724	36.1	36.3	35.5	36.0	-	-	-	-	-	-
Freight transportation arrangement .....	473	37.3	36.1	37.7	36.8	-	-	-	-	-	-
Communications .....	48	39.4	38.9	39.4	39.6	-	-	-	-	-	-
Telephone communications .....	481	41.0	40.4	40.9	41.3	-	-	-	-	-	-
Radio and television broadcasting .....	483	34.7	34.1	34.5	34.5	-	-	-	-	-	-
Cable and other pay television services .....	484	38.9	38.4	39.2	38.7	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	41.9	41.4	42.3	41.5	-	-	-	-	-	-
Electric services .....	491	41.7	41.0	41.8	41.2	-	-	-	-	-	-
Gas production and distribution .....	492	42.4	42.5	43.4	42.0	-	-	-	-	-	-
Combination utility services .....	493	41.8	41.3	43.2	41.9	-	-	-	-	-	-
Sanitary services .....	495	42.4	41.8	42.2	42.3	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.2</b>	<b>37.8</b>	<b>38.2</b>	<b>37.8</b>	<b>37.8</b>	-	-	-	-	-
Durable goods .....	50	38.7	38.3	38.8	38.5	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	38.1	37.8	38.5	38.5	-	-	-	-	-	-
Furniture and home furnishings .....	502	37.0	36.4	37.3	37.1	-	-	-	-	-	-
Lumber and other construction materials .....	503	39.8	38.6	39.6	38.8	-	-	-	-	-	-
Professional and commercial equipment .....	504	39.1	38.9	38.9	38.7	-	-	-	-	-	-
Medical and hospital equipment .....	5047	37.5	37.4	37.9	37.5	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	40.1	39.9	40.3	39.8	-	-	-	-	-	-
Electrical goods .....	506	38.7	38.5	38.6	38.2	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.6	38.3	38.7	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.2	38.7	39.2	39.0	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	37.1	36.5	37.5	37.0	-	-	-	-	-	-
Nondurable goods .....	51	37.5	37.0	37.5	37.0	-	-	-	-	-	-
Paper and paper products .....	511	37.0	37.1	36.9	36.3	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	37.1	36.7	37.3	36.9	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	36.9	36.1	37.2	36.4	-	-	-	-	-	-
Groceries and related products .....	514	38.3	37.8	38.3	37.8	-	-	-	-	-	-
Farm-product raw materials .....	515	35.7	34.1	35.3	34.1	-	-	-	-	-	-
Chemicals and allied products .....	516	40.2	40.3	40.2	39.9	-	-	-	-	-	-
Petroleum and petroleum products .....	517	38.2	38.4	37.6	37.5	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	36.9	36.3	36.9	36.4	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.6	35.6	36.4	35.9	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>28.8</b>	<b>27.8</b>	<b>29.2</b>	<b>28.0</b>	<b>28.4</b>	-	-	-	-	-
Building materials and garden supplies .....	52	36.3	35.2	35.9	35.5	-	-	-	-	-	-
Lumber and other building materials .....	521	38.2	37.0	37.7	37.4	-	-	-	-	-	-
Hardware stores .....	525	32.3	31.6	32.2	31.7	-	-	-	-	-	-
Retail nurseries and garden stores .....	526	34.4	32.4	33.9	32.0	-	-	-	-	-	-
General merchandise stores .....	53	29.2	27.4	32.6	27.9	-	-	-	-	-	-
Department stores .....	531	29.3	27.3	32.9	27.9	-	-	-	-	-	-
Variety stores .....	533	27.9	27.1	30.3	26.7	-	-	-	-	-	-
Misc. general merchandise stores .....	539	29.7	28.1	31.3	28.2	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	\$9.85	\$9.67	\$9.96	\$10.01	-	\$334.90	\$320.08	\$332.66	\$328.33	-
Local and suburban transportation .....	411	10.52	10.37	10.75	10.71	-	403.97	386.80	413.88	404.84	-
Intercity and rural bus transportation .....	413	13.16	13.18	12.71	12.90	-	505.34	510.07	479.17	483.75	-
Trucking and warehousing .....	42	12.11	11.95	12.25	12.20	-	468.66	446.93	476.53	461.16	-
Trucking and courier services, except air .....	421	12.28	12.12	12.43	12.37	-	474.01	452.08	482.28	465.11	-
Public warehousing and storage .....	422	9.89	9.78	9.91	9.93	-	395.60	384.35	396.40	390.25	-
Water transportation:											
Water transportation services .....	449	17.16	17.07	17.63	17.98	-	602.32	594.04	618.81	649.08	-
Pipelines, except natural gas .....	46	18.64	18.01	19.29	19.26	-	771.70	743.81	790.89	774.25	-
Transportation services .....	47	10.77	10.61	10.93	10.92	-	396.34	385.14	402.22	399.67	-
Passenger transportation arrangement .....	472	9.89	9.62	10.11	10.01	-	357.03	346.32	358.91	359.36	-
Travel agencies .....	4724	9.92	9.68	10.03	9.86	-	358.11	351.38	356.07	354.96	-
Freight transportation arrangement .....	473	11.99	11.95	12.15	12.28	-	447.23	431.40	458.06	451.90	-
Communications .....	48	14.48	14.16	14.94	14.99	-	570.51	550.82	588.64	593.60	-
Telephone communications .....	481	15.21	14.78	15.75	15.81	-	623.61	597.11	644.18	652.95	-
Radio and television broadcasting .....	483	13.81	13.74	14.10	14.08	-	479.21	468.53	486.45	485.76	-
Cable and other pay television services .....	484	11.01	10.91	11.27	11.22	-	428.29	418.94	441.78	434.21	-
Electric, gas, and sanitary services .....	49	16.09	15.83	16.39	16.32	-	674.17	655.36	693.30	677.28	-
Electric services .....	491	16.75	16.37	17.08	16.96	-	698.48	671.17	713.94	698.75	-
Gas production and distribution .....	492	15.43	15.10	15.87	15.92	-	654.23	641.75	688.76	668.64	-
Combination utility services .....	493	18.66	18.48	19.10	18.95	-	779.99	763.22	825.12	794.01	-
Sanitary services .....	495	11.99	11.94	11.95	12.04	-	508.38	499.09	504.29	509.29	-
<b>Wholesale trade .....</b>		<b>11.40</b>	<b>11.29</b>	<b>11.53</b>	<b>11.62</b>	<b>\$11.63</b>	<b>435.48</b>	<b>426.76</b>	<b>440.45</b>	<b>439.24</b>	<b>\$439.61</b>
Durable goods .....	50	11.75	11.65	11.86	11.98	-	454.73	446.20	460.17	461.23	-
Motor vehicles, parts, and supplies .....	501	10.41	10.39	10.51	10.60	-	396.62	392.74	404.64	408.10	-
Furniture and home furnishings .....	502	10.31	10.20	10.54	10.64	-	381.47	371.28	393.14	394.74	-
Lumber and other construction materials .....	503	11.01	10.91	11.02	11.04	-	438.20	421.13	436.39	428.35	-
Professional and commercial equipment .....	504	13.98	13.86	14.18	14.44	-	546.62	539.15	551.60	558.83	-
Medical and hospital equipment .....	5047	12.82	12.83	12.96	13.04	-	480.75	479.84	491.18	489.00	-
Metals and minerals, except petroleum .....	505	11.85	11.75	11.89	11.94	-	475.19	468.83	479.17	475.21	-
Electrical goods .....	506	12.07	11.81	12.26	12.32	-	467.11	454.69	473.24	470.62	-
Hardware, plumbing, and heating equipment .....	507	11.19	11.05	11.19	11.22	-	431.93	423.22	433.05	431.97	-
Machinery, equipment, and supplies .....	508	11.68	11.56	11.80	11.88	-	457.86	447.37	462.56	463.32	-
Misc. wholesale trade durable goods .....	509	9.14	9.08	9.24	9.36	-	339.09	331.42	346.50	346.32	-
Nondurable goods .....	51	10.93	10.80	11.09	11.13	-	409.88	399.60	415.88	411.81	-
Paper and paper products .....	511	11.47	11.23	11.60	11.62	-	424.39	416.63	428.04	421.81	-
Drugs, proprietaries, and sundries .....	512	12.97	12.78	13.20	13.44	-	481.19	469.03	492.36	495.94	-
Apparel, piece goods, and notions .....	513	10.66	10.73	10.75	10.90	-	393.35	387.35	399.90	396.76	-
Groceries and related products .....	514	11.10	10.91	11.29	11.27	-	425.13	412.40	432.41	426.01	-
Farm-product raw materials .....	515	8.21	8.07	8.34	8.30	-	293.10	275.19	294.40	283.03	-
Chemicals and allied products .....	516	13.18	12.98	13.28	13.29	-	529.84	523.09	533.86	530.27	-
Petroleum and petroleum products .....	517	10.45	10.32	10.50	10.52	-	399.19	396.29	394.80	394.50	-
Beer, wine, and distilled beverages .....	518	12.76	12.50	13.06	12.84	-	470.84	453.75	481.91	467.38	-
Misc. wholesale trade nondurable goods .....	519	9.29	9.24	9.39	9.47	-	340.01	328.94	341.80	339.97	-
<b>Retail trade .....</b>		<b>7.14</b>	<b>7.10</b>	<b>7.19</b>	<b>7.26</b>	<b>7.25</b>	<b>205.63</b>	<b>197.38</b>	<b>209.95</b>	<b>203.28</b>	<b>205.90</b>
Building materials and garden supplies .....	52	8.42	8.32	8.55	8.61	-	305.65	292.86	306.95	305.66	-
Lumber and other building materials .....	521	8.80	8.66	8.95	8.93	-	336.16	320.42	337.42	333.98	-
Hardware stores .....	525	7.24	7.17	7.36	7.42	-	233.85	226.57	236.99	235.21	-
Retail nurseries and garden stores .....	526	7.34	7.44	7.41	7.79	-	252.50	241.06	251.20	249.28	-
General merchandise stores .....	53	7.18	7.17	7.16	7.27	-	209.66	196.46	233.42	202.83	-
Department stores .....	531	7.24	7.24	7.20	7.31	-	212.13	197.65	236.88	203.95	-
Variety stores .....	533	6.01	5.81	6.18	6.34	-	167.68	157.45	187.25	169.28	-
Misc. general merchandise stores .....	539	7.52	7.52	7.55	7.61	-	223.34	211.31	236.32	214.60	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Retail trade—Continued</b>											
Food stores .....	54	29.5	28.5	29.3	28.9	-	-	-	-	-	-
Grocery stores .....	541	29.7	28.6	29.4	29.1	-	-	-	-	-	-
Retail bakeries .....	546	28.4	27.0	28.6	27.7	-	-	-	-	-	-
Automotive dealers and service stations .....	55	36.0	35.3	35.8	35.8	-	-	-	-	-	-
New and used car dealers .....	551	37.4	36.9	37.2	37.1	-	-	-	-	-	-
Auto and home supply stores .....	553	37.8	36.8	37.7	37.2	-	-	-	-	-	-
Gasoline service stations .....	554	33.2	32.8	33.0	33.3	-	-	-	-	-	-
Automotive dealers, nec .....	559	34.4	34.4	33.9	34.1	-	-	-	-	-	-
Apparel and accessory stores .....	56	26.5	25.5	26.9	25.1	-	-	-	-	-	-
Men's and boys' clothing stores .....	561	28.5	26.7	30.4	28.6	-	-	-	-	-	-
Women's clothing stores .....	562	24.0	22.7	24.1	22.2	-	-	-	-	-	-
Family clothing stores .....	565	27.5	26.5	28.1	26.2	-	-	-	-	-	-
Shoe stores .....	566	28.3	28.5	28.0	26.2	-	-	-	-	-	-
Furniture and home furnishings stores .....	57	33.0	32.6	33.3	32.6	-	-	-	-	-	-
Furniture and home furnishings stores .....	571	33.2	32.8	33.6	32.9	-	-	-	-	-	-
Household appliance stores .....	572	33.8	34.1	34.1	32.9	-	-	-	-	-	-
Radio, television, and computer stores .....	573	32.5	32.1	32.7	32.0	-	-	-	-	-	-
Radio, television, and electronic stores .....	5731	32.2	31.6	33.4	31.8	-	-	-	-	-	-
Record and prerecorded tape stores .....	5735	27.2	26.3	27.6	26.6	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	25.0	24.0	24.6	24.0	-	-	-	-	-	-
Miscellaneous retail establishments .....	59	29.7	28.8	30.6	29.0	-	-	-	-	-	-
Drug stores and proprietary stores .....	591	27.8	27.1	28.2	27.8	-	-	-	-	-	-
Used merchandise stores .....	593	32.2	31.9	32.0	32.0	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	594	28.1	27.1	29.5	27.1	-	-	-	-	-	-
Nonstore retailers .....	596	34.2	33.0	36.0	33.3	-	-	-	-	-	-
Fuel dealers .....	598	38.2	39.2	39.6	39.2	-	-	-	-	-	-
Retail stores, nec .....	599	31.2	29.9	31.5	30.0	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		35.8	35.6	35.7	35.7	35.7	-	-	-	-	-
Depository institutions .....	60	35.4	35.2	35.0	35.2	-	-	-	-	-	-
Commercial banks .....	602	35.3	35.1	34.7	35.1	-	-	-	-	-	-
Credit unions .....	606	35.8	35.4	35.5	35.6	-	-	-	-	-	-
Nondepository institutions .....	61	37.9	37.5	37.5	36.9	-	-	-	-	-	-
Personal credit institutions .....	614	37.9	37.3	38.4	37.2	-	-	-	-	-	-
Security and commodity brokers:											
Security and commodity services .....	628	36.8	37.6	36.1	36.4	-	-	-	-	-	-
Insurance carriers .....	63	37.7	37.4	37.8	37.8	-	-	-	-	-	-
Life insurance .....	631	37.4	36.8	37.6	37.4	-	-	-	-	-	-
Medical service and health insurance .....	632	38.4	38.3	38.7	39.0	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	633	37.5	37.4	37.4	37.4	-	-	-	-	-	-
<b>Services</b> .....		32.5	32.1	32.3	32.1	32.3	-	-	-	-	-
Agricultural services .....	07	34.2	31.8	32.2	31.0	-	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	30.8	29.1	29.9	29.9	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services .....	721	34.0	33.3	34.0	33.4	-	-	-	-	-	-
Beauty shops <sup>4</sup> .....	723	28.8	28.5	28.9	28.4	-	-	-	-	-	-
Miscellaneous personal services .....	729	24.9	18.0	23.2	16.9	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>2</sup>	Feb. 1993 <sup>2</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>2</sup>	Feb. 1993 <sup>2</sup>
<b>Retail trade—Continued</b>											
Food stores .....	54	\$7.57	\$7.51	\$7.63	\$7.67	-	\$223.32	\$214.04	\$223.56	\$221.66	-
Grocery stores .....	541	7.65	7.58	7.72	7.75	-	227.21	216.79	226.97	225.53	-
Retail bakeries .....	546	6.69	6.56	6.76	6.82	-	190.00	177.12	193.34	188.91	-
Automotive dealers and service stations .....	55	9.34	9.13	9.34	9.39	-	336.24	322.29	334.37	336.16	-
New and used car dealers .....	551	11.56	11.18	11.43	11.50	-	432.34	412.54	425.20	426.65	-
Auto and home supply stores .....	553	8.17	8.08	8.28	8.26	-	308.83	297.34	312.16	307.27	-
Gasoline service stations .....	554	6.53	6.54	6.56	6.60	-	216.80	214.51	216.48	219.78	-
Automotive dealers, nec .....	559	10.69	10.67	10.57	10.49	-	367.74	367.05	358.32	357.71	-
Apparel and accessory stores .....	56	6.91	6.88	6.93	7.08	-	183.12	175.44	186.42	177.71	-
Men's and boys' clothing stores .....	561	8.50	8.65	8.42	8.89	-	242.25	230.96	255.97	254.25	-
Women's clothing stores .....	562	6.51	6.54	6.50	6.74	-	156.24	148.46	156.65	149.63	-
Family clothing stores .....	565	6.67	6.61	6.68	6.83	-	183.43	175.17	187.71	178.95	-
Shoe stores .....	566	7.21	7.07	7.37	7.22	-	204.04	201.50	206.36	189.16	-
Furniture and home furnishings stores .....	57	9.19	9.04	9.35	9.36	-	303.27	294.70	311.36	305.14	-
Furniture and home furnishings stores .....	571	8.99	8.79	9.19	9.17	-	298.47	288.31	308.78	301.69	-
Household appliance stores .....	572	9.56	9.37	10.01	10.06	-	323.13	319.52	341.34	330.97	-
Radio, television, and computer stores .....	573	9.42	9.32	9.44	9.50	-	306.15	299.17	308.69	304.00	-
Radio, television, and electronic stores .....	5731	9.14	9.02	9.63	9.40	-	294.31	285.03	321.64	298.92	-
Record and prerecorded tape stores .....	5735	5.84	5.83	5.74	5.73	-	158.85	153.33	158.42	152.42	-
Eating and drinking places <sup>1</sup> .....	58	5.29	5.27	5.35	5.33	-	132.25	126.48	131.61	127.92	-
Miscellaneous retail establishments .....	59	7.66	7.60	7.65	7.84	-	227.50	218.88	234.09	227.36	-
Drug stores and proprietary stores .....	591	7.61	7.44	7.70	7.79	-	211.56	201.62	217.14	216.56	-
Used merchandise stores .....	593	6.65	6.76	6.72	6.66	-	214.13	215.64	215.04	213.12	-
Miscellaneous shopping goods stores .....	594	7.10	7.10	7.01	7.32	-	199.51	192.41	206.80	198.37	-
Nonstore retailers .....	596	8.25	8.20	8.16	8.24	-	282.15	270.60	293.76	274.39	-
Fuel dealers .....	598	10.79	10.73	11.21	11.19	-	412.18	420.62	443.92	438.65	-
Retail stores, nec .....	599	7.95	7.81	8.03	8.13	-	248.04	233.52	252.95	243.90	-
<b>Finance, insurance, and real estate<sup>5</sup></b> .....		10.82	10.66	11.04	11.14	\$11.22	387.36	379.50	394.13	397.70	\$400.55
Depository institutions .....	60	8.97	8.89	9.06	9.11	-	317.54	312.93	317.10	320.67	-
Commercial banks .....	602	8.59	8.52	8.66	8.74	-	303.23	299.05	300.50	306.77	-
Credit unions .....	606	8.74	8.65	8.85	8.92	-	312.89	306.21	314.18	317.55	-
Nondepository institutions .....	61	11.56	11.30	11.78	11.91	-	438.12	423.75	441.75	439.48	-
Personal credit institutions .....	614	9.80	9.77	9.71	9.79	-	371.42	364.42	372.86	364.19	-
Security and commodity brokers:											
Security and commodity services .....	628	15.17	14.91	15.38	15.58	-	558.26	560.62	555.22	567.11	-
Insurance carriers .....	63	12.37	12.02	12.74	12.85	-	466.35	449.55	481.57	485.73	-
Life insurance .....	631	11.28	10.88	11.64	11.81	-	421.87	400.38	437.66	441.69	-
Medical service and health insurance .....	632	11.86	11.53	12.35	12.47	-	455.42	441.60	477.95	486.33	-
Fire, marine, and casualty insurance .....	633	13.38	13.03	13.78	13.85	-	501.75	487.32	515.37	517.99	-
<b>Services</b> .....		10.54	10.49	10.75	10.80	10.82	342.55	336.73	347.23	346.68	349.49
Agricultural services .....	07	8.31	8.44	8.63	8.64	-	284.20	268.39	277.89	267.84	-
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	7.42	7.41	7.68	7.67	-	228.54	215.63	229.63	229.33	-
Personal services:											
Laundry, cleaning, and garment services .....	721	7.17	7.11	7.26	7.27	-	243.78	236.76	246.84	242.82	-
Beauty shops <sup>4</sup> .....	723	7.53	7.16	7.73	7.55	-	216.86	204.06	223.40	214.42	-
Miscellaneous personal services .....	729	7.35	7.01	8.04	7.74	-	183.02	126.18	186.53	130.81	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Feb. 1993 <sup>P</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Feb. 1993 <sup>P</sup>
<b>Services—Continued</b>											
Business services .....	73	33.0	32.8	33.1	32.8	-	-	-	-	-	-
Advertising .....	731	36.6	36.0	36.7	36.5	-	-	-	-	-	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	37.3	37.0	37.8	37.2	-	-	-	-	-	-
Services to buildings .....	734	28.4	27.9	28.6	28.1	-	-	-	-	-	-
Miscellaneous equipment rental and leasing .....	735	38.9	38.1	39.2	37.8	-	-	-	-	-	-
Heavy construction equipment rental .....	7353	39.9	38.9	39.7	37.8	-	-	-	-	-	-
Personnel supply services:											
Help supply services .....	7363	31.0	30.9	31.6	31.3	-	-	-	-	-	-
Computer and data processing services .....	737	38.0	37.6	37.7	37.9	-	-	-	-	-	-
Computer programming services .....	7371	38.2	37.9	37.7	38.3	-	-	-	-	-	-
Computer integrated systems design .....	7373	38.9	38.6	38.3	37.7	-	-	-	-	-	-
Information retrieval services .....	7375	38.5	38.0	38.2	39.0	-	-	-	-	-	-
Computer maintenance and repair .....	7378	38.9	38.9	38.9	39.1	-	-	-	-	-	-
Miscellaneous business services .....	738	33.7	33.5	33.5	33.2	-	-	-	-	-	-
Detective and armored car services .....	7381	33.6	33.2	33.8	33.5	-	-	-	-	-	-
Security systems services .....	7382	37.3	36.6	37.4	37.2	-	-	-	-	-	-
Auto repair, services, and parking .....	75	36.4	35.8	35.9	35.5	-	-	-	-	-	-
Automobile parking .....	752	33.3	32.6	32.8	33.0	-	-	-	-	-	-
Automotive repair shops .....	753	38.2	37.8	38.0	38.0	-	-	-	-	-	-
Miscellaneous repair services .....	76	37.9	37.2	38.1	37.8	-	-	-	-	-	-
Motion pictures .....	78	27.9	27.6	28.8	28.8	-	-	-	-	-	-
Motion picture production and services .....	781	37.4	36.7	39.0	38.4	-	-	-	-	-	-
Amusement and recreation services .....	79	26.9	26.0	26.1	26.0	-	-	-	-	-	-
Bowling centers .....	793	24.9	25.1	24.6	24.9	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	26.6	25.0	25.7	25.0	-	-	-	-	-	-
Physical fitness facilities .....	7991	18.5	18.6	17.9	17.7	-	-	-	-	-	-
Membership sports and recreation clubs .....	7997	28.8	27.3	29.3	27.1	-	-	-	-	-	-
Health services .....	80	32.8	32.7	32.8	32.7	-	-	-	-	-	-
Offices and clinics of medical doctors .....	801	32.1	32.0	32.2	32.1	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.3	28.2	28.3	28.0	-	-	-	-	-	-
Offices and clinics of other health practitioners .....	804	29.8	29.1	29.6	29.5	-	-	-	-	-	-
Nursing and personal care facilities .....	805	32.3	32.1	32.1	32.2	-	-	-	-	-	-
Intermediate care facilities .....	8052	31.5	31.2	31.4	31.3	-	-	-	-	-	-
Hospitals .....	806	34.4	34.5	34.5	34.5	-	-	-	-	-	-
Home health care services .....	808	27.4	27.0	27.6	27.5	-	-	-	-	-	-
Legal services .....	81	34.9	34.4	34.7	34.6	-	-	-	-	-	-
Social services:											
Child day care services .....	835	29.7	29.1	29.6	29.2	-	-	-	-	-	-
Membership organizations:											
Professional organizations .....	862	35.1	34.8	34.7	34.6	-	-	-	-	-	-
Engineering and management services .....	87	37.3	37.1	36.9	36.9	-	-	-	-	-	-
Engineering and architectural services .....	871	39.0	38.7	38.9	38.5	-	-	-	-	-	-
Engineering services .....	8711	39.2	39.0	39.1	38.8	-	-	-	-	-	-
Architectural services .....	8712	38.2	38.1	37.8	38.0	-	-	-	-	-	-
Surveying services .....	8713	37.6	36.2	37.6	36.5	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	37.6	37.8	36.3	37.0	-	-	-	-	-	-
Research and testing services .....	873	36.7	36.4	36.5	36.4	-	-	-	-	-	-
Management and public relations .....	874	35.4	35.0	35.4	35.2	-	-	-	-	-	-
Public relations services .....	8743	34.9	35.1	33.4	32.5	-	-	-	-	-	-
Services, nec .....	89	37.5	36.6	37.0	36.4	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Business services .....	73	\$9.96	\$9.94	\$9.94	\$10.06	-	\$328.68	\$326.03	\$329.01	\$329.97	-
Advertising .....	731	14.87	14.38	14.80	14.80	-	544.24	517.68	543.16	540.20	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	9.43	9.38	9.50	9.53	-	351.74	347.06	359.10	354.52	-
Services to buildings .....	734	7.32	7.24	7.30	7.28	-	207.89	202.00	208.78	204.57	-
Miscellaneous equipment rental and leasing .....	735	10.43	10.33	10.64	10.58	-	405.73	393.57	417.09	399.92	-
Heavy construction equipment rental .....	7353	13.37	12.90	13.87	13.66	-	533.46	501.81	550.64	516.35	-
Personnel supply services:											
Help supply services .....	7363	8.33	8.52	8.33	8.44	-	258.23	263.27	263.23	264.17	-
Computer and data processing services .....	737	15.78	15.50	15.94	15.89	-	599.64	582.80	600.94	602.23	-
Computer programming services .....	7371	18.40	18.09	18.84	18.47	-	702.88	685.61	710.27	707.40	-
Computer integrated systems design .....	7373	16.59	16.37	16.56	16.59	-	645.35	631.88	634.25	625.44	-
Information retrieval services .....	7375	13.07	12.67	13.56	13.70	-	503.20	481.46	517.99	534.30	-
Computer maintenance and repair .....	7378	13.73	13.59	13.81	13.81	-	534.10	528.65	537.21	539.97	-
Miscellaneous business services .....	738	8.50	8.39	8.47	8.48	-	286.45	281.07	283.75	281.54	-
Detective and armored car services .....	7381	6.70	6.61	6.75	6.72	-	225.12	219.45	228.15	225.12	-
Security systems services .....	7382	10.22	9.95	10.55	10.66	-	381.21	364.17	394.57	396.55	-
Auto repair, services, and parking .....	75	9.16	9.10	9.30	9.32	-	333.42	325.78	333.87	330.86	-
Automobile parking .....	752	6.82	6.86	7.01	6.94	-	227.11	223.64	229.93	229.02	-
Automotive repair shops .....	753	10.06	9.97	10.14	10.12	-	384.29	376.87	385.32	384.56	-
Miscellaneous repair services .....	76	10.79	10.65	10.94	10.96	-	408.94	396.18	416.81	414.29	-
Motion pictures .....	78	12.08	11.69	13.30	12.94	-	337.03	322.64	383.04	372.67	-
Motion picture production and services .....	781	18.40	18.24	19.89	19.27	-	688.16	669.41	775.71	739.97	-
Amusement and recreation services .....	79	8.08	8.28	8.81	8.80	-	217.35	215.28	229.94	228.80	-
Bowling centers .....	793	6.50	6.38	6.49	6.45	-	161.85	160.14	159.65	160.61	-
Misc. amusement and recreation services .....	799	7.52	7.78	8.12	8.06	-	200.03	194.50	208.68	201.50	-
Physical fitness facilities .....	7991	7.82	7.70	8.03	8.03	-	144.67	143.22	143.74	142.13	-
Membership sports and recreation clubs .....	7997	7.78	8.06	8.21	8.22	-	224.06	220.04	240.55	222.76	-
Health services .....	80	11.38	11.22	11.64	11.67	-	373.26	366.89	381.79	381.61	-
Offices and clinics of medical doctors .....	801	11.40	11.17	11.71	11.69	-	365.94	357.44	377.06	375.25	-
Offices and clinics of dentists .....	802	11.01	10.86	11.23	11.27	-	311.58	306.25	317.81	315.56	-
Offices and clinics of other health practitioners .....	804	9.96	9.79	10.15	10.17	-	296.81	284.89	300.44	300.02	-
Nursing and personal care facilities .....	805	7.85	7.75	7.98	8.02	-	253.56	248.78	256.16	258.24	-
Intermediate care facilities .....	8052	7.25	7.17	7.42	7.46	-	228.38	223.70	232.99	233.50	-
Hospitals .....	806	13.03	12.84	13.33	13.37	-	448.23	442.98	459.89	461.27	-
Home health care services .....	808	10.03	9.77	10.25	10.34	-	274.82	263.79	282.90	284.35	-
Legal services .....	81	15.03	14.79	15.20	15.23	-	524.55	508.78	527.44	526.96	-
Social services:											
Child day care services .....	835	6.51	6.51	6.58	6.63	-	193.35	189.44	194.77	193.60	-
Membership organizations:											
Professional organizations .....	862	14.28	13.75	14.68	14.58	-	501.23	478.50	509.40	504.47	-
Engineering and management services .....	87	14.65	14.37	14.84	14.92	-	546.45	533.13	547.60	550.55	-
Engineering and architectural services .....	871	16.06	15.93	16.13	16.17	-	626.34	616.49	627.46	622.55	-
Engineering services .....	8711	16.64	16.50	16.68	16.71	-	652.29	643.50	652.19	648.35	-
Architectural services .....	8712	14.84	14.74	14.99	15.04	-	566.89	561.59	566.62	571.52	-
Surveying services .....	8713	11.05	10.87	11.42	11.50	-	415.48	393.49	429.39	419.75	-
Accounting, auditing, and bookkeeping .....	872	12.91	12.47	13.01	12.84	-	485.42	471.37	472.26	475.08	-
Research and testing services .....	873	15.52	15.23	15.82	16.19	-	569.58	554.37	577.43	589.32	-
Management and public relations .....	874	13.31	13.03	13.58	13.74	-	471.17	456.05	480.73	483.65	-
Public relations services .....	8743	13.57	13.53	13.56	13.85	-	473.59	474.90	452.90	450.13	-
Services, nec .....	89	15.67	15.21	15.97	15.86	-	587.63	556.69	590.89	577.30	-

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

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

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

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

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

- Data not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1991 forward are subject to revision.

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

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

Because of special circumstances in the aerospace

industry, BLS has calculated average hourly earnings series for SIC 3721 and SIC 3761 which include lump-sum payments. These series, beginning in October 1983, the effective date of the first aerospace bargaining agreement using lump-sum payments, were published in the June 1988 issue of *Employment and Earnings*. Current and year earlier data are presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. An explanation of the methodology used to derive these series appears in the Explanatory Notes of this publication.

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

Series	Aircraft (SIC 3721)				Guided missiles and space vehicles (SIC 3761)			
	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>
Average hourly earnings, excluding lump-sum payments .....	\$17.70	\$17.29	\$18.23	\$18.10	\$16.44	\$16.17	\$17.07	\$17.20
Average hourly earnings, including lump-sum payments .....	18.18	17.67	19.00	18.88	16.54	16.30	17.09	17.22

<sup>p</sup> = preliminary.



**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Manufacturing</b> .....	\$10.94	\$10.84	\$11.07	\$11.09	\$11.10
<b>Durable goods</b> .....	11.50	11.39	11.62	11.64	11.64
Lumber and wood products .....	9.01	8.99	9.07	9.05	(?)
Furniture and fixtures .....	8.69	8.59	8.79	8.85	(?)
Stone, clay, and glass products .....	11.00	10.95	11.07	11.14	(?)
Primary metal industries .....	12.92	12.76	13.04	12.99	(?)
Fabricated metal products .....	10.92	10.86	11.03	11.03	(?)
Industrial machinery and equipment .....	11.87	11.72	11.98	11.99	(?)
Electronic and other electrical equipment .....	10.57	10.48	10.61	10.68	(?)
Transportation equipment .....	14.50	14.29	14.72	14.70	(?)
Instruments and related products .....	11.55	11.40	11.71	11.73	(?)
Miscellaneous manufacturing .....	8.83	8.78	8.99	9.03	(?)
<b>Nondurable goods</b> .....	10.23	10.14	10.36	10.38	\$10.40
Food and kindred products .....	9.65	9.59	9.81	9.79	(?)
Tobacco products .....	16.25	15.45	15.46	15.12	(?)
Textile mill products .....	8.18	8.10	8.30	8.38	(?)
Apparel and other textile products .....	6.78	6.68	6.86	6.89	(?)
Paper and allied products .....	12.34	12.21	12.52	12.47	(?)
Printing and publishing .....	11.31	11.24	11.41	11.44	(?)
Chemicals and allied products .....	13.69	13.51	13.95	13.94	(?)
Petroleum and coal products .....	16.68	16.44	16.93	17.16	(?)
Rubber and misc. plastics products .....	9.89	9.85	10.01	10.06	(?)
Leather and leather products .....	7.19	7.20	7.26	7.27	(?)

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1991 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	Average hourly earnings					Average weekly earnings				
	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>	Avg. 1992	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Feb. 1993 <sup>p</sup>
<b>Total private:</b>										
Current dollars .....	\$10.59	\$10.50	\$10.71	\$10.77	\$10.78	\$364.30	\$354.90	\$369.50	\$366.18	\$368.68
Constant (1982) dollars .....	7.43	7.48	7.42	7.44	( <sup>2</sup> )	255.47	252.78	256.06	252.89	( <sup>2</sup> )
<b>Mining:</b>										
Current dollars .....	14.51	14.59	14.55	14.71	\$14.59	638.44	633.21	646.02	644.30	\$634.67
Constant (1982) dollars .....	10.18	10.39	10.08	10.16	( <sup>2</sup> )	447.71	451.00	447.69	444.96	( <sup>2</sup> )
<b>Construction:</b>										
Current dollars .....	14.11	14.04	14.23	14.16	\$14.09	536.18	515.27	529.36	511.18	\$517.10
Constant (1982) dollars .....	9.89	10.00	9.86	9.78	( <sup>2</sup> )	376.00	367.00	366.85	353.02	( <sup>2</sup> )
<b>Manufacturing:</b>										
Current dollars .....	11.45	11.29	11.63	11.60	\$11.61	469.45	458.37	487.30	476.76	\$476.01
Constant (1982) dollars .....	8.03	8.04	8.06	8.01	( <sup>2</sup> )	329.21	326.47	337.70	329.25	( <sup>2</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	13.49	13.36	13.60	13.59	\$13.61	523.41	506.34	533.12	528.65	\$533.51
Constant (1982) dollars .....	9.46	9.52	9.42	9.39	( <sup>2</sup> )	367.05	360.64	369.45	365.09	( <sup>2</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	11.40	11.29	11.53	11.62	\$11.63	435.48	426.76	440.45	439.24	\$439.61
Constant (1982) dollars .....	7.99	8.04	7.99	8.02	( <sup>2</sup> )	305.39	303.96	305.23	303.34	( <sup>2</sup> )
<b>Retail trade:</b>										
Current dollars .....	7.14	7.10	7.19	7.26	\$7.25	205.63	197.38	209.95	203.28	\$205.90
Constant (1982) dollars .....	5.01	5.06	4.98	5.01	( <sup>2</sup> )	144.20	140.58	145.50	140.39	( <sup>2</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	10.82	10.66	11.04	11.14	\$11.22	387.36	379.50	394.13	397.70	\$400.55
Constant (1982) dollars .....	7.59	7.59	7.65	7.69	( <sup>2</sup> )	271.64	270.30	273.13	274.65	( <sup>2</sup> )
<b>Services:</b>										
Current dollars .....	10.54	10.49	10.75	10.80	\$10.82	342.55	336.73	347.23	346.68	\$349.49
Constant (1982) dollars .....	7.39	7.47	7.45	7.46	( <sup>2</sup> )	240.22	239.84	240.63	239.42	( <sup>2</sup> )

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

<sup>2</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1991 forward are subject to revision.

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

Industry	1992												1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>	
<b>Total private</b> .....	34.6	34.5	34.3	34.6	34.3	34.3	34.6	34.3	34.5	34.6	34.3	34.5	34.5	
<b>Mining</b> .....	44.2	44.3	44.2	44.3	43.4	43.7	44.4	43.8	44.0	44.3	43.7	44.0	43.7	
<b>Construction</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	
<b>Manufacturing</b> .....	41.1	41.1	41.1	41.3	41.0	41.0	41.0	40.9	41.1	41.2	41.2	41.4	41.5	
<i>Overtime hours</i> .....	3.7	3.8	3.9	4.1	3.8	3.8	3.7	3.5	3.8	3.9	3.9	4.0	4.2	
<b>Durable goods</b> .....	41.6	41.6	41.5	41.9	41.5	41.6	41.6	41.2	41.6	41.8	41.8	42.0	42.2	
<i>Overtime hours</i> .....	3.7	3.7	3.8	4.1	3.8	3.8	3.7	3.4	3.8	3.9	3.9	4.1	4.4	
Lumber and wood products .....	41.1	41.0	40.6	40.8	40.1	40.8	40.5	40.3	40.7	40.9	40.4	40.5	41.0	
Furniture and fixtures .....	39.7	40.1	40.0	40.0	39.8	40.1	39.4	39.2	39.7	40.1	39.9	40.2	40.4	
Stone, clay, and glass products .....	41.9	42.0	42.4	42.5	42.3	42.5	42.3	42.5	42.4	42.3	42.1	42.2	42.5	
Primary metal industries .....	42.9	43.0	43.2	43.6	43.2	43.1	43.1	42.7	42.8	43.0	43.4	43.7	44.0	
Blast furnaces and basic steel products ..	43.3	43.5	44.0	44.1	43.8	43.8	43.9	42.4	42.8	43.1	43.6	44.0	44.8	
Fabricated metal products .....	41.6	41.6	41.3	41.9	41.6	41.9	41.6	41.1	41.7	41.8	41.8	42.0	42.1	
Industrial machinery and equipment .....	42.1	42.2	42.1	42.6	42.2	42.1	42.2	42.0	42.5	42.8	42.6	42.9	42.8	
Electronic and other electrical equipment ..	41.1	41.2	41.0	41.5	41.1	41.3	41.2	41.0	41.3	41.6	41.5	41.8	41.9	
Transportation equipment .....	42.0	42.0	41.8	42.2	41.9	41.5	42.2	40.9	41.5	41.8	42.4	42.6	43.0	
Motor vehicles and equipment .....	42.8	42.5	43.2	43.1	42.6	42.5	42.9	41.0	41.5	42.3	43.5	43.7	44.6	
Instruments and related products .....	41.2	41.2	40.9	41.4	41.2	41.1	41.2	41.0	41.3	41.3	41.1	41.5	40.8	
Miscellaneous manufacturing .....	39.9	40.0	39.9	40.0	40.0	40.1	39.7	39.5	40.0	40.0	39.8	39.7	39.9	
<b>Nondurable goods</b> .....	40.5	40.5	40.6	40.5	40.4	40.3	40.3	40.5	40.4	40.5	40.5	40.7	40.7	
<i>Overtime hours</i> .....	3.8	3.9	4.1	4.1	3.9	3.8	3.8	3.8	3.9	3.9	3.9	3.9	4.1	
Food and kindred products .....	40.8	40.7	40.7	40.5	40.3	40.3	40.5	40.8	40.9	40.8	40.6	40.6	40.7	
Tobacco products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	
Textile mill products .....	41.4	41.3	41.4	41.4	41.3	41.0	40.8	41.8	40.8	41.1	41.5	41.8	42.0	
Apparel and other textile products .....	37.2	37.4	37.2	37.3	37.2	37.2	37.2	37.4	37.4	37.6	37.4	37.6	37.6	
Paper and allied products .....	43.6	43.6	44.0	43.8	43.7	43.5	43.5	43.9	43.4	43.4	43.4	43.5	43.7	
Printing and publishing .....	38.0	38.1	38.0	38.2	38.1	38.0	38.0	38.1	38.2	38.1	38.0	38.1	38.0	
Chemicals and allied products .....	43.4	43.1	43.1	43.4	43.2	43.1	43.1	42.9	42.8	42.9	42.9	43.0	43.1	
Petroleum and coal products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	
Rubber and misc. plastics products .....	41.7	41.7	42.3	41.9	41.8	41.6	41.7	41.5	41.5	41.8	41.9	42.2	42.1	
Leather and leather products .....	37.1	37.6	38.0	38.2	38.0	38.4	37.9	37.8	38.4	39.2	38.6	39.4	40.1	
<b>Transportation and public utilities</b> .....	38.7	38.5	38.2	38.8	38.6	38.8	39.3	38.9	38.9	39.5	39.1	39.5	39.5	
<b>Wholesale trade</b> .....	38.5	38.3	38.3	38.3	38.1	38.0	38.5	38.0	38.1	38.5	38.0	38.1	38.0	
<b>Retail trade</b> .....	29.0	28.8	28.6	28.8	28.6	28.5	28.9	28.9	28.9	29.0	28.7	28.8	29.0	
<b>Finance, insurance, and real estate</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	
<b>Services</b> .....	32.6	32.6	32.4	32.6	32.4	32.4	32.7	32.1	32.5	32.6	32.3	32.4	32.3	

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

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

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

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1982=100)

Industry	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>
<b>Total private</b> .....	121.2	121.0	120.7	121.7	120.8	120.8	121.7	120.5	121.4	122.1	121.3	121.9	122.5
<b>Goods-producing</b> .....	103.2	103.5	103.6	104.6	103.3	103.3	102.8	102.1	102.3	102.6	102.6	102.9	103.9
<b>Mining</b> .....	58.2	58.3	57.6	57.1	55.6	55.7	56.2	55.0	55.6	55.9	54.7	55.0	52.7
<b>Construction</b> .....	119.7	120.6	121.9	125.2	122.4	122.3	121.8	121.3	121.4	119.8	120.0	117.7	123.2
<b>Manufacturing</b> .....	102.7	102.9	102.8	103.3	102.4	102.5	101.8	101.2	101.4	102.1	102.1	103.0	103.3
<b>Durable goods</b> .....	99.5	99.7	99.2	100.1	99.0	99.0	98.4	97.2	97.9	98.8	98.8	100.0	100.2
Lumber and wood products .....	122.4	122.6	121.4	121.7	118.8	120.9	119.6	119.2	121.7	123.6	122.5	122.4	125.6
Furniture and fixtures .....	113.9	115.7	116.0	116.0	115.8	117.3	113.3	111.9	113.6	114.4	114.5	115.7	116.9
Stone, clay, and glass products .....	101.1	101.6	103.3	103.8	103.3	103.6	102.8	103.3	102.6	102.3	102.1	101.8	104.1
Primary metal industries .....	87.1	87.2	87.6	88.1	87.1	86.9	86.7	85.6	85.5	85.7	86.5	87.3	88.1
Blast furnaces and basic steel products .....	75.8	75.7	76.6	76.4	75.5	75.1	74.9	72.7	72.6	72.7	72.8	73.5	74.8
Fabricated metal products .....	101.7	101.7	101.1	102.6	101.4	101.9	101.2	99.6	100.5	101.2	100.9	102.4	102.9
Industrial machinery and equipment .....	90.2	90.4	90.5	92.1	91.0	90.4	90.4	90.3	90.9	92.0	91.5	92.3	92.0
Electronic and other electrical equipment .....	100.7	100.9	100.2	101.6	100.5	100.6	99.6	99.3	99.9	101.1	100.9	101.4	102.3
Transportation equipment .....	114.0	114.0	112.6	112.2	111.2	109.9	110.9	106.0	106.7	109.1	110.8	114.8	113.0
Motor vehicles and equipment .....	130.4	129.3	131.0	128.6	126.9	127.6	128.2	120.1	121.8	127.6	132.5	143.0	139.7
Instruments and related products .....	83.0	82.8	81.3	82.3	81.5	81.3	80.7	79.9	80.3	79.6	78.9	79.8	78.5
Miscellaneous manufacturing .....	99.5	100.1	99.9	100.5	99.8	100.8	97.5	97.4	98.2	98.6	98.1	97.1	98.4
<b>Nondurable goods</b> .....	107.3	107.4	107.8	107.8	107.2	107.4	106.6	106.8	106.2	106.6	106.7	107.3	107.5
Food and kindred products .....	111.3	111.1	112.1	111.5	110.6	111.6	111.0	110.7	111.1	111.4	110.9	111.5	112.0
Tobacco products .....	70.0	72.4	72.7	70.0	71.4	71.2	75.5	69.3	68.1	64.8	72.2	71.4	67.9
Textile mill products .....	100.5	100.6	100.6	100.3	99.9	99.3	98.0	100.7	97.1	98.5	99.8	100.2	100.9
Apparel and other textile products .....	93.7	94.2	93.6	94.3	93.5	94.7	92.6	92.5	92.2	92.7	92.3	93.0	92.6
Paper and allied products .....	109.7	109.9	111.3	111.3	110.6	110.1	109.7	111.5	109.6	109.4	109.2	109.9	110.4
Printing and publishing .....	123.3	123.6	123.5	124.1	123.5	123.3	123.2	123.6	123.5	123.2	123.2	123.3	123.0
Chemicals and allied products .....	100.9	100.0	99.8	100.7	100.1	99.1	99.1	98.1	98.1	98.0	98.1	98.5	98.6
Petroleum and coal products .....	87.0	86.3	84.8	86.5	82.2	83.1	83.3	82.1	84.6	84.4	83.0	84.8	84.7
Rubber and misc. plastics products .....	127.3	127.6	129.5	128.8	129.3	128.8	128.2	127.0	126.8	128.5	129.2	131.1	131.5
Leather and leather products .....	57.0	57.8	59.0	58.7	57.8	59.6	57.6	57.5	58.4	59.6	57.5	58.1	59.8
<b>Service-producing</b> .....	129.3	128.9	128.4	129.4	128.7	128.7	130.2	128.8	130.0	130.8	129.6	130.4	130.9
<b>Transportation and public utilities</b> .....	113.6	112.9	112.0	113.7	113.2	113.7	114.7	114.0	113.9	115.7	114.9	116.7	116.7
<b>Wholesale trade</b> .....	113.5	112.8	112.9	113.0	112.4	111.8	113.1	111.6	112.2	113.6	112.0	112.8	112.7
<b>Retail trade</b> .....	120.2	119.1	118.8	119.6	118.8	118.4	119.6	119.7	119.7	120.1	119.2	120.0	121.6
<b>Finance, insurance, and real estate</b> .....	120.8	120.5	118.3	119.0	118.4	117.6	120.6	118.2	119.7	121.4	118.9	119.9	119.2
<b>Services</b> .....	147.6	147.9	147.6	149.0	148.3	148.7	150.3	147.8	150.3	150.8	149.8	150.3	150.4

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

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1988 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

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

Industry	1992											1993	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>p</sup>	Feb. <sup>p</sup>
	Average hourly earnings												
<b>Total private</b> (in current dollars) .....	\$10.51	\$10.55	\$10.52	\$10.56	\$10.58	\$10.58	\$10.66	\$10.63	\$10.65	\$10.71	\$10.69	\$10.73	\$10.75
<b>Mining</b> .....	14.45	14.50	14.46	14.49	14.52	14.50	14.55	14.54	14.59	14.67	14.46	14.56	14.50
<b>Construction</b> .....	13.93	14.06	14.03	14.09	14.20	14.11	14.21	14.07	14.15	14.20	14.16	14.12	14.16
<b>Manufacturing</b> .....	11.34	11.37	11.42	11.44	11.44	11.45	11.51	11.51	11.51	11.54	11.57	11.59	11.64
<b>Excluding overtime</b> <sup>2</sup> .....	10.86	10.87	10.93	10.92	10.93	10.95	11.00	11.03	10.98	11.02	11.04	11.08	11.09
<b>Transportation and public utilities</b> .....	13.43	13.41	13.43	13.44	13.47	13.43	13.53	13.56	13.56	13.65	13.57	13.56	13.56
<b>Wholesale trade</b> .....	11.33	11.35	11.29	11.37	11.38	11.38	11.51	11.44	11.48	11.53	11.47	11.60	11.60
<b>Retail trade</b> .....	7.09	7.12	7.09	7.12	7.11	7.14	7.16	7.18	7.18	7.19	7.20	7.22	7.24
<b>Finance, insurance, and real estate</b> .....	10.73	10.78	10.68	10.76	10.76	10.76	10.96	10.84	10.92	11.09	11.00	11.10	11.13
<b>Services</b> .....	10.47	10.50	10.46	10.49	10.53	10.53	10.61	10.59	10.61	10.68	10.66	10.72	10.74
<b>Total private</b> (in constant dollars) <sup>3</sup> .....	7.45	7.46	7.41	7.43	7.43	7.41	7.45	7.42	7.40	7.43	7.40	7.40	(*)
	Average weekly earnings												
<b>Total private:</b>													
In current dollars .....	363.65	363.98	360.84	365.38	362.89	362.89	368.84	364.61	367.43	370.57	366.67	370.19	370.88
In constant (1982) dollars <sup>3</sup> .....	257.91	257.23	254.29	257.13	254.84	254.12	257.75	254.44	255.34	256.98	253.93	255.30	(*)

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

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

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

<sup>4</sup> Not available.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1991 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1988 forward are subject to revision. The CPI-W has been revised to reflect the experience through December 1992. Constant-dollar earnings series have been revised from January 1988 through December 1992.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>p</sup>
<b>Alabama</b> .....	40.9	42.1	41.3	\$9.91	\$10.15	\$10.15	\$405.32	\$427.32	\$419.20
Birmingham .....	41.1	42.9	41.7	10.28	10.70	10.55	422.51	459.03	439.94
Mobile .....	41.3	42.8	42.7	11.86	12.50	12.42	489.82	535.00	530.33
<b>Alaska</b> .....	37.9	38.5	35.7	10.73	12.10	10.66	406.67	465.85	380.56
<b>Arizona</b> .....	40.8	41.5	40.3	10.87	10.98	11.02	443.50	455.67	444.11
<b>Arkansas</b> .....	41.2	41.8	41.8	8.98	9.23	9.17	369.98	385.81	383.31
Fayetteville-Springdale .....	40.7	42.7	41.6	8.30	8.71	8.37	337.81	371.92	348.19
Fort Smith .....	39.6	41.2	40.1	9.19	9.43	9.53	363.92	388.52	382.15
Little Rock-North Little Rock .....	41.4	41.9	42.2	9.51	9.69	9.79	393.71	406.01	413.14
Pine Bluff .....	42.1	43.5	42.6	10.19	10.27	10.39	429.00	446.75	442.61
<b>California</b> .....	40.4	41.4	40.6	12.13	12.32	12.26	490.05	510.05	497.76
Anaheim-Santa Ana .....	40.6	41.6	40.7	12.18	12.40	12.37	494.51	515.84	503.46
Bakersfield .....	40.3	39.2	39.4	12.48	12.52	12.57	502.94	490.78	495.26
Fresno .....	40.3	41.4	39.7	10.19	10.00	10.13	410.66	414.00	402.16
Los Angeles-Long Beach .....	41.1	42.1	41.4	11.37	11.48	11.49	467.31	483.31	475.69
Modesto .....	37.9	41.9	39.1	11.87	11.91	12.00	449.87	499.03	469.20
Oakland .....	40.5	41.0	39.8	14.17	14.37	14.29	573.89	589.17	568.74
Oxnard-Ventura .....	40.8	41.3	41.4	11.48	11.63	11.56	468.38	480.32	478.58
Riverside-San Bernardino .....	39.7	40.7	39.4	11.08	11.46	11.37	439.88	466.42	447.98
Sacramento .....	39.4	40.4	38.9	12.61	12.91	12.83	496.83	521.56	499.09
Salinas-Seaside-Monterey .....	38.2	39.7	38.0	11.72	12.51	12.36	447.70	496.65	469.68
San Diego .....	38.9	40.5	39.0	12.09	12.57	12.50	470.30	509.09	487.50
San Francisco .....	39.6	39.9	39.7	13.20	13.40	13.25	522.72	534.66	526.03
San Jose .....	41.3	42.0	41.0	14.78	14.92	14.91	610.41	626.64	611.31
Santa Barbara-Santa Maria-Lompoc .....	40.1	41.2	40.3	12.42	12.76	12.98	498.04	525.71	523.09
Santa Rosa-Petaluma .....	38.0	40.3	40.1	12.14	12.88	13.10	461.32	519.06	525.31
Stockton .....	41.4	42.2	40.9	11.74	12.06	12.19	486.04	508.93	498.57
Vallejo-Fairfield-Napa .....	39.7	40.5	38.2	13.87	14.16	14.09	550.64	573.48	538.24
<b>Colorado</b> .....	39.6	42.0	41.5	11.22	11.63	11.57	444.31	488.46	480.16
Denver .....	40.5	42.6	41.1	12.66	12.99	12.72	512.73	553.37	522.79
<b>Connecticut</b> .....	41.8	42.2	42.1	12.28	12.72	12.72	513.30	536.78	535.51
Bridgeport-Milford .....	41.9	42.7	42.8	12.68	13.47	13.42	531.29	575.17	574.38
Hartford .....	41.7	42.1	42.0	12.89	13.71	13.66	537.51	577.19	573.72
New Britain .....	41.9	43.7	42.5	12.75	13.08	13.25	534.23	571.60	563.13
New Haven-Meriden .....	41.3	40.8	40.2	11.83	12.56	12.60	488.58	512.45	506.52
Stamford .....	41.0	41.0	39.7	12.39	11.09	10.84	507.99	454.69	430.35
Waterbury .....	42.1	41.8	44.1	11.07	11.50	11.50	466.05	480.70	507.15
<b>Delaware</b> .....	40.9	41.5	39.9	12.56	12.50	12.83	513.70	518.75	511.92
Wilmington .....	41.1	43.1	40.6	14.85	14.88	15.15	610.34	641.33	615.09
<b>District of Columbia:</b>									
Washington MSA .....	38.2	38.8	40.4	13.38	14.22	13.80	511.12	551.74	557.52
<b>Florida</b> .....	41.0	42.4	41.2	9.51	9.79	9.71	389.91	415.10	400.05
<b>Georgia</b> .....	41.2	42.2	41.2	9.71	10.05	10.03	400.05	424.11	413.24
Atlanta .....	40.7	41.9	41.0	11.08	11.29	11.21	450.96	473.05	459.61
Savannah .....	45.2	47.8	45.0	12.39	13.38	13.31	560.03	639.56	598.95
<b>Hawaii</b> .....	38.7	41.0	39.3	11.56	11.92	12.00	447.37	488.72	471.60
Honolulu .....	38.0	41.3	38.2	12.14	12.59	12.50	461.32	519.97	477.50
<b>Idaho</b> .....	39.1	39.9	39.0	11.61	11.69	11.83	453.95	466.43	461.37

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Illinois</b> .....	40.7	41.9	41.4	\$11.67	\$11.98	\$11.98	\$474.97	\$501.96	\$495.97
Aurora-Elgin .....	39.8	42.0	41.6	11.16	11.76	11.70	444.17	493.92	486.72
Bloomington-Normal .....	39.7	40.7	41.2	13.96	15.18	15.39	554.21	617.83	634.07
Champaign-Urbana-Rantoul .....	40.4	40.8	41.2	10.37	10.61	10.58	418.95	432.89	435.90
Chicago .....	40.4	41.4	40.9	11.57	11.77	11.71	467.43	487.28	478.94
Davenport-Rock Island-Moline .....	39.9	40.5	41.5	14.09	14.04	14.01	562.19	568.62	581.42
Decatur .....	40.4	42.4	41.2	14.56	14.84	14.76	588.22	629.22	608.11
Joliet .....	40.0	41.9	41.0	13.70	13.75	13.66	548.00	576.13	560.06
Kankakee .....	40.9	41.0	41.0	11.72	12.29	12.27	479.35	503.89	503.07
Lake County .....	39.7	40.7	40.7	11.70	11.72	11.74	464.49	477.00	477.82
Peoria .....	39.5	42.6	42.7	14.00	15.11	15.16	553.00	643.69	647.33
Rockford .....	40.0	42.1	41.5	12.24	13.08	13.24	489.60	550.67	549.46
Springfield .....	38.3	39.8	38.6	11.36	11.61	11.46	435.09	462.08	442.36
<b>Indiana</b> .....	41.2	42.8	42.0	12.67	12.99	12.85	522.00	555.97	539.70
Anderson .....	41.3	39.7	39.4	17.15	18.07	18.39	708.30	717.38	724.57
Bloomington .....	39.7	42.3	39.8	12.10	12.28	12.08	480.37	519.44	480.78
Eikhart-Goshen .....	38.9	39.4	39.3	10.08	10.72	10.44	392.11	422.37	410.29
Evansville .....	42.0	44.3	41.5	12.92	12.40	12.68	542.64	549.32	526.22
Fort Wayne .....	41.0	40.6	41.9	13.09	13.32	13.49	536.69	540.79	565.23
Gary-Hammond .....	42.0	44.1	42.7	16.40	17.07	16.03	688.80	752.79	684.48
Indianapolis .....	41.7	43.2	43.1	13.41	13.78	13.51	559.20	595.30	582.28
Kokomo .....	39.0	39.3	40.1	17.21	17.31	17.12	671.19	680.28	686.51
Lafayette-West Lafayette .....	41.7	44.8	43.3	13.35	13.77	13.54	556.70	616.90	586.28
Muncie .....	45.3	44.3	43.1	13.75	14.01	14.02	622.88	620.64	604.26
South Bend-Mishawaka .....	40.4	42.5	39.6	11.66	11.82	11.82	471.06	502.35	468.07
Terre Haute .....	42.9	45.9	44.7	11.48	12.11	12.07	492.49	555.85	539.53
<b>Iowa</b> .....	41.2	41.8	40.6	11.71	12.17	12.09	482.45	508.71	490.85
Cedar Rapids .....	41.7	43.3	41.7	14.14	14.69	14.48	575.50	636.08	603.82
Des Moines .....	40.0	40.9	39.9	12.75	12.57	12.70	522.75	514.11	506.73
Dubuque .....	39.5	41.5	40.7	11.02	12.45	12.45	435.29	516.68	506.72
Sioux City .....	41.0	40.9	39.9	9.87	9.83	9.95	404.67	402.05	397.01
<b>Kansas</b> .....	40.5	41.5	40.9	11.41	11.99	11.91	462.11	497.59	487.12
Topeka .....	41.3	42.0	42.1	14.11	13.87	13.86	582.74	582.54	583.51
Wichita .....	40.4	42.3	41.4	13.35	13.96	13.92	539.34	590.51	576.29
<b>Kentucky</b> .....	40.4	40.9	40.4	11.06	11.41	11.39	446.82	466.67	460.16
Lexington-Fayette .....	41.9	42.4	41.6	12.08	12.31	12.27	506.15	521.94	510.43
Louisville .....	41.4	41.1	40.8	12.55	13.02	13.03	519.57	535.12	531.62
<b>Louisiana</b> .....	43.0	43.8	42.3	11.89	12.63	12.49	511.27	553.19	528.33
Baton Rouge .....	45.6	44.5	44.3	14.04	14.49	14.71	640.22	644.81	651.65
New Orleans .....	41.6	42.7	41.3	11.37	12.31	12.26	472.99	525.64	506.34
Shreveport .....	40.1	41.4	40.6	12.56	14.59	13.97	503.66	604.03	567.18
<b>Maine</b> .....	39.9	40.5	40.0	11.28	11.53	11.51	450.07	466.97	460.40
Lewiston-Auburn .....	42.9	40.0	38.2	9.51	9.38	9.93	407.98	375.20	379.33
Portland .....	39.1	38.4	38.6	10.51	10.50	10.39	410.94	403.20	401.05
<b>Maryland</b> .....	40.8	41.3	40.7	12.36	12.79	12.77	504.29	528.23	519.74
Baltimore MSA .....	41.4	41.6	41.0	13.03	13.41	13.32	539.44	557.86	546.12
<b>Massachusetts</b> .....	40.9	41.4	40.9	11.90	12.32	12.33	486.71	510.05	504.30
Boston .....	40.3	41.3	40.7	12.74	13.23	13.20	513.42	546.40	537.24
Springfield .....	40.8	39.6	39.7	11.56	11.99	11.90	471.65	474.80	472.43
Worcester .....	41.4	41.6	41.3	11.52	11.68	11.44	476.93	485.89	472.47
<b>Michigan</b> .....	41.3	42.9	42.1	14.64	15.05	15.00	604.63	645.64	631.50
Ann Arbor .....	39.2	42.5	41.6	16.20	16.25	16.05	635.04	690.63	667.68
Battle Creek .....	41.8	41.8	41.7	16.95	16.36	16.14	708.51	683.85	673.04
Detroit .....	41.5	44.1	42.9	15.82	16.27	16.14	656.53	717.51	692.41
Flint .....	41.1	40.4	40.0	18.47	18.79	19.01	759.12	759.12	760.40
Grand Rapids .....	40.8	42.8	41.8	12.55	12.34	12.49	512.04	528.15	522.08
Jackson .....	41.8	44.2	41.8	10.77	10.97	10.84	450.19	484.87	453.11
Kalamazoo .....	41.9	44.2	43.4	14.15	14.75	14.97	592.88	651.95	649.70
Lansing-East Lansing .....	39.4	43.6	44.4	17.75	16.19	16.12	699.35	705.88	715.73
Muskegon .....	40.8	40.7	40.2	12.59	12.68	12.85	513.67	516.08	516.57
Saginaw-Bay City-Midland .....	42.1	43.3	42.8	16.18	16.74	16.87	681.18	724.84	722.04

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>a</sup>
<b>Minnesota</b> .....	40.3	41.9	41.1	\$11.79	\$12.20	\$12.15	\$475.14	\$511.18	\$499.37
Duluth .....	41.0	41.5	41.4	11.52	11.72	11.78	472.32	486.38	487.69
Minneapolis-St. Paul .....	40.8	41.8	40.7	12.47	12.93	12.89	508.78	540.47	524.62
St. Cloud .....	38.3	40.0	39.5	10.34	10.62	10.67	396.02	424.80	421.47
<b>Mississippi</b> .....	39.6	41.7	40.5	8.79	9.07	9.06	348.08	378.22	366.93
Jackson .....	38.5	40.8	38.5	9.33	9.51	9.72	359.21	388.01	374.22
<b>Missouri</b> .....	40.6	42.4	40.9	10.87	11.38	11.60	441.32	482.51	474.44
Kansas City .....	42.0	42.8	41.0	12.55	13.31	13.25	527.10	569.67	543.25
St. Louis .....	41.7	43.9	42.1	13.07	13.70	13.59	545.02	601.43	572.14
Springfield .....	40.6	42.5	39.5	9.92	10.07	9.96	402.75	427.98	393.42
<b>Montana</b> .....	37.8	40.0	38.2	11.69	12.32	12.50	441.88	492.80	477.50
<b>Nebraska</b> .....	41.4	42.1	42.3	10.09	10.34	10.27	417.73	435.31	434.42
Lincoln .....	39.8	41.2	40.1	11.35	11.62	11.79	451.73	478.74	472.78
Omaha .....	41.5	41.9	42.2	10.63	10.68	10.56	441.15	447.49	445.63
<b>Nevada</b> .....	40.4	41.7	40.6	11.08	11.68	11.57	447.63	487.06	469.74
Las Vegas .....	40.7	43.0	42.3	12.57	13.13	12.68	511.60	564.59	536.36
<b>New Hampshire</b> .....	41.8	43.6	42.7	11.11	11.54	11.45	464.40	503.14	488.92
Manchester .....	41.4	44.4	42.1	10.95	11.20	11.18	453.33	497.28	470.68
Nashua .....	42.1	46.0	47.3	13.96	14.80	14.59	587.72	680.80	690.11
Portsmouth-Dover-Rochester .....	40.6	43.4	41.5	10.76	11.35	11.09	436.86	492.59	460.24
<b>New Jersey</b> .....	41.5	41.9	41.3	12.51	12.86	12.81	519.17	538.83	529.05
<b>New Mexico</b> .....	38.8	40.2	38.7	9.77	10.07	9.88	379.08	404.81	382.36
Albuquerque .....	38.7	41.1	39.4	9.92	10.10	10.12	383.90	415.11	398.73
<b>New York</b> .....	39.6	40.8	40.6	11.59	11.90	11.92	458.96	485.52	483.95
Albany-Schenectady-Troy .....	40.6	41.9	40.5	12.61	13.32	13.15	511.97	558.11	532.58
Binghamton .....	40.1	41.5	41.7	9.54	9.74	9.81	382.55	404.21	409.08
Buffalo .....	41.9	44.0	43.7	13.65	14.29	14.21	571.94	628.76	620.98
Elmira .....	41.2	41.3	42.2	10.67	11.09	11.22	439.60	458.02	473.48
Nassau-Suffolk .....	38.3	40.8	40.2	11.89	11.58	11.54	455.39	472.46	463.91
New York PMSA .....	37.3	38.6	38.4	10.52	10.56	10.62	392.40	407.62	407.81
New York City .....	37.0	38.2	38.2	10.34	10.20	10.25	382.58	389.64	391.55
Niagara Falls .....	40.9	41.5	40.9	14.73	15.33	15.30	602.46	636.20	625.77
Orange County .....	40.9	39.6	40.9	9.92	10.29	10.39	405.73	407.48	424.95
Poughkeepsie .....	39.3	40.6	41.6	11.61	10.77	10.77	456.27	437.26	448.03
Rochester .....	41.7	42.1	41.7	13.53	13.78	13.75	564.20	580.14	573.38
Rochland County .....	44.3	43.3	43.6	13.68	13.75	13.44	606.02	595.38	585.98
Syracuse .....	40.1	42.5	41.6	12.74	13.43	13.43	510.87	570.78	558.69
Utica-Rome .....	40.2	41.8	40.7	10.87	10.97	11.05	436.97	458.55	449.74
Westchester County .....	38.9	40.5	38.5	11.56	12.37	12.56	449.68	500.99	483.56
<b>North Carolina</b> .....	40.2	41.5	40.9	9.36	9.72	9.73	376.27	403.38	397.96
Asheville .....	41.0	40.4	41.2	9.43	9.88	9.81	386.63	399.15	404.17
Charlotte-Gastonia-Rock Hill .....	39.9	41.8	41.1	9.97	10.34	10.41	397.80	432.21	427.85
Greensboro-Winston-Salem-High Point .....	39.7	41.0	40.4	10.13	10.58	10.54	402.16	433.78	425.82
Raleigh-Durham .....	42.2	43.3	41.4	10.23	10.73	10.64	431.71	464.61	440.50
<b>North Dakota</b> .....	39.8	40.6	42.0	9.51	9.75	9.92	378.50	395.85	416.64
Fargo-Moorhead .....	38.1	40.3	40.1	8.99	9.02	9.31	342.52	363.51	373.33
<b>Ohio</b> .....	41.3	43.3	42.6	13.17	13.84	13.82	543.92	599.27	588.73
Akron .....	42.3	42.9	42.8	12.15	12.75	12.76	513.95	546.98	546.13
Canton .....	40.5	42.2	41.8	11.45	12.27	12.25	463.73	517.79	512.05
Cincinnati .....	41.7	42.9	42.0	12.67	13.06	12.89	528.34	560.27	541.38
Cleveland .....	40.6	43.2	42.9	12.46	13.15	13.19	505.88	568.08	565.85
Columbus .....	41.5	43.1	42.3	13.11	13.61	13.58	544.07	586.59	574.43
Dayton-Springfield .....	41.3	43.5	43.1	14.31	15.07	15.09	591.00	655.55	650.38
Toledo .....	41.1	43.3	42.9	14.15	14.99	14.89	581.57	649.07	638.78
Youngstown-Warren .....	41.4	42.5	42.7	15.36	16.10	16.25	635.90	684.25	693.88

See footnotes at end of table.



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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Oklahoma</b> .....	40.3	43.1	40.8	\$11.35	\$11.25	\$11.34	\$457.41	\$484.88	\$462.67
Oklahoma City .....	40.8	46.2	42.9	12.21	11.75	11.94	498.17	542.85	512.23
Tulsa .....	41.6	43.9	41.4	11.97	12.14	12.17	497.95	532.95	503.84
<b>Oregon</b> .....	39.1	39.5	38.8	11.91	12.19	12.20	465.68	481.51	473.36
Eugene-Springfield .....	38.9	38.1	38.4	11.73	12.06	12.03	456.30	459.49	461.95
Medford .....	40.3	39.7	39.3	11.33	11.51	11.45	456.60	456.95	449.99
Portland .....	39.7	40.5	39.8	12.25	12.59	12.58	486.33	509.90	500.68
Salem .....	36.1	37.3	35.9	10.30	10.61	10.63	371.83	395.75	381.62
<b>Pennsylvania</b> .....	40.5	41.0	41.3	11.63	12.12	12.04	471.02	496.92	497.25
Allentown-Bethlehem .....	39.9	40.7	40.7	11.61	12.02	12.00	463.24	489.21	488.40
Altoona .....	38.5	37.5	39.0	9.76	10.11	10.21	375.76	379.13	398.19
Beaver County .....	45.2	45.7	45.7	11.73	11.91	11.94	530.20	544.29	545.66
Erie .....	42.5	44.7	43.9	11.99	12.77	12.57	509.58	570.82	551.82
Harrisburg-Lebanon-Carlisle .....	38.9	40.3	40.0	10.93	11.60	11.51	425.18	467.48	460.40
Johnstown .....	39.0	35.7	39.7	9.07	9.02	9.00	353.73	322.01	357.30
Lancaster .....	40.4	41.3	41.3	11.48	11.67	11.76	463.79	481.97	485.69
Philadelphia PMSA .....	40.6	41.6	40.8	12.79	13.27	13.20	519.27	552.03	538.56
Pittsburgh .....	40.9	40.8	41.7	12.24	12.70	12.63	500.62	518.16	526.67
Reading .....	40.8	42.4	41.5	12.23	12.61	12.44	498.98	534.66	516.26
Scranton-Wilkes-Barre .....	39.6	39.3	39.9	10.36	10.76	10.77	410.26	422.87	429.72
Sharon .....	41.4	43.6	43.1	12.55	12.25	12.29	519.57	534.10	529.70
State College .....	39.6	39.7	39.5	10.44	10.18	10.44	413.42	404.15	412.38
Williamsport .....	40.0	42.3	42.0	10.37	10.51	10.58	414.80	444.57	444.36
York .....	41.1	41.0	41.6	11.21	11.67	11.65	460.73	478.47	484.64
<b>Rhode Island</b> .....	39.9	40.1	39.2	9.76	10.05	10.09	389.42	403.01	395.53
Pawtucket-Woonsocket-Attleboro .....	39.5	40.4	39.8	9.20	9.57	9.56	363.40	386.63	380.49
Providence .....	40.5	40.3	38.7	10.07	10.32	10.42	407.84	415.90	403.25
<b>South Carolina</b> .....	41.6	42.2	42.1	9.35	9.64	9.67	388.96	406.81	407.11
<b>South Dakota</b> .....	41.3	41.7	41.5	8.75	8.84	8.95	361.38	368.63	371.43
Rapid City .....	41.7	42.4	41.9	9.20	9.12	9.37	383.64	386.69	392.60
Sioux Falls .....	40.6	40.9	39.5	9.15	9.12	9.33	371.49	373.01	368.54
<b>Tennessee</b> .....	39.9	41.3	40.7	10.01	10.27	10.19	399.40	424.15	414.73
Chattanooga .....	41.0	42.0	41.9	9.35	9.66	9.58	383.35	405.72	401.40
Johnson City-Kingsport-Bristol .....	37.7	39.4	38.5	9.88	11.08	10.82	372.48	436.55	416.57
Knoxville .....	40.1	40.0	39.5	9.96	10.44	10.39	399.40	417.60	410.41
Memphis .....	41.5	42.2	40.8	10.59	10.63	10.53	439.49	448.59	429.62
Nashville .....	40.6	41.1	40.6	11.23	11.28	11.21	455.94	463.61	455.13
<b>Texas</b> .....	42.0	43.5	42.8	10.89	11.03	11.05	457.38	479.81	472.94
Dallas .....	41.5	43.5	42.2	10.56	10.83	10.74	438.24	471.11	453.23
Ft. Worth-Arlington .....	41.3	43.3	42.2	11.75	11.95	11.68	485.28	517.44	492.90
Houston .....	43.5	46.2	44.8	12.91	13.48	13.41	561.59	622.78	600.77
San Antonio .....	41.3	42.1	41.9	8.15	8.51	8.44	336.60	358.27	353.64
<b>Utah</b> .....	39.9	39.8	38.1	11.00	10.96	10.92	438.90	436.21	416.05
Salt Lake City-Ogden .....	39.9	41.6	38.6	11.18	11.54	11.46	446.08	480.06	442.36
<b>Vermont</b> .....	41.5	41.7	40.9	11.43	11.60	11.60	474.35	483.72	474.44
Burlington .....	42.0	41.4	41.8	11.95	11.94	11.98	501.90	494.32	500.76
<b>Virginia</b> .....	40.5	41.3	40.9	10.47	10.85	10.77	424.04	448.11	440.49
Bristol .....	40.2	39.9	40.0	8.84	9.38	9.24	355.37	374.26	369.60
Charlottesville .....	39.8	42.0	40.8	9.31	9.62	9.37	370.54	404.04	382.30
Danville .....	41.9	43.2	42.1	10.08	10.52	10.81	422.35	454.46	455.10
Lynchburg .....	39.5	42.7	42.5	10.08	10.75	10.78	398.16	459.03	458.15
Northern Virginia .....	39.0	39.9	40.7	12.21	13.44	13.84	476.19	536.26	563.29
Richmond-Petersburg .....	41.3	42.8	41.3	13.78	13.77	13.48	569.11	589.36	556.72
Roanoke .....	42.8	41.5	42.2	12.80	12.30	12.47	547.84	510.45	526.23
<b>Washington</b> .....	39.8	40.6	40.1	13.59	13.78	14.07	540.88	559.47	564.21

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>West Virginia</b> .....	40.5	40.3	40.6	\$12.07	\$12.15	\$12.06	\$488.84	\$489.65	\$489.64
Charleston .....	42.0	43.3	44.2	14.39	14.69	13.78	604.38	636.08	609.08
Huntington-Ashland .....	40.6	40.5	39.9	13.62	13.74	13.54	552.97	556.47	540.25
Parkersburg-Marietta .....	41.7	42.4	42.0	14.41	14.46	14.87	600.90	613.10	624.54
Wheeling .....	38.2	41.8	43.8	13.70	14.48	13.87	523.34	605.26	607.51
<b>Wisconsin</b> .....	41.4	42.7	41.7	11.77	12.06	12.12	487.28	514.96	505.40
Appleton-Oshkosh .....	42.3	44.6	43.2	12.44	13.11	13.02	526.21	584.71	562.46
Eau Claire .....	46.9	41.1	40.7	12.37	12.51	12.18	580.15	514.16	495.73
Green Bay .....	42.6	44.2	41.6	12.79	12.91	12.56	544.85	570.62	522.50
Janesville-Beloit .....	43.7	46.6	45.0	15.89	15.76	16.08	694.39	734.42	723.60
Kenosha .....	39.9	40.7	39.9	11.86	12.33	12.53	473.21	501.83	499.95
La Crosse .....	40.1	41.8	41.2	10.35	10.49	10.01	415.04	438.48	412.41
Madison .....	40.5	41.8	41.1	11.00	11.01	11.05	445.50	460.22	454.16
Milwaukee .....	41.4	42.4	41.4	12.68	13.02	13.11	524.95	552.05	542.75
Racine .....	39.6	42.3	41.2	11.58	11.92	11.73	458.57	504.22	483.28
Sheboygan .....	41.5	42.0	41.3	11.57	11.92	11.87	480.16	500.64	490.23
Wausau .....	41.6	40.8	42.1	11.09	11.36	11.79	461.34	463.49	496.36
<b>Wyoming</b> .....	38.2	39.1	37.4	11.02	11.27	11.50	420.96	440.66	430.10
<b>Puerto Rico</b> .....	38.1	40.5	39.8	6.42	6.85	6.62	244.60	277.43	271.44
<b>Virgin Islands</b> .....	43.1	42.2	43.9	13.75	14.19	14.67	592.63	598.82	644.01

<sup>1</sup> Not available.

<sup>P</sup> = preliminary.

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

publication. All State and area data have been adjusted to March 1992 benchmarks.

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	Nov. 1992 <sup>r</sup>	Dec. 1992 <sup>r</sup>	Jan. 1993 <sup>p</sup>	Jan. 1992 to Jan. 1993 <sup>p</sup>	Nov. 1992 to Dec. 1992 <sup>r</sup>	Dec. 1992 to Jan. 1993 <sup>p</sup>
Total .....	201,614	201,255	200,632	0.6	-0.2	-0.3
Private sector .....	164,402	163,646	163,035	.5	-.5	-.4
Mining .....	1,434	1,404	1,404	-6.0	-2.1	.0
Construction .....	8,974	8,981	8,814	-2.5	.1	-1.9
Manufacturing .....	38,560	38,554	38,125	-1.7	.0	-1.1
Durable goods .....	22,071	22,070	21,817	-2.0	.0	-1.1
Nondurable goods .....	16,489	16,484	16,308	-1.3	.0	-1.1
Transportation and public utilities .....	11,791	11,705	11,816	2.7	-.7	.9
Wholesale trade .....	11,964	11,869	11,895	-.1	-.8	.2
Retail trade .....	28,827	28,939	28,696	.6	.4	-.8
Finance, insurance, and real estate .....	12,654	12,414	12,400	.0	-1.9	-.1
Services .....	50,197	49,780	49,886	2.6	-.8	.2
Government .....	37,211	37,610	37,597	1.1	1.1	.0

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

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors. SOURCE: Office of Productivity and Technology (202--606-5606).

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

(1982=100)

Item	Annual average		Quarterly index										
	1991	1992 <sup>p</sup>	1990			1991				1992			
			II	III	IV	I	II	III	IV	I	II	III <sup>f</sup>	IV <sup>p</sup>
<b>Business sector</b>													
Output per hour of all persons .....	110.1	113.2	110.2	109.8	109.7	109.3	109.8	110.3	111.2	112.3	112.6	113.5	114.6
Output .....	129.8	132.7	133.7	132.5	131.3	129.2	129.5	130.0	130.6	131.4	131.9	133.0	134.6
Hours .....	117.9	117.2	121.4	120.7	119.8	118.1	117.9	117.8	117.5	117.0	117.2	117.2	117.4
Compensation per hour .....	146.6	152.1	138.9	141.0	142.9	144.1	146.1	147.5	148.8	150.3	151.0	152.7	154.4
Real compensation per hour .....	103.9	104.6	103.6	103.4	103.0	103.1	103.9	104.2	104.2	104.5	104.1	104.6	104.9
Unit labor costs .....	133.1	134.3	126.0	128.4	130.3	131.8	133.1	133.7	133.8	133.8	134.1	134.5	134.7
Unit nonlabor payments .....	142.5	148.8	140.0	139.1	139.5	141.2	141.8	142.8	144.3	147.0	148.9	147.9	151.3
Implicit price deflator .....	136.2	139.1	130.6	131.9	133.3	134.9	136.0	136.7	137.3	138.2	139.0	138.9	140.2
<b>Nonfarm business sector</b>													
Output per hour of all persons .....	108.7	111.6	108.6	108.1	108.1	107.9	108.4	108.9	109.6	110.6	111.1	111.8	112.9
Output .....	130.0	132.8	134.0	132.7	131.5	129.4	129.7	130.2	130.7	131.5	132.0	133.2	134.6
Hours .....	119.6	119.0	123.4	122.8	121.6	119.9	119.7	119.6	119.3	118.9	118.9	119.1	119.2
Compensation per hour .....	145.4	150.8	137.5	139.6	141.6	143.0	145.0	146.4	147.5	148.9	149.8	151.4	153.1
Real compensation per hour .....	103.0	103.7	102.5	102.4	102.1	102.3	103.1	103.4	103.3	103.5	103.3	103.7	104.0
Unit labor costs .....	133.8	135.1	126.6	129.1	131.0	132.5	133.8	134.4	134.6	134.6	134.9	135.3	135.5
Unit nonlabor payments .....	143.7	150.3	140.4	139.6	140.6	142.5	142.6	144.0	145.9	148.4	150.6	149.4	152.6
Implicit price deflator .....	137.0	140.0	131.1	132.5	134.1	135.7	136.6	137.5	138.3	139.1	139.9	139.9	141.0
<b>Manufacturing</b>													
Output per hour of all persons .....	128.1	131.9	124.8	127.2	127.0	126.1	127.5	129.4	129.7	129.4	131.0	132.7	134.0
Output .....	131.9	134.6	135.4	136.6	133.9	130.3	131.0	133.2	133.3	132.6	134.4	135.0	136.4
Hours .....	103.0	102.1	108.5	107.4	105.4	103.3	102.8	103.0	102.8	102.5	102.6	101.7	101.8
Compensation per hour .....	140.6	144.1	133.0	134.6	136.8	138.5	140.2	141.3	142.8	142.0	143.1	144.6	146.4
Real compensation per hour .....	99.6	99.1	99.2	98.7	98.6	99.1	99.7	99.8	100.0	98.7	98.7	99.0	99.5
Unit labor costs .....	109.8	109.3	106.6	105.8	107.7	109.9	110.0	109.2	110.1	109.8	109.2	108.9	109.3
<b>Durable goods</b>													
Output per hour of all persons .....	137.5	141.7	134.5	137.9	136.8	135.4	136.8	138.8	139.2	138.0	140.9	142.8	144.6
Output .....	138.9	140.7	145.7	147.3	142.6	137.6	138.3	140.2	139.7	138.2	140.6	141.1	142.9
Hours .....	101.1	99.3	108.3	106.8	104.2	101.6	101.1	101.0	100.3	100.2	99.8	98.8	98.9
Compensation per hour .....	138.5	141.7	131.0	132.6	134.9	136.5	137.9	139.0	140.9	139.3	140.4	141.8	144.7
Real compensation per hour .....	98.1	97.4	97.7	97.2	97.3	97.6	98.1	98.2	98.7	96.8	96.8	97.1	98.3
Unit labor costs .....	100.8	100.0	97.4	96.2	98.6	100.8	100.9	100.1	101.3	100.9	99.7	99.3	100.1
<b>Nondurable goods</b>													
Output per hour of all persons .....	116.8	120.1	113.2	114.4	115.2	114.8	116.2	118.0	118.2	118.9	119.2	120.6	121.2
Output .....	123.5	127.2	123.1	123.7	123.5	121.4	122.1	124.9	125.6	125.7	126.9	127.8	128.5
Hours .....	105.8	106.0	108.8	108.2	107.2	105.7	105.1	105.9	106.3	105.8	106.5	105.9	106.0
Compensation per hour .....	144.9	149.2	136.4	138.1	140.4	142.6	144.5	145.7	146.8	147.2	148.5	150.1	150.4
Real compensation per hour .....	102.6	102.6	101.8	101.3	101.3	102.0	102.7	102.9	102.8	102.4	102.4	102.8	102.2
Unit labor costs .....	124.1	124.3	120.6	120.8	121.9	124.2	124.3	123.5	124.2	123.9	124.6	124.4	124.0
<b>Nonfinancial corporations</b>													
Output per all-employee hour .....	113.9	( <sup>1</sup> )	112.3	111.9	112.6	113.0	113.6	114.2	115.3	116.0	116.7	118.2	( <sup>1</sup> )
Output .....	134.8	( <sup>1</sup> )	138.1	136.8	135.8	134.1	134.3	134.9	136.0	136.8	137.9	139.3	( <sup>1</sup> )
Hours .....	118.3	( <sup>1</sup> )	123.0	122.2	120.6	118.7	118.2	118.1	117.9	117.9	118.2	117.8	( <sup>1</sup> )
Compensation per hour .....	143.1	( <sup>1</sup> )	135.6	137.6	139.6	140.8	142.7	144.0	145.2	145.9	146.6	147.9	( <sup>1</sup> )
Real compensation per hour .....	101.4	( <sup>1</sup> )	101.1	100.9	100.7	100.7	101.5	101.7	101.7	101.4	101.1	101.3	( <sup>1</sup> )
Total unit costs .....	124.7	( <sup>1</sup> )	119.1	121.4	122.7	123.9	124.7	125.3	125.0	124.6	124.4	124.5	( <sup>1</sup> )
Unit labor costs .....	125.6	( <sup>1</sup> )	120.8	123.0	124.0	124.6	125.7	126.2	125.9	125.7	125.6	125.2	( <sup>1</sup> )
Unit nonlabor costs .....	122.6	( <sup>1</sup> )	114.9	117.4	119.5	122.2	122.1	123.1	122.8	121.7	121.4	122.8	( <sup>1</sup> )
Unit profits .....	152.9	( <sup>1</sup> )	176.7	157.2	149.7	151.3	154.5	150.7	155.2	167.7	179.6	179.3	( <sup>1</sup> )
Implicit price deflator .....	126.5	121.4	122.7	123.6	124.4	125.6	126.5	126.9	126.9	127.3	127.8	127.9	( <sup>1</sup> )

<sup>1</sup> Not available.  
<sup>p</sup> = preliminary.

<sup>f</sup> = revised.  
SOURCE: Office of Productivity and Technology (202--606-5606).

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	III 1991	IV 1991	I 1992	II 1992	III 1992 <sup>r</sup>	IV 1992 <sup>p</sup>	III 1991	IV 1991	I 1992	II 1992	III 1992 <sup>r</sup>	IV 1992 <sup>p</sup>
<b>Business sector</b>												
Output per hour of all persons .....	1.9	3.3	3.9	1.0	3.3	4.1	0.5	1.4	2.7	2.5	2.9	3.1
Output .....	1.6	2.0	2.3	1.6	3.6	4.6	-1.9	-5	1.7	1.9	2.4	3.0
Hours .....	-3	-1.3	-1.5	.6	.2	.5	-2.4	-1.9	-1.0	-6	-5	-1
Compensation per hour .....	3.9	3.5	4.0	1.9	4.5	4.6	4.6	4.1	4.2	3.3	3.5	3.8
Real compensation per hour .....	1.1	.0	1.1	-1.4	1.9	1.2	.8	1.1	1.3	.2	.4	.7
Unit labor costs .....	1.9	.2	.1	.9	1.2	.5	4.1	2.7	1.5	.8	.6	.7
Unit nonlabor payments .....	3.0	4.1	7.7	5.3	-2.7	9.5	2.7	3.4	4.1	5.0	3.5	4.9
Implicit price deflator .....	2.3	1.6	2.6	2.4	-2	3.6	3.6	3.0	2.4	2.2	1.6	2.1
<b>Nonfarm business sector</b>												
Output per hour of all persons .....	1.9	2.5	3.7	1.7	2.9	4.0	.7	1.3	2.5	2.4	2.7	3.0
Output .....	1.5	1.6	2.3	1.7	3.5	4.5	-1.9	-6	1.6	1.8	2.3	3.0
Hours .....	-3	-9	-1.3	.1	.6	.5	-2.6	-1.9	-9	-6	-4	-1
Compensation per hour .....	3.9	3.1	3.8	2.4	4.2	4.6	4.9	4.2	4.1	3.3	3.4	3.7
Real compensation per hour .....	1.2	-4	.9	-9	1.6	1.2	1.0	1.1	1.2	.2	.3	.7
Unit labor costs .....	2.0	.6	.1	.8	1.3	.6	4.1	2.8	1.7	.8	.7	.7
Unit nonlabor payments .....	4.1	5.4	7.1	5.8	-3.1	9.0	3.2	3.7	4.2	5.6	3.7	4.6
Implicit price deflator .....	2.7	2.2	2.4	2.5	-3	3.4	3.8	3.1	2.5	2.5	1.7	2.0
<b>Manufacturing</b>												
Output per hour of all persons .....	6.2	1.0	-1.0	5.3	5.3	3.8	1.7	2.1	2.6	2.8	2.6	3.3
Output .....	7.1	.2	-2.2	5.6	2.0	4.1	-2.5	-5	1.8	2.6	1.4	2.3
Hours .....	.8	-8	-1.1	.3	-3.2	.3	-4.1	-2.5	-8	-2	-1.2	-9
Compensation per hour .....	3.1	4.5	-2.3	3.2	4.1	5.3	5.0	4.4	2.5	2.1	2.3	2.5
Real compensation per hour .....	.4	.9	-5.0	-2	1.4	1.9	1.1	1.4	-4	-1.0	-7	-5
Unit labor costs .....	-3.0	3.5	-1.3	-2.0	-1.2	1.5	3.2	2.2	-1	-7	-3	-7
<b>Durable goods</b>												
Output per hour of all persons .....	6.3	1.0	-3.4	8.7	5.5	5.1	.7	1.7	1.9	3.0	2.8	3.9
Output .....	5.5	-1.5	-4.0	6.9	1.5	5.4	-4.8	-2.1	.5	1.6	.6	2.4
Hours .....	-7	-2.4	-7	-1.6	-3.8	.2	-5.5	-3.7	-1.4	-1.4	-2.1	-1.5
Compensation per hour .....	3.1	5.7	-4.6	3.3	3.9	8.6	4.8	4.5	2.1	1.8	2.0	2.7
Real compensation per hour .....	.4	2.1	-7.2	-1	1.3	5.0	1.0	1.5	-8	-1.3	-1.1	-3
Unit labor costs .....	-3.0	4.7	-1.2	-4.9	-1.5	3.3	4.1	2.7	.1	-1.2	-8	-1.2
<b>Nondurable goods</b>												
Output per hour of all persons .....	6.1	.9	2.2	.9	5.0	2.0	3.1	2.6	3.5	2.5	2.3	2.5
Output .....	9.3	2.5	.4	3.8	2.7	2.4	.9	1.8	3.6	3.9	2.3	2.3
Hours .....	3.0	1.5	-1.8	2.8	-2.3	.4	-2.1	-9	.0	1.4	.1	-2
Compensation per hour .....	3.4	3.0	1.2	3.4	4.5	.6	5.5	4.5	3.2	2.7	3.0	2.4
Real compensation per hour .....	.7	-6	-1.6	.0	1.8	-2.6	1.6	1.5	.3	-4	-1	-6
Unit labor costs .....	-2.6	2.1	-1.0	2.5	-5	-1.3	2.3	1.8	-3	.2	.7	-1
<b>Nonfinancial corporations</b>												
Output per all-employee hour .....	2.1	4.2	2.3	2.5	5.1	( <sup>1</sup> )	2.0	2.5	2.7	2.8	3.5	( <sup>1</sup> )
Output .....	1.8	3.4	2.3	3.4	3.9	( <sup>1</sup> )	-1.4	.2	2.0	2.7	3.3	( <sup>1</sup> )
Hours .....	-3	-7	.0	.9	-1.1	( <sup>1</sup> )	-3.4	-2.2	-6	.0	-2	( <sup>1</sup> )
Compensation per hour .....	3.7	3.3	1.8	2.0	3.7	( <sup>1</sup> )	4.7	4.0	3.6	2.7	2.7	( <sup>1</sup> )
Real compensation per hour .....	1.0	-2	-1.0	-1.3	1.1	( <sup>1</sup> )	.8	1.0	.7	-4	-4	( <sup>1</sup> )
Total unit costs .....	2.0	-9	-1.4	-6	.3	( <sup>1</sup> )	3.2	1.9	.5	-2	-6	( <sup>1</sup> )
Unit labor costs .....	1.5	-8	-5	-4	-1.4	( <sup>1</sup> )	2.6	1.5	.9	-1	-8	( <sup>1</sup> )
Unit nonlabor costs .....	3.3	-1.0	-3.5	-9	4.8	( <sup>1</sup> )	4.9	2.8	-4	-6	-2	( <sup>1</sup> )
Unit profits .....	-9.7	12.6	36.3	31.5	-6	( <sup>1</sup> )	-4.2	3.7	10.8	16.2	19.0	( <sup>1</sup> )
Implicit price deflator .....	1.1	.1	1.2	1.8	.2	( <sup>1</sup> )	2.6	2.0	1.3	1.0	.8	( <sup>1</sup> )

<sup>1</sup> Not available.  
<sup>p</sup> = preliminary.

<sup>r</sup> = revised.  
SOURCE: Office of Productivity and Technology (202-606-5606).

**HOUSEHOLD DATA  
REGIONS AND DIVISIONS  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Census region and division	1992											1993	
	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>NORTHEAST</b>													
Civilian noninstitutional population <sup>2</sup> .....	39,457	39,460	39,467	39,471	39,477	39,486	39,498	39,505	39,518	39,533	39,547	39,551	39,555
Civilian labor force .....	25,555	25,557	25,515	25,559	25,557	25,575	25,605	25,576	25,567	25,727	25,746	25,688	25,612
Employed .....	23,518	23,583	23,519	23,521	23,402	23,391	23,481	23,440	23,489	23,641	23,653	23,649	23,665
Unemployed .....	2,037	1,974	1,996	2,038	2,155	2,184	2,124	2,137	2,078	2,086	2,093	2,039	1,947
Unemployment rate .....	8.0	7.7	7.8	8.0	8.4	8.5	8.3	8.4	8.1	8.1	8.1	7.9	7.6
<b>New England</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,195	10,197	10,201	10,203	10,206	10,211	10,216	10,220	10,224	10,231	10,236	10,239	10,241
Civilian labor force .....	7,071	7,030	7,005	7,031	7,002	7,062	7,079	7,055	7,075	7,140	7,123	7,127	7,054
Employed .....	6,529	6,479	6,439	6,492	6,433	6,513	6,524	6,480	6,511	6,544	6,530	6,562	6,524
Unemployed .....	542	551	566	539	569	549	556	575	564	597	593	565	530
Unemployment rate .....	7.7	7.8	8.1	7.7	8.1	7.8	7.8	8.2	8.0	8.4	8.3	7.9	7.5
<b>Middle Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,263	29,263	29,266	29,268	29,270	29,276	29,281	29,285	29,294	29,302	29,312	29,312	29,314
Civilian labor force .....	18,484	18,527	18,510	18,528	18,555	18,513	18,526	18,521	18,492	18,587	18,623	18,561	18,558
Employed .....	16,988	17,104	17,080	17,028	16,969	16,879	16,957	16,960	16,978	17,098	17,123	17,087	17,141
Unemployed .....	1,496	1,423	1,430	1,500	1,586	1,635	1,569	1,562	1,514	1,489	1,500	1,474	1,417
Unemployment rate .....	8.1	7.7	7.7	8.1	8.5	8.8	8.5	8.4	8.2	8.0	8.1	7.9	7.6
<b>SOUTH</b>													
Civilian noninstitutional population <sup>2</sup> .....	65,524	65,580	65,641	65,701	65,762	65,831	65,898	65,962	66,036	66,108	66,186	66,241	66,302
Civilian labor force .....	42,904	42,965	43,040	43,068	43,328	43,233	43,178	43,135	43,109	43,161	43,249	43,099	43,460
Employed .....	39,732	39,772	39,980	40,008	40,136	40,092	40,058	40,053	40,092	40,184	40,313	40,176	40,667
Unemployed .....	3,172	3,193	3,060	3,060	3,192	3,141	3,120	3,083	3,017	2,977	2,936	2,923	2,792
Unemployment rate .....	7.4	7.4	7.1	7.1	7.4	7.3	7.2	7.1	7.0	6.9	6.8	6.8	6.4
<b>South Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	33,872	33,913	33,954	33,994	34,038	34,083	34,126	34,170	34,220	34,265	34,317	34,355	34,396
Civilian labor force .....	22,351	22,340	22,419	22,412	22,515	22,532	22,469	22,460	22,448	22,480	22,577	22,588	22,815
Employed .....	20,652	20,634	20,830	20,843	20,930	20,907	20,826	20,868	20,906	20,949	21,140	21,100	21,360
Unemployed .....	1,699	1,706	1,589	1,569	1,585	1,625	1,644	1,592	1,542	1,531	1,437	1,488	1,456
Unemployment rate .....	7.6	7.6	7.1	7.0	7.0	7.2	7.3	7.1	6.9	6.8	6.4	6.6	6.4
<b>East South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	11,684	11,687	11,693	11,699	11,703	11,711	11,718	11,724	11,731	11,740	11,748	11,753	11,759
Civilian labor force .....	7,190	7,213	7,210	7,256	7,360	7,362	7,370	7,359	7,345	7,383	7,390	7,298	7,404
Employed .....	6,682	6,704	6,716	6,730	6,819	6,837	6,854	6,868	6,843	6,883	6,872	6,819	6,981
Unemployed .....	508	509	494	526	541	525	516	491	502	500	518	479	423
Unemployment rate .....	7.1	7.1	6.9	7.2	7.3	7.1	7.0	6.7	6.8	6.8	7.0	6.6	5.7
<b>West South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	19,968	19,980	19,994	20,008	20,021	20,038	20,053	20,068	20,085	20,103	20,122	20,133	20,147
Civilian labor force .....	13,363	13,413	13,411	13,401	13,453	13,339	13,338	13,317	13,316	13,298	13,283	13,212	13,240
Employed .....	12,398	12,435	12,434	12,435	12,387	12,348	12,378	12,317	12,343	12,352	12,301	12,257	12,327
Unemployed .....	965	978	977	966	1,066	991	960	1,000	973	946	982	955	913
Unemployment rate .....	7.2	7.3	7.3	7.2	7.9	7.4	7.2	7.5	7.3	7.1	7.4	7.2	6.9

See footnotes at end of table.

**HOUSEHOLD DATA  
REGIONS AND DIVISIONS  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Census region and division	1992											1993	
	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
<b>MIDWEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	45,813	45,829	45,846	45,858	45,877	45,895	45,917	45,936	45,962	45,987	46,014	46,028	46,042
Civilian labor force .....	31,171	31,201	31,086	31,274	31,260	31,422	31,439	31,389	31,221	31,243	31,373	31,316	31,208
Employed .....	29,122	29,145	29,009	29,138	29,093	29,278	29,410	29,352	29,307	29,343	29,430	29,374	29,224
Unemployed .....	2,048	2,057	2,077	2,136	2,167	2,145	2,029	2,037	1,914	1,900	1,944	1,942	1,985
Unemployment rate .....	6.6	6.6	6.7	6.8	6.9	6.8	6.5	6.5	6.1	6.1	6.2	6.2	6.4
<b>East North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	32,307	32,319	32,331	32,340	32,353	32,367	32,383	32,397	32,415	32,433	32,453	32,461	32,473
Civilian labor force .....	21,601	21,682	21,550	21,781	21,820	21,861	21,884	21,839	21,675	21,678	21,792	21,722	21,640
Employed .....	19,974	20,090	19,952	20,136	20,137	20,168	20,307	20,250	20,202	20,213	20,303	20,279	20,176
Unemployed .....	1,627	1,592	1,597	1,645	1,683	1,693	1,577	1,588	1,473	1,465	1,489	1,443	1,464
Unemployment rate .....	7.5	7.3	7.4	7.6	7.7	7.7	7.2	7.3	6.8	6.8	6.8	6.6	6.8
<b>West North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	13,506	13,510	13,515	13,518	13,523	13,529	13,533	13,539	13,547	13,554	13,562	13,567	13,569
Civilian labor force .....	9,570	9,520	9,536	9,493	9,440	9,561	9,555	9,550	9,546	9,565	9,581	9,594	9,568
Employed .....	9,149	9,055	9,056	9,003	8,956	9,110	9,104	9,101	9,105	9,130	9,127	9,095	9,048
Unemployed .....	421	464	480	491	484	452	452	449	441	435	454	499	521
Unemployment rate .....	4.4	4.9	5.0	5.2	5.1	4.7	4.7	4.7	4.6	4.5	4.7	5.2	5.4
<b>WEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	40,089	40,153	40,214	40,277	40,340	40,409	40,478	40,544	40,616	40,687	40,761	40,824	40,886
Civilian labor force .....	26,845	26,903	26,845	26,972	27,022	27,169	27,108	27,159	27,066	27,210	27,212	27,218	27,306
Employed .....	24,694	24,771	24,851	24,885	24,842	24,993	24,829	24,925	24,760	24,879	24,911	24,965	25,026
Unemployed .....	2,151	2,132	1,994	2,087	2,180	2,176	2,279	2,234	2,306	2,331	2,301	2,252	2,280
Unemployment rate .....	8.0	7.9	7.4	7.7	8.1	8.0	8.4	8.2	8.5	8.6	8.5	8.3	8.3
<b>Mountain</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,151	10,162	10,172	10,183	10,194	10,208	10,221	10,232	10,247	10,259	10,274	10,286	10,296
Civilian labor force .....	6,832	6,921	6,909	6,880	6,843	6,856	6,789	6,877	6,864	6,894	6,911	6,945	6,848
Employed .....	6,390	6,458	6,465	6,433	6,398	6,419	6,353	6,437	6,436	6,467	6,470	6,488	6,452
Unemployed .....	443	463	444	447	445	436	436	440	428	427	441	457	396
Unemployment rate .....	6.5	6.7	6.4	6.5	6.5	6.4	6.4	6.4	6.2	6.2	6.4	6.6	5.8
<b>Pacific</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,938	29,991	30,042	30,094	30,145	30,202	30,256	30,312	30,369	30,428	30,488	30,538	30,590
Civilian labor force .....	20,013	19,981	19,936	20,092	20,179	20,314	20,319	20,282	20,202	20,316	20,301	20,273	20,458
Employed .....	18,304	18,313	18,387	18,452	18,445	18,574	18,476	18,489	18,325	18,412	18,441	18,477	18,575
Unemployed .....	1,709	1,669	1,549	1,640	1,734	1,740	1,843	1,794	1,878	1,904	1,860	1,796	1,884
Unemployment rate .....	8.5	8.4	7.8	8.2	8.6	8.6	9.1	8.8	9.3	9.4	9.2	8.9	9.2

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

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

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

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

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1992												1993
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>
<b>Alabama</b>													
Civilian labor force .....	1,916.7	1,924.2	1,895.5	1,901.7	1,918.0	1,941.0	1,955.1	1,972.4	1,943.3	1,930.7	1,939.4	1,919.8	1,970.5
Employed .....	1,785.4	1,781.5	1,757.2	1,758.6	1,762.7	1,784.1	1,799.7	1,832.5	1,816.5	1,812.9	1,812.2	1,788.5	1,811.1
Unemployed .....	131.3	142.7	138.2	143.0	155.3	156.8	155.4	139.9	126.8	117.8	127.1	131.3	159.4
Unemployment rate .....	6.8	7.4	7.3	7.5	8.1	8.1	7.9	7.1	6.5	6.1	6.6	6.8	8.1
<b>Alaska</b>													
Civilian labor force .....	257.5	256.5	258.7	258.5	260.2	263.4	265.7	264.1	265.6	262.3	264.9	262.8	263.5
Employed .....	232.9	233.1	236.0	236.5	236.3	238.2	239.3	237.8	243.3	237.2	241.0	241.2	241.3
Unemployed .....	24.6	23.4	22.7	22.0	23.9	25.2	26.4	26.2	22.4	25.1	23.9	21.6	22.2
Unemployment rate .....	9.5	9.1	8.8	8.5	9.2	9.6	9.9	9.9	8.4	9.6	9.0	8.2	8.4
<b>Arizona</b>													
Civilian labor force .....	1,753.4	1,739.1	1,730.7	1,731.1	1,698.3	1,725.0	1,733.7	1,696.5	1,740.4	1,736.8	1,726.0	1,743.5	1,774.3
Employed .....	1,598.3	1,594.2	1,586.4	1,600.3	1,576.9	1,601.3	1,614.9	1,584.8	1,627.3	1,613.6	1,603.1	1,616.4	1,638.1
Unemployed .....	155.2	144.9	144.4	130.8	121.4	123.8	118.8	111.7	113.1	123.3	122.8	127.2	138.2
Unemployment rate .....	8.8	8.3	8.3	7.6	7.2	7.2	6.9	6.6	6.5	7.1	7.1	7.3	7.7
<b>Arkansas</b>													
Civilian labor force .....	1,141.6	1,143.7	1,185.4	1,178.3	1,167.2	1,154.6	1,169.2	1,159.0	1,152.2	1,152.1	1,118.6	1,118.4	1,105.8
Employed .....	1,053.2	1,082.6	1,089.4	1,088.6	1,086.0	1,066.4	1,085.6	1,077.7	1,067.7	1,069.2	1,035.3	1,034.9	1,024.6
Unemployed .....	88.4	81.1	76.0	89.7	81.2	88.2	83.6	81.3	84.5	82.9	83.4	83.5	81.0
Unemployment rate .....	7.7	7.1	6.5	7.6	7.0	7.8	7.2	7.0	7.3	7.2	7.5	7.5	7.3
<b>California<sup>1</sup></b>													
Civilian labor force .....	15,004.4	15,109.6	15,086.4	14,986.5	15,120.3	15,227.3	15,247.0	15,313.1	15,283.8	15,211.4	15,282.9	15,365.5	15,242.3
Employed .....	13,780.9	13,795.6	13,807.6	13,764.3	13,797.0	13,830.1	13,861.2	13,830.7	13,837.2	13,721.7	13,757.4	13,862.5	13,801.4
Unemployed .....	1,223.5	1,314.0	1,278.8	1,222.2	1,323.3	1,397.2	1,385.8	1,482.4	1,446.6	1,489.7	1,525.5	1,503.0	1,440.9
Unemployment rate .....	8.2	8.7	8.5	8.2	8.8	9.2	9.1	9.7	9.5	9.8	10.0	9.8	9.5
<b>Colorado</b>													
Civilian labor force .....	1,795.5	1,759.6	1,762.0	1,769.2	1,761.6	1,774.1	1,764.1	1,766.0	1,762.3	1,777.2	1,769.2	1,769.5	1,800.6
Employed .....	1,700.3	1,659.6	1,665.4	1,670.6	1,643.6	1,653.2	1,653.8	1,658.6	1,664.4	1,681.9	1,674.8	1,672.7	1,698.2
Unemployed .....	95.2	100.0	96.6	98.7	118.1	120.9	110.3	107.4	97.9	95.3	94.4	96.8	102.4
Unemployment rate .....	5.3	5.7	5.5	5.6	6.7	6.8	6.3	6.1	5.6	5.4	5.3	5.5	5.7
<b>Connecticut</b>													
Civilian labor force .....	1,818.6	1,812.6	1,783.9	1,764.2	1,770.6	1,742.0	1,779.3	1,799.1	1,778.7	1,806.3	1,802.5	1,782.7	1,756.4
Employed .....	1,682.4	1,677.9	1,656.0	1,638.0	1,649.4	1,617.3	1,656.7	1,675.8	1,650.9	1,680.8	1,670.1	1,650.7	1,633.7
Unemployed .....	136.1	134.7	127.9	126.2	121.1	124.7	122.7	123.2	127.8	125.5	132.4	132.0	122.7
Unemployment rate .....	7.5	7.4	7.2	7.2	6.8	7.2	6.9	6.9	7.2	6.9	7.3	7.4	7.0
<b>Delaware</b>													
Civilian labor force .....	368.8	367.9	365.4	369.3	366.3	367.6	366.9	369.1	371.1	371.8	375.5	375.8	378.5
Employed .....	348.0	351.5	342.9	348.3	345.7	342.2	345.2	348.7	352.5	350.5	359.0	358.7	382.1
Unemployed .....	20.8	16.5	22.5	21.0	20.7	25.3	21.8	20.4	18.7	21.3	16.5	17.1	16.4
Unemployment rate .....	5.6	4.5	6.1	5.7	5.6	6.9	5.9	5.5	5.0	5.7	4.4	4.5	4.3
<b>District of Columbia</b>													
Civilian labor force .....	284.6	284.8	285.9	288.1	281.6	281.7	276.2	273.5	273.1	271.7	268.6	267.0	264.9
Employed .....	261.7	262.4	262.4	266.5	257.5	258.2	251.4	249.3	250.3	249.5	243.9	243.2	239.8
Unemployed .....	22.9	22.4	23.5	21.6	24.1	23.5	24.8	24.2	22.8	22.3	24.7	23.8	25.1
Unemployment rate .....	8.0	7.9	8.2	7.5	8.5	8.3	9.0	8.9	8.3	8.2	9.2	8.9	9.5
<b>Florida<sup>1</sup></b>													
Civilian labor force .....	6,449.5	6,484.8	6,479.3	6,510.4	6,539.8	6,581.0	6,619.9	6,590.1	6,628.2	6,592.4	6,572.6	6,586.1	6,643.8
Employed .....	5,902.7	5,937.8	5,935.6	5,967.8	6,013.7	6,028.8	6,061.6	6,029.6	6,051.6	6,090.6	6,068.1	6,109.2	6,124.8
Unemployed .....	546.8	547.0	543.7	542.6	526.1	552.2	558.3	560.5	576.6	501.8	504.5	476.9	519.0
Unemployment rate .....	8.5	8.4	8.4	8.3	8.0	8.4	8.4	8.5	8.7	7.6	7.7	7.2	7.8

See footnotes at end of table.



STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED

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

(Numbers in thousands)

State	1992												1993
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>
<b>Georgia</b>													
Civilian labor force .....	3,205.0	3,216.6	3,228.3	3,219.1	3,234.6	3,220.8	3,234.9	3,226.2	3,206.3	3,232.7	3,239.5	3,239.4	3,275.9
Employed .....	3,034.5	3,005.8	3,014.0	3,025.9	3,033.1	3,018.1	3,005.5	2,993.2	3,002.7	3,002.3	3,020.8	3,033.3	3,060.2
Unemployed .....	170.5	210.8	214.3	193.2	201.4	202.7	229.4	232.9	203.6	230.5	218.6	206.1	215.7
Unemployment rate .....	5.3	6.6	6.6	6.0	6.2	6.3	7.1	7.2	6.3	7.1	6.7	6.4	6.6
<b>Hawaii</b>													
Civilian labor force .....	567.6	562.4	561.7	561.4	559.5	566.1	571.8	570.8	570.3	569.7	574.6	577.6	577.3
Employed .....	548.2	542.2	542.2	540.3	536.5	540.2	545.2	546.2	544.5	542.0	546.2	550.9	550.8
Unemployed .....	19.4	20.3	19.4	21.2	23.0	25.9	26.6	24.6	25.8	27.7	28.4	26.7	26.5
Unemployment rate .....	3.4	3.6	3.5	3.8	4.1	4.6	4.7	4.3	4.5	4.9	4.9	4.6	4.6
<b>Idaho</b>													
Civilian labor force .....	505.6	506.9	509.1	513.0	513.3	512.7	518.2	523.8	525.1	522.3	524.2	521.9	519.3
Employed .....	473.3	474.1	476.8	480.1	483.3	481.2	487.0	490.5	489.9	489.2	491.2	486.7	485.2
Unemployed .....	32.4	32.8	32.3	32.9	30.0	31.5	31.2	33.3	35.2	33.1	32.9	35.2	34.0
Unemployment rate .....	6.4	6.5	6.3	6.4	5.8	6.1	6.0	6.4	6.7	6.3	6.3	6.7	6.6
<b>Illinois<sup>1</sup></b>													
Civilian labor force .....	6,117.5	6,083.5	6,088.5	6,056.8	6,164.7	6,186.5	6,099.4	6,071.8	6,126.1	6,109.5	6,137.7	6,205.2	6,060.9
Employed .....	5,615.1	5,569.4	5,603.3	5,578.4	5,660.2	5,667.4	5,598.4	5,665.5	5,698.0	5,749.2	5,739.2	5,773.4	5,668.2
Unemployed .....	502.4	514.1	485.2	478.4	504.5	519.1	501.0	406.3	428.1	360.3	398.5	431.8	392.8
Unemployment rate .....	8.2	8.5	8.0	7.9	8.2	8.4	8.2	6.7	7.0	5.9	6.5	7.0	6.5
<b>Indiana</b>													
Civilian labor force .....	2,795.0	2,821.7	2,803.4	2,799.1	2,804.5	2,855.4	2,915.3	2,894.3	2,885.4	2,845.6	2,820.9	2,817.3	2,802.1
Employed .....	2,636.2	2,672.5	2,653.2	2,637.9	2,620.2	2,663.0	2,722.8	2,710.2	2,696.0	2,678.4	2,637.3	2,638.8	2,625.0
Unemployed .....	158.8	149.2	150.1	161.1	184.3	192.4	192.5	184.1	189.3	167.3	183.6	178.5	177.2
Unemployment rate .....	5.7	5.3	5.4	5.8	6.6	6.7	6.6	6.4	6.6	5.9	6.5	6.3	6.3
<b>Iowa</b>													
Civilian labor force .....	1,549.3	1,542.4	1,551.5	1,524.7	1,532.9	1,531.7	1,534.9	1,550.4	1,544.0	1,532.7	1,545.0	1,557.9	1,565.0
Employed .....	1,480.9	1,480.0	1,479.4	1,449.6	1,447.0	1,453.7	1,465.4	1,492.6	1,480.5	1,469.1	1,484.5	1,491.1	1,496.1
Unemployed .....	68.4	62.4	72.2	75.1	85.9	78.0	69.4	57.8	63.5	63.6	60.5	66.7	68.9
Unemployment rate .....	4.4	4.0	4.7	4.9	5.6	5.1	4.5	3.7	4.1	4.1	3.9	4.3	4.4
<b>Kansas</b>													
Civilian labor force .....	1,323.7	1,318.5	1,321.5	1,323.4	1,324.5	1,310.8	1,317.1	1,328.0	1,329.0	1,327.6	1,324.1	1,329.7	1,336.8
Employed .....	1,271.7	1,271.3	1,274.3	1,273.7	1,270.7	1,253.9	1,266.7	1,274.3	1,272.7	1,273.5	1,267.8	1,274.4	1,279.8
Unemployed .....	52.0	47.2	47.1	49.7	53.7	56.9	50.4	53.6	56.3	54.1	56.3	55.2	57.0
Unemployment rate .....	3.9	3.6	3.6	3.8	4.1	4.3	3.8	4.0	4.2	4.1	4.3	4.2	4.3
<b>Kentucky</b>													
Civilian labor force .....	1,763.6	1,755.0	1,743.6	1,742.0	1,736.2	1,744.8	1,749.0	1,755.4	1,747.7	1,746.6	1,743.9	1,757.2	1,766.3
Employed .....	1,629.3	1,629.2	1,635.8	1,645.4	1,639.2	1,636.0	1,626.8	1,626.4	1,627.1	1,622.2	1,635.0	1,642.7	1,657.7
Unemployed .....	134.3	125.8	107.7	96.6	97.0	108.7	122.2	129.0	120.6	124.3	108.9	114.4	108.6
Unemployment rate .....	7.6	7.2	6.2	5.5	5.6	6.2	7.0	7.3	6.9	7.1	6.2	6.5	6.2
<b>Louisiana</b>													
Civilian labor force .....	1,940.8	1,951.3	1,954.0	1,966.7	1,948.7	1,968.4	1,931.1	1,928.9	1,911.0	1,916.9	1,915.3	1,878.1	1,892.3
Employed .....	1,795.5	1,818.5	1,819.3	1,809.8	1,809.8	1,816.7	1,767.5	1,776.9	1,746.6	1,764.7	1,769.0	1,726.0	1,740.9
Unemployed .....	145.3	132.8	134.7	156.9	138.9	151.7	163.6	152.0	164.3	152.3	146.4	152.1	151.5
Unemployment rate .....	7.5	6.8	6.9	8.0	7.1	7.7	8.5	7.9	8.6	7.9	7.6	8.1	8.0
<b>Maine</b>													
Civilian labor force .....	649.1	647.8	649.6	650.3	659.1	655.1	655.5	658.1	658.3	657.0	665.4	659.3	659.4
Employed .....	599.3	596.2	602.5	601.3	620.7	608.6	613.6	612.4	613.4	614.6	616.7	611.1	608.3
Unemployed .....	49.8	51.6	47.2	49.0	38.3	46.6	41.9	45.7	44.9	42.4	48.6	48.2	51.1
Unemployment rate .....	7.7	8.0	7.3	7.5	5.8	7.1	6.4	6.9	6.8	6.5	7.3	7.3	7.8

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1992												1993
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>
<b>Maryland</b>													
Civilian labor force .....	2,571.8	2,561.5	2,555.9	2,606.9	2,605.6	2,629.8	2,640.0	2,638.1	2,628.4	2,611.0	2,606.3	2,628.9	2,610.3
Employed .....	2,397.3	2,382.6	2,367.5	2,429.0	2,423.1	2,448.9	2,463.7	2,461.3	2,448.1	2,436.1	2,436.7	2,467.8	2,457.9
Unemployed .....	174.5	178.9	188.4	177.8	182.5	180.9	176.3	176.8	180.3	174.9	169.6	161.1	152.4
Unemployment rate .....	6.8	7.0	7.4	6.8	7.0	6.9	6.7	6.7	6.9	6.7	6.5	6.1	5.8
<b>Massachusetts<sup>1</sup></b>													
Civilian labor force .....	3,134.9	3,125.9	3,137.8	3,106.2	3,123.6	3,141.5	3,144.0	3,117.6	3,107.1	3,105.8	3,129.4	3,139.3	3,200.2
Employed .....	2,877.6	2,881.7	2,858.5	2,842.9	2,862.9	2,868.7	2,880.7	2,855.3	2,841.2	2,843.4	2,852.4	2,868.1	2,936.6
Unemployed .....	257.3	244.2	279.3	263.3	260.7	272.8	263.3	262.3	265.9	262.4	277.0	271.2	263.6
Unemployment rate .....	8.2	7.8	8.9	8.5	8.3	8.7	8.4	8.4	8.6	8.4	8.9	8.6	8.2
<b>Michigan<sup>1</sup></b>													
Civilian labor force .....	4,595.6	4,594.4	4,616.2	4,580.3	4,616.2	4,593.4	4,628.8	4,626.7	4,628.7	4,615.5	4,625.8	4,608.5	4,589.7
Employed .....	4,180.0	4,175.9	4,189.9	4,156.6	4,212.9	4,186.4	4,205.5	4,217.2	4,226.3	4,219.3	4,255.9	4,239.1	4,264.1
Unemployed .....	415.6	418.5	426.3	423.7	403.3	407.0	423.3	409.5	402.4	396.2	369.9	369.4	325.6
Unemployment rate .....	9.0	9.1	9.2	9.3	8.7	8.9	9.1	8.9	8.7	8.6	8.0	8.0	7.1
<b>Minnesota</b>													
Civilian labor force .....	2,402.4	2,404.9	2,401.2	2,428.3	2,443.1	2,409.0	2,447.6	2,420.0	2,434.0	2,424.3	2,434.3	2,473.6	2,510.1
Employed .....	2,272.4	2,295.5	2,266.9	2,314.3	2,305.9	2,273.6	2,341.2	2,303.6	2,321.8	2,313.2	2,306.5	2,351.7	2,377.4
Unemployed .....	130.0	109.4	134.3	114.0	137.2	135.3	106.4	116.4	112.2	111.0	127.8	121.9	132.6
Unemployment rate .....	5.4	4.5	5.6	4.7	5.6	5.6	4.3	4.8	4.6	4.6	5.3	4.9	5.3
<b>Mississippi</b>													
Civilian labor force .....	1,162.6	1,167.1	1,167.3	1,157.7	1,158.9	1,186.2	1,189.9	1,198.4	1,203.0	1,189.9	1,190.5	1,174.5	1,168.1
Employed .....	1,068.6	1,071.2	1,074.2	1,065.2	1,057.5	1,074.8	1,085.2	1,091.4	1,103.7	1,094.7	1,109.3	1,097.1	1,098.2
Unemployed .....	93.9	95.9	93.1	92.5	101.3	111.5	104.7	107.0	99.3	95.2	81.2	77.4	69.9
Unemployment rate .....	8.1	8.2	8.0	8.0	8.7	9.4	8.8	8.9	8.3	8.0	6.8	6.6	6.0
<b>Missouri</b>													
Civilian labor force .....	2,729.5	2,735.0	2,727.4	2,739.7	2,696.6	2,697.3	2,716.3	2,690.3	2,676.5	2,681.4	2,689.8	2,657.3	2,655.2
Employed .....	2,560.4	2,589.5	2,579.3	2,580.6	2,515.2	2,511.0	2,539.4	2,522.8	2,510.0	2,530.6	2,557.4	2,512.7	2,502.3
Unemployed .....	169.1	145.5	148.1	159.1	181.4	186.3	177.0	167.6	166.5	150.8	132.3	144.6	152.9
Unemployment rate .....	6.2	5.3	5.4	5.8	6.7	6.9	6.5	6.2	6.2	5.6	4.9	5.4	5.8
<b>Montana</b>													
Civilian labor force .....	411.4	412.3	415.4	414.9	412.7	411.7	410.8	406.6	408.3	411.5	414.4	409.8	406.8
Employed .....	377.4	382.1	389.3	388.5	384.4	381.4	386.0	377.7	380.4	387.3	391.5	383.2	377.9
Unemployed .....	34.1	30.2	26.1	26.4	28.3	30.3	24.8	28.9	27.9	24.1	22.9	26.6	28.9
Unemployment rate .....	8.3	7.3	6.3	6.4	6.9	7.4	6.0	7.1	6.8	5.9	5.5	6.5	7.1
<b>Nebraska</b>													
Civilian labor force .....	848.1	856.3	848.8	848.5	861.3	867.1	873.8	867.3	856.6	853.1	843.8	847.7	849.0
Employed .....	822.6	835.1	827.1	824.9	832.3	837.1	847.5	839.2	830.7	827.0	821.9	824.0	825.3
Unemployed .....	25.6	21.2	21.8	23.6	29.0	29.9	26.4	28.1	25.8	26.1	21.9	23.6	23.7
Unemployment rate .....	3.0	2.5	2.6	2.8	3.4	3.5	3.0	3.2	3.0	3.1	2.6	2.8	2.8
<b>Nevada</b>													
Civilian labor force .....	662.8	668.0	670.2	666.3	666.1	666.1	675.2	676.5	675.5	680.0	684.5	679.2	682.4
Employed .....	618.6	622.1	626.5	626.3	627.7	622.1	627.6	627.8	628.2	635.1	641.1	637.5	634.9
Unemployed .....	44.2	45.9	43.6	40.0	38.3	44.0	47.6	48.7	47.3	44.9	43.4	41.7	47.4
Unemployment rate .....	6.7	6.9	6.5	6.0	5.8	6.6	7.0	7.2	7.0	6.6	6.3	6.1	7.0
<b>New Hampshire</b>													
Civilian labor force .....	628.4	639.7	638.3	638.4	628.5	617.8	619.0	629.9	627.3	632.7	643.9	641.5	645.7
Employed .....	580.6	594.3	593.1	589.4	581.1	570.7	574.4	584.5	579.9	585.8	596.8	595.2	594.0
Unemployed .....	47.8	45.4	45.1	49.0	47.4	47.1	44.6	45.4	47.4	46.9	47.1	46.3	51.8
Unemployment rate .....	7.6	7.1	7.1	7.7	7.5	7.6	7.2	7.2	7.6	7.4	7.3	7.2	8.0

See footnotes at end of table.

STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED

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

(Numbers in thousands)

State	1992												1993
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>
<b>New Jersey<sup>1</sup></b>													
Civilian labor force .....	4,015.4	4,025.9	4,024.8	4,028.0	4,018.9	3,996.9	3,989.7	3,947.2	3,981.6	3,974.0	3,998.4	4,008.2	3,929.8
Employed .....	3,732.7	3,717.0	3,733.0	3,709.8	3,669.0	3,639.7	3,607.1	3,583.8	3,624.5	3,649.0	3,650.6	3,676.3	3,640.2
Unemployed .....	282.7	308.9	291.8	318.2	349.9	357.2	382.6	363.4	357.1	325.0	347.8	331.9	289.7
Unemployment rate .....	7.0	7.7	7.3	7.9	8.7	8.9	9.6	9.2	9.0	8.2	8.7	8.3	7.4
<b>New Mexico</b>													
Civilian labor force .....	728.1	729.7	727.6	720.9	719.6	720.6	719.8	718.9	722.0	725.7	726.0	723.2	727.8
Employed .....	672.6	675.3	675.8	671.2	670.3	667.9	669.2	669.0	669.9	674.9	679.1	679.6	680.1
Unemployed .....	55.5	54.4	51.8	49.7	49.3	52.7	50.6	49.9	52.2	50.8	46.9	43.6	47.7
Unemployment rate .....	7.6	7.5	7.1	6.9	6.9	7.3	7.0	6.9	7.2	7.0	6.5	6.0	6.6
<b>New York<sup>1</sup></b>													
Civilian labor force .....	8,472.2	8,464.9	8,526.3	8,522.7	8,526.5	8,577.4	8,546.5	8,539.1	8,510.4	8,470.1	8,531.0	8,583.9	8,607.4
Employed .....	7,767.3	7,728.2	7,834.5	7,868.2	7,835.9	7,802.6	7,748.7	7,811.2	7,761.4	7,733.3	7,830.8	7,858.2	7,876.6
Unemployed .....	704.9	736.7	691.8	654.5	690.6	774.8	797.8	727.9	749.0	736.8	700.2	725.7	730.8
Unemployment rate .....	8.3	8.7	8.1	7.7	8.1	9.0	9.3	8.5	8.8	8.7	8.2	8.5	8.5
<b>North Carolina<sup>1</sup></b>													
Civilian labor force .....	3,448.1	3,450.9	3,464.7	3,452.1	3,463.1	3,495.4	3,506.3	3,503.2	3,500.1	3,510.2	3,529.9	3,521.4	3,524.0
Employed .....	3,245.7	3,238.9	3,249.5	3,261.1	3,261.3	3,275.8	3,290.9	3,288.5	3,293.4	3,313.0	3,322.8	3,324.5	3,332.1
Unemployed .....	202.4	212.0	215.2	191.0	201.8	219.6	215.4	214.7	206.7	197.2	207.1	196.9	191.9
Unemployment rate .....	5.9	6.1	6.2	5.5	5.8	6.3	6.1	6.1	5.9	5.6	5.9	5.6	5.4
<b>North Dakota</b>													
Civilian labor force .....	316.9	316.0	319.8	320.6	320.2	318.1	310.7	307.4	314.3	312.8	315.1	313.8	313.9
Employed .....	302.3	302.7	305.0	306.9	303.3	301.3	294.8	291.9	298.8	298.0	300.4	299.4	300.2
Unemployed .....	14.6	13.2	14.8	13.7	16.8	16.8	16.0	15.5	15.5	14.8	14.7	14.4	13.7
Unemployment rate .....	4.6	4.2	4.6	4.3	5.3	5.3	5.1	5.1	4.9	4.7	4.7	4.6	4.4
<b>Ohio<sup>1</sup></b>													
Civilian labor force .....	5,492.4	5,472.6	5,515.4	5,471.2	5,517.5	5,466.7	5,550.6	5,548.9	5,522.7	5,457.3	5,420.2	5,438.6	5,507.6
Employed .....	5,120.4	5,087.4	5,124.4	5,086.5	5,118.3	5,058.0	5,142.0	5,133.7	5,126.6	5,057.3	5,014.8	5,043.4	5,121.8
Unemployed .....	372.0	385.2	391.0	384.7	399.2	408.7	408.6	415.2	396.1	400.0	405.4	395.2	385.9
Unemployment rate .....	6.8	7.0	7.1	7.0	7.2	7.5	7.4	7.5	7.2	7.3	7.5	7.3	7.0
<b>Oklahoma</b>													
Civilian labor force .....	1,519.4	1,512.7	1,518.4	1,531.1	1,528.2	1,524.3	1,530.2	1,518.4	1,522.6	1,525.5	1,534.0	1,543.2	1,531.7
Employed .....	1,425.8	1,417.6	1,417.1	1,440.1	1,443.7	1,416.7	1,436.1	1,417.9	1,429.7	1,447.1	1,462.2	1,460.5	1,451.1
Unemployed .....	93.5	95.1	101.3	91.0	84.5	107.6	94.1	100.5	92.9	78.4	71.9	82.7	80.6
Unemployment rate .....	6.2	6.3	6.7	5.9	5.5	7.1	6.1	6.6	6.1	5.1	4.7	5.4	5.3
<b>Oregon</b>													
Civilian labor force .....	1,510.5	1,509.0	1,523.0	1,526.1	1,545.2	1,540.3	1,534.4	1,545.3	1,553.2	1,544.9	1,546.6	1,531.7	1,546.3
Employed .....	1,400.9	1,394.5	1,400.8	1,411.1	1,436.4	1,430.5	1,419.0	1,434.2	1,443.6	1,431.1	1,435.4	1,421.8	1,433.5
Unemployed .....	109.6	114.5	122.2	115.0	108.8	109.7	115.4	111.2	109.7	113.8	111.2	109.8	112.7
Unemployment rate .....	7.3	7.6	8.0	7.5	7.0	7.1	7.5	7.2	7.1	7.4	7.2	7.2	7.3
<b>Pennsylvania<sup>1</sup></b>													
Civilian labor force .....	5,974.9	5,993.1	5,975.9	5,959.4	5,982.3	5,980.7	5,976.8	6,039.7	6,029.3	6,048.2	6,057.4	6,030.6	6,023.6
Employed .....	5,546.4	5,543.1	5,536.4	5,502.4	5,523.3	5,526.9	5,522.7	5,562.4	5,573.9	5,595.9	5,616.2	5,588.4	5,570.3
Unemployed .....	428.5	450.0	439.5	457.0	459.0	453.8	454.1	477.3	455.4	452.3	441.2	442.2	453.3
Unemployment rate .....	7.2	7.5	7.4	7.7	7.7	7.6	7.6	7.9	7.6	7.5	7.3	7.3	7.5
<b>Rhode Island</b>													
Civilian labor force .....	517.4	519.9	517.3	518.6	518.5	520.2	523.3	523.8	511.8	511.5	521.0	517.8	531.8
Employed .....	475.9	479.9	475.2	470.2	470.4	469.5	474.8	474.4	468.0	469.2	477.1	477.1	489.8
Unemployed .....	41.4	40.0	42.2	48.3	48.1	50.7	48.5	49.3	43.8	42.3	43.9	40.6	42.0
Unemployment rate .....	8.0	7.7	8.1	9.3	9.3	9.8	9.3	9.4	8.6	8.3	8.4	7.8	7.9

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1992												1993
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. <sup>P</sup>
<b>South Carolina</b>													
Civilian labor force .....	1,763.9	1,773.7	1,746.4	1,761.1	1,760.4	1,759.1	1,802.5	1,796.5	1,768.6	1,772.6	1,767.7	1,795.6	1,785.5
Employed .....	1,634.2	1,652.6	1,624.4	1,649.3	1,643.4	1,647.5	1,681.6	1,682.3	1,657.2	1,661.9	1,661.4	1,694.5	1,673.7
Unemployed .....	129.7	121.1	122.0	111.8	117.0	111.7	120.9	114.1	111.5	110.7	106.3	101.1	111.8
Unemployment rate .....	7.4	6.8	7.0	6.3	6.6	6.3	6.7	6.4	6.3	6.2	6.0	5.6	6.3
<b>South Dakota</b>													
Civilian labor force .....	368.1	361.3	360.8	358.7	359.6	357.8	358.4	360.6	360.6	360.9	366.8	365.6	366.4
Employed .....	356.5	350.2	348.0	347.1	346.0	345.1	347.6	350.1	349.6	350.3	356.4	354.2	352.5
Unemployed .....	11.6	11.0	12.8	11.6	13.5	12.7	10.9	10.6	11.0	10.7	10.4	11.4	14.0
Unemployment rate .....	3.1	3.1	3.5	3.2	3.8	3.5	3.0	2.9	3.0	3.0	2.8	3.1	3.8
<b>Tennessee</b>													
Civilian labor force .....	2,427.4	2,408.7	2,430.8	2,396.0	2,403.3	2,435.3	2,438.0	2,432.4	2,437.0	2,461.6	2,469.3	2,476.3	2,455.1
Employed .....	2,248.3	2,235.5	2,265.9	2,240.7	2,245.7	2,275.0	2,280.5	2,273.9	2,284.6	2,328.9	2,327.5	2,326.2	2,292.3
Unemployed .....	179.2	173.2	165.0	155.3	157.6	160.4	157.6	158.5	152.5	132.7	141.7	150.0	162.9
Unemployment rate .....	7.4	7.2	6.8	6.5	6.6	6.6	6.5	6.5	6.3	5.4	5.7	6.1	6.6
<b>Texas<sup>1</sup></b>													
Civilian labor force .....	8,731.5	8,707.0	8,742.1	8,727.0	8,737.9	8,787.2	8,732.4	8,736.1	8,753.4	8,756.2	8,747.0	8,798.4	8,762.5
Employed .....	8,054.4	8,072.6	8,087.8	8,087.8	8,082.0	8,092.5	8,095.6	8,108.3	8,082.6	8,099.0	8,081.5	8,124.3	8,080.5
Unemployed .....	677.1	634.4	654.3	639.2	655.9	694.7	636.8	627.8	670.8	657.2	665.5	674.1	682.0
Unemployment rate .....	7.8	7.3	7.5	7.3	7.5	7.9	7.3	7.2	7.7	7.5	7.6	7.7	7.8
<b>Utah</b>													
Civilian labor force .....	812.9	817.2	818.0	819.0	816.9	818.2	817.2	809.6	807.8	807.3	811.5	815.0	821.8
Employed .....	775.9	780.3	781.5	780.1	778.6	778.6	778.7	766.8	765.8	765.8	768.3	770.7	781.4
Unemployed .....	37.0	37.0	36.5	38.9	38.3	39.6	38.5	42.8	42.0	41.5	43.2	44.4	40.4
Unemployment rate .....	4.6	4.5	4.5	4.7	4.7	4.8	4.7	5.3	5.2	5.1	5.3	5.4	4.9
<b>Vermont</b>													
Civilian labor force .....	309.8	308.0	305.5	309.5	312.1	312.4	313.6	320.2	318.6	316.6	327.3	324.7	321.7
Employed .....	290.4	289.0	286.8	288.5	289.9	290.5	292.2	299.2	298.0	298.2	307.0	305.4	301.9
Unemployed .....	19.4	19.0	18.7	21.0	22.2	21.9	21.4	20.9	20.6	18.4	20.4	19.3	19.8
Unemployment rate .....	6.3	6.2	6.1	6.8	7.1	7.0	6.8	6.5	6.5	5.8	6.2	5.9	6.2
<b>Virginia</b>													
Civilian labor force .....	3,332.7	3,360.0	3,388.0	3,390.6	3,394.2	3,391.1	3,385.7	3,342.8	3,322.2	3,320.8	3,315.2	3,324.9	3,347.2
Employed .....	3,115.1	3,140.4	3,167.4	3,167.5	3,153.5	3,174.3	3,156.1	3,120.9	3,109.3	3,124.4	3,115.5	3,130.3	3,154.0
Unemployed .....	217.6	219.6	220.6	223.0	240.7	216.8	229.6	221.9	213.0	196.3	199.7	194.7	193.2
Unemployment rate .....	6.5	6.5	6.5	6.6	7.1	6.4	6.8	6.6	6.4	5.9	6.0	5.9	5.8
<b>Washington</b>													
Civilian labor force .....	2,538.0	2,547.7	2,534.7	2,601.8	2,622.8	2,598.4	2,645.2	2,594.1	2,597.4	2,594.4	2,633.8	2,568.0	2,614.0
Employed .....	2,356.0	2,357.1	2,337.7	2,423.9	2,446.5	2,422.1	2,465.5	2,417.5	2,417.5	2,397.6	2,425.2	2,366.0	2,402.2
Unemployed .....	182.0	190.5	197.0	178.0	176.4	176.3	179.7	176.6	179.9	196.8	208.6	202.0	211.8
Unemployment rate .....	7.2	7.5	7.8	6.8	6.7	6.8	6.8	6.8	6.9	7.6	7.9	7.9	8.1
<b>West Virginia</b>													
Civilian labor force .....	796.1	792.1	790.8	785.3	787.2	779.7	782.3	767.2	768.4	764.2	765.4	766.1	772.4
Employed .....	692.7	692.8	691.2	694.1	696.9	690.9	691.9	684.2	681.6	681.3	687.3	685.8	690.4
Unemployed .....	103.4	99.3	99.6	91.2	90.3	88.8	90.4	83.0	86.8	82.9	78.1	80.3	82.0
Unemployment rate .....	13.0	12.5	12.6	11.6	11.5	11.4	11.6	10.8	11.3	10.8	10.2	10.5	10.6
<b>Wisconsin</b>													
Civilian labor force .....	2,595.3	2,615.6	2,628.1	2,643.6	2,667.5	2,686.4	2,663.4	2,681.8	2,664.0	2,648.1	2,673.4	2,689.6	2,719.6
Employed .....	2,463.1	2,478.2	2,502.7	2,525.8	2,545.1	2,546.6	2,521.7	2,537.0	2,506.1	2,508.7	2,560.1	2,567.3	2,595.1
Unemployed .....	132.2	137.4	125.3	117.8	122.4	139.8	141.8	144.8	157.9	139.4	113.2	122.3	124.5
Unemployment rate .....	5.1	5.3	4.8	4.5	4.6	5.2	5.3	5.4	5.9	5.3	4.2	4.5	4.6
<b>Wyoming</b>													
Civilian labor force .....	239.0	242.8	243.3	243.1	242.0	240.4	241.6	240.3	241.5	240.6	239.1	236.8	236.9
Employed .....	224.2	225.6	227.2	227.8	228.9	226.8	227.1	227.1	228.5	229.1	228.3	225.9	226.0
Unemployed .....	14.9	17.2	16.2	15.3	13.1	13.6	14.6	13.1	12.9	11.5	10.8	10.9	10.9
Unemployment rate .....	6.2	7.1	6.6	6.3	5.4	5.7	6.0	5.5	5.4	4.8	4.5	4.6	4.6

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for region, State, and labor force data.

<sup>P</sup> = preliminary.

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

revised when new benchmark and population information becomes available. Data for Puerto Rico are derived from a monthly household survey similar to the Current Population Survey. See the Technical Note.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Alabama</b> .....	1,892.5	1,917.4	1,944.4	134.3	126.4	156.0	7.1	6.6	8.0
Birmingham .....	438.4	442.7	449.9	25.2	23.8	29.9	5.7	5.4	6.7
Huntsville .....	133.2	134.1	137.3	6.0	5.8	7.1	4.5	4.3	5.1
Mobile .....	220.7	226.1	227.4	15.4	16.0	19.3	7.0	7.1	8.5
Montgomery .....	135.6	138.4	140.2	7.9	7.3	9.0	5.8	5.3	6.4
Tuscaloosa .....	73.4	73.1	73.2	4.1	3.9	4.6	5.6	5.3	6.2
<b>Alaska</b> .....	251.5	258.1	256.9	29.1	22.4	26.7	11.6	8.7	10.4
Anchorage .....	114.4	120.2	118.3	9.4	7.7	9.1	8.2	6.4	7.7
<b>Arizona</b> .....	1,731.0	1,744.3	1,758.8	150.3	124.6	135.4	8.7	7.1	7.7
Phoenix .....	1,057.8	1,056.6	1,063.6	82.7	64.1	68.8	7.8	6.1	6.5
Tucson .....	319.5	329.9	329.4	19.4	16.5	17.7	6.1	5.0	5.4
<b>Arkansas</b> .....	1,134.3	1,106.9	1,100.1	96.9	81.8	90.8	8.5	7.4	8.3
Fayetteville-Springdale .....	63.7	64.3	64.2	2.9	2.3	2.5	4.5	3.6	4.0
Fort Smith .....	93.2	89.3	89.9	8.3	6.8	7.7	8.9	7.7	8.5
Little Rock-North Little Rock .....	273.3	267.0	265.0	18.6	15.6	16.4	6.8	5.8	6.2
Pine Bluff .....	37.9	36.5	35.2	4.5	3.6	3.9	11.8	10.0	11.2
<b>California<sup>1</sup></b> .....	14,889.2	15,311.0	15,122.6	1,266.4	1,425.1	1,484.2	8.5	9.3	9.8
Anaheim-Santa Ana .....	1,351.9	1,402.4	1,378.6	72.1	85.9	88.1	5.3	6.1	6.4
Bakersfield .....	246.9	274.5	267.9	35.2	43.0	42.4	14.3	15.7	15.8
Fresno .....	320.7	336.8	340.8	48.2	54.1	55.8	15.0	16.1	16.4
Los Angeles-Long Beach <sup>1</sup> .....	4,498.0	4,448.0	4,432.0	387.0	437.0	462.0	8.6	9.8	10.4
Modesto .....	169.2	181.8	177.2	27.6	30.1	30.8	16.3	16.6	17.4
Oakland .....	1,104.2	1,147.7	1,127.4	64.8	70.5	73.9	5.9	6.1	6.6
Oxnard-Ventura .....	374.8	387.1	384.9	29.7	33.9	34.6	7.9	8.7	9.0
Riverside-San Bernardino .....	1,105.2	1,137.2	1,139.9	108.4	124.2	128.4	9.8	10.9	11.3
Sacramento .....	776.1	802.0	789.0	60.4	63.5	65.2	7.8	7.9	8.3
Salinas-Seaside-Monterey .....	159.9	177.7	173.5	26.9	29.5	31.9	16.9	16.6	18.4
San Diego .....	1,178.3	1,210.0	1,198.5	78.3	89.0	93.4	6.6	7.4	7.8
San Francisco .....	882.3	916.6	886.0	47.8	51.6	53.7	5.4	5.6	6.1
San Jose .....	823.7	853.4	831.1	52.2	54.6	57.0	6.3	6.4	6.9
Santa Barbara-Santa Maria-Lompoc .....	183.2	186.5	182.6	13.9	15.4	16.6	7.6	8.3	9.1
Santa Rosa-Petaluma .....	217.7	225.4	221.3	14.6	15.4	16.7	6.7	6.8	7.5
Stockton .....	201.9	212.4	211.0	30.2	33.3	33.8	15.0	15.7	16.0
Vallejo-Fairfield-Napa .....	201.3	212.0	212.5	15.5	18.4	19.5	7.7	8.7	9.2
<b>Colorado</b> .....	1,767.5	1,780.5	1,775.5	106.2	94.4	111.2	6.0	5.3	6.3
Boulder-Longmont .....	143.1	147.1	147.3	5.7	5.4	6.2	4.0	3.7	4.2
Denver .....	895.8	906.9	899.1	51.0	47.0	54.8	5.7	5.2	6.1
<b>Connecticut</b> .....	1,797.4	1,765.9	1,745.5	143.6	123.4	131.4	8.0	7.0	7.5
Bridgeport-Milford .....	228.9	223.9	224.5	21.0	18.4	19.5	9.2	8.2	8.7
Hartford .....	441.2	426.4	416.2	33.1	29.3	31.2	7.5	6.9	7.5
New Britain .....	74.7	75.0	75.2	8.0	6.8	7.3	10.7	9.0	9.7
New Haven-Meriden .....	285.2	279.0	270.2	21.7	18.1	19.3	7.6	6.5	7.2
Stamford .....	115.8	113.2	113.1	6.2	5.6	5.7	5.4	5.0	5.1
Waterbury .....	104.4	102.4	106.5	12.4	10.4	10.9	11.9	10.1	10.3
<b>Delaware</b> .....	366.4	374.7	377.1	23.2	15.3	19.0	6.3	4.1	5.0
Wilmington .....	316.6	320.7	319.6	23.2	14.7	17.1	7.3	4.6	5.3
<b>District of Columbia</b> .....	281.1	263.4	262.4	23.6	22.4	25.6	8.4	8.5	9.8
Washington .....	2,204.9	2,233.1	2,218.6	116.0	102.9	108.2	5.3	4.6	4.9
<b>Florida<sup>1</sup></b> .....	6,338.2	6,540.1	6,530.5	544.2	411.5	515.3	8.6	6.3	7.9
Daytona Beach .....	158.0	162.7	162.3	13.6	10.8	13.4	8.6	6.6	8.3
Fort Lauderdale-Hollywood-Pompano Beach .....	667.5	692.0	693.2	58.4	42.4	53.0	8.8	6.1	7.6
Fort Myers-Cape Coral .....	153.6	157.0	158.3	12.2	9.2	11.4	8.0	5.9	7.2
Gainesville .....	110.1	114.9	112.2	6.2	4.5	5.5	5.7	3.9	4.9
Jacksonville .....	460.8	474.6	459.8	35.6	25.5	31.0	7.7	5.4	6.7
Lakeland-Winter Haven .....	180.1	186.9	182.2	18.0	15.4	18.9	10.0	8.2	10.3
Melbourne-Titusville-Palm Bay .....	195.2	196.9	195.9	17.4	12.9	16.0	8.9	6.6	8.2
Miami-Hialeah .....	943.3	968.0	972.9	102.0	72.0	88.1	10.8	7.4	9.1
Orlando .....	623.2	649.4	662.5	47.5	36.8	46.6	7.6	5.7	7.0
Pensacola .....	148.9	153.2	153.5	10.3	7.2	9.3	6.9	4.7	6.0
Sarasota .....	129.6	133.9	130.1	7.8	6.0	7.5	6.0	4.5	5.8
Tallahassee .....	136.3	144.8	140.9	6.7	5.3	6.3	4.9	3.7	4.5
Tampa-St. Petersburg-Clearwater .....	1,006.6	1,040.8	1,038.7	75.8	58.4	75.6	7.5	5.6	7.3
West Palm Beach-Boca Raton-Delray Beach .....	432.5	441.3	442.7	40.7	31.6	39.3	9.4	7.2	8.9

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Georgia</b> .....	3,187.0	3,251.5	3,261.2	173.7	187.8	219.4	5.5	5.8	6.7
Albany .....	53.9	55.4	53.4	3.4	3.9	4.5	6.3	7.0	8.4
Athens .....	78.3	79.0	75.0	3.5	3.7	4.3	4.5	4.7	5.7
Atlanta .....	1,518.6	1,553.3	1,513.9	74.5	83.8	95.5	4.9	5.4	6.3
Augusta .....	201.5	206.6	196.9	11.1	10.4	12.4	5.5	5.0	6.3
Columbus .....	98.6	100.0	98.1	6.0	6.2	7.2	6.0	6.2	7.3
Macon-Warner Robins .....	134.1	135.7	128.4	6.5	7.3	8.1	4.9	5.4	6.3
Savannah .....	117.0	120.1	117.9	5.9	6.4	7.5	5.1	5.3	6.4
<b>Hawaii</b> .....	565.4	578.4	575.6	20.5	25.3	27.5	3.6	4.4	4.8
Honolulu .....	405.0	414.9	409.7	11.9	12.9	13.9	2.9	3.1	3.4
<b>Idaho</b> .....	499.7	519.0	512.1	39.4	34.8	41.1	7.9	6.7	8.0
Boise City .....	123.5	129.9	125.4	6.5	5.6	6.4	5.2	4.3	5.1
<b>Illinois</b> <sup>1</sup> .....	6,081.2	6,177.1	6,028.1	554.4	447.3	447.8	9.1	7.2	7.4
Aurora-Elgin .....	197.3	199.4	195.7	19.3	15.1	15.2	9.8	7.6	7.8
Bloomington-Normal .....	77.1	80.5	82.1	4.5	3.9	3.9	5.9	4.8	4.7
Champaign-Urbana-Rantoul .....	92.9	97.4	93.6	5.4	4.6	4.6	5.9	4.7	4.9
Chicago .....	3,269.9	3,318.7	3,212.0	277.0	234.5	227.9	8.5	7.1	7.1
Davenport-Rock Island-Moline .....	185.7	188.1	188.9	15.6	12.5	14.3	8.4	6.6	7.6
Decatur .....	62.1	63.5	63.0	6.9	5.6	5.7	11.1	8.8	9.1
Joliet .....	217.8	226.6	230.1	23.5	17.6	18.2	10.8	7.8	7.9
Kankakee .....	51.2	52.9	50.9	5.7	4.3	4.5	11.1	8.2	8.9
Lake County .....	320.3	330.2	325.8	20.2	16.8	16.9	6.3	5.1	5.2
Peoria .....	169.7	171.3	171.5	15.5	12.0	12.6	9.2	7.0	7.3
Rockford .....	159.1	164.1	160.0	16.3	13.1	12.7	10.3	8.0	7.9
Springfield .....	117.2	121.1	119.6	7.9	6.5	6.5	6.8	5.4	5.4
<b>Indiana</b> .....	2,754.5	2,792.3	2,765.7	179.1	181.6	195.9	6.5	6.5	7.1
Anderson .....	55.8	55.7	56.3	4.4	4.4	4.9	7.9	8.0	8.8
Bloomington .....	59.3	62.3	61.1	2.5	3.3	2.9	4.2	5.2	4.7
Elkhart-Goshen .....	86.2	87.5	87.1	5.8	5.8	5.2	6.7	6.7	6.0
Evansville .....	140.5	143.9	142.0	9.4	9.4	9.9	6.7	6.5	7.0
Fort Wayne .....	192.0	189.6	192.5	13.3	11.7	12.9	6.9	6.2	6.7
Gary-Hammond .....	259.6	266.6	254.1	18.5	20.9	22.7	7.1	7.8	8.9
Indianapolis .....	674.6	688.8	671.1	32.0	36.3	36.9	4.7	5.3	5.5
Kokomo .....	45.8	46.5	46.1	3.5	3.3	3.4	7.7	7.0	7.3
Lafayette-West Lafayette .....	67.9	68.9	68.1	2.6	2.7	2.9	3.8	3.9	4.3
Muncie .....	59.6	59.9	59.8	4.1	4.1	4.5	6.9	6.9	7.5
South Bend-Mishawaka .....	127.1	128.9	124.7	8.4	7.6	8.2	6.6	5.9	6.6
Terre Haute .....	61.7	64.0	62.4	3.8	4.1	4.5	6.1	6.4	7.3
<b>Iowa</b> .....	1,537.4	1,548.2	1,555.2	77.9	61.2	77.6	5.1	4.0	5.0
Cedar Rapids .....	98.8	97.5	100.4	4.3	3.3	4.5	4.3	3.4	4.4
Des Moines .....	246.7	249.9	254.7	9.0	8.1	10.0	3.7	3.3	3.9
Dubuque .....	46.6	46.9	47.9	4.2	2.3	2.9	9.1	4.8	6.0
Iowa City .....	66.0	66.8	65.7	1.2	1.0	1.3	1.9	1.6	2.0
Sioux City .....	64.5	64.0	64.7	2.7	1.7	2.3	4.2	2.7	3.6
Waterloo-Cedar Falls .....	76.5	78.0	78.5	4.4	3.7	4.8	5.8	4.8	6.1
<b>Kansas</b> .....	1,301.4	1,322.3	1,316.0	59.0	53.0	64.3	4.5	4.0	4.9
Lawrence .....	45.3	47.5	46.4	1.5	1.6	1.9	3.4	3.5	4.0
Topeka .....	93.5	95.5	94.1	4.3	3.9	4.6	4.6	4.1	4.9
Wichita .....	262.0	264.1	264.1	11.2	10.9	13.4	4.3	4.1	5.1
<b>Kentucky</b> .....	1,732.7	1,750.1	1,740.4	146.7	109.1	124.0	8.5	6.2	7.1
Lexington-Fayette .....	190.0	196.0	197.3	10.0	7.5	8.4	5.3	3.8	4.3
Louisville .....	505.5	516.4	511.0	30.6	28.7	29.5	6.1	5.6	5.8
Owensboro .....	44.7	45.1	44.7	3.9	2.9	3.1	8.8	6.4	7.0
<b>Louisiana</b> .....	1,888.9	1,857.1	1,841.9	149.1	139.4	156.9	7.9	7.5	8.5
Alexandria .....	57.7	56.1	56.0	4.3	3.9	4.5	7.4	6.9	8.0
Baton Rouge .....	273.0	269.5	269.2	16.7	17.3	18.9	6.1	6.4	7.0
Houma-Thibodaux .....	69.6	68.0	66.0	6.5	5.6	6.2	9.3	8.2	9.5
Lafayette .....	106.6	105.1	101.3	7.4	6.4	7.0	7.0	6.1	6.9
Lake Charles .....	80.7	78.2	78.9	7.3	6.9	8.0	9.0	8.8	10.1
Monroe .....	69.5	68.9	66.8	4.7	4.3	5.0	6.8	6.3	7.6
New Orleans .....	568.2	560.5	550.0	35.4	36.8	39.8	6.2	6.6	7.2
Shreveport .....	153.8	151.3	151.8	11.4	9.8	11.0	7.4	6.5	7.2
<b>Maine</b> .....	637.8	654.8	649.2	55.9	47.4	59.2	8.8	7.2	9.1
Lewiston-Auburn .....	44.2	45.4	44.3	4.9	4.0	4.8	11.0	8.8	10.9
Portland .....	134.2	140.4	138.2	7.9	6.4	8.1	5.9	4.6	5.8

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Maryland</b> .....	2,528.9	2,611.3	2,566.7	184.8	163.9	164.3	7.3	6.3	6.4
Baltimore .....	1,201.4	1,231.5	1,208.3	95.8	86.6	86.9	8.0	7.0	7.2
<b>Massachusetts</b> <sup>1</sup> .....	3,086.6	3,135.3	3,150.5	260.6	248.0	266.5	8.4	7.9	8.5
Boston .....	1,523.3	1,546.2	1,545.9	108.0	103.9	109.6	7.1	6.7	7.1
Brockton .....	95.4	97.4	96.5	9.6	8.9	9.5	10.1	9.1	9.9
Fall River .....	75.7	77.1	78.7	9.9	8.6	9.9	13.1	11.2	12.6
Fitchburg-Leominster .....	46.7	47.6	47.1	4.8	4.1	4.3	10.2	8.5	9.1
Lawrence-Haverhill .....	185.3	189.1	194.2	17.8	18.0	18.8	9.6	9.5	9.7
Lowell .....	147.0	148.3	150.6	12.9	13.8	14.3	8.8	9.3	9.5
New Bedford .....	85.3	86.3	87.3	11.1	10.1	11.1	13.0	11.7	12.7
Pittsfield .....	41.1	41.9	41.2	4.2	3.7	4.2	10.1	8.9	10.2
Springfield .....	253.3	255.4	255.0	22.3	22.3	24.9	8.8	8.7	9.8
Worcester .....	213.5	212.4	220.9	18.7	17.2	18.3	8.8	8.1	8.3
<b>Michigan</b> <sup>1</sup> .....	4,564.3	4,611.3	4,561.7	447.9	330.6	356.8	9.8	7.2	7.8
Ann Arbor .....	164.2	170.3	163.8	9.0	6.7	6.8	5.5	3.9	4.2
Battle Creek .....	63.3	65.3	63.8	5.3	4.4	4.4	8.4	6.7	6.9
Benton Harbor .....	78.2	79.4	77.9	7.6	5.8	6.5	9.7	7.3	8.4
Detroit .....	2,112.0	2,125.7	2,128.0	211.2	154.6	166.8	10.0	7.3	7.8
Flint .....	187.1	185.2	182.0	24.5	16.7	17.8	13.1	9.0	9.8
Grand Rapids .....	389.1	396.2	387.8	29.1	21.7	22.7	7.5	5.5	5.9
Jackson .....	65.0	66.2	65.1	6.7	5.2	5.7	10.4	7.9	8.8
Kalamazoo .....	119.3	122.7	122.4	6.9	5.7	5.9	5.8	4.6	4.8
Lansing-East Lansing .....	243.3	245.5	239.5	15.0	11.8	12.2	6.2	4.8	5.1
Muskegon .....	67.4	66.1	65.1	8.5	6.6	7.0	12.6	10.0	10.7
Saginaw-Bay City-Midland .....	188.6	190.4	187.1	16.5	12.4	13.8	8.8	6.5	7.4
<b>Minnesota</b> .....	2,377.4	2,454.2	2,482.4	142.2	119.7	145.3	6.0	4.9	5.9
Duluth .....	113.7	112.2	116.9	8.6	6.8	9.1	7.6	6.1	7.8
Minneapolis-St. Paul .....	1,384.7	1,435.9	1,455.1	67.6	59.7	70.0	4.9	4.2	4.8
Rochester .....	65.3	66.9	67.7	2.4	2.2	2.4	3.7	3.3	3.6
St. Cloud .....	107.3	110.7	112.0	7.9	5.9	7.8	7.4	5.3	6.9
<b>Mississippi</b> .....	1,151.8	1,174.4	1,157.9	100.3	72.7	75.7	8.7	6.2	6.5
Jackson .....	194.5	201.5	196.8	10.8	8.9	9.4	5.6	4.4	4.8
<b>Missouri</b> .....	2,712.2	2,648.5	2,647.7	191.1	140.0	178.3	7.0	5.3	6.7
Kansas City .....	868.5	863.9	866.3	47.6	39.8	46.8	5.5	4.6	5.4
St. Louis LMA .....	1,293.1	1,269.1	1,256.4	97.8	66.6	79.6	7.6	5.2	6.3
Springfield .....	137.3	135.1	137.6	7.0	5.9	7.6	5.1	4.4	5.6
<b>Montana</b> .....	407.5	407.7	402.8	37.5	27.4	33.0	9.2	6.7	8.2
<b>Nebraska</b> .....	836.3	839.0	835.1	29.1	22.1	27.1	3.5	2.6	3.2
Lincoln .....	130.4	130.9	128.8	3.6	2.7	3.0	2.7	2.1	2.3
Omaha .....	339.8	338.1	341.8	12.6	10.1	12.4	3.7	3.0	3.6
<b>Nevada</b> .....	658.0	680.4	677.9	46.6	40.2	50.5	7.1	5.9	7.4
Las Vegas .....	414.4	432.8	428.1	28.9	24.9	28.9	7.0	5.8	6.7
Reno .....	139.0	142.3	142.4	10.1	8.1	11.6	7.2	5.7	8.1
<b>New Hampshire</b> .....	624.8	643.7	642.7	49.0	45.6	53.4	7.8	7.1	8.3
Manchester .....	85.7	87.3	87.0	7.1	5.8	7.0	8.2	6.7	8.0
Nashua .....	98.1	102.4	102.5	7.6	8.6	8.9	7.8	8.4	8.7
Portsmouth-Dover-Rochester .....	133.9	137.4	138.0	8.8	6.9	9.5	6.6	5.0	6.9
<b>New Jersey</b> <sup>1</sup> .....	3,983.6	4,008.8	3,897.1	303.9	312.8	310.3	7.6	7.8	8.0
Atlantic City .....	180.1	184.9	176.4	20.3	20.6	20.5	11.3	11.1	11.6
Bergen-Passaic .....	679.8	677.0	658.1	49.2	52.6	51.3	7.2	7.8	7.8
Jersey City .....	273.2	282.9	260.5	28.0	30.6	29.3	10.3	10.8	11.3
Middlesex-Somerset-Hunterdon .....	584.7	583.0	579.1	35.4	36.6	36.2	6.0	6.3	6.2
Monmouth-Ocean .....	480.4	487.8	466.2	36.8	34.6	34.3	7.7	7.1	7.4
Newark .....	936.2	934.7	906.6	71.0	73.9	72.8	7.6	7.9	8.0
Trenton .....	177.3	177.9	168.5	11.3	10.6	10.7	6.4	6.0	6.3
Vineland-Millville-Bridgeton .....	62.3	62.1	60.8	8.0	7.9	8.2	12.9	12.7	13.5
<b>New Mexico</b> .....	711.4	720.7	711.9	53.6	40.1	46.9	7.5	5.6	6.6
Albuquerque .....	266.0	271.0	269.5	13.5	10.3	12.1	5.1	3.8	4.5
Las Cruces .....	57.9	59.1	56.3	4.9	3.4	4.0	8.4	5.8	7.1
Santa Fe .....	72.7	75.3	73.3	3.1	2.5	2.7	4.3	3.3	3.7

See footnotes at end of table.

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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>New York<sup>1</sup></b> .....	8,434.1	8,539.9	8,562.5	768.7	694.8	796.1	9.1	8.1	9.3
Albany-Schenectady-Troy .....	431.9	433.5	442.1	32.2	23.5	25.3	7.5	5.4	5.7
Binghamton .....	121.2	118.6	122.1	9.4	8.0	8.7	7.8	6.8	7.1
Buffalo .....	454.7	456.8	461.5	39.5	28.8	32.0	8.7	6.3	6.9
Elmira .....	42.4	40.8	42.5	3.5	2.4	2.6	8.2	5.9	6.1
Glens Falls .....	53.0	52.2	53.1	6.7	5.2	5.4	12.7	10.0	10.2
Nassau-Suffolk .....	1,325.9	1,326.9	1,339.4	100.6	82.3	84.2	7.6	6.2	6.3
New York .....	3,904.2	4,004.8	3,991.8	385.6	403.7	483.4	9.9	10.1	12.1
New York City <sup>1</sup> .....	3,263.0	3,367.0	3,347.0	341.0	369.0	447.0	10.4	11.0	13.4
Orange County .....	135.5	138.4	141.3	11.0	8.9	9.4	8.1	6.4	6.6
Poughkeepsie .....	121.2	119.6	119.6	8.3	7.2	7.9	6.9	6.1	6.6
Rochester .....	508.2	513.3	516.2	32.8	24.6	26.2	6.5	4.8	5.1
Syracuse .....	320.2	317.4	321.5	27.0	20.1	22.1	8.4	6.3	6.9
Utica-Rome .....	135.1	135.4	137.9	13.6	9.4	10.6	10.0	7.0	7.7
<b>North Carolina<sup>1</sup></b> .....	3,384.9	3,493.5	3,457.7	227.6	183.7	216.2	6.7	5.3	6.3
Asheville .....	91.9	96.3	95.6	5.7	4.2	5.3	6.2	4.4	5.5
Charlotte-Gastonia-Rock Hill .....	642.7	660.5	652.2	39.5	31.7	35.5	6.1	4.8	5.4
Greensboro-Winston-Salem-High Point .....	517.3	529.7	534.8	29.3	23.0	27.5	5.7	4.3	5.1
Raleigh-Durham .....	423.4	440.4	451.4	18.0	15.5	19.0	4.2	3.5	4.2
<b>North Dakota</b> .....	307.6	307.0	304.3	17.0	13.7	16.1	5.5	4.5	5.3
Bismarck .....	46.4	45.6	45.6	2.5	1.8	2.4	5.5	3.9	5.3
Fargo-Moorhead .....	88.3	88.1	89.3	4.0	3.2	3.7	4.5	3.6	4.1
Grand Forks .....	34.3	34.8	34.4	1.3	1.1	1.3	3.9	3.2	3.6
<b>Ohio<sup>1</sup></b> .....	5,426.5	5,405.5	5,437.0	433.8	381.2	446.6	8.0	7.1	8.2
Akron .....	333.6	336.6	338.4	26.6	23.7	26.7	8.0	7.1	7.9
Canton .....	195.3	193.6	195.6	16.9	14.6	16.6	8.6	7.6	8.5
Cincinnati .....	775.2	781.4	785.5	46.4	42.4	49.2	6.0	5.4	6.3
Cleveland .....	933.8	932.2	938.0	64.7	63.1	70.9	6.9	6.8	7.6
Columbus .....	740.9	748.7	756.6	41.7	40.0	47.7	5.6	5.3	6.3
Dayton-Springfield .....	475.8	474.4	473.0	33.0	29.1	32.8	6.9	6.1	6.9
Toledo .....	302.9	303.8	308.8	27.2	21.3	24.8	9.0	7.0	8.0
Youngstown-Warren .....	220.9	222.7	225.0	21.2	21.8	24.0	9.6	9.8	10.6
<b>Oklahoma</b> .....	1,509.8	1,531.8	1,521.5	109.6	81.6	95.1	7.3	5.3	6.2
Enid .....	27.0	28.5	27.9	1.4	.9	1.2	5.0	3.2	4.3
Lawton .....	48.4	51.7	50.7	3.1	2.6	3.0	6.5	4.9	5.9
Oklahoma City .....	486.8	497.2	499.8	29.7	21.2	24.4	6.1	4.3	4.9
Tulsa .....	344.1	353.2	348.9	24.9	20.6	23.6	7.2	5.8	6.8
<b>Oregon</b> .....	1,488.6	1,518.3	1,519.6	121.4	105.6	125.5	8.2	7.0	8.3
Eugene-Springfield .....	147.3	148.3	148.3	12.5	10.3	12.8	8.5	6.9	8.6
Medford .....	74.3	77.6	77.4	7.2	5.8	7.4	9.7	7.5	9.5
Portland .....	697.3	711.8	709.2	45.1	40.4	43.7	6.5	5.7	6.2
Salem .....	137.3	142.5	143.4	10.8	10.0	12.1	7.9	7.0	8.4
<b>Pennsylvania<sup>1</sup></b> .....	5,934.6	5,995.4	5,980.3	464.6	406.7	489.0	7.8	6.8	8.2
Allentown-Bethlehem-Easton .....	341.1	343.9	341.4	27.2	23.2	28.1	8.0	6.7	8.2
Altoona .....	62.1	63.3	63.7	5.9	5.1	5.8	9.5	8.1	9.1
Beaver County .....	62.2	62.8	63.8	7.8	6.3	7.7	12.5	10.0	12.1
Erie .....	138.6	139.4	142.6	12.8	9.1	11.2	9.2	6.5	7.8
Harrisburg-Lebanon-Carlisle .....	336.8	341.4	342.3	19.2	17.4	21.4	5.7	5.1	6.3
Johnstown .....	101.9	100.8	103.7	11.0	11.1	12.9	10.8	11.1	12.5
Lancaster .....	226.4	230.5	235.6	14.1	10.9	15.7	6.2	4.7	6.7
Philadelphia .....	2,426.0	2,456.8	2,404.1	168.0	156.7	178.6	6.9	6.4	7.4
Pittsburgh .....	1,013.9	1,026.0	1,034.4	73.3	66.5	79.7	7.2	6.5	7.7
Reading .....	175.5	176.1	179.7	13.0	10.9	13.6	7.4	6.2	7.6
Scranton-Wilkes-Barre .....	368.9	371.7	378.6	36.5	32.7	38.4	9.9	8.8	10.2
Sharon .....	51.6	52.5	53.1	4.1	6.3	6.9	8.0	12.1	12.9
State College .....	65.0	69.5	67.0	4.4	4.0	4.6	6.8	5.7	6.9
Williamsport .....	60.3	59.6	61.2	5.8	4.7	6.1	9.6	7.9	9.9
York .....	225.9	229.4	234.2	15.4	13.5	16.1	6.8	5.9	6.9
<b>Rhode Island</b> .....	507.5	517.2	522.5	41.6	37.2	41.5	8.2	7.2	7.9
Pawtucket-Woonsocket-Attleboro .....	163.6	169.1	171.6	14.3	12.8	13.8	8.7	7.6	8.0
Providence .....	337.2	340.9	350.2	27.4	24.6	27.6	8.1	7.2	7.9
<b>South Carolina</b> .....	1,735.5	1,775.0	1,756.8	133.5	97.2	116.7	7.7	5.5	6.6
Charleston .....	238.2	247.5	238.9	15.4	11.6	13.8	6.5	4.7	5.8
Columbia .....	240.1	249.0	244.6	13.3	10.2	12.0	5.5	4.1	4.9
Greenville-Spartanburg .....	341.8	352.0	345.9	20.0	14.5	17.0	5.9	4.1	4.9
<b>South Dakota</b> .....	358.0	362.9	357.2	13.3	10.7	15.4	3.7	3.0	4.3
Rapid City .....	40.4	41.0	40.2	1.6	1.2	2.0	3.9	2.9	4.9
Sioux Falls .....	79.4	79.2	79.4	2.2	2.2	2.5	2.8	2.8	3.1

See footnotes at end of table.



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

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>	Jan. 1992	Dec. 1992	Jan. 1993 <sup>P</sup>
<b>Tennessee</b> .....	2,393.5	2,465.9	2,424.3	189.3	141.8	177.2	7.9	5.7	7.3
Chattanooga .....	214.5	217.8	211.9	14.2	10.9	13.1	6.6	5.0	6.2
Johnson City-Kingsport-Bristol .....	229.9	231.4	223.8	16.6	12.4	14.7	7.2	5.3	6.6
Knoxville .....	291.7	301.4	303.9	22.5	16.8	22.5	7.7	5.6	7.4
Memphis .....	461.6	476.0	464.6	30.7	25.0	30.4	6.7	5.2	6.5
Nashville .....	520.8	533.1	530.9	31.4	23.6	27.6	6.0	4.4	5.2
<b>Texas<sup>1</sup></b> .....	8,646.1	8,762.4	8,680.1	721.8	650.4	727.0	8.3	7.4	8.4
Abilene .....	51.4	53.2	52.1	3.7	3.3	3.7	7.2	6.3	7.0
Amarillo .....	97.3	98.5	97.5	6.5	5.3	6.2	6.7	5.4	6.4
Austin .....	455.4	465.9	472.1	26.1	23.8	25.5	5.7	5.1	5.4
Beaumont-Port Arthur .....	177.3	184.0	178.3	17.1	18.5	21.5	9.7	10.1	12.0
Brazoria .....	94.8	96.8	90.2	7.8	7.5	8.3	8.2	7.8	9.2
Brownsville-Harlingen .....	111.8	115.7	112.8	16.4	14.2	14.9	14.7	12.3	13.3
Bryan-College Station .....	63.6	67.4	64.0	3.0	2.7	2.9	4.7	3.9	4.5
Corpus Christi .....	168.0	168.3	170.9	18.0	15.8	16.9	10.7	9.4	9.9
Dallas .....	1,452.1	1,448.8	1,450.3	112.9	97.7	107.5	7.8	6.7	7.4
El Paso .....	256.0	263.4	263.1	31.6	28.4	30.1	12.4	10.8	11.4
Fort Worth-Arlington .....	735.3	734.0	737.4	57.6	48.7	59.8	7.8	6.6	8.1
Galveston-Texas City .....	113.4	118.1	119.7	10.5	10.3	11.3	9.3	8.7	9.4
Houston .....	1,771.3	1,791.1	1,756.3	132.1	129.8	145.6	7.5	7.2	8.3
Killeen-Temple .....	99.3	102.9	104.4	9.1	7.6	8.7	9.2	7.4	8.3
Laredo .....	56.3	59.3	58.5	5.9	5.7	5.9	10.4	9.6	10.2
Longview-Marshall .....	82.5	81.8	80.3	8.6	7.7	8.8	10.5	9.5	11.0
Lubbock .....	115.7	115.7	113.5	8.2	7.1	7.4	7.1	6.1	6.5
McAllen-Edinburg-Mission .....	167.0	168.8	168.8	32.8	27.7	30.6	19.6	16.4	18.2
Midland .....	49.5	50.2	48.6	3.5	3.7	4.1	7.0	7.4	8.4
Odessa .....	54.7	54.4	53.8	5.1	5.4	6.3	9.3	9.9	11.7
San Angelo .....	45.3	46.2	45.9	3.2	2.7	3.2	7.1	5.8	6.9
San Antonio .....	610.4	621.9	626.8	45.9	39.1	43.0	7.5	6.3	6.9
Sherman-Denison .....	46.9	46.7	46.5	4.0	3.4	3.8	8.5	7.2	8.2
Texarkana .....	58.4	58.0	56.9	5.2	4.4	4.8	8.9	7.6	8.4
Tyler .....	76.1	75.9	76.4	6.3	5.6	6.7	8.3	7.4	8.8
Victoria .....	38.8	39.2	39.5	2.7	2.4	2.8	7.0	6.2	7.2
Waco .....	92.1	95.0	92.8	6.8	6.3	6.7	7.4	6.6	7.2
Wichita Falls .....	55.1	54.9	53.8	4.3	4.0	4.1	7.8	7.3	7.6
<b>Utah</b> .....	797.5	819.6	808.0	37.9	40.5	40.6	4.8	4.9	5.0
Provo-Orem .....	119.8	123.3	118.0	5.2	5.3	5.5	4.4	4.3	4.6
Salt Lake City-Ogden .....	514.4	529.4	524.9	22.6	25.0	24.6	4.4	4.7	4.7
<b>Vermont</b> .....	308.7	325.3	320.8	22.0	19.2	22.4	7.1	5.9	7.0
Burlington .....	76.3	80.6	80.0	3.6	3.4	4.0	4.8	4.3	5.0
<b>Virginia</b> .....	3,302.2	3,309.3	3,314.2	237.0	188.4	213.8	7.2	5.7	6.5
Charlottesville .....	72.8	72.1	72.5	4.4	2.9	3.8	6.0	4.0	5.2
Danville .....	54.6	53.0	53.9	5.6	3.7	4.5	10.3	7.0	8.3
Lynchburg .....	77.2	76.7	79.0	5.1	3.8	5.2	6.6	5.0	6.5
Norfolk-Virginia Beach-Newport News .....	646.7	665.4	654.7	47.2	42.8	46.5	7.3	6.4	7.1
Richmond-Petersburg .....	471.7	469.5	471.2	29.8	26.1	29.0	6.3	5.6	6.1
Roanoke .....	129.8	132.2	131.7	7.6	6.1	7.6	5.9	4.6	5.7
<b>Washington</b> .....	2,514.5	2,561.3	2,591.6	205.3	204.8	237.1	8.2	8.0	9.1
Seattle .....	1,123.5	1,132.0	1,155.8	68.6	71.7	78.3	6.1	6.3	6.8
<b>West Virginia</b> .....	788.9	767.7	765.8	109.8	80.0	90.4	13.9	10.4	11.8
Charleston .....	120.8	117.6	118.3	13.4	9.2	11.4	11.1	7.8	9.7
Huntington-Ashland .....	135.1	129.7	132.1	17.2	12.2	14.8	12.8	9.4	11.2
Parkersburg-Marietta .....	73.9	73.8	74.7	7.7	6.7	8.1	10.5	9.0	10.8
Wheeling .....	72.8	72.3	71.6	8.1	6.7	7.9	11.2	9.3	11.0
<b>Wisconsin</b> .....	2,552.8	2,683.6	2,662.1	148.8	116.3	139.7	5.8	4.3	5.2
Appleton-Oshkosh-Neenah .....	172.7	186.2	183.6	9.5	8.7	8.1	5.5	4.7	4.4
Eau Claire .....	70.1	73.5	73.0	4.2	2.9	5.0	6.1	3.9	6.9
Green Bay .....	112.3	118.2	118.9	5.5	3.8	5.0	4.9	3.2	4.2
Janesville-Beloit .....	72.3	73.1	75.9	4.8	3.0	4.7	6.7	4.2	6.2
Kenosha .....	57.0	59.4	60.5	4.2	2.6	3.9	7.3	4.4	6.5
La Crosse .....	55.1	59.8	57.4	2.9	3.6	2.7	5.2	6.0	4.7
Madison .....	224.4	242.3	239.8	7.3	5.8	5.5	3.2	2.4	2.3
Milwaukee .....	746.5	774.5	775.3	37.6	26.3	31.5	5.0	3.4	4.1
Racine .....	87.2	88.0	90.5	6.9	4.8	6.2	7.9	5.5	6.8
Sheboygan .....	57.8	61.8	58.5	3.3	3.0	2.0	5.7	4.8	3.5
Wausau .....	64.2	66.6	66.6	4.1	3.9	4.1	6.4	5.8	6.2
<b>Wyoming</b> .....	235.3	234.8	232.7	18.5	11.7	15.0	7.8	5.0	6.4
Casper .....	31.3	31.3	29.7	2.8	1.9	2.6	9.1	6.1	8.7

<sup>1</sup> Data are obtained directly from the Current Population Survey. See the Explanatory Notes for Region, State, and Area Labor Force Data.  
<sup>P</sup> = preliminary.  
 NOTE: Data refer to place of residence. All estimates are provisional

and will be revised when new benchmark and population information becomes available. Area definitions are published annually in the May issue of this publication.

# Explanatory Notes

## Introduction

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

*Data based on household interviews* are obtained from the Current Population Survey (CPS), a sample survey of the population 16 years of age and over. The Bureau of the Census conducts the survey each month for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. Trained interviewers collect the information from a sample of about 60,000 households, representing 729 areas in 1,973 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The 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 currently based on payroll reports from a sample of over 350,000 establishments employing over 41 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th day of the month.

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage, 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 series follow.

### Employment

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

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

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

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

### Hours of work

The household survey measures hours actually worked, whereas the payroll survey measures hours paid for by employers. In the household survey data, all persons with a job but not at work are excluded from the hours

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

### Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to average earnings of production and related workers in mining and manufacturing, construction workers in construction, and nonsupervisory employees in private service-producing industries. For a comprehensive discussion of the household survey earnings series, see *Technical Description of the Quarterly Data on Weekly Earnings from the Current Population Survey*, BLS Bulletin 2113.

### COMPARABILITY OF HOUSEHOLD DATA WITH OTHER SERIES

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*.

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

### COMPARABILITY OF PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

# Household Data (A tables)

## COLLECTION AND COVERAGE

Statistics on the employment status of the population; the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force; and related data are compiled for BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data through 1987 are published in *Labor Force Statistics Derived From the Current Population Survey*, BLS Bulletin 2307.

These monthly surveys of the population are conducted through a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th day of the month. This is known as the survey week. Actual field interviewing is conducted during the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations, and they are excluded from the population and labor force statistics shown in this publication. Data on the members of the Armed Forces stationed in the United States, who are included as part of the special categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense. (See tables A-1, A-2, A-32, and A-42.)

Each month about 60,000 occupied units are eligible for interview. About 2,600 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 results in a noninterview rate for the survey of between 4 and 5 percent. In addition to the 60,000 occupied units, there are 11,500 sample units in an average month which are visited but found to be vacant or otherwise not enumerated. Part of the sample is changed each month. The rotation plan, as 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 used since 1967 are as follows:

*Employed persons* are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs.

Each employed person is counted only once, even if he or she holds more than one job. Multiple jobholders are counted in the job at which they worked the greatest number of hours during the survey week.

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

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

*Duration of unemployment* represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Two useful measures of the duration are the mean and the median. Mean duration is the arithmetic average computed from single weeks of unemployment; median duration is the midpoint of a distribution of weeks of unemployment.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor

force prior to beginning to look for work. (4) *Newentrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

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

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

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

*Employment-population ratios* represent the proportion of the population that is employed. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

*Not in the labor force* includes all persons 16 years and over who are not classified as employed or unemployed. These persons are further classified as engaged in own-home housework, in school, unable to work because of long-term physical or mental illness, retired, or other. The "other" group includes individuals reported as too old or temporarily unable to work, the voluntarily idle, seasonal workers for whom the survey week fell in an off season and who were not reported as looking for work, and persons who did not look for work because they believed that no jobs were available in the area or that no jobs were available for which they could qualify—discouraged workers. Persons doing only incidental, unpaid family work (less than 15 hours in the specified week) are also classified as not in the labor force.

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

*Occupation, industry, and class of worker* for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1990 census. Information on the detailed categories included in these groups is available upon request.

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

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

Persons who worked 35 hours or more during the survey week are designated as working *full time*. Persons who worked between 1 and 34 hours are designated as working *part time*. Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or noneconomic reasons). Economic reasons include: Slack work, material shortages, repairs to plant or equipment, start or termination of a job during the week, and inability to find full-time work. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or

school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

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

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

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

*White, black, and other* are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because

of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

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

*Vietnam-era veterans* are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

*Usual weekly earnings* data are provided from responses to the question "How much does...USUALLY earn per week at this job before deductions?" Included are any overtime pay, commissions, or tips usually received. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, the interviewer defines the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding the incorporated self-employed) who usually work full time on their sole or primary job.

*Median earnings* indicate the value which divides the earnings distribution into two equal parts, one part having values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$50 centered interval within which each median falls.

Data expressed in constant dollars are deflated by the Consumer Price Index for All Urban Consumers (CPI-U).

*Single, never married; married, spouse present; and other marital status* are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

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

A *householder* is the person (or one of the persons) in whose name the housing unit is owned or rented. The term is never applied to either husbands or wives in married-

couple families but relates only to persons in families maintained by either men or women without a *Family* refers to a group of two or more persons residing spouse.

*Family* refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family are either self-employed or in the Armed Forces.

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

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

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

## HISTORICAL COMPARABILITY

### Change in lower age limit

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

### Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data:

- 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.
- Starting 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.
- Commencing in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged.
- A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.
- Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitu-

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

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

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

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

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

- Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The purpose of the change and an indication of its effect on national estimates of labor force characteris-

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

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

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

- Starting in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of emigrants among legal foreign-born residents for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin population and labor force estimates were raised by about 425,000 and 305,000, respectively, and employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the mag-



nitude 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, and race cells. This change had virtually no effect on national estimates.

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

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

Starting 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), and this new system differed so radically 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" taken from the "clerical workers" group 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 adminis-

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

Beginning in January 1992, the occupational and industrial classification systems used in the 1990 census were introduced into the CPS. 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 industrial classification system used in the 1990 census is based on the 1987 Standard Industrial Classification system. The most notable changes from the 1980 system 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. The number of sample areas and the number of sample persons are also increased occasionally. Most of these changes are made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates. When Alaska and Hawaii received statehood, 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 SMSA's, which were redefined in 1973. In January 1985, a new State-based CPS sample was selected based on 1980 census information. A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

The 1980 census-based sample design includes about 72,000 housing units per month located in 729 selected geographic areas called primary sampling units (PSU's). The sample was initially selected so that specific reliability criteria were met nationally, for each of the 50 States, for the District of Columbia, and for the sub-State areas of New York City and the Los Angeles-Long Beach metropolitan area. Since 1985, these reliability criteria have been

maintained through periodic additions and deletions in the State samples. The criteria, given below, are based on the coefficient of variation (CV) of the unemployment rate, 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 in the denominator of this formula to establish a consistent specification of sampling error.

Nationally, a 1.8-percent CV is maintained on the monthly unemployment rate estimate. This means that a change of 0.2 percentage point in the unemployment rate is significant at a 90-percent confidence level.

In 11 States—California, Florida, Illinois, Massachusetts, Michigan, New Jersey, New York, North Carolina, Ohio, Pennsylvania, and Texas—the most populous States at the time of the 1980 decennial census, an 8-percent CV is maintained on the monthly unemployment rate estimate. In the other 39 States and the District of Columbia, an 8-percent CV is maintained on the annual unemployment rate estimate. In New York City and the Los Angeles-Long Beach metropolitan area, a 9-percent CV is maintained on the monthly unemployment rate.

In the first stage of sampling, the 729 sample areas are chosen. In the second stage, ultimate sampling unit clusters composed of about four housing units each are selected. Each month, about 72,000 housing units are assigned for data collection, of which about 60,000 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 60,000 housing units, 4 to 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 113,000 persons 16 years of age and older.

*Selection of sample areas.* The entire area of the United States, consisting of 3,137 counties and independent cities, is divided into 1,973 primary sampling units (PSU's). In most States, a PSU consists of a county or a number of contiguous counties. In New England and Hawaii, minor civil divisions are used instead of counties.

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

The 1,973 PSU's are grouped into strata within each State. Then one PSU is selected from each stratum with the probability of selection proportional to the population of the PSU. There are 314 PSU's in strata by themselves that are self-representing, and generally these are the most populated PSU's in each State. The remaining strata are formed by combining PSU's that are similar in such characteristics as population growth; proportions of blacks and of Hispanics (in certain States); and population distribution by occupation, industry, age, and sex. The PSU's, randomly selected from these strata are non-self-representing because each one chosen represents the entire stratum. The probability of selecting a particular PSU in a non-self-representing stratum is proportional to its 1980 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 essentially State based, the sampling ratio differs by State and depends on the reliability requirements for estimates for each State. The State sampling ratios range roughly from 1 in every 200 households to 1 in every 2,500 households in each stratum of the State. 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 with a State sampling ratio of 1 in 2,500, the within-PSU sampling ratio that results is 1 in 250, thereby achieving the desired ratio of 1 in 2,500 for the stratum.

Within each designated PSU, several steps are involved in selecting the housing units to be enumerated. First, the 1980 census enumeration districts (ED's), which are administrative units and contain on the average about 300 housing units, are ordered so that the sample would reflect the demographic and residential characteristics of the PSU. Within each ED, the housing units are sorted geographically and are grouped into clusters of approximately four housing units. Next, a systematic sample of these clusters of housing units is selected.

The identification of the sample housing units within an ED is made wherever possible from the list of ED addresses compiled during the 1980 census. The address lists are used in about three-fourths of the ED's, primarily in urban areas. Area sampling is applied in the remaining ED's, mostly in rural areas. In ED's where address lists are used, automated methods are used to form clusters of geographically contiguous housing units. An effort is made to have all small, multi-unit addresses (two to four housing units) included in the same cluster. The methods use the within-PSU sampling ratio to identify appropriate clusters for the sample. Supplemental samples are also prepared to

account for addresses in isolated geographic areas and to account for housing units not found on the address lists, including housing units newly constructed in the PSU since the census date. The addresses of these units are obtained mainly from records of building permits.

In those enumeration districts where area sampling methods are used, mainly rural areas, the ED's are subdivided into small land "chunks" with well-defined boundaries and having, in general, an expected "size" of about 8 to 12 housing units or other living quarters. For each subdivided ED, one chunk (or more) is designated for the sample. When a selected chunk contains about four households, for example, all units are included in the sample. When the size of the chunk is several times four units, an interviewer does not conduct interviews at all housing units in the chunk but uses a systematic sampling pattern to obtain approximately four households. The remaining housing units in the chunk are then available for further samples. Area ED's also make use of building permit lists to identify newly constructed housing units.

*Rotation of sample.* Part of the sample is changed each month. For each sample, eight representative subsamples or rotation groups are identified. 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 any 1 month, one-eighth of the rotation groups are in their first month of enumeration, another eighth is in their second month, and so on. Under this system, 75 percent of the sample segments are common from month to month and 50 percent from year to year. This procedure, which was introduced in 1953, provides a substantial amount of month-to-month and year-to-year overlap in the sample, thus reducing discontinuities in the series of data without burdening any specific group of households with an unduly long period of inquiry.

Table 1-A provides a description of some aspects of the CPS sample design 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 1980 census-based sample appears in "Redesign of the Sample for the Current Population Survey," in the May 1984 issue of *Employment and Earnings*.

## 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, almost all sample persons within the same State have the same probability of selection (with the exception of New York and California, where the cities of New York and Los Angeles are sampled at a higher probability). These selection probabilities are then adjusted for noninterviews; ratio adjustments are made to known population controls; and composite the estimation procedure is applied.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the 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 4 to 5 percent, depending on weather, vacation, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the population as a whole in such characteristics as age, race, sex, and residence. 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 estimates as follows:

a. *First-stage ratio estimate.* In the CPS, a portion of the 729 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure reduces the portion of the variance that results from requiring sample PSU's in a State to represent nonsampled PSU's in the same State and is not applied to self-representing PSU's. The adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and nonblack. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample PSU's and the known race distribution of the State.

**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
Nov. 1989 to present <sup>3</sup> .....	729	57,400	2,600	11,800

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

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

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

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment, which further reduces variability of the estimates and corrects to some extent for CPS undercoverage relative to the decennial census, is carried out in three steps.

In the first step, the sample estimates are adjusted within each State and the District of Columbia to independent controls for the population 16 years and over. These controls are an arithmetic extrapolation of the trend in the growth of this population segment using the two most recent July 1 estimates, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports, Series P-25*. For a description of the methodology used in developing the State total, see Report 957 of that series. A description of the age estimates methodology is available in Report 1010 of that series.

The second step involves an adjustment by Hispanic origin to a national estimate for 14 Hispanic and 5 non-Hispanic age-sex categories. These Hispanic controls are prepared by carrying forward the 1980 census count for Hispanics by adding estimated Hispanic births and immigrants and subtracting estimated Hispanic deaths and emigrants to yield an estimate of the Hispanic population by age and sex. Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure.

In the third step, a national adjustment is made by the race categories of white, black, and other races to indepen-

dent estimates by age and sex. The white and black categories contain 66 and 42 age-sex groups respectively; the other races category has 10 age-sex cells. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race-origin categories will be virtually equal to the independent population control totals.

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

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center

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

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

3. *Composite estimate procedure.* 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. The unemployment estimates for these persons are 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.

### **Rounding of estimates**

The sums of individual items may not always equal the totals shown in the same tables because of independent

rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

### **Reliability of the estimates**

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

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

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 6 percent. It is known that the CPS undercoverage

varies with age, sex, race, and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics, and other races combined than for whites. Ratio estimation to independent age-sex-race-origin population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race-origin group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

**Sampling error.** 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.

Because 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 sampling errors and some kinds of non-sampling 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 1991. For years prior to 1967, the standard errors obtained must be further adjusted to reflect the CPS sample size in effect at that time. For years prior to 1956, standard errors should be multiplied by 1.5; for the years 1956 through 1966, standard errors should be multiplied by 1.22.

Tables 1-B through 1-H are provided so that approximate standard errors of estimates can be easily obtained. Details illustrating the proper use of each table follow.

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

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

Tables 1-F and 1-G give parameters that can be used with formulas to calculate a standard error on nearly any specified level, unemployment rate, percentage, or consecutive month-to-month change. For monthly levels and consecutive month-to-month changes in levels, tables 1-F and 1-G are preferred to tables 1-D and 1-E, because 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 quarterly and yearly averages, consecutive year-to-year changes of monthly estimates, and changes in quarterly and yearly averages.

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

(In thousands)

Industry	Monthly level	Consecutive-month change
Total, 16 years and over:		
Civilian labor force .....	260	191
Employed .....	281	213
Unemployed .....	144	157
Men, 20 years and over:		
Civilian labor force .....	165	140
Employed .....	183	154
Unemployed .....	106	120
Women, 20 years and over:		
Civilian labor force .....	196	148
Employed .....	201	154
Unemployed .....	88	101
Both sexes, 16 to 19 years:		
Civilian labor force .....	83	82
Employed .....	80	80
Unemployed .....	52	68
Black, 16 years and over:		
Civilian labor force .....	121	88
Employed .....	123	93
Unemployed .....	65	74
Men, 20 years and over:		
Civilian labor force .....	67	59
Employed .....	72	64
Unemployed .....	46	54
Women, 20 years and over:		
Civilian labor force .....	85	64
Employed .....	84	65
Unemployed .....	43	50
Both sexes, 16 to 19 years:		
Civilian labor force .....	33	34
Employed .....	28	29
Unemployed .....	25	29
Hispanic origin, 16 years and over:		
Civilian labor force .....	97	68
Employed .....	102	81
Unemployed .....	52	61

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 196,000 is given in table 1-B in the row, "total, women 20 years and over: civilian labor force." A 90-percent confidence interval as shown by these data, would then be the interval from 53,686,000 to 54,314,000. Concluding that the true labor force level lies within this interval would be correct for roughly 90 percent of all possible samples.

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

*Illustration.* Assume that between 2 consecutive months the estimated number of employed persons changed from 115,600,000 to 116,700,000, an apparent increase of 1,100,000. The approximate standard error on this month-to-month change estimate is based on the average level of the estimate for the 2 months, 116,150,000. Using the table 1-E column titled "labor force data other than unemployment and agricultural employment, 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 240,000, and the standard error corresponding to 120,000,000 is given as 206,000. 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.

$$206,000 + \left( \frac{120,000,000 - 116,150,000}{120,000,000 - 100,000,000} \right) (240,000 - 206,000) = 213,000$$

Thus, a 90-percent confidence interval for the true month-to-month change would be approximately the interval from 759,000 to 1,441,000.

*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

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

Characteristic	Monthly level	Consecutive-month change
Total, 16 years and over . . .	0.11	.14
Men, 16 years and over . . . . .	.16	.19
Men, 20 years and over . . . . .	.16	.19
Women, 16 years and over . . . . .	.16	.19
Women, 20 years and over . . . . .	.16	.19
Both sexes, 16 to 19 years . . . . .	.78	1.03
White workers . . . . .	.12	.14
Black workers . . . . .	.48	.56
Hispanic-origin workers . . . . .	.50	.60
Married men, spouse present . . . . .	.17	.20
Married women, spouse present . . . . .	.18	.22
Women who maintain families . . . . .	.55	.65
<b>Occupation</b>		
Executive, administrative, and managerial . . . . .	.23	.27
Professional specialty . . . . .	.18	.22
Technicians and related support . . . . .	.40	.47
Sales . . . . .	.30	.36
Administrative support, including clerical . . . . .	.26	.31
Private household . . . . .	1.44	1.71
Protective service . . . . .	.86	1.02
Service, except private household and protective service . . . . .	.36	.43
Precision production, craft, and repair . . . . .	.38	.45
Machine operators, assemblers, and inspectors . . . . .	.53	.64
Transportation and material moving . . . . .	.58	.69
Handlers, equipment cleaners, helpers, and laborers . . . . .	.80	.96
Farming, forestry, and fishing . . . . .	.66	.78
<b>Industry</b>		
Nonagricultural private wage and salary workers . . . . .	.14	.16
Goods-producing industries . . . . .	.28	.33
Mining . . . . .	1.59	1.89
Construction . . . . .	.76	.91
Manufacturing . . . . .	.29	.34
Durable goods . . . . .	.37	.45
Nondurable goods . . . . .	.45	.54
Service-producing industries . . . . .	.15	.18
Transportation, communications, and public utilities . . . . .	.42	.50
Wholesale and retail trade . . . . .	.27	.33
Finance and services . . . . .	.19	.23
Government workers . . . . .	.20	.24
Agricultural wage and salary workers . . . . .	1.08	1.29

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 1 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, because 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 this table 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.

$$a = -0.000015749 \quad b = 2464.91$$

$$s_x = \sqrt{(-0.000015749)(6,000,000)^2 + (2464.91)(6,000,000)} = 119,000$$

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.

$$s_x = \sqrt{(-0.000082123)(6,100,000)^2 + (3494.11)(6,100,000)} = 135,000$$

An approximate 90-percent confidence interval for the true month-to-month change would be the interval from -16,000 to 416,000. 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



**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	11	11	11	11	12	11	11	11	12	12
100	16	16	16	16	16	16	16	16	17	17
500	38	36	35	36	36	35	35	36	38	38
1,000	57	50	49	49	51	50	50	50	52	52
2,000	88	69	70	67	71	70	70	69	71	71
4,000	145		98	86	96	99	98	93	93	93
6,000	200		119	94		120	120	108	102	102
8,000	253		137	93		138	137	117	104	104
10,000	307		152	84		153	152	122	97	97
15,000			183			184	183	117		
20,000			207			209	207	84		
30,000						246	243			
40,000						273	267			
50,000						293	284			
60,000						306	294			
70,000						313	297			
80,000						316	295			
100,000						306	272			
120,000						275	216			
140,000						211				
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	13	11	13	13	14	9	9	9	10	9
100	18	15	19	19	19	13	13	13	14	12
500	39	34	42	41	43	29	29	30	32	27
1,000	53	48	58	57	60	41	41	41	44	37
2,000	71	66	82	76	82	57	57	57	60	50
4,000	85		113	92	107	81	81	76	77	65
6,000	82		134	91		98	98	87	84	72
8,000	58		151	72		112	112	93	84	73
10,000			163			125	125	95	76	68
15,000			184			150	150	82		
20,000			192			170	170			
30,000						200	200			
40,000						222	222			
50,000						237	237			
60,000						246	246			
70,000						251	251			
80,000						252	252			
100,000						240	240			
120,000						206	206			
140,000						138	138			
160,000										
180,000										

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  $b = 2111.70$  from table 1-F ("labor force and not-in-labor-force data other than agricultural employment and unemployment, total women"). Apply the formula to obtain:

$$s_{y,p} = \sqrt{\frac{2111.70}{5,600,000} (32) (100 - 32)} = 0.9 \text{ percent}$$

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  $b = 2245.76$  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.

$$s_{y,p} = \sqrt{\frac{2245.76}{5,650,000} (33) (100 - 33)} = 0.9 \text{ percent}$$

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" 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

**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 <sup>1</sup> .....	-0.000015503	2488.36
Men <sup>1</sup> .....	-0.000028833	2300.61
Women .....	-0.000025830	2111.70
Both sexes, 16 to 19 years .....	-0.000149802	2039.69
White <sup>1</sup> .....	-0.000017494	2488.36
Men .....	-0.000032295	2300.61
Women .....	-0.000029346	2111.70
Both sexes, 16 to 19 years .....	-0.000177579	2039.69
Black .....	-0.000113103	2613.14
Men .....	-0.000273973	2458.39
Women .....	-0.000164107	2181.67
Both sexes, 16 to 19 years: .....	-0.001144754	2390.62
Hispanic origin .....	-0.000199918	2945.94
Not in labor force, total or white, excluding women and 16-to 19-year-olds .....	.000005200	690.84
Agricultural employment:		
Total or white .....	.000685688	2541.14
Men .....	.000755044	2351.42
Women or both sexes, 16 to 19 years .....	-0.000021749	2155.45
Black .....	-0.000121753	2626.04
Hispanic origin:		
Total or women .....	.011486158	2189.09
Men or both sexes, 16 to 19 years .....	.015153395	1268.58
Unemployment:		
Total or white .....	-0.000015749	2464.91
Black .....	-0.000191460	2621.89
Hispanic origin .....	-0.000098631	2704.53

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

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

Characteristic	a	b
<b>Labor force and not-in-labor-force data other than agricultural employment and unemployment:</b>		
Total or white:		
Most characteristics .....	-0.00010944	1668.04
High correlation characteristics <sup>1</sup> .....	-0.00008144	1304.38
Low correlation characteristics <sup>1</sup> .....	-0.00014170	2126.02
Men:		
Most characteristics .....	-0.00019884	1599.03
High correlation characteristics .....	-0.00014794	1249.33
Low correlation characteristics .....	-0.000051372	2221.13
Women:		
Most characteristics .....	-0.00018554	1410.58
Low correlation characteristics .....	-0.000052252	2245.76
Both sexes, 16 to 19 years .....	-0.000162663	2097.34
Black:		
Most characteristics .....	-0.000089327	1787.47
Low correlation characteristics .....	-0.001740338	5422.14
Men:		
Most characteristics .....	-0.000212603	1912.52
Low correlation characteristics .....	-0.002613218	4889.94
Women:		
Most characteristics .....	-0.000140597	1539.24
Low correlation characteristics .....	-0.002078353	4483.53
Both sexes, 16 to 19 years .....	-0.001139392	2538.37
Hispanic origin:		
Total .....	-0.000152279	2098.10
Civilian labor force and not in labor force .....	-0.000099676	1459.85
Low correlation characteristics .....	-0.002541911	6518.78
Men, civilian labor force and not in labor force .....	-0.000238849	1749.13
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years .....	-0.000384132	2694.10
Women, 16 years and over and 20 years and over .....	-0.000330113	1972.12
<b>Agricultural employment:</b>		
Total or white:		
Total .....	-0.000346999	3199.19
Men .....	-0.000592136	3295.42
Women or both sexes, 16 to 19 years .....	.000113873	1975.66
Black:		
Total or women .....	-0.000110444	2382.12
Men or both sexes, 16 to 19 years .....	-0.017331654	4929.50
Hispanic origin:		
Total or women .....	.002782195	3509.38
Men or both sexes, 16 to 19 years .....	.002777539	3001.45
Self-employed .....	-0.000215510	1743.43
<b>Unemployment:<sup>2</sup></b>		
Total or white:		
Total, men, women .....	-0.000082123	3494.11
Both sexes, 16 to 19 years and low correlation characteristics .....	-0.000062800	4269.23
Black:		
Total, men, women, and both sexes, 16 to 19 years .....	-0.000373894	3630.26
High correlation characteristics .....	.000043481	2571.23
Hispanic origin:		
Total, men, women .....	-0.000244978	3822.03
Both sexes, 16 to 19 years and low correlation characteristics .....	-0.000965230	5321.96

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

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

in monthly estimates. Table 1-H gives factors to be applied only to standard errors for monthly levels. 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, total”). Use the formula for  $s_x$  to compute an approximate standard error for a monthly estimate of 11,600,000.

$$a = -0.000113103 \quad b = 2613.14$$

$$s_x = \sqrt{(-0.000113103)(11,600,000)^2 + (2613.14)(11,600,000)} = 123,000$$

**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 107,000 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.

$$s_x = \sqrt{(-0.000113103)(11,400,000)^2 + (2613.14)(11,400,000)} = 123,000$$

**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 103,000 on the estimated change of 400,000 from 1 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 (Tables B-1 through C-8)

## COLLECTION

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

### Federal-State cooperation

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

### Shuttle schedules

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

Data on the total number of full-and part-time workers on the payrolls of nonfarm establishments are entered on form BLS 790; for most industries, there is provision on form BLS 790 for data (for the pay period which includes the 12th day of the month) on employment, payroll levels, and hours of production and related or nonsupervisory workers.

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

### 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 count as employed. Not counted as employed are persons who are on layoff, on leave without pay, on strike for the entire period, or who were hired but have not yet reported during the period.

*Indexes of diffusion of employment change* (table B-7). These indexes measure the dispersion among industries of the change in employment over the specified time span. Beginning with August 1990 data, the overall indexes are calculated from 356 seasonally adjusted employment series (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 has increased as has decreased. Index numbers above 50 show that more industries had increasing

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

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

### Industry hours and earnings

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

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

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

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

*Payroll* covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th day of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemploy-

ment 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 payments in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

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

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

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

*Indexes of aggregate weekly hours.* The indexes of aggregate weekly hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1982. For basic industries, the hours aggregates are the product of average weekly hours and production worker or nonsupervisory worker employment. At all higher levels of industry aggregation, hours aggregates are the sum of the component aggregates.

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

Since overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. Diverse trends at the industry group level also may be caused by a marked change in hours for a compo-

ment 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 because the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under production worker, construction worker, or nonsupervisory employee definitions.

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

For each sample establishment in SIC 3721 and SIC 3761 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

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

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

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

Structural changes in the makeup of the workforce can affect long-term trends of average weekly earnings. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the services industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

*Real earnings,* or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

## ESTIMATING METHODS

The 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 1,700 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 99 percent of in-scope private employment is covered by UI. A benchmark for the remaining 1 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 months following the March benchmark are recalculated by applying previously derived over-the-month sample changes to the new, revised March level. Thus, while the employment levels for postbenchmark months can be substantially revised, the trends and over-the-month changes remain relatively the same.

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

### Monthly estimation

Estimates are derived from a sample of approximately 350,000 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 1,700 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 level.

This detailed stratification pattern allows for the production and publication of estimates in considerable industry detail. Subindustry stratification by size is important because major statistics which the survey measures, particularly employment change and average earnings, often vary significantly among 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 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 establishment opening for business and its appearing on the UI universe frame and being available for sampling. Because new firms generate a substantial amount of employment growth during any given year, nonsampling methods must be used to capture this growth, otherwise substantial underestimation of total employment levels would occur. Formal bias adjustment procedures have been used by the establishment survey since the late 1960's. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming year.

This procedure eventually proved inadequate during periods of rapidly changing employment trends, and bias adjustment methodology was revised. Research done in the early 1980's indicated that bias requirements correlated strongly with current employment growth or decline. Based on this research, a revised method was developed which incorporated data on employment growth



**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. <sup>1</sup>	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees . . . . .	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. <sup>2</sup>	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Average weekly hours . . . . .	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers. <sup>2</sup>	Average, weighted by production or nonsupervisory worker employment, of the average weekly hours for component cells.
Average weekly overtime hours . . . . .	Production worker overtime hours divided by number of production workers. <sup>2</sup>	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Average hourly earnings . . . . .	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours. <sup>2</sup>	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Average weekly earnings . . . . .	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers . . . . .	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Average weekly hours . . . . .	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours . . . . .	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Average hourly earnings . . . . .	Annual total of aggregate payrolls (product of production or nonsupervisory worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings . . . . .	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

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

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

earnings are modified by a wedging technique designed to compensate for changes in the sample arising mainly from the voluntary character of the reporting. The wedging procedure accepts the

advantage of continuity from the use of the matched sample and, at the same time, tapers or wedges the estimate toward the level of the latest sample average.

over the most recent 2 quarters and included a regression-derived coefficient for the significance of that change, to adjust the mean error model results. This methodological change provided a more cyclically sensitive bias model.

The regression-adjusted mean error model has been in use since 1983 for producing national estimates.

## 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 to supply data in considerably more detail with an additional 1-month lag.

The sampling plan used in the establishment survey is a form of sampling with probability proportionate to size, known as "sampling proportionate to average size of establishment." This is an optimum allocation design among strata because sampling variance is proportional to the average size of establishments. The universe of establishment employment is highly skewed, with a large percentage of total employment concentrated in relatively few establishments. Because variance on a population total estimate is a function of the percentage of universe coverage achieved by the sample, it is efficient to sample larger establishments at a higher rate than smaller establishments, assuming the cost per sample unit is fairly constant across size classes.

Under the establishment survey design, large establishments fall into certain 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, a sample design for these industries must have 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-B

**Table 2-B. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1991**

Industry	Bench- marks (thousands)	Sample coverage <sup>1</sup>		
		Number of establish- ments	Employees	
			Number (thousands)	Percent of bench- marks
Total .....	107,507	300,138	40,969	38
Mining .....	695	3,518	257	37
Construction .....	4,356	26,367	860	20
Manufacturing .....	18,339	55,254	8,884	48
Transportation and public utilities .....	5,707	<sup>2</sup> 15,598	<sup>2</sup> 2,425	42
Wholesale trade .....	6,050	25,379	1,136	19
Retail trade .....	18,934	59,471	4,330	23
Finance, insurance, and real estate .....	6,656	22,065	2,166	33
Services .....	28,053	70,075	6,852	24
Government:				
Federal .....	2,939	( <sup>3</sup> )	2,939	100
State .....	4,476	5,446	3,769	84
Local .....	11,302	16,965	7,351	65

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

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

<sup>3</sup> Total Federal employment counts by agency for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 6,000 reports covering about 64 percent of employment in Federal establishments.

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. 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 2C-2F.

*Benchmark revision as a measure of survey error.* The sum of sampling and nonsampling error can be considered total

**Table 2-C. Current and historical benchmark revisions**

(Numbers in thousands)

Industry	March 1991 benchmark revision		10-year average mean percent revision <sup>1</sup>	
	Level	Percent	Actual	Absolute
Total .....	-640	-0.6	-0.1	0.2
Total private .....	-583	-.7	-.2	.3
Goods-producing .....	9	( <sup>2</sup> )	-.5	.6
Mining .....	-4	-.6	-2.0	2.6
Oil and gas extraction .....	3	.8	-2.1	3.0
Construction .....	-10	-.2	-.3	1.2
General building contractors .....	-20	-1.8	0	1.9
Manufacturing .....	23	.1	-.5	.6
Durable goods .....	46	.4	-.5	.6
Lumber and wood products .....	-19	-2.9	-1.1	1.4
Furniture and fixtures .....	-9	-1.9	-.6	.9
Stone, clay, and glass products .....	1	.2	-.3	.9
Primary metal industries .....	5	.7	-.5	.8
Blast furnaces and basic steel products .....	3	1.1	.1	1.4
Fabricated metal products .....	-1	-.1	-1.0	.8
Industrial machinery and equipment .....	14	.7	-.6	1.1
Electronic and other electrical equipment .....	8	.5	-1.0	1.1
Transportation equipment .....	35	1.9	-.4	1.1
Motor vehicles and equipment .....	12	1.6	-.9	1.5
Instruments and related products .....	10	1.0	-.1	1.7
Miscellaneous manufacturing .....	0	0	-1.1	1.3
Nondurable goods .....	-23	-.3	-.5	.7
Food and kindred products .....	-6	-.4	-.8	1.0
Tobacco products .....	0	0	.1	3.9
Textile mill products .....	4	.6	-.3	.6
Apparel and other textile products .....	-13	-1.3	-.8	1.2
Paper and allied products .....	-4	-.6	-.2	.5
Printing and publishing .....	4	.3	-.2	.8
Chemicals and allied products .....	-17	-1.6	-.5	.8
Petroleum and coal products .....	0	0	-.6	1.5
Rubber and miscellaneous plastics products .....	3	.4	-.6	1.6
Leather and leather products .....	4	3.2	-1.2	3.8
Service-producing .....	-649	-.8	0	.3
Transportation and public utilities .....	-57	-1.0	-.4	.6
Transportation .....	-52	-1.5	-.8	1.1
Communications and public utilities <sup>3</sup> .....	-5	-.2	-.1	.8
Wholesale trade .....	-13	-.2	-.5	.9
Durable goods .....	3	.1	-.9	1.1
Nondurable goods .....	-16	-.6	0	.8
Retail trade .....	-56	-.3	.1	.7
General merchandise stores .....	82	3.4	.2	1.7
Food stores .....	-27	-.9	-.8	1.4
Auto dealers and service stations .....	-44	-2.2	-.4	1.2
Eating and drinking places .....	-68	-1.1	.5	1.2
Finance, insurance, and real estate .....	-29	-.4	-.3	.5
Finance <sup>3</sup> .....	-75	-2.3	-.5	.6
Insurance <sup>3</sup> .....	36	1.7	0	.8
Real estate <sup>3</sup> .....	10	.8	-.4	1.4
Services .....	-437	-1.6	.1	.5
Business services .....	-216	-4.4	.3	1.6
Health services .....	-40	-.5	-.5	.9
Government .....	-57	-.3	.1	.3
Federal .....	0	0	0	0
State .....	4	.1	-.5	.8
Local .....	-61	-.5	-.1	.4

<sup>1</sup> Data relate to the 1982-91 benchmarks, unless otherwise noted.

<sup>3</sup> Data relate to 1983-91 benchmarks.

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

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. Although the benchmark error is used as a measure of total error for the CES survey estimate, technically, it represents the difference between two independent estimates derived from separate survey processes (i.e., the CES sample process and the UI universe process) and thus reflects the errors present in each program. Historically, the benchmark revision has been very small for total nonfarm employment. Over the past decade, percentage benchmark error has averaged 0.2 percent, with a range from zero to 0.6 percent. Table 2-C shows the most current benchmark revisions, along with 10-year mean revisions and mean absolute revisions for major industries. Mean revisions give an indication of bias in the estimates; unbiased estimates have a mean revision close to zero, as over and under estimations cancel out over time. Mean absolute revisions give an overall indicator as to the accuracy of the estimates; the larger the value, the further the estimate was from the final benchmark level.

An alternate measure for determining the reliability of the employment estimates for individual industries is the root-mean-square error. This measure is the standard deviation adjusted for the bias in the estimates:

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

If the bias is small, the chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors of differences between final estimates and benchmarks are presented in table 2-D.

**Table 2-D. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings**

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

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

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

*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 SIC refiling survey. Corrections to individual establishments' SIC and ownership codes are made through this process. The refiling cycle is such that every third year entire division(s) are subject to refiling. The volume of these adjustments is generally quite large and has a substantial impact on universe employment counts at the industry levels, although the total nonfarm employment level remains unaffected. For example, in a year when the services division is refiled, a substantial amount of employment is usually reclassified out of services to other major divisions, thus, lowering the benchmark level for services, and potentially causing a significant downward revision in the services employment totals previously published.

*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. The hours and earnings estimates, however, are subject to sampling errors, which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table 2-E and for individual industries with the specified number of employees in table 2-D. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error from the averages that would have been obtained from a complete census.

**Table 2-E. Relative errors for average weekly hours and average hourly earnings by industry**

(In percent)

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

<sup>1</sup> Relative errors relate to 1982 data.

**Table 2-F. Errors of preliminary employment estimates**

Industry	Root-mean-square error of monthly level	Mean percent revision	
		Actual	Absolute
Total .....	77,800	0.0	0.1
Total private .....	60,100	0	.1
Goods-producing industries .....	19,600	0	.1
Mining .....	2,700	.1	.3
Oil and gas extraction .....	2,500	.2	.5
Construction .....	13,000	.1	.2
General building contractors .....	5,300	0	.3
Manufacturing .....	12,700	0	.1
Durable goods .....	10,100	0	.1
Lumber and wood products .....	1,700	0	.2
Furniture and fixtures .....	1,400	0	.2
Stone, clay, and glass products .....	1,400	0	.2
Primary metal industries .....	2,600	-.1	.2
Blast furnaces and basic steel products .....	1,900	-.1	.5
Fabricated metal products .....	2,100	0	.1
Industrial machinery and equipment .....	3,000	0	.1
Electronic and other electrical equipment .....	3,500	0	.1
Transportation equipment .....	5,000	0	.2
Motor vehicles and equipment .....	4,400	0	.4
Instruments and related products .....	1,900	0	.2
Miscellaneous manufacturing .....	1,600	0	.3
Nondurable goods .....	7,000	0	.1
Food and kindred products .....	4,600	0	.2
Tobacco products .....	700	.4	1.0
Textile mill products .....	1,900	0	.2
Apparel and other textile products .....	2,800	0	.2
Paper and allied products .....	1,700	0	.2
Printing and publishing .....	1,800	0	.1
Chemicals and allied products .....	2,100	0	.1
Petroleum and coal products .....	700	0	.3
Rubber and misc. plastics products .....	1,600	0	.1
Leather and leather products .....	1,000	-.1	.6
Service-producing industries .....	69,100	0	.1
Transportation and public utilities .....	10,700	0	.1
Transportation .....	9,000	.1	.2
Communications and public utilities .....	4,400	0	.2
Wholesale trade .....	6,500	0	.1
Durable goods .....	4,200	0	.1
Nondurable goods .....	4,400	0	.1
Retail trade .....	32,100	0	.1
General merchandise stores .....	18,900	0	.5
Food stores .....	6,800	0	.2
Automotive dealers and service stations .....	4,400	0	.1
Eating and drinking places .....	6,500	0	.1
Finance, insurance, and real estate .....	7,500	0	.1
Finance .....	4,300	0	.1
Insurance .....	4,000	0	.1
Real estate .....	4,200	.1	.2
Services .....	33,800	0	.1
Business services .....	13,400	.1	.2
Health services .....	8,200	0	.1
Government .....	47,100	0	.2
Federal .....	15,100	.1	.4
State .....	19,000	-.1	.4
Local .....	32,000	0	.2

NOTE: Errors are based on differences from January 1987 through December 1991. Data used in the computations for several industries are not strictly comparable due to changes in the industrial classification system.

*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-F 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. The interpretation of these measures parallels the description above for revisions between final sample-based estimates and benchmarks (i.e., tables 2-B and 2-D).

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 nonfarm level, and may be slightly larger for the more detailed industry groupings.

## STATISTICS FOR STATES AND AREAS

### (Tables B-8 and C-8)

State agencies in cooperation with BLS collect and prepare State and area employment, hours, and earnings data. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

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

## COLLECTION

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

## CONCEPTS

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

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

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

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

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

*Unit nonlabor payments* include profits, capital consumption allowances, interest, rental income of persons,

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

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

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

## NOTES ON THE DATA

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

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

Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202-606-5606).

# Regional, State, and Area Labor Force Data (Tables D-1 through D-3)

## FEDERAL-STATE COOPERATIVE PROGRAM

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

Annual average data for the States and areas shown in table D-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 2,600 labor market areas. The estimation methods are described below for States (and the District of Columbia) and for sub-State areas. A more detailed description of the estimation procedure is contained in the BLS document, *Manual for Developing Local Area Unemployment Statistics*.

### Estimates for States

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

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

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

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

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

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

*Benchmark correction procedures.* Once each year, monthly estimates for the 39 non-direct-use States and the District of Columbia are adjusted, or benchmarked, by



BLS to the annual average CPS estimates. The benchmarking technique employs a procedure (called the Denton method) which adjusts the annual average of the models to equal the CPS annual average, while preserving, as much as possible, the original monthly seasonal pattern of the model estimates.

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

### **Estimates for sub-State areas**

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

*Preliminary estimate—employment.* The total civilian employment estimates are based on CES data. These “place-of-work” estimates must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for several categories of employment on the basis of employment relationships at the time of the 1980 decennial census. These factors are applied to the CES estimates for the current period to obtain adjusted employment esti-

mates, 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 three categories: (1) Persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian labor force for the first time or reentering after a period of separation.

*Sub-State adjustment for additivity.* Estimates of employment and unemployment are prepared for the State and LMA's within the State. The LMA estimates geographically exhaust the entire State. Thus, a proportional adjustment must be applied to all sub-State LMA estimates to ensure that they add to the independently estimated State totals for employment and unemployment.

*Benchmark correction.* At the end of each year, sub-State estimates are revised. The revisions incorporate any changes in the inputs, such as revisions in the CES-based employment figures, corrections in claims counts, and updated historical relationships. The corrected estimates are then readjusted to add to the revised (benchmarked) State estimates of employment and unemployment.

## Seasonal Adjustment

Over the course of a year, the size of the Nation's labor force, the levels of employment and unemployment, and other measures of labor market activity undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. Because these seasonal events follow a more or less regular pattern each year, their influence on statistical trends can be eliminated by adjusting the statistics from month to month. These adjustments make it easier to observe the cyclical and other nonseasonal movements in the series. In evaluating changes in a seasonally adjusted series, it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, 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*.

Since January 1980, national labor force data have been seasonally adjusted with a procedure called X-11 ARIMA (Auto-Regressive Integrated Moving Average), which was developed at Statistics Canada as an extension of the standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method* by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, January 1983.

At the beginning of each calendar year, projected seasonal adjustment factors are calculated for use during the January-June period. In July of each year, BLS calculates and publishes in *Employment and Earnings* projected seasonal adjustment factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years are made only at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

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

components. The total for unemployment is the sum of the four unemployment components, and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

In each January issue, *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. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

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 D-1 and D-2). Using the X-11 ARIMA procedure, seasonal adjustment factors are computed and applied independently to the component employment and unemployment levels and then aggregated to regional or State totals. Current seasonal adjustment factors are produced for 6-month periods twice a year. Historical revisions 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.

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

All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. For employment, seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for hours and earnings series are obtained by taking a weighted average of the seasonally adjusted data for the component series.

Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, season-

ally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1982 annual average base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1982 annual average base.

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

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

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

BLS has developed an extension of X-11 ARIMA to allow it to adjust more adequately for the effects of the presence or absence of religious holidays in the April survey reference period and of Labor Day in the September reference period. This extension was applied for the first time at the end of 1989 to three persons-at-work labor force series which tested as having significant and well-defined effects in their April data associated with the timing of Easter. This extension was also used for the seasonal adjustment of many of the establishment-based series on average weekly hours and manufacturing over-time hours, starting with the computation of the projected factors for the period beginning in April 1990.

Revised seasonally adjusted establishment-based series based on the experience through March 1992, new seasonal adjustment factors for May-October 1992, and a description of the current seasonal adjustment procedure appear in the June 1992 issue of *Employment and Earnings*.

**U.S. DEPARTMENT OF LABOR  
Bureau of Labor Statistics**

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	Current Employment Statistics (CES) and State and Local Area Unemployment Statistics (LAUS) Programs			
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