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# EMPLOYMENT AND EARNINGS

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





## U.S. DEPARTMENT OF LABOR

Robert B. Reich, Secretary

### BUREAU OF LABOR STATISTICS

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September 1993

Vol. 40 No. 9

### 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
National data revised to reflect new benchmarks and new seasonal adjustment factors	June
Revised historical national data	Bulletin <sup>1</sup>
State and area annual 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 1993.

# Employment and Earnings

Editors: Gloria Peterson Green, Eugene H. Becker

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# Employment and Unemployment Developments, August 1993

The Nation's unemployment rate was 6.7 percent in August. After averaging 7.0 percent during the first half of this year, the rate has edged down over the past 2 months to its lowest level in 2 years.

Total employment, as measured by the survey of households, increased by 409,000 in August to 119.7 million, after showing little change in the prior 2 months. Payroll employment, as measured by the survey of business establishments, remained at 110.3 million in August, following substantial gains in recent months.

## Unemployment

The number of persons who were unemployed in August (8.7 million) and the unemployment rate (6.7 percent) have shown some improvement over the past 2 months. Since June of last year, the number of jobless persons has decreased by 1.1 million and the rate has declined by a full percentage point.

There was little or no change over the month in the unemployment rates for adult men (6.4 percent), adult women (5.7 percent), and teenagers (18.2 percent). The rates for whites (5.9 percent) and blacks (12.5 percent) also remained near their July levels. The rate for black teenagers (31.4 percent) showed further improvement. The jobless rate for Hispanics also improved, falling by 1.2 percentage points over the month to 9.7 percent. (See tables A-33 and A-34.)

The number of short-term unemployed—persons jobless for less than 5 weeks—declined by 274,000 over the month to 3.0 million. Longer-term unemployment was about unchanged from July. With the decline in the number of newly unemployed, both the mean and median duration of unemployment edged up in August to 18.3 and 8.4 weeks, respectively. (See table A-40.)

## Total employment and the labor force

The estimate of total employment increased by 409,000 in August to 119.7 million, after showing little movement during the prior 2 months. Over the year, total employment has risen by 1.9 million. Reflecting the over-the-month gain in employment, the proportion of the population with jobs—the employment-population ratio—rose to 61.8 percent, the highest percentage since April 1991. (See table A-33.)

The civilian labor force rose by 300,000 in August, reaching 128.4 million, seasonally adjusted. The labor

force participation rate edged back up to the June level of 66.2 percent but was still two-tenths of a percentage point below the year-earlier rate. The labor force has risen by 1.0 million over the past year. (See table A-33.)

## Industry payroll employment

Nonfarm payroll employment was about unchanged in August at 110.3 million, following an increase of 211,000 in July. Since its most recent low point in February 1992, nonfarm employment has risen by 2.2 million. In August, however, manufacturing continued to lose jobs and most other industries showed little change. (See table B-4.)

The number of manufacturing jobs declined by 42,000 in August and has fallen by 239,000 since this past February. Job losses over the most recent month were widespread, with declines continuing in primary metals, machinery, electronics, aircraft and parts, instruments, and apparel.

Construction employment has been quite flat over the summer months, following fairly strong growth earlier in the year. The number of construction jobs—4.6 million—is still nearly three-quarters of a million below its pre-recession peak of early 1990 but has risen by some 140,000 since reaching a low point last September.

Services added 34,000 jobs in August, only about a third of the average monthly increase over the past year and a half. Slow growth in personnel supply services and health services contributed to the weakness over the month.

Employment in transportation and public utilities, which had shown moderate declines in June and July and smaller drops during the spring, was essentially unchanged over the month. Retail trade employment was also flat in August but has generally shown steady improvement for more than a year and a half. Employment in wholesale trade has had alternating gains and losses over the last 4 months, showing no clear direction. Employment also was little changed in government over the past month.

## Weekly hours

Average weekly hours for production or nonsupervisory workers on private nonfarm payrolls rose 0.2 hour to 34.7 hours in August, seasonally adjusted. This level, previously reached in May of this year, is more than half an hour higher than the low point reached at the end of the 1990-91 recession. The manufacturing workweek and overtime hours both rose as well to very high levels—41.5 and 4.2 hours, respectively. (See table C-5.)

The index of aggregate weekly hours of private production or nonsupervisory workers on nonfarm payrolls, at 124.9 (1982=100) in August, seasonally adjusted, was up 0.6 percent over the month. The manufacturing index was unchanged at 101.0, as the increase in the workweek offset the decline in employment. (See table C-6.)

### Hourly and weekly earnings

Average hourly earnings of private production or non-

supervisory workers on nonfarm payrolls increased 0.5 percent in August to \$10.87, seasonally adjusted, following 2 months of little change. Average weekly earnings for this same group of workers increased 1.0 percent to \$377.19. Prior to seasonal adjustment, both hourly and weekly earnings were up over the month, by 3 cents and \$5.36, respectively. Over the year, average hourly earnings increased by 2.3 percent and average weekly earnings by 3.2 percent. (See tables C-1 and C-7.)

### Planned Changes for the Household Survey Data

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 effects of both the new questions and the automated data collection procedures on the labor force estimates. Information as to the potential effects of these changes will be available in November; a comprehensive examination will be published in the February 1994 issue of *Employment and Earnings*.

The redesign will necessitate changes in the presentation of household survey data. Several new series will be created; others will no longer be published. Coincident with the introduction of the results of the redesign, several organizational changes will be implemented, effective with the February 1994 issue. These include expanded tables of contents and the addition of summary tables, charts, and a tabular index. Moreover, seasonally adjusted data will be presented before the not seasonally adjusted data, and the current B and C tables will be merged as B tables. It is anticipated that these changes will facilitate data location and make *Employment and Earnings* more "user friendly."

#### Scheduled Release Dates

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

<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
September	October 8	December	January 7
October	November 5	January	February 4
November	December 3	February	March 4

**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				
Annual averages												
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>1</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	2,236	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,869	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>1</sup>	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</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	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	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	189,886	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	
Monthly data, seasonally adjusted <sup>2</sup>												
<b>1992:</b>												
August	193,356	128,970	66.7	119,348	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	117,687	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	
March	194,456	128,926	66.3	120,062	1,497	118,565	3,082	115,483	8,864	6.9	65,530	
April	194,618	128,833	66.2	119,908	1,492	118,416	3,060	115,356	8,925	6.9	65,785	
May	194,767	129,615	66.5	120,757	1,484	119,273	3,070	116,203	8,858	6.8	65,152	
June	194,933	129,604	66.5	120,696	1,477	119,219	3,024	116,195	8,908	6.9	65,329	
July	195,104	129,541	66.4	120,772	1,471	119,301	3,039	116,262	8,769	6.8	65,563	
August	195,275	129,852	66.5	121,192	1,462	119,710	2,980	116,729	8,661	6.7	65,423	

<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	76.8	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	58,361	4,530	6.8	20,376
1987 .....	88,476	67,764	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692
1988 .....	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,760	3,655	5.3	20,930
1989 .....	90,283	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	70,588	75.9	65,209	1,404	63,605	2,534	61,270	5,380	7.6	22,356
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1992:</b>											
August .....	93,061	70,640	76.1	65,309	1,408	63,901	2,547	61,354	5,531	7.8	22,221
September .....	93,146	70,860	76.1	65,363	1,407	63,976	2,573	61,403	5,477	7.7	22,286
October .....	93,238	70,728	75.9	65,318	1,394	63,924	2,550	61,374	5,410	7.6	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	22,666
<b>1993:</b>											
January .....	93,488	70,473	75.4	65,544	1,358	64,186	2,534	61,651	4,929	7.0	23,015
February .....	93,563	70,690	75.6	65,693	1,355	64,338	2,521	61,817	4,997	7.1	22,873
March .....	93,646	70,635	75.6	65,674	1,342	64,332	2,434	61,899	5,160	7.3	22,811
April .....	93,731	70,773	75.5	65,694	1,338	64,356	2,462	61,893	5,079	7.2	22,958
May .....	93,809	71,047	75.7	66,058	1,330	64,726	2,450	62,276	4,992	7.0	22,762
June .....	93,898	71,082	75.7	66,006	1,323	64,683	2,398	62,288	5,075	7.1	22,814
July .....	93,966	71,056	75.6	65,999	1,317	64,682	2,381	62,301	5,057	7.1	22,930
August .....	94,076	71,259	75.7	66,265	1,327	64,938	2,321	62,618	4,994	7.0	22,817
<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	48,646	53.0	44,190	143	44,047	680	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	52,566	55.4	48,881	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 .....	98,918	54,904	56.6	51,858	162	51,696	676	51,020	3,046	5.5	42,014
1989 .....	97,798	56,198	57.5	53,195	168	53,027	687	52,341	3,003	5.3	41,801
1990 .....	96,564	58,719	57.5	53,644	165	53,479	679	52,800	3,075	5.4	41,645
1991 .....	98,378	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>											
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	57.8	53,907	159	53,748	648	53,100	4,073	7.0	42,387
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	669	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	596	53,518	3,879	6.7	42,585
March .....	100,809	58,091	57.6	54,388	155	54,233	649	53,584	3,704	6.4	42,718
April .....	100,887	58,061	57.6	54,214	154	54,060	598	53,462	3,846	6.6	42,626
May .....	100,959	58,567	58.0	54,701	154	54,547	620	53,927	3,866	6.6	42,392
June .....	101,037	58,522	57.9	54,689	154	54,535	628	53,908	3,833	6.5	42,515
July .....	101,119	58,485	57.8	54,772	154	54,618	658	53,960	3,712	6.3	42,634
August .....	101,199	58,594	57.9	54,927	155	54,772	659	54,113	3,667	6.3	42,605

<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	8.7	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	104,982	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>								
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	127,385	66.2	118,064	9,301	7.3	7.6	6.9
December .....	192,509	127,591	66.3	118,311	9,260	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
March .....	192,959	127,429	66.0	118,565	8,864	7.0	7.4	6.4
April .....	193,126	127,341	65.9	118,416	8,925	7.0	7.3	6.6
May .....	193,283	128,131	66.3	119,273	8,858	6.9	7.2	6.6
June .....	193,456	128,127	66.2	119,219	8,908	7.0	7.3	6.6
July .....	193,633	128,070	66.1	119,301	8,769	6.8	7.3	6.4
August .....	193,793	128,370	66.2	119,710	8,661	6.7	7.1	6.3

<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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 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>TOTAL</b>											
16 years and over .....	193,793	129,472	66.8	121,002	6,470	6.5	64,321	24,437	2,319	4,217	33,348
16 to 19 years .....	13,301	7,875	59.2	6,667	1,188	15.1	5,426	741	946	29	3,710
16 to 17 years .....	6,738	3,284	48.7	2,781	523	15.9	3,454	344	583	16	2,511
18 to 19 years .....	6,563	4,591	70.0	3,926	665	14.5	1,972	397	363	14	1,199
20 to 24 years .....	17,567	14,019	79.8	12,623	1,396	10.0	3,548	1,472	667	118	1,291
25 to 54 years .....	110,655	92,215	83.3	87,005	5,210	5.6	18,440	11,349	876	1,900	4,515
25 to 34 years .....	41,245	34,292	83.1	32,039	2,253	6.6	8,953	4,518	458	356	1,621
25 to 29 years .....	19,138	15,842	82.8	14,708	1,135	7.2	3,293	2,092	284	139	776
30 to 34 years .....	22,110	18,450	83.4	17,332	1,118	6.1	3,660	2,426	174	217	843
35 to 44 years .....	40,423	34,334	84.9	32,530	1,804	5.3	8,090	3,878	181	638	1,414
35 to 39 years .....	21,514	18,179	84.5	17,110	1,069	5.9	3,335	2,195	89	303	748
40 to 44 years .....	18,909	16,155	85.4	15,420	735	4.5	2,755	1,881	73	335	666
45 to 54 years .....	28,986	23,589	81.4	22,436	1,153	4.9	5,397	2,954	57	906	1,480
45 to 49 years .....	18,013	13,393	83.6	12,707	686	5.1	2,620	1,472	38	426	683
50 to 54 years .....	12,973	10,196	78.6	9,729	467	4.8	2,777	1,482	18	480	797
55 to 64 years .....	21,054	11,770	55.9	11,231	539	4.6	9,284	3,540	14	857	4,873
55 to 59 years .....	10,793	7,218	66.9	6,880	338	4.7	3,575	1,851	9	442	1,474
60 to 64 years .....	10,261	4,552	44.4	4,351	201	4.4	5,709	1,889	5	416	3,400
65 years and over .....	31,216	3,593	11.5	3,456	138	3.8	27,623	7,336	16	1,312	18,959
65 to 69 years .....	10,064	2,073	20.6	1,986	87	4.2	7,992	2,188	3	304	5,496
70 to 74 years .....	8,540	943	11.0	922	21	2.2	7,597	1,967	1	262	5,366
75 years and over .....	12,812	577	4.6	548	30	5.2	12,035	3,181	12	745	8,097
<b>Men</b>											
16 years and over .....	92,749	70,725	78.3	66,172	4,554	6.4	22,023	756	1,112	2,292	17,861
16 to 19 years .....	6,747	4,204	62.3	3,521	683	16.2	2,543	115	471	24	1,932
16 to 17 years .....	3,452	1,791	51.9	1,490	301	16.8	1,661	76	297	10	1,278
18 to 19 years .....	3,295	2,413	73.2	2,031	382	15.8	882	40	174	14	654
20 to 24 years .....	8,602	7,490	87.1	6,725	764	10.2	1,112	48	325	80	662
25 to 54 years .....	54,324	50,372	92.7	47,680	2,692	5.3	3,952	340	308	1,196	2,109
25 to 34 years .....	20,353	19,011	93.4	17,808	1,203	6.3	1,342	148	231	244	721
25 to 29 years .....	9,400	8,721	92.8	8,138	583	6.7	679	69	134	95	382
30 to 34 years .....	10,953	10,290	93.9	9,670	620	6.0	683	78	97	149	339
35 to 44 years .....	19,866	18,632	93.8	17,735	897	4.8	1,235	109	62	386	878
35 to 39 years .....	10,603	9,980	94.1	9,451	529	5.3	623	55	29	191	349
40 to 44 years .....	9,263	8,652	93.4	8,284	368	4.3	611	54	33	195	329
45 to 54 years .....	14,105	12,729	90.3	12,137	592	4.7	1,375	65	14	566	710
45 to 49 years .....	7,825	7,153	91.4	6,813	340	4.8	672	45	13	282	332
50 to 54 years .....	6,280	5,577	88.8	5,325	252	4.5	703	40	2	284	378
55 to 64 years .....	9,989	6,577	65.8	6,258	321	4.9	3,412	74	5	484	2,848
55 to 59 years .....	5,159	4,045	78.4	3,840	206	5.1	1,114	29	4	262	819
60 to 64 years .....	4,830	2,532	52.4	2,417	115	4.5	2,298	45	1	223	2,029
65 years and over .....	13,086	2,082	15.9	1,989	93	4.5	11,004	183	3	509	10,310
65 to 69 years .....	4,602	1,178	25.8	1,119	59	5.0	3,424	25	-	150	3,250
70 to 74 years .....	3,752	567	15.1	556	11	1.9	3,185	55	1	106	3,022
75 years and over .....	4,733	337	7.1	314	23	6.8	4,396	103	2	252	4,038
<b>Women</b>											
16 years and over .....	101,044	58,746	58.1	54,830	3,918	6.7	42,298	23,679	1,207	1,925	15,487
16 to 19 years .....	6,555	3,671	56.0	3,166	505	13.8	2,883	626	475	5	1,777
16 to 17 years .....	3,286	1,493	45.4	1,271	222	14.9	1,793	269	285	6	1,233
18 to 19 years .....	3,269	2,178	66.6	1,895	283	13.0	1,090	357	189	-	544
20 to 24 years .....	8,965	6,529	72.8	5,898	831	9.7	2,436	1,428	342	39	629
25 to 54 years .....	56,330	41,842	74.3	39,325	2,517	6.0	14,488	11,009	369	704	2,406
25 to 34 years .....	20,892	15,281	73.1	14,231	1,050	6.9	5,611	4,372	227	112	900
25 to 29 years .....	9,738	7,121	73.1	6,570	551	7.7	2,614	2,024	150	44	396
30 to 34 years .....	11,156	8,160	73.1	7,661	498	6.1	2,997	2,348	77	68	504
35 to 44 years .....	20,557	15,702	76.4	14,795	907	5.6	4,855	3,767	99	253	736
35 to 39 years .....	10,911	8,199	75.1	7,659	540	6.6	2,711	2,141	59	113	399
40 to 44 years .....	9,646	7,503	77.8	7,136	367	4.9	2,144	1,627	40	140	337
45 to 54 years .....	14,881	10,859	73.0	10,299	561	5.2	4,022	2,869	42	340	770
45 to 49 years .....	8,188	6,240	76.2	5,894	346	5.5	1,948	1,427	26	144	351
50 to 54 years .....	6,893	4,819	69.0	4,404	215	4.8	2,074	1,442	17	196	419
55 to 64 years .....	11,065	5,193	48.9	4,975	218	4.2	5,872	3,465	8	373	2,025
55 to 59 years .....	5,634	3,173	56.3	3,040	132	4.2	2,461	1,621	5	180	655
60 to 64 years .....	5,431	2,020	37.2	1,934	88	4.2	3,411	1,844	3	193	1,370
65 years and over .....	16,130	1,511	8.3	1,467	44	2.9	16,619	7,153	13	803	6,649
65 to 69 years .....	5,463	895	16.4	867	28	3.1	4,568	2,163	4	155	2,246
70 to 74 years .....	4,788	376	7.9	366	10	2.6	4,412	1,912	-	156	2,344
75 years and over .....	7,879	240	3.1	234	7	2.8	7,639	3,078	10	493	4,058

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	August 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>WHITE</b>											
16 years and over .....	184,074	110,517	67.4	104,205	6,311	5.7	53,557	20,520	1,539	3,122	28,376
16 to 19 years .....	10,596	6,682	63.1	5,814	868	13.0	3,913	461	624	18	2,791
16 to 17 years .....	5,358	2,842	53.0	2,442	400	14.1	2,517	219	392	10	1,896
18 to 19 years .....	5,237	3,840	73.3	3,372	468	12.2	1,397	262	232	8	895
20 to 24 years .....	14,251	11,756	82.5	10,790	966	8.2	2,495	1,097	425	76	896
25 to 54 years .....	93,213	78,576	84.3	74,838	3,938	5.0	14,637	9,272	471	1,367	3,527
25 to 34 years .....	34,219	28,982	84.4	27,266	1,618	5.6	5,337	3,563	300	228	1,247
25 to 29 years .....	15,760	13,322	84.5	12,509	812	6.1	2,439	1,609	174	71	583
30 to 34 years .....	18,459	15,560	84.3	14,757	803	5.2	2,899	1,953	126	156	663
35 to 44 years .....	34,139	29,189	85.5	27,808	1,381	4.7	4,950	3,221	127	476	1,126
35 to 39 years .....	18,061	15,353	85.0	14,549	804	5.2	2,708	1,811	72	231	593
40 to 44 years .....	16,078	13,838	86.1	13,259	577	4.2	2,242	1,410	55	245	532
45 to 54 years .....	24,855	20,505	82.5	19,564	941	4.6	4,350	2,489	44	683	1,154
45 to 49 years .....	13,759	11,660	84.7	11,098	563	4.8	2,099	1,221	30	304	543
50 to 54 years .....	11,096	8,944	79.7	8,466	379	4.3	2,251	1,267	14	359	611
55 to 64 years .....	18,159	10,264	56.5	9,832	432	4.2	7,896	3,056	11	637	4,190
55 to 59 years .....	9,265	6,264	67.6	5,999	265	4.2	3,001	1,441	6	320	1,235
60 to 64 years .....	8,895	4,000	45.0	3,834	167	4.2	4,894	1,617	5	317	2,955
65 years and over .....	27,855	3,239	11.6	3,130	109	3.4	24,616	6,612	8	1,024	16,972
65 to 69 years .....	8,870	1,854	20.9	1,790	84	3.5	7,016	1,950	-	232	4,834
70 to 74 years .....	7,900	858	11.3	840	18	2.1	6,742	1,774	1	193	4,773
75 years and over .....	11,385	527	4.6	500	27	5.1	10,858	2,887	7	598	7,365
<b>Men</b>											
16 years and over .....	79,165	61,003	77.1	57,581	3,422	5.6	18,162	498	742	1,709	15,212
16 to 19 years .....	5,380	3,564	66.2	3,057	507	14.2	1,816	84	308	15	1,428
16 to 17 years .....	2,747	1,548	56.4	1,318	232	15.0	1,198	44	193	7	955
18 to 19 years .....	2,634	2,016	76.6	1,741	275	13.6	617	20	115	9	473
20 to 24 years .....	7,032	6,281	89.3	5,751	530	8.4	751	19	215	44	473
25 to 54 years .....	46,328	43,471	93.8	41,406	2,065	4.8	2,857	214	211	860	1,572
25 to 34 years .....	17,094	16,182	94.7	15,300	882	5.5	912	84	155	161	512
25 to 29 years .....	7,851	7,417	94.5	6,989	428	5.8	434	35	86	47	266
30 to 34 years .....	9,243	8,765	94.8	8,311	454	5.2	478	50	69	114	246
35 to 44 years .....	17,016	16,099	94.6	15,390	709	4.4	917	69	51	281	516
35 to 39 years .....	9,033	8,578	95.0	8,167	411	4.8	455	30	24	141	260
40 to 44 years .....	7,983	7,521	94.2	7,223	298	4.0	462	39	27	140	256
45 to 54 years .....	12,218	11,191	91.6	10,717	474	4.2	1,028	61	5	418	544
45 to 49 years .....	6,786	6,299	92.8	6,027	273	4.3	486	28	5	198	255
50 to 54 years .....	5,432	4,891	90.0	4,690	201	4.1	541	33	-	220	289
55 to 64 years .....	8,692	5,783	66.5	5,534	249	4.3	2,909	59	5	383	2,462
55 to 59 years .....	4,489	3,542	79.2	3,377	164	4.6	928	24	4	205	695
60 to 64 years .....	4,223	2,241	53.1	2,158	85	3.8	1,981	35	1	176	1,767
65 years and over .....	11,733	1,903	16.2	1,833	70	3.7	9,829	142	3	408	9,277
65 to 69 years .....	4,067	1,067	26.3	1,027	41	3.8	2,999	21	-	120	2,859
70 to 74 years .....	3,365	525	15.6	516	9	1.7	2,840	43	1	84	2,712
75 years and over .....	4,301	311	7.2	290	21	6.6	3,990	78	2	204	3,706
<b>Women</b>											
16 years and over .....	84,909	49,514	58.3	46,624	2,889	5.8	35,395	20,022	797	1,413	13,163
16 to 19 years .....	5,215	3,118	59.8	2,757	361	11.6	2,098	417	315	2	1,363
16 to 17 years .....	2,612	1,293	49.5	1,126	167	12.9	1,318	175	199	3	942
18 to 19 years .....	2,604	1,824	70.1	1,631	193	10.6	779	242	117	-	422
20 to 24 years .....	7,218	5,474	75.8	5,039	435	7.9	1,744	1,078	211	33	422
25 to 54 years .....	46,885	35,104	74.9	33,232	1,873	5.3	11,780	9,059	260	507	1,954
25 to 34 years .....	17,125	12,700	74.2	11,966	734	5.8	4,425	3,478	145	67	735
25 to 29 years .....	7,909	5,905	74.7	5,520	385	6.5	2,004	1,574	88	25	317
30 to 34 years .....	9,216	6,795	73.7	6,446	349	5.1	2,421	1,904	57	42	418
35 to 44 years .....	17,123	13,090	76.4	12,419	672	5.1	4,033	3,152	76	195	609
35 to 39 years .....	9,028	6,775	75.0	6,383	393	5.8	2,252	1,781	48	91	333
40 to 44 years .....	8,095	6,315	78.0	6,036	279	4.4	1,780	1,371	28	105	276
45 to 54 years .....	12,637	9,314	73.7	8,847	468	5.0	3,323	2,428	40	245	610
45 to 49 years .....	8,973	5,381	78.9	5,071	290	5.4	1,812	1,193	25	106	288
50 to 54 years .....	5,664	3,953	69.8	3,776	178	4.5	1,710	1,235	15	139	322
55 to 64 years .....	9,488	4,461	47.3	4,299	182	4.1	4,966	2,999	6	254	1,728
55 to 59 years .....	4,798	2,722	56.8	2,621	101	3.7	2,074	1,416	2	115	540
60 to 64 years .....	4,672	1,759	37.7	1,677	82	4.6	2,913	1,582	4	139	1,187
65 years and over .....	16,122	1,336	8.3	1,297	39	2.9	14,786	6,469	5	616	7,896
65 to 69 years .....	4,803	786	16.4	763	24	3.0	4,017	1,929	-	112	1,975
70 to 74 years .....	4,235	333	7.9	324	9	2.6	3,902	1,731	-	109	2,061
75 years and over .....	7,084	217	3.1	210	6	2.9	6,868	2,809	5	394	3,660

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

(Numbers in thousands)

Age, sex, and race	August 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 .....	22,375	14,201	63.5	12,467	1,734	12.2	8,174	2,834	482	954	3,904
16 to 19 years .....	2,100	924	44.0	669	255	27.6	1,176	221	240	9	707
16 to 17 years .....	1,080	340	31.5	241	100	29.3	739	105	138	4	492
18 to 19 years .....	1,020	583	57.2	428	155	26.6	437	116	101	4	215
20 to 24 years .....	2,489	1,742	70.0	1,368	374	21.5	747	295	137	32	282
25 to 54 years .....	12,923	10,148	78.5	9,140	1,006	9.9	2,777	1,448	100	455	774
25 to 34 years .....	5,319	4,144	77.9	3,604	540	13.0	1,175	709	73	114	280
25 to 29 years .....	2,562	1,931	75.4	1,663	269	13.9	631	359	52	63	157
30 to 34 years .....	2,757	2,212	80.2	1,941	271	12.3	545	350	21	51	124
35 to 44 years .....	4,637	3,604	82.0	3,487	317	8.3	833	431	20	142	239
35 to 39 years .....	2,542	2,101	82.6	1,903	197	9.4	442	245	8	63	125
40 to 44 years .....	2,095	1,704	81.3	1,584	120	7.0	391	187	12	79	114
45 to 54 years .....	2,966	2,198	74.1	2,049	148	6.8	769	308	7	200	254
45 to 49 years .....	1,802	1,234	77.0	1,147	87	7.1	368	156	6	98	108
50 to 54 years .....	1,364	964	70.8	902	81	6.4	401	152	1	102	148
55 to 64 years .....	2,168	1,114	50.9	1,034	60	7.2	1,074	325	1	194	555
55 to 59 years .....	1,159	709	61.2	648	61	8.6	450	145	1	105	199
60 to 64 years .....	1,029	404	39.3	385	19	4.7	624	180	-	69	355
65 years and over .....	2,676	276	10.3	258	20	7.2	2,400	545	5	264	1,587
65 to 69 years .....	922	166	18.1	149	17	10.4	755	159	-	64	532
70 to 74 years .....	765	68	8.8	66	2	( <sup>1</sup> )	697	156	-	65	476
75 years and over .....	990	42	4.2	41	1	( <sup>1</sup> )	948	230	5	134	579
<b>Men</b>											
16 years and over .....	10,101	7,096	70.3	6,205	692	12.6	3,005	233	224	495	2,052
16 to 19 years .....	1,047	493	47.1	355	138	28.1	554	50	120	7	377
16 to 17 years .....	548	183	33.5	127	56	30.6	363	30	72	3	258
18 to 19 years .....	501	310	61.9	228	82	26.6	191	20	48	4	119
20 to 24 years .....	1,156	899	77.8	701	199	22.1	257	23	66	29	138
25 to 54 years .....	5,829	4,998	85.7	4,505	493	9.9	832	109	38	275	411
25 to 34 years .....	2,423	2,120	87.5	1,852	268	12.6	303	57	26	71	150
25 to 29 years .....	1,169	981	83.9	856	125	12.8	188	30	18	43	96
30 to 34 years .....	1,254	1,139	90.8	996	143	12.5	115	27	8	27	53
35 to 44 years .....	2,086	1,830	87.7	1,685	145	7.9	257	33	6	89	128
35 to 39 years .....	1,148	1,012	88.2	926	68	8.5	138	21	2	44	68
40 to 44 years .....	939	816	87.1	758	59	7.2	121	12	4	46	60
45 to 54 years .....	1,320	1,048	79.4	968	60	7.6	272	18	6	115	133
45 to 49 years .....	711	570	80.1	522	48	8.4	141	12	4	61	64
50 to 54 years .....	609	478	78.8	446	32	6.7	130	7	1	53	69
55 to 64 years .....	981	574	58.5	527	46	8.1	407	11	-	92	304
55 to 59 years .....	525	368	70.1	336	32	8.6	157	4	-	51	102
60 to 64 years .....	456	206	45.1	191	15	7.2	250	7	-	41	202
65 years and over .....	1,088	133	12.2	118	15	11.4	955	41	-	92	823
65 to 69 years .....	429	80	18.6	67	13	16.6	349	4	-	27	319
70 to 74 years .....	309	32	10.2	30	2	( <sup>1</sup> )	277	12	-	20	246
75 years and over .....	350	22	6.2	22	-	( <sup>1</sup> )	329	25	-	45	258
<b>Women</b>											
16 years and over .....	12,274	7,105	57.9	6,263	842	11.9	5,169	2,602	258	458	1,851
16 to 19 years .....	1,053	431	40.9	314	116	27.0	622	171	119	1	330
16 to 17 years .....	534	157	29.5	114	44	27.7	376	75	66	1	234
18 to 19 years .....	519	273	52.6	201	73	26.6	248	97	53	-	96
20 to 24 years .....	1,333	843	63.2	667	176	20.8	490	272	71	3	144
25 to 54 years .....	7,093	5,148	72.6	4,636	512	10.0	1,945	1,339	62	181	363
25 to 34 years .....	2,896	2,024	69.9	1,752	272	13.4	872	652	47	43	131
25 to 29 years .....	1,393	950	68.2	807	143	15.1	443	329	34	19	60
30 to 34 years .....	1,503	1,074	71.4	945	129	12.0	429	323	13	24	70
35 to 44 years .....	2,550	1,975	77.4	1,802	172	8.7	576	398	14	52	111
35 to 39 years .....	1,394	1,089	78.1	977	112	10.2	306	223	5	20	57
40 to 44 years .....	1,156	886	76.6	825	61	6.8	270	175	9	33	54
45 to 54 years .....	1,647	1,150	69.8	1,081	69	6.0	497	290	1	85	121
45 to 49 years .....	891	664	74.5	625	40	6.0	227	145	1	37	44
50 to 54 years .....	756	485	64.2	456	29	6.0	270	145	-	49	77
55 to 64 years .....	1,207	540	44.7	507	33	6.2	687	314	-	102	251
55 to 59 years .....	634	341	53.8	312	29	8.5	293	141	1	54	97
60 to 64 years .....	573	199	34.7	195	4	2.1	374	173	-	48	153
65 years and over .....	1,586	143	9.0	138	5	3.2	1,445	504	5	172	764
65 to 69 years .....	493	87	17.6	83	4	4.7	406	156	-	38	213
70 to 74 years .....	456	38	7.9	36	-	( <sup>1</sup> )	420	144	-	46	230
75 years and over .....	640	20	3.2	20	1	( <sup>1</sup> )	619	205	5	69	321

<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	August 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 .....	29,719	18,955	63.8	18,796	217	16,580	2,159	11.4	10,764
16 to 19 years .....	2,706	1,193	44.1	873	23	850	320	26.8	1,513
16 to 17 years .....	1,380	443	32.1	319	12	307	123	27.8	937
18 to 19 years .....	1,328	751	56.8	554	11	543	197	26.2	575
20 to 24 years .....	3,318	2,263	68.2	1,832	20	1,813	430	19.0	1,053
25 to 54 years .....	17,442	13,639	78.2	12,367	127	12,240	1,272	9.3	3,803
25 to 34 years .....	7,028	5,411	77.0	4,773	54	4,720	637	11.8	1,616
25 to 29 years .....	3,375	2,521	74.7	2,198	27	2,172	322	12.8	855
30 to 34 years .....	3,651	2,890	79.2	2,575	27	2,548	315	10.9	761
35 to 44 years .....	6,284	5,144	81.9	4,722	51	4,671	423	8.2	1,140
35 to 39 years .....	3,453	2,826	81.8	2,581	34	2,526	265	9.4	627
40 to 44 years .....	2,832	2,319	81.9	2,161	17	2,144	158	6.8	513
45 to 54 years .....	4,131	3,084	74.7	2,872	23	2,849	212	8.9	1,047
45 to 49 years .....	2,254	1,733	78.9	1,609	8	1,601	124	7.1	521
50 to 54 years .....	1,877	1,351	72.0	1,263	15	1,249	68	6.5	526
55 to 64 years .....	2,894	1,506	52.0	1,399	29	1,370	107	7.1	1,388
55 to 59 years .....	1,528	954	62.5	881	18	863	73	7.7	574
60 to 64 years .....	1,366	551	40.4	517	11	506	34	6.2	814
65 years and over .....	3,361	354	10.5	325	17	308	29	8.1	3,007
65 to 69 years .....	1,194	219	18.3	196	11	185	23	10.3	978
70 to 74 years .....	940	85	9.1	82	4	78	3	3.7	855
75 years and over .....	1,227	50	4.1	47	2	45	3	( <sup>1</sup> )	1,177
<b>Men</b>									
16 years and over .....	13,584	9,723	71.8	8,591	194	8,397	1,132	11.6	3,861
16 to 19 years .....	1,367	640	46.8	464	18	447	175	27.4	727
16 to 17 years .....	706	243	34.5	174	7	168	89	28.2	462
18 to 19 years .....	661	397	60.0	290	11	279	107	26.9	264
20 to 24 years .....	1,570	1,208	77.0	974	19	955	234	19.4	361
25 to 54 years .....	7,996	6,901	86.3	6,274	115	6,159	627	9.1	1,095
25 to 34 years .....	3,259	2,829	86.8	2,508	52	2,456	321	11.4	430
25 to 29 years .....	1,549	1,304	84.2	1,149	26	1,123	155	11.9	245
30 to 34 years .....	1,710	1,525	89.2	1,359	26	1,333	168	10.9	185
35 to 44 years .....	2,850	2,533	88.9	2,345	44	2,302	187	7.4	317
35 to 39 years .....	1,570	1,402	89.3	1,284	27	1,258	117	8.4	168
40 to 44 years .....	1,280	1,131	88.3	1,061	17	1,044	70	8.2	149
45 to 54 years .....	1,886	1,539	81.8	1,420	20	1,401	119	7.7	348
45 to 49 years .....	1,039	853	82.2	786	7	779	68	7.9	185
50 to 54 years .....	848	685	80.9	634	12	622	51	7.5	162
55 to 64 years .....	1,297	795	61.3	723	27	696	72	9.0	503
55 to 59 years .....	890	504	56.6	462	17	445	42	6.3	186
60 to 64 years .....	607	291	47.9	260	9	251	30	10.4	317
65 years and over .....	1,354	179	13.2	158	15	141	23	12.9	1,175
65 to 69 years .....	535	111	20.7	92	10	82	19	18.7	424
70 to 74 years .....	388	42	10.8	40	3	37	2	( <sup>1</sup> )	344
75 years and over .....	432	26	6.1	24	2	22	3	( <sup>1</sup> )	406
<b>Women</b>									
16 years and over .....	18,138	9,232	51.5	8,208	23	8,182	1,027	11.1	6,803
16 to 19 years .....	1,339	553	41.3	409	5	403	145	26.1	786
16 to 17 years .....	874	199	22.8	145	5	139	55	27.4	475
18 to 19 years .....	685	354	51.7	264	-	264	90	25.5	311
20 to 24 years .....	1,746	1,054	60.4	858	1	857	196	18.8	692
25 to 54 years .....	9,446	6,738	71.3	6,093	13	6,081	645	9.6	2,706
25 to 34 years .....	3,767	2,581	68.5	2,265	2	2,263	318	12.2	1,186
25 to 29 years .....	1,826	1,217	66.8	1,050	1	1,049	167	13.7	610
30 to 34 years .....	1,941	1,365	70.3	1,215	1	1,214	149	10.9	576
35 to 44 years .....	3,434	2,812	81.9	2,378	7	2,369	235	9.0	823
35 to 39 years .....	1,883	1,424	75.6	1,278	7	1,269	148	10.4	459
40 to 44 years .....	1,551	1,188	76.6	1,100	-	1,100	88	7.4	364
45 to 54 years .....	2,245	1,545	68.8	1,452	4	1,448	93	6.0	700
45 to 49 years .....	1,215	879	72.4	823	1	822	56	6.4	336
50 to 54 years .....	1,030	666	64.7	629	2	627	37	5.5	364
55 to 64 years .....	1,597	711	44.5	678	2	674	36	5.0	886
55 to 59 years .....	838	451	53.7	419	1	418	31	7.0	388
60 to 64 years .....	759	261	34.4	257	1	256	4	1.8	496
65 years and over .....	2,008	175	8.7	170	2	167	6	3.3	1,832
65 to 69 years .....	659	108	16.4	104	1	103	4	3.8	551
70 to 74 years .....	554	43	7.8	42	1	41	1	( <sup>1</sup> )	510
75 years and over .....	795	24	3.0	23	-	23	1	( <sup>1</sup> )	771

<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	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
<b>TOTAL</b>								
Civilian noninstitutional population .....	191,790	193,793	85,010	86,002	93,635	94,490	13,145	13,301
Civilian labor force .....	128,473	129,472	66,046	66,521	54,625	55,075	7,801	7,875
Percent of population .....	67.0	66.8	77.7	77.3	58.3	58.3	59.3	59.2
Employed .....	119,082	121,002	61,748	62,650	50,818	51,664	6,517	6,687
Agriculture .....	3,561	3,295	2,539	2,324	655	659	367	312
Nonagricultural industries .....	115,522	117,707	59,209	60,326	50,163	51,005	6,150	6,376
Unemployed .....	9,390	8,470	4,298	3,871	3,807	3,411	1,285	1,188
Unemployment rate .....	7.3	6.5	6.5	5.8	7.0	6.2	16.5	15.1
Not in labor force .....	63,317	64,321	18,964	19,480	39,010	39,415	5,344	5,426
<b>White</b>								
Civilian noninstitutional population .....	162,791	164,074	73,115	73,785	79,193	79,693	10,483	10,596
Civilian labor force .....	109,497	110,517	57,093	57,438	45,850	46,396	6,554	6,682
Percent of population .....	67.3	67.4	78.1	77.8	57.9	58.2	62.5	63.1
Employed .....	102,501	104,205	53,831	54,524	43,025	43,867	5,646	5,814
Agriculture .....	3,275	3,078	2,309	2,148	623	641	343	288
Nonagricultural industries .....	99,226	101,127	51,522	52,376	42,402	43,226	5,303	5,526
Unemployed .....	6,996	6,311	3,263	2,915	2,825	2,529	908	868
Unemployment rate .....	6.4	5.7	5.7	5.1	6.2	5.5	13.9	13.0
Not in labor force .....	53,294	53,557	16,021	16,346	33,343	33,297	3,929	3,913
<b>Black</b>								
Civilian noninstitutional population .....	21,997	22,375	8,877	9,054	11,047	11,221	2,072	2,100
Civilian labor force .....	14,302	14,201	6,549	6,603	6,791	6,674	962	924
Percent of population .....	65.0	63.5	73.8	72.9	61.5	59.5	46.4	44.0
Employed .....	12,307	12,467	5,701	5,850	5,958	5,948	647	669
Agriculture .....	191	144	159	119	14	11	18	13
Nonagricultural industries .....	12,116	12,324	5,542	5,731	5,945	5,937	629	656
Unemployed .....	1,995	1,734	848	753	833	726	315	255
Unemployment rate .....	14.0	12.2	12.9	11.4	12.3	10.9	32.7	27.6
Not in labor force .....	7,694	8,174	2,328	2,451	4,256	4,547	1,110	1,176

**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	August 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 ENROLLED</b>										
Total, 16 to 24 years .....	3,714	2,057	55.4	1,805	767	1,039	252	93	159	12.2
16 to 19 years .....	1,799	881	49.0	755	248	507	127	28	99	14.4
20 to 24 years .....	1,915	1,176	61.4	1,051	519	532	125	65	60	10.6
High school .....	1,007	388	38.5	322	69	253	66	21	45	17.0
College .....	2,707	1,669	61.7	1,484	698	786	186	72	114	11.1
Full-time students .....	2,052	1,132	55.2	1,012	415	597	119	36	83	10.6
Part-time students .....	655	538	82.0	471	283	188	66	36	30	12.3
Men, 16 to 24 years .....	1,704	934	54.8	821	365	456	113	43	70	12.1
16 to 19 years .....	842	401	47.6	345	106	239	56	6	49	14.0
20 to 24 years .....	861	533	61.9	477	260	217	57	35	21	10.6
High school .....	490	199	40.7	175	41	134	24	5	20	12.3
College .....	1,214	735	60.5	646	324	322	88	38	50	12.0
Full-time students .....	959	513	53.5	449	193	256	64	17	48	12.4
Part-time students .....	255	222	67.1	197	130	67	25	21	4	11.2
Women, 16 to 24 years .....	2,010	1,123	55.9	984	402	582	139	50	89	12.4
16 to 19 years .....	957	480	50.2	410	142	268	70	20	50	14.7
20 to 24 years .....	1,053	643	61.1	574	260	315	69	30	39	10.7
High school .....	517	189	36.5	147	28	119	42	16	25	22.1
College .....	1,493	935	62.6	837	374	463	97	34	84	10.4
Full-time students .....	1,093	619	56.6	563	222	342	56	19	37	9.0
Part-time students .....	400	316	78.8	274	152	122	42	15	26	13.2
<b>White</b>										
Total, 16 to 24 years .....	2,815	1,738	61.8	1,547	665	881	192	74	118	11.0
16 to 19 years .....	1,340	743	55.5	633	209	424	110	27	83	14.8
20 to 24 years .....	1,475	995	67.4	913	457	457	82	47	35	8.2
Men .....	1,318	808	61.3	712	322	391	95	31	84	11.8
Women .....	1,497	931	62.2	834	343	491	97	43	54	10.4
High school .....	689	304	44.1	243	46	197	61	20	41	19.9
College .....	2,126	1,434	67.5	1,303	619	684	131	55	77	9.2
Full-time students .....	1,569	990	62.3	902	382	520	87	23	64	8.8
Part-time students .....	537	445	82.8	401	237	184	44	32	12	9.9
<b>Black</b>										
Total, 16 to 24 years .....	588	213	38.3	166	71	97	45	20	25	21.0
16 to 19 years .....	322	101	31.4	91	32	58	10	1	10	10.2
20 to 24 years .....	265	112	42.2	77	39	38	34	19	16	30.9
Men .....	239	70	29.2	57	21	36	13	12	1	(?)
Women .....	347	143	41.1	111	51	60	32	8	24	22.4
High school .....	233	65	28.0	59	20	39	6	1	5	(?)
College .....	354	148	41.7	109	51	58	39	19	20	26.4
Full-time students .....	279	84	30.1	65	20	45	19	14	5	22.7
Part-time students .....	75	64	85.3	44	31	13	20	5	15	(?)
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	402	183	45.7	148	49	97	37	14	24	20.4
16 to 19 years .....	237	97	40.9	73	8	65	24	7	18	25.2
20 to 24 years .....	165	87	52.5	74	41	32	13	7	6	15.0
Men .....	193	108	56.1	84	29	55	24	6	18	22.4
Women .....	209	75	36.0	62	20	42	13	8	6	17.4
High school .....	186	83	33.6	48	2	46	15	4	11	23.7
College .....	216	121	56.1	98	47	51	23	10	13	18.7
Full-time students .....	144	72	49.8	59	24	35	13	3	10	(?)
Part-time students .....	71	49	(?)	39	23	18	10	7	3	(?)

See footnotes at end of table.



**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—Continued**

(Numbers in thousands)

Enrollment status, educational attainment, race, and Hispanic origin	August 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 NOT ENROLLED</b>										
Total, 16 to 24 years .....	27,154	19,837	73.1	17,505	12,223	5,282	2,332	1,681	651	11.8
16 to 19 years .....	11,502	8,994	60.8	5,933	2,702	3,231	1,061	590	471	15.2
20 to 24 years .....	15,652	12,842	82.1	11,572	9,521	2,051	1,271	1,091	180	9.9
Less than a high school diploma .....	9,644	5,358	55.6	4,357	2,084	2,273	1,001	606	392	18.7
High school graduates, no college .....	6,373	6,862	79.6	5,893	4,487	1,408	769	638	131	11.6
Less than a bachelor's degree .....	7,304	6,105	63.6	5,666	4,279	1,387	439	321	116	7.2
College graduates .....	1,833	1,712	93.4	1,589	1,373	216	123	113	10	7.2
<b>Men, 16 to 24 years .....</b>	<b>13,645</b>	<b>10,760</b>	<b>78.9</b>	<b>9,425</b>	<b>6,964</b>	<b>2,462</b>	<b>1,334</b>	<b>1,005</b>	<b>330</b>	<b>12.4</b>
16 to 19 years .....	5,905	3,803	64.4	3,177	1,626	1,550	626	360	267	16.5
20 to 24 years .....	7,741	6,957	89.9	6,249	5,337	911	708	645	63	10.2
Less than a high school diploma .....	5,131	3,283	64.0	2,662	1,472	1,190	621	398	223	18.9
High school graduates, no college .....	4,197	3,672	87.5	3,256	2,688	568	417	370	46	11.3
Less than a bachelor's degree .....	3,490	3,026	86.7	2,792	2,180	613	234	180	54	7.7
College graduates .....	827	778	94.1	716	624	91	63	56	7	6.1
<b>Women, 16 to 24 years .....</b>	<b>13,509</b>	<b>9,077</b>	<b>67.2</b>	<b>8,079</b>	<b>5,259</b>	<b>2,820</b>	<b>997</b>	<b>676</b>	<b>321</b>	<b>11.0</b>
16 to 19 years .....	5,597	3,191	57.0	2,756	1,076	1,680	435	231	204	13.6
20 to 24 years .....	7,911	5,886	74.4	5,323	4,183	1,140	563	446	117	9.6
Less than a high school diploma .....	4,514	2,075	46.0	1,895	612	1,083	390	210	170	16.3
High school graduates, no college .....	4,176	2,990	71.6	2,637	1,799	838	353	268	85	11.8
Less than a bachelor's degree .....	3,813	3,079	80.7	2,674	2,100	774	205	141	63	8.7
College graduates .....	1,006	933	92.8	873	749	125	80	57	3	6.4
<b>White</b>										
Total, 16 to 24 years .....	22,031	16,699	75.8	15,058	10,557	4,501	1,641	1,142	499	9.8
16 to 19 years .....	9,256	5,939	64.2	5,181	2,366	2,616	757	403	355	12.8
20 to 24 years .....	12,775	10,761	84.2	9,877	8,191	1,686	884	739	145	8.2
Men .....	11,094	9,038	81.5	8,095	6,036	2,059	943	673	269	10.4
Women .....	10,937	7,661	70.0	6,963	4,521	2,442	699	469	230	9.1
Less than a high school diploma .....	7,583	4,465	58.9	3,767	1,780	1,987	699	408	291	15.6
High school graduates, no college .....	6,713	5,502	82.0	4,968	3,823	1,145	534	427	107	9.7
Less than a bachelor's degree .....	6,105	5,205	85.3	4,907	3,726	1,179	298	206	92	5.7
College graduates .....	1,831	1,527	93.6	1,417	1,226	191	111	102	9	7.2
<b>Black</b>										
Total, 16 to 24 years .....	4,002	2,453	61.3	1,869	1,275	594	584	461	123	23.8
16 to 19 years .....	1,778	823	46.3	578	252	326	244	154	90	29.7
20 to 24 years .....	2,224	1,631	73.3	1,291	1,023	268	340	306	33	20.8
Men .....	1,964	1,322	67.3	998	690	308	324	280	44	24.5
Women .....	2,038	1,131	55.5	871	585	286	260	180	79	23.0
Less than a high school diploma .....	1,630	680	40.5	403	195	208	257	175	82	38.9
High school graduates, no college .....	1,354	974	71.9	769	534	235	206	183	22	21.1
Less than a bachelor's degree .....	902	706	78.3	593	453	139	113	95	19	16.1
College graduates .....	116	113	97.3	105	92	13	8	7	1	7.1
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	3,181	2,003	63.0	1,708	1,249	459	295	227	68	14.7
16 to 19 years .....	1,287	615	47.7	493	246	247	121	79	43	19.8
20 to 24 years .....	1,894	1,388	73.3	1,215	1,003	211	173	148	25	12.5
Men .....	1,620	1,256	77.5	1,083	852	230	173	127	46	13.8
Women .....	1,561	747	47.8	625	397	228	122	99	22	16.3
Less than a high school diploma .....	1,698	909	53.6	728	501	227	181	138	43	19.9
High school graduates, no college .....	880	609	69.2	535	405	130	74	62	12	12.2
Less than a bachelor's degree .....	540	428	79.2	394	302	92	35	22	12	8.1
College graduates .....	63	56	( <sup>2</sup> )	51	41	10	5	5	-	( <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							
	Aug. 1992	Aug. 1993	Total		Employed		Unemployed			
			Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Number		Percent of labor force	
							Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,869	7,916	7,137	7,036	6,744	6,733	393	304	5.5	4.3
35 to 49 years .....	6,224	5,886	5,900	5,482	5,586	5,238	314	244	5.3	4.4
35 to 39 years .....	908	703	866	640	813	582	53	58	6.2	9.1
40 to 44 years .....	2,827	2,225	2,494	2,080	2,363	1,998	131	83	5.3	4.0
45 to 49 years .....	2,689	2,958	2,540	2,762	2,411	2,659	129	103	5.1	3.7
50 years and over .....	1,645	2,030	1,236	1,555	1,157	1,495	79	60	6.4	3.9
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	19,542	20,503	18,208	19,091	17,221	18,167	986	925	5.4	4.8
35 to 39 years .....	8,811	9,059	8,315	8,554	7,805	8,134	510	420	6.1	4.9
40 to 44 years .....	6,282	6,818	5,838	6,373	5,567	6,096	270	277	4.6	4.3
45 to 49 years .....	4,469	4,826	4,056	4,185	3,849	3,937	207	228	5.1	5.5

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	August 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 .....	101,380	99,371	2,009	19,822	14,955	4,666	6,997	1,473
16 to 19 years .....	2,950	2,822	128	3,737	2,732	1,005	618	570
16 to 17 years .....	763	720	43	1,999	1,547	452	158	364
18 to 19 years .....	2,188	2,102	85	1,738	1,185	554	460	205
20 years and over .....	98,430	96,549	1,881	15,884	12,223	3,661	6,379	903
20 to 24 years .....	10,040	9,749	291	2,583	1,727	856	1,156	240
25 years and over .....	88,390	86,800	1,590	13,301	10,496	2,805	5,223	663
25 to 54 years .....	77,448	76,096	1,352	9,557	7,200	2,357	4,681	528
55 years and over .....	10,942	10,704	238	3,745	3,296	448	542	135
<b>Men, 16 years and over</b> .....	<b>59,557</b>	<b>58,381</b>	<b>1,176</b>	<b>6,615</b>	<b>4,454</b>	<b>2,180</b>	<b>3,980</b>	<b>573</b>
16 to 19 years .....	1,732	1,664	68	1,789	1,263	506	367	316
20 years and over .....	57,825	56,717	1,108	4,825	3,171	1,654	3,613	258
20 to 24 years .....	5,597	5,438	159	1,128	706	422	680	84
25 years and over .....	52,228	51,279	949	3,697	2,465	1,232	2,933	174
25 to 54 years .....	45,516	44,709	808	2,164	1,135	1,028	2,583	109
55 years and over .....	6,712	6,570	142	1,533	1,329	204	350	64
<b>Women, 16 years and over</b> .....	<b>41,823</b>	<b>40,990</b>	<b>833</b>	<b>13,007</b>	<b>10,501</b>	<b>2,506</b>	<b>3,017</b>	<b>899</b>
16 to 19 years .....	1,218	1,158	60	1,948	1,449	499	251	254
20 years and over .....	40,605	39,832	773	11,059	9,052	2,007	2,766	645
20 to 24 years .....	4,443	4,311	132	1,454	1,021	433	476	155
25 years and over .....	36,162	35,521	641	9,605	8,031	1,573	2,290	490
25 to 54 years .....	31,932	31,387	545	7,393	6,064	1,329	2,098	419
55 years and over .....	4,230	4,134	96	2,212	1,967	244	192	71
<b>White</b>								
<b>Men, 16 years and over</b> .....	<b>51,982</b>	<b>50,997</b>	<b>985</b>	<b>5,598</b>	<b>3,900</b>	<b>1,698</b>	<b>2,948</b>	<b>474</b>
16 to 19 years .....	1,512	1,457	56	1,545	1,128	417	250	258
20 years and over .....	50,470	49,541	929	4,054	2,772	1,281	2,699	216
20 to 24 years .....	4,846	4,705	141	905	570	336	455	76
25 years and over .....	45,624	44,836	788	3,149	2,203	946	2,244	140
25 to 54 years .....	39,661	38,997	664	1,746	971	774	1,968	96
55 years and over .....	5,963	5,839	125	1,403	1,232	171	275	44
<b>Women, 16 years and over</b> .....	<b>35,091</b>	<b>34,424</b>	<b>667</b>	<b>11,533</b>	<b>9,453</b>	<b>2,080</b>	<b>2,197</b>	<b>692</b>
16 to 19 years .....	1,062	1,010	51	1,695	1,277	418	180	180
20 years and over .....	34,029	33,414	615	9,838	8,176	1,662	2,017	512
20 to 24 years .....	3,802	3,696	106	1,237	875	363	332	104
25 years and over .....	30,227	29,718	509	8,601	7,302	1,299	1,685	408
25 to 54 years .....	26,610	26,185	425	6,622	5,531	1,090	1,534	339
55 years and over .....	3,617	3,533	85	1,979	1,770	208	151	70
<b>Black</b>								
<b>Men, 16 years and over</b> .....	<b>5,456</b>	<b>5,323</b>	<b>133</b>	<b>749</b>	<b>390</b>	<b>359</b>	<b>825</b>	<b>67</b>
16 to 19 years .....	163	156	7	192	121	70	98	40
20 years and over .....	5,293	5,168	125	557	269	288	726	27
20 to 24 years .....	548	540	8	153	84	69	194	5
25 years and over .....	4,745	4,628	117	404	185	219	532	22
25 to 54 years .....	4,197	4,093	104	308	115	193	487	7
55 years and over .....	549	536	13	96	70	26	46	16
<b>Women, 16 years and over</b> .....	<b>5,170</b>	<b>5,039</b>	<b>132</b>	<b>1,092</b>	<b>742</b>	<b>350</b>	<b>682</b>	<b>160</b>
16 to 19 years .....	122	113	9	193	117	75	57	60
20 years and over .....	5,049	4,926	123	900	625	275	626	100
20 to 24 years .....	514	491	23	154	96	58	131	44
25 years and over .....	4,535	4,435	99	746	529	217	494	56
25 to 54 years .....	4,067	3,977	90	569	379	190	457	56
55 years and over .....	468	459	9	177	149	28	38	-

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	August 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> .....	102,626	67.2	95,959	6,667	6.5	49,998	20,175	1,979	2,912	24,932
Husbands .....	40,186	77.1	38,629	1,557	3.9	11,958	272	121	1,116	10,449
With employed wife .....	26,708	91.5	25,785	923	3.5	2,493	138	78	439	1,839
With unemployed wife .....	1,346	91.3	1,198	148	11.0	129	9	3	30	87
With wife not in labor force .....	12,132	56.5	11,646	485	4.0	9,337	126	40	648	8,523
Wives .....	30,676	58.8	29,201	1,474	4.8	21,468	15,051	143	513	5,762
With employed husband .....	26,983	69.9	25,785	1,198	4.4	11,646	9,691	111	186	1,658
With unemployed husband .....	1,071	68.8	923	148	13.8	485	402	4	19	61
With husband not in labor force .....	2,622	21.9	2,493	129	4.9	9,337	4,958	28	308	4,043
Relatives in married-couple families .....	13,501	68.4	11,985	1,517	11.2	6,235	868	972	396	3,999
16 to 19 years .....	5,123	61.3	4,516	607	11.9	3,236	244	566	15	2,411
20 to 24 years .....	4,795	80.9	4,277	517	10.8	1,135	184	317	44	590
25 years and over .....	3,585	65.8	3,192	393	11.0	1,864	440	89	337	998
Women who maintain families .....	7,559	62.5	6,839	720	9.5	4,526	2,705	119	309	1,392
Relatives in families maintained by women .....	6,203	61.2	5,228	975	15.7	3,930	897	509	383	2,140
16 to 19 years .....	1,521	51.5	1,182	340	22.3	1,435	238	270	11	915
20 to 24 years .....	1,647	71.8	1,398	249	15.1	646	142	166	32	307
25 years and over .....	3,034	62.1	2,648	386	12.7	1,849	517	73	340	918
Men who maintain families .....	2,605	78.2	2,416	189	7.3	726	43	20	103	561
Relatives in families maintained by men .....	1,896	62.2	1,661	235	12.4	1,154	339	95	92	628
16 to 19 years .....	305	48.4	243	62	20.4	325	50	55	2	218
20 to 24 years .....	450	79.9	404	46	10.1	113	38	23	1	51
25 years and over .....	1,141	61.4	1,014	127	11.1	716	251	17	89	359

<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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**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	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
Total, 16 years and over .....	5,028	4,554	7.2	6.4	4,362	3,916	7.5	6.7
Married, spouse present .....	2,021	1,689	4.8	4.0	1,746	1,562	5.5	4.9
Widowed, divorced, or separated .....	689	667	8.8	8.3	997	911	8.5	7.6
Single (never married) .....	2,318	2,198	11.6	10.9	1,620	1,442	10.7	9.5
White, 16 years and over .....	3,781	3,422	6.2	5.6	3,215	2,889	6.6	5.8
Married, spouse present .....	1,665	1,386	4.4	3.7	1,466	1,332	5.3	4.7
Widowed, divorced, or separated .....	517	517	8.0	7.7	763	648	8.2	6.8
Single (never married) .....	1,598	1,519	9.8	9.2	986	909	8.4	7.7
Black, 16 years and over .....	1,028	892	14.6	12.6	967	842	13.3	11.9
Married, spouse present .....	267	193	8.3	6.2	211	149	8.5	6.4
Widowed, divorced, or separated .....	143	121	13.0	10.6	201	221	9.9	11.0
Single (never married) .....	619	578	22.5	20.4	555	472	20.3	17.0
Total, 25 years and over .....	3,513	3,107	6.0	5.3	3,061	2,780	6.4	5.7
Married, spouse present .....	1,926	1,587	4.7	3.9	1,569	1,408	5.3	4.7
Widowed, divorced, or separated .....	657	640	8.6	8.1	930	815	8.2	7.0
Single (never married) .....	929	879	9.5	8.7	562	557	8.1	7.8
White, 25 years and over .....	2,734	2,384	5.4	4.7	2,303	2,094	5.7	5.1
Married, spouse present .....	1,584	1,299	4.3	3.6	1,312	1,194	5.0	4.5
Widowed, divorced, or separated .....	494	493	7.9	7.6	706	586	7.8	6.3
Single (never married) .....	656	593	8.3	7.3	285	315	5.6	6.0
Black, 25 years and over .....	630	555	11.2	9.7	635	550	10.6	9.4
Married, spouse present .....	257	181	8.3	5.9	192	138	8.1	6.1
Widowed, divorced, or separated .....	137	118	12.6	10.5	190	192	9.6	9.8
Single (never married) .....	236	255	16.6	16.6	253	221	15.6	13.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
Total, 16 years and over .....	9,390	8,470	7.3	6.5	7.2	6.4	7.5	6.7
Managerial and professional specialty .....	1,173	1,039	3.7	3.1	3.7	2.7	3.6	3.6
Executive, administrative, and managerial .....	620	545	4.1	3.4	4.0	2.8	4.2	4.2
Professional specialty .....	553	493	3.3	2.9	3.4	2.5	3.2	3.2
Technical, sales, and administrative support .....	2,402	2,150	6.1	5.5	5.3	5.1	6.6	5.7
Technicians and related support .....	170	172	3.7	4.2	3.6	4.5	3.8	3.9
Sales occupations .....	1,041	910	7.0	5.9	5.2	4.8	8.8	7.1
Administrative support, including clerical .....	1,191	1,068	6.0	5.4	6.4	6.1	5.9	5.2
Service occupations .....	1,412	1,307	8.0	7.3	8.2	7.1	7.8	7.4
Private household .....	69	74	6.7	6.7	( <sup>1</sup> )	( <sup>1</sup> )	6.7	6.5
Protective service .....	94	114	4.2	5.2	4.1	4.3	5.1	8.6
Service, except private household and protective .....	1,250	1,119	8.6	7.6	9.6	7.9	8.1	7.4
Precision production, craft, and repair .....	1,074	946	7.4	6.3	7.2	6.2	9.0	7.0
Mechanics and repairers .....	233	258	4.8	5.2	4.9	5.2	2.1	6.4
Construction trades .....	548	465	9.8	7.8	9.8	7.8	11.1	7.3
Other precision production, craft, and repair .....	294	222	7.0	5.4	6.0	4.9	10.0	7.0
Operators, fabricators, and laborers .....	1,934	1,815	10.0	9.5	9.2	9.0	12.3	10.9
Machine operators, assemblers, and inspectors .....	887	773	10.4	9.3	8.6	8.1	12.9	11.0
Transportation and material moving occupations .....	393	395	7.3	7.2	7.0	6.9	9.9	9.7
Handlers, equipment cleaners, helpers, and laborers .....	654	648	12.0	12.1	12.2	12.4	11.0	10.8
Construction laborers .....	138	140	14.9	16.1	14.7	16.4	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	516	508	11.4	11.4	11.5	11.5	10.7	10.9
Farming, forestry, and fishing .....	293	247	6.7	6.1	6.2	6.1	9.2	6.0
No previous work experience .....	1,047	938	-	-	-	-	-	-
16 to 19 years .....	698	600	-	-	-	-	-	-
20 to 24 years .....	185	184	-	-	-	-	-	-
25 years and over .....	164	153	-	-	-	-	-	-

<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	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
Total, 16 years and over .....	9,390	8,470	7.3	6.5	7.2	6.4	7.5	6.7
Nonagricultural private wage and salary workers .....	7,162	6,383	7.5	6.6	7.4	6.7	7.5	6.5
Mining .....	67	52	10.3	7.4	10.3	7.1	10.5	8.8
Construction .....	787	716	12.8	11.5	13.0	11.7	11.4	9.2
Manufacturing .....	1,588	1,465	7.5	7.1	6.5	6.2	9.5	8.8
Durable goods .....	964	846	8.0	7.1	7.2	6.6	9.8	8.4
Lumber and wood products .....	66	43	10.0	6.5	8.6	6.0	18.2	9.5
Furniture and fixtures .....	65	32	9.6	4.9	9.2	4.6	10.4	5.7
Stone, clay, and glass products .....	44	52	7.3	9.0	6.5	10.0	10.0	5.1
Primary metal industries .....	59	32	6.7	4.1	6.4	4.3	8.7	2.7
Fabricated metal products .....	112	94	8.8	7.1	8.2	6.1	10.9	10.3
Machinery and computing equipment .....	170	160	7.3	6.7	7.1	5.9	8.1	9.8
Electrical machinery, equipment, and supplies .....	143	118	7.6	6.3	6.0	5.0	9.8	7.9
Transportation equipment .....	201	206	8.2	8.9	7.7	8.7	10.0	9.5
Automobiles .....	91	63	7.3	5.1	7.0	5.5	8.3	4.1
Other transportation equipment .....	110	143	9.1	13.0	8.3	12.2	11.9	15.6
Professional and photographic equipment .....	40	47	4.9	6.7	4.8	5.2	5.0	8.6
Other durable goods industries .....	64	62	12.7	11.0	8.9	12.8	15.9	8.4
Nondurable goods .....	624	620	6.9	7.0	5.2	5.6	9.3	9.1
Food and kindred products .....	133	144	6.7	7.4	5.2	6.7	9.8	8.8
Textile mill products .....	46	51	6.4	7.4	6.0	6.5	6.8	8.4
Apparel and other textile products .....	125	127	11.0	12.1	7.4	10.9	12.2	12.5
Paper and allied products .....	62	41	8.1	5.1	7.1	3.6	11.1	9.2
Printing and publishing .....	113	115	6.3	6.5	4.9	5.6	7.8	7.6
Chemicals and allied products .....	49	63	3.6	4.8	2.6	3.2	5.5	7.9
Rubber and miscellaneous plastics products .....	64	48	7.1	5.3	6.1	4.6	8.9	6.9
Other nondurable goods industries .....	32	31	8.4	8.0	5.4	7.0	15.2	12.1
Transportation and public utilities .....	330	347	4.9	5.1	4.8	5.3	5.3	4.6
Transportation .....	234	238	5.9	5.9	5.7	6.0	6.5	5.5
Communications and other public utilities .....	96	109	3.5	3.9	3.2	4.0	4.1	3.8
Wholesale and retail trade .....	2,170	1,813	8.8	7.3	8.0	6.7	9.6	7.9
Wholesale trade .....	374	300	7.5	6.5	6.6	5.3	9.5	9.5
Retail trade .....	1,796	1,514	9.1	7.5	8.5	7.2	9.6	7.7
Finance, insurance, and real estate .....	319	298	4.4	4.0	4.2	3.7	4.4	4.2
Service industries .....	1,901	1,691	6.5	5.7	7.0	6.1	6.2	5.4
Professional services .....	711	722	4.2	4.1	4.0	4.1	4.2	4.1
Other service industries .....	1,190	969	9.7	7.9	9.5	7.8	10.0	8.0
Agricultural wage and salary workers .....	204	211	9.6	10.7	8.9	10.5	12.3	11.4
Government, self-employed, and unpaid family workers .....	977	938	3.3	3.1	3.2	2.6	3.5	3.8
No previous work experience .....	1,047	938	-	-	-	-	-	-

**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	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	9,390	8,470	4,298	3,871	3,807	3,411	1,285	1,188	6,996	6,311	1,995	1,734
Job losers .....	4,996	4,582	2,971	2,669	1,803	1,690	222	223	3,881	3,487	934	901
On layoff .....	1,034	1,029	619	607	376	393	39	28	879	834	133	162
Other job losers .....	3,962	3,553	2,352	2,062	1,428	1,297	183	194	3,002	2,653	801	739
Job leavers .....	1,109	910	454	349	516	416	139	144	834	728	209	147
Reentrants .....	2,325	2,130	784	732	1,286	1,139	255	258	1,659	1,557	573	452
New entrants .....	959	848	89	120	202	165	668	563	621	539	279	233
<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 .....	53.2	54.1	69.1	68.9	47.4	49.6	17.3	18.7	55.5	55.2	46.8	52.0
On layoff .....	11.0	12.1	14.4	15.7	9.9	11.5	3.1	2.4	12.6	13.2	6.7	9.3
Other job losers .....	42.2	41.9	54.7	53.3	37.5	38.0	14.2	16.3	42.9	42.0	40.2	42.6
Job leavers .....	11.8	10.7	10.6	9.0	13.5	12.2	10.8	12.1	11.9	11.5	10.5	8.5
Reentrants .....	24.8	25.1	18.2	18.9	33.8	33.4	19.9	21.7	23.7	24.7	28.7	26.1
New entrants .....	10.2	10.0	2.1	3.1	5.3	4.8	52.0	47.4	8.9	8.5	14.0	13.4
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.9	3.5	4.5	4.0	3.3	3.1	2.8	2.8	3.5	3.2	6.5	6.3
Job leavers .....	.9	.7	.7	.5	.9	.8	1.8	1.8	.8	.7	1.5	1.0
Reentrants .....	1.8	1.6	1.2	1.1	2.4	2.1	3.3	3.3	1.5	1.4	4.0	3.2
New entrants .....	.7	.7	.1	.2	.4	.3	8.6	7.1	.6	.5	2.0	1.6



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

(Percent distribution)

Reason, sex, and age	August 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 .....	8,470	100.0	34.9	32.6	32.5	11.8	20.7
Job losers .....	4,582	100.0	28.8	29.5	41.7	14.9	26.7
On layoff .....	1,029	100.0	48.1	28.1	23.8	10.5	13.3
Other job losers .....	3,553	100.0	23.3	29.9	46.9	16.2	30.6
Job leavers .....	910	100.0	42.9	31.9	25.1	9.8	15.4
Reentrants .....	2,130	100.0	41.4	34.5	24.0	8.6	15.4
New entrants .....	848	100.0	42.8	45.2	12.0	4.7	7.3
Men, 20 years and over .....	3,871	100.0	30.1	29.8	40.1	13.2	26.9
Job losers .....	2,669	100.0	27.6	27.8	44.7	14.6	30.0
On layoff .....	607	100.0	51.3	23.7	25.1	10.2	14.9
Other job losers .....	2,062	100.0	20.6	29.0	50.5	16.0	34.5
Job leavers .....	349	100.0	37.7	30.9	31.4	10.7	20.8
Reentrants .....	732	100.0	35.5	34.1	30.4	9.3	21.0
New entrants .....	120	100.0	30.1	46.3	23.5	13.1	10.4
Women, 20 years and over .....	3,411	100.0	35.9	31.9	32.2	12.8	19.4
Job losers .....	1,690	100.0	27.2	31.4	41.3	16.8	24.5
On layoff .....	393	100.0	39.4	37.2	23.4	11.7	11.7
Other job losers .....	1,297	100.0	23.6	29.7	48.7	18.3	28.4
Job leavers .....	416	100.0	41.2	32.9	26.0	11.7	14.2
Reentrants .....	1,139	100.0	45.8	31.2	23.0	8.7	14.3
New entrants .....	165	100.0	42.3	38.7	19.1	3.8	15.3
Both sexes, 18 to 19 years .....	1,188	100.0	48.0	43.6	8.4	4.0	4.4
Job losers .....	223	100.0	56.4	34.8	8.8	4.5	4.3
On layoff .....	26	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	194	100.0	49.8	40.3	9.9	5.3	4.6
Job leavers .....	144	100.0	60.7	31.7	7.6	1.9	5.7
Reentrants .....	258	100.0	38.9	50.3	10.8	6.7	4.1
New entrants .....	563	100.0	45.6	47.0	7.4	3.1	4.3

<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	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
Total, 16 years and over .....	9,390	8,470	100.0	100.0	7,795	6,997	100.0	100.0
Less than 5 weeks .....	3,248	2,958	34.6	34.9	2,401	2,209	30.8	31.6
5 to 14 weeks .....	2,925	2,760	31.2	32.6	2,405	2,229	30.9	31.9
5 to 10 weeks .....	2,080	2,069	22.1	24.4	1,692	1,657	21.7	23.7
11 to 14 weeks .....	846	691	9.0	8.2	713	572	9.2	8.2
15 weeks and over .....	3,217	2,753	34.3	32.5	2,989	2,559	38.3	36.6
15 to 26 weeks .....	1,152	997	12.3	11.8	1,055	924	13.5	13.2
27 weeks and over .....	2,064	1,755	22.0	20.7	1,934	1,636	24.8	23.4
27 to 51 weeks .....	947	807	10.1	9.5	893	758	11.5	10.8
52 weeks and over .....	1,117	948	11.9	11.2	1,040	878	13.3	12.5
Average (mean) duration, in weeks .....	17.9	18.0	-	-	19.5	19.7	-	-
Median duration, in weeks .....	8.7	8.2	-	-	9.8	9.2	-	-

**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	
								Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
	August 1993										
<b>Total, 16 years and over</b> .....	8,470	2,958	2,760	997	1,755	18.0	8.2	34.6	34.9	34.3	32.5
16 to 19 years .....	1,188	570	518	48	52	8.1	4.9	47.5	48.0	10.8	8.4
20 to 24 years .....	1,396	629	487	119	161	12.3	5.4	42.1	45.1	24.1	20.0
25 to 34 years .....	2,253	772	695	327	458	17.4	8.3	33.6	34.3	36.9	34.9
35 to 44 years .....	1,804	510	535	250	509	22.9	10.6	32.3	28.3	37.5	42.1
45 to 54 years .....	1,153	313	332	163	345	23.4	10.5	24.6	27.2	49.7	44.1
55 to 64 years .....	539	124	154	80	182	26.6	13.6	20.7	22.9	52.4	46.5
65 years and over .....	138	39	39	11	48	25.5	12.5	33.0	28.1	50.7	43.2
<b>Men, 16 years and over</b> .....	4,554	1,473	1,471	537	1,073	19.8	8.8	31.2	32.4	38.6	35.4
16 to 19 years .....	683	310	316	25	32	8.3	5.3	49.6	45.4	12.1	8.3
20 to 24 years .....	764	332	248	77	107	14.5	5.9	37.4	43.5	27.6	24.1
25 to 34 years .....	1,203	375	381	187	260	18.8	8.9	29.2	31.2	41.2	37.2
35 to 44 years .....	897	227	254	101	315	26.3	11.8	27.6	25.3	43.7	46.4
45 to 54 years .....	592	146	155	84	208	26.9	14.0	22.3	24.6	54.6	49.2
55 to 64 years .....	321	57	92	59	112	27.5	16.7	13.8	17.9	80.6	53.3
65 years and over .....	93	26	25	4	39	28.0	13.5	( <sup>1</sup> )	27.7	( <sup>1</sup> )	45.9
<b>Women, 16 years and over</b> .....	3,916	1,484	1,289	460	682	15.8	7.6	38.5	37.9	29.2	29.2
16 to 19 years .....	505	261	202	23	21	7.8	4.4	44.7	51.6	9.2	8.5
20 to 24 years .....	631	297	239	42	53	9.7	5.0	47.1	47.1	20.4	15.1
25 to 34 years .....	1,050	397	315	140	198	15.9	7.7	38.6	37.8	32.0	32.2
35 to 44 years .....	907	283	281	149	194	19.5	10.1	37.3	31.2	31.0	37.8
45 to 54 years .....	561	167	177	79	138	19.7	9.3	27.6	29.9	43.6	38.6
55 to 64 years .....	218	66	62	20	70	25.3	10.4	30.0	30.3	41.6	41.3
65 years and over .....	44	13	15	8	9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>White, 16 years and over</b> .....	6,311	2,258	2,013	738	1,301	17.6	8.0	34.6	35.8	35.1	32.3
Men .....	3,422	1,143	1,087	396	796	19.3	8.5	31.0	33.4	39.5	34.8
Women .....	2,889	1,116	926	342	505	15.5	7.5	38.9	38.6	30.0	29.3
<b>Black, 16 years and over</b> .....	1,734	537	595	216	385	19.8	8.9	33.9	31.0	31.9	34.7
Men .....	892	259	283	120	230	22.1	9.6	30.2	29.0	37.5	39.3
Women .....	842	279	312	96	155	17.4	8.2	37.8	33.1	25.8	29.8
<b>Men, 16 years and over:</b>											
Married, spouse present .....	1,689	490	469	241	489	22.7	10.2	26.3	29.0	48.3	43.2
Widowed, divorced, or separated .....	667	158	206	92	211	24.9	11.7	27.1	23.7	42.2	45.4
Single (never married) .....	2,198	825	796	204	373	16.0	7.3	36.7	37.5	29.1	26.3
<b>Women, 16 years and over:</b>											
Married, spouse present .....	1,562	576	483	221	282	16.7	7.9	38.8	36.9	32.0	32.2
Widowed, divorced, or separated .....	911	309	298	112	203	17.9	8.9	34.2	33.9	35.7	34.6
Single (never married) .....	1,442	600	518	128	196	13.5	6.5	40.8	41.6	22.2	22.5

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**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	
								Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
	August 1993										
<b>OCCUPATION</b>											
Managerial and professional specialty .....	1,039	307	357	133	242	19.4	9.5	24.8	29.5	42.9	36.1
Technical, sales, and administrative support .....	2,150	648	703	298	501	19.3	9.4	34.1	30.1	36.2	37.2
Service occupations .....	1,307	512	396	150	248	16.9	7.2	41.7	39.2	28.2	30.4
Precision production, craft, and repair .....	946	351	234	113	248	20.1	8.1	29.0	37.1	42.7	38.2
Operators, fabricators, and laborers .....	1,815	597	561	240	417	19.7	9.0	33.7	32.9	39.1	36.2
Farming, forestry, and fishing .....	247	117	91	11	28	11.5	5.3	52.2	47.4	16.4	15.8
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	211	99	85	6	22	10.7	5.1	52.0	46.9	15.2	13.3
Construction .....	731	273	197	88	173	19.2	7.9	29.6	37.3	45.3	35.7
Manufacturing .....	1,471	440	422	230	380	20.5	10.2	32.6	29.9	40.2	41.5
Durable goods .....	851	234	259	131	228	20.4	10.0	29.6	27.5	43.4	42.2
Nondurable goods .....	620	206	163	99	152	20.6	10.6	37.2	33.2	35.3	40.5
Transportation and public utilities .....	401	112	136	54	100	22.6	9.8	27.2	27.9	46.2	38.2
Wholesale and retail trade .....	1,816	629	581	217	388	17.9	8.1	37.1	34.6	34.0	33.3
Finance and service industries .....	2,386	814	792	292	488	17.9	8.6	33.0	34.1	34.5	32.7
Public administration .....	217	62	59	36	60	22.0	11.2	25.5	28.6	41.0	44.2
No previous work experience .....	938	422	409	40	67	10.7	5.6	39.7	45.0	15.1	11.4

<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	August 1993								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over .....	8,470	7,282	22.2	9.3	72.2	41.8	24.7	5.8	1.76
16 to 19 years .....	1,188	1,128	11.4	4.3	75.4	30.4	19.3	3.4	1.44
20 to 24 years .....	1,396	1,238	21.9	9.9	69.9	44.5	21.1	5.0	1.72
25 to 34 years .....	2,253	1,946	26.0	11.1	73.1	42.9	24.3	5.4	1.83
35 to 44 years .....	1,804	1,472	27.0	9.2	72.0	42.6	26.9	6.6	1.84
45 to 54 years .....	1,153	945	23.1	12.8	70.5	48.6	29.6	8.5	1.93
55 to 64 years .....	539	440	19.7	7.5	74.8	41.7	29.8	7.9	1.81
65 years and over .....	138	114	10.7	2.0	57.2	38.5	35.3	4.2	1.48
Men, 16 years and over .....	4,554	3,849	24.6	9.1	72.5	40.9	27.5	6.4	1.81
16 to 19 years .....	683	633	12.7	4.2	74.7	27.4	19.8	4.1	1.43
20 to 24 years .....	764	659	24.7	8.8	70.4	44.9	25.0	5.0	1.79
25 to 34 years .....	1,203	1,018	28.4	11.4	70.5	41.9	28.8	6.6	1.88
35 to 44 years .....	897	710	31.0	9.9	72.9	45.9	30.0	7.7	1.97
45 to 54 years .....	592	482	27.3	10.6	73.7	44.4	33.5	8.6	1.98
55 to 64 years .....	321	265	20.8	10.0	80.6	39.5	26.7	8.7	1.86
65 years and over .....	93	81	9.1	.2	58.9	38.9	37.6	1.0	1.46
Women, 16 years and over .....	3,916	3,434	19.6	9.6	71.9	42.8	21.6	5.2	1.71
16 to 19 years .....	505	494	9.7	4.4	76.3	34.3	18.6	2.5	1.46
20 to 24 years .....	631	578	18.7	11.2	69.3	44.0	16.7	4.9	1.65
25 to 34 years .....	1,050	928	23.4	10.8	75.9	44.0	19.5	4.2	1.78
35 to 44 years .....	907	762	23.3	8.5	71.2	39.5	23.9	5.6	1.72
45 to 54 years .....	561	462	18.6	15.0	67.1	53.0	25.6	8.5	1.88
55 to 64 years .....	218	176	18.1	3.5	66.0	45.2	34.5	6.6	1.74
65 years and over .....	44	34	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,311	5,333	20.9	9.2	72.6	43.7	25.7	6.6	1.79
Men .....	3,422	2,832	23.7	9.2	72.9	41.9	28.8	7.4	1.84
Women .....	2,889	2,500	17.8	9.3	72.1	45.7	22.1	5.8	1.73
Black, 16 years and over .....	1,734	1,566	28.3	10.6	69.5	37.4	19.5	4.2	1.70
Men .....	892	801	29.2	10.0	69.3	39.6	21.4	4.4	1.74
Women .....	842	764	27.3	11.2	69.8	35.1	17.5	3.9	1.65

<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	August 1993								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over .....	8,470	7,282	22.2	9.3	72.2	41.8	24.7	5.8	1.76
Job losers <sup>1</sup> .....	4,582	3,504	27.3	10.9	74.7	45.0	28.2	5.6	1.92
Job leavers .....	910	884	22.8	6.8	70.7	43.5	22.1	3.0	1.69
Reentrants .....	2,130	2,063	17.2	8.5	70.0	39.7	20.3	7.8	1.63
New entrants .....	848	831	12.9	7.2	68.9	31.6	23.5	4.7	1.49
Men, 16 years and over .....	4,554	3,849	24.6	9.1	72.5	40.9	27.5	6.4	1.81
Job losers <sup>1</sup> .....	2,838	2,178	28.5	10.9	74.4	44.2	30.0	6.2	1.94
Job leavers .....	447	437	25.1	4.3	70.6	40.2	23.9	3.1	1.67
Reentrants .....	855	831	19.2	6.8	70.5	38.7	24.4	7.6	1.67
New entrants .....	413	402	13.7	9.1	68.2	28.1	24.2	8.7	1.52
Women, 16 years and over .....	3,916	3,434	19.6	9.6	71.9	42.8	21.6	5.2	1.71
Job losers <sup>1</sup> .....	1,743	1,326	25.2	11.0	75.1	46.2	25.3	4.7	1.88
Job leavers .....	463	447	20.6	9.2	70.8	46.7	20.4	3.0	1.71
Reentrants .....	1,274	1,232	15.9	9.7	69.6	40.4	17.5	7.9	1.61
New entrants .....	436	429	12.1	5.4	69.6	35.0	22.9	1.0	1.46

<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.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry and age	Total		Men		Women	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
All industries .....	119,082	121,002	65,151	66,172	53,931	54,830
16 to 19 years .....	6,517	6,687	3,403	3,521	3,113	3,166
16 to 17 years .....	2,679	2,761	1,410	1,490	1,268	1,271
18 to 19 years .....	3,838	3,926	1,993	2,031	1,845	1,895
20 to 24 years .....	12,728	12,623	6,794	6,725	5,935	5,898
25 to 54 years .....	85,342	87,005	46,727	47,680	38,615	39,325
25 to 34 years .....	32,312	32,039	17,924	17,808	14,388	14,231
35 to 44 years .....	31,591	32,530	17,240	17,735	14,351	14,795
45 to 54 years .....	21,439	22,436	11,564	12,137	9,875	10,299
55 to 64 years .....	11,164	11,231	6,253	6,256	4,911	4,975
55 to 59 years .....	6,831	6,880	3,802	3,840	3,029	3,040
60 to 64 years .....	4,332	4,351	2,451	2,417	1,882	1,934
65 years and over .....	3,332	3,456	1,975	1,989	1,358	1,467
Agriculture .....	3,561	3,295	2,828	2,575	733	720
16 to 19 years .....	367	312	289	251	78	61
16 to 17 years .....	194	173	153	141	41	32
18 to 19 years .....	173	139	136	110	37	29
20 to 24 years .....	387	295	327	227	60	68
25 to 54 years .....	2,096	1,959	1,610	1,492	486	467
25 to 34 years .....	835	774	662	598	173	175
35 to 44 years .....	757	710	577	528	180	182
45 to 54 years .....	505	476	371	366	133	110
55 to 64 years .....	431	422	350	342	81	80
55 to 59 years .....	214	222	179	175	35	48
60 to 64 years .....	217	200	171	168	46	32
65 years and over .....	280	307	252	263	28	44
Nonagricultural industries .....	115,522	117,707	62,323	63,597	53,198	54,110
16 to 19 years .....	6,150	6,376	3,114	3,270	3,035	3,106
16 to 17 years .....	2,485	2,589	1,257	1,350	1,227	1,239
18 to 19 years .....	3,665	3,787	1,857	1,920	1,808	1,867
20 to 24 years .....	12,341	12,328	6,466	6,498	5,875	5,829
25 to 54 years .....	83,246	85,046	45,117	46,188	38,129	38,858
25 to 34 years .....	31,477	31,266	17,262	17,209	14,215	14,056
35 to 44 years .....	30,834	31,820	16,663	17,207	14,172	14,613
45 to 54 years .....	20,934	21,960	11,192	11,772	9,742	10,188
55 to 64 years .....	10,732	10,809	5,903	5,914	4,830	4,895
55 to 59 years .....	6,617	6,658	3,623	3,665	2,994	2,993
60 to 64 years .....	4,115	4,151	2,279	2,249	1,836	1,902
65 years and over .....	3,053	3,149	1,723	1,726	1,330	1,423

**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	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
Total .....	119,082	121,002	65,151	66,172	61,748	62,650	53,931	54,830	50,818	51,664
Managerial and professional specialty .....	30,746	32,023	16,277	16,646	16,164	16,527	14,469	15,378	14,356	15,243
Executive, administrative, and managerial .....	14,506	15,349	8,391	8,854	8,348	8,821	6,115	6,495	6,074	6,457
Officials and administrators, public administration .....	615	704	355	405	355	405	260	299	260	299
Other executive, administrative, and managerial .....	9,958	10,737	6,128	6,583	6,091	6,552	3,830	4,154	3,795	4,119
Management-related occupations .....	3,933	3,908	1,908	1,866	1,902	1,864	2,026	2,042	2,019	2,038
Professional specialty .....	16,240	16,874	7,866	7,792	7,815	7,706	8,354	8,882	8,282	8,787
Engineers .....	1,827	1,885	1,702	1,536	1,697	1,533	124	149	123	149
Mathematical and computer scientists .....	919	1,074	615	711	615	708	304	363	303	363
Natural scientists .....	445	523	330	373	329	372	115	150	111	149
Health diagnosing occupations .....	907	913	743	712	739	712	164	201	163	201
Health assessment and treating occupations .....	2,717	2,702	387	398	384	395	2,330	2,304	2,324	2,305
Teachers, college and university .....	652	660	406	366	406	364	246	293	246	292
Teachers, except college and university .....	3,768	4,035	926	1,016	919	994	2,841	3,019	2,823	2,993
Lawyers and judges .....	795	796	633	601	633	601	162	195	162	195
Other professional specialty occupations .....	4,211	4,285	2,143	2,077	2,093	2,028	2,067	2,208	2,026	2,149
Technical, sales, and administrative support .....	36,948	36,989	13,413	13,503	12,735	12,879	23,535	23,486	21,991	21,999
Technicians and related support .....	4,396	3,943	2,204	1,970	2,160	1,944	2,192	1,973	2,159	1,941
Health technologists and technicians .....	1,566	1,555	268	302	265	295	1,298	1,254	1,282	1,243
Engineering and science technicians .....	1,223	1,152	940	911	915	898	283	241	275	225
Technicians, except health, engineering, and science .....	1,607	1,236	996	757	980	752	611	479	601	473
Sales occupations .....	13,918	14,420	7,265	7,548	6,850	7,127	6,652	6,873	5,710	5,932
Supervisors and proprietors .....	3,914	4,096	2,543	2,662	2,510	2,645	1,370	1,433	1,348	1,407
Sales representatives, finance and business services .....	2,238	2,387	1,343	1,435	1,338	1,425	895	952	889	933
Sales representatives, commodities, except retail .....	1,595	1,515	1,258	1,228	1,256	1,225	337	287	323	285
Sales workers, retail and personal services .....	6,084	6,301	2,091	2,177	1,719	1,788	3,993	4,124	3,096	3,234
Sales-related occupations .....	87	121	30	45	28	45	57	76	54	74
Administrative support, including clerical .....	18,634	18,625	3,943	3,985	3,724	3,807	14,691	14,640	14,123	14,126
Supervisors .....	770	744	319	295	318	295	451	449	449	449
Computer equipment operators .....	715	612	269	261	256	249	445	350	433	345
Secretaries, stenographers, and typists .....	4,288	4,261	77	95	73	89	4,211	4,166	4,087	4,083
Financial records processing .....	2,246	2,330	211	252	206	249	2,035	2,078	2,009	2,047
Mail and message distributing .....	905	928	548	544	525	521	356	384	347	364
Other administrative support, including clerical .....	9,711	9,750	2,519	2,537	2,346	2,405	7,191	7,213	6,798	6,838
Service occupations .....	16,316	16,698	6,477	6,663	5,615	5,645	9,839	10,035	8,674	8,795
Private household .....	958	1,023	42	45	34	36	916	978	745	802
Protective service .....	2,113	2,070	1,747	1,667	1,697	1,626	367	403	286	349
Service, except private household and protective .....	13,245	13,605	4,688	4,951	3,884	3,984	8,557	8,654	7,643	7,643
Food service .....	5,481	5,807	2,159	2,424	1,582	1,740	3,322	3,383	2,745	2,689
Health service .....	2,113	2,278	231	258	218	235	1,882	2,020	1,816	1,932
Cleaning and building service .....	3,060	2,933	1,811	1,720	1,667	1,568	1,249	1,213	1,176	1,142
Personal service .....	2,592	2,587	488	549	416	440	2,104	2,037	1,906	1,879
Precision production, craft, and repair .....	13,536	14,133	12,378	12,940	12,099	12,596	1,158	1,193	1,131	1,140
Mechanics and repairers .....	4,592	4,687	4,425	4,506	4,326	4,379	167	181	162	179
Construction trades .....	5,038	5,529	4,945	5,407	4,807	5,235	92	121	85	104
Other precision production, craft, and repair .....	3,906	3,918	3,008	3,027	2,966	2,982	898	891	883	857
Operators, fabricators, and laborers .....	17,460	17,367	13,171	13,239	12,137	12,208	4,290	4,128	4,109	3,938
Machine operators, assemblers, and inspectors .....	7,651	7,569	4,595	4,697	4,416	4,508	3,056	2,872	2,981	2,780
Manufacturing industries .....	6,250	6,106	3,661	3,729	3,526	3,596	2,590	2,377	2,538	2,314
Durable goods .....	3,286	3,290	2,230	2,338	2,169	2,272	1,056	951	1,041	927
Nondurable goods .....	2,964	2,816	1,430	1,390	1,358	1,324	1,533	1,426	1,497	1,387
Nonmanufacturing industries .....	1,401	1,463	934	968	889	912	466	494	443	466
Transportation and material moving occupations .....	4,997	5,111	4,591	4,693	4,477	4,592	406	418	386	401
Motor vehicle operators .....	3,751	3,869	3,398	3,511	3,306	3,431	353	358	335	346
Other transportation and material moving occupations .....	1,246	1,242	1,193	1,182	1,170	1,161	52	60	51	55
Handlers, equipment cleaners, helpers, and laborers .....	4,812	4,687	3,985	3,849	3,245	3,108	827	838	742	757
Construction laborers .....	788	725	754	703	646	629	34	22	32	19
Other handlers, equipment cleaners, helpers, and laborers .....	4,025	3,963	3,232	3,147	2,599	2,479	793	816	710	738
Farming, forestry, and fishing .....	4,076	3,791	3,435	3,182	2,998	2,795	641	610	557	549
Farm operators and managers .....	1,274	1,208	1,049	1,010	1,036	996	225	198	225	199
Other farming, forestry, and fishing occupations .....	2,803	2,583	2,387	2,172	1,962	1,799	416	411	332	350

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	119,082	121,002	65,151	66,172	53,931	54,830
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	25.8	26.5	25.0	25.2	26.8	28.0
Executive, administrative, and managerial .....	12.2	12.7	12.9	13.4	11.3	11.8
Professional specialty .....	13.6	13.8	12.1	11.8	15.5	16.2
Technical, sales, and administrative support .....	31.0	30.6	20.6	20.4	43.6	42.8
Technicians and related support .....	3.7	3.3	3.4	3.0	4.1	3.6
Sales occupations .....	11.7	11.9	11.2	11.4	12.3	12.5
Administrative support, including clerical .....	15.6	15.4	6.1	6.0	27.2	26.7
Service occupations .....	13.7	13.8	9.9	10.1	18.2	18.3
Private household .....	.8	.8	.1	.1	1.7	1.8
Protective service .....	1.8	1.7	2.7	2.5	.7	.7
Service, except private household and protective .....	11.1	11.2	7.2	7.5	15.9	15.8
Precision production, craft, and repair .....	11.4	11.7	19.0	19.6	2.1	2.2
Operators, fabricators, and laborers .....	14.7	14.4	20.2	20.0	8.0	7.5
Machine operators, assemblers, and inspectors .....	6.4	6.3	7.1	7.1	5.7	5.2
Transportation and material moving occupations .....	4.2	4.2	7.0	7.1	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	4.0	3.9	6.1	5.8	1.5	1.5
Farming, forestry, and fishing .....	3.4	3.1	5.3	4.8	1.2	1.1
<b>White</b>						
Total, 16 years and over (thousands) .....	102,501	104,205	56,797	57,581	45,704	46,624
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	26.8	27.4	25.9	26.1	28.0	29.1
Executive, administrative, and managerial .....	12.9	13.3	13.6	14.1	12.0	12.4
Professional specialty .....	13.9	14.1	12.3	12.1	16.0	16.7
Technical, sales, and administrative support .....	31.4	31.0	20.9	20.7	44.5	43.7
Technicians and related support .....	3.6	3.3	3.3	3.0	4.0	3.6
Sales occupations .....	12.2	12.5	11.8	12.0	12.8	13.0
Administrative support, including clerical .....	15.6	15.3	5.8	5.7	27.7	27.1
Service occupations .....	12.4	12.6	8.8	9.0	16.9	17.0
Private household .....	.7	.8	-	.1	1.6	1.7
Protective service .....	1.7	1.6	2.5	2.4	.6	.7
Service, except private household and protective .....	10.0	10.2	6.2	6.6	14.8	14.6
Precision production, craft, and repair .....	11.9	12.1	19.8	20.2	2.1	2.1
Operators, fabricators, and laborers .....	13.9	13.5	19.2	19.0	7.2	6.8
Machine operators, assemblers, and inspectors .....	6.0	5.8	6.8	6.8	4.9	4.7
Transportation and material moving occupations .....	4.0	4.1	6.7	6.8	.7	.7
Handlers, equipment cleaners, helpers, and laborers .....	3.9	3.6	5.8	5.4	1.5	1.4
Farming, forestry, and fishing .....	3.6	3.3	5.4	5.0	1.3	1.2
<b>Black</b>						
Total, 16 years and over (thousands) .....	12,307	12,467	6,021	6,205	6,286	6,263
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	16.6	17.3	14.3	14.0	18.7	20.5
Executive, administrative, and managerial .....	6.5	7.8	6.4	7.5	6.6	8.0
Professional specialty .....	10.0	9.5	7.8	6.4	12.1	12.5
Technical, sales, and administrative support .....	27.5	27.3	16.0	17.4	38.6	37.0
Technicians and related support .....	3.8	2.8	3.1	2.3	4.5	3.2
Sales occupations .....	7.1	7.7	5.1	6.5	9.1	8.9
Administrative support, including clerical .....	16.5	16.8	7.8	8.7	25.0	25.0
Service occupations .....	23.4	23.1	18.9	18.5	27.7	27.7
Private household .....	1.6	1.2	.2	.1	3.0	2.3
Protective service .....	2.8	2.6	4.5	4.1	1.2	1.1
Service, except private household and protective .....	19.0	19.3	14.2	14.2	23.6	24.3
Precision production, craft, and repair .....	8.3	8.8	14.5	15.4	2.3	2.4
Operators, fabricators, and laborers .....	21.8	21.5	31.7	31.1	12.4	11.9
Machine operators, assemblers, and inspectors .....	9.7	9.4	9.8	10.2	9.7	8.6
Transportation and material moving occupations .....	6.4	5.8	11.9	10.5	1.1	1.1
Handlers, equipment cleaners, helpers, and laborers .....	5.7	6.3	10.1	10.5	1.6	2.2
Farming, forestry, and fishing .....	2.4	2.0	4.6	3.6	.3	.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	August 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 .....	108,348	1,301	18,032	89,015	9,122	237	1,757	1,402	135
16 to 19 years .....	6,271	249	402	5,619	77	28	237	40	34
16 to 17 years .....	2,534	171	202	2,161	39	15	128	25	20
18 to 19 years .....	3,737	78	200	3,458	37	13	109	16	14
20 to 24 years .....	12,065	152	1,009	10,905	243	19	229	49	18
25 to 34 years .....	29,395	199	3,998	25,198	1,841	30	525	232	16
35 to 44 years .....	28,981	217	5,661	23,103	2,777	62	369	318	22
45 to 54 years .....	19,739	205	4,629	14,904	2,180	41	206	254	16
55 to 64 years .....	9,396	172	1,957	7,267	1,382	31	132	274	15
55 to 59 years .....	5,858	84	1,221	4,553	782	18	71	145	6
60 to 64 years .....	3,537	89	735	2,714	600	14	61	129	10
65 years and over .....	2,501	108	375	2,019	622	26	59	234	14
Men, 16 years and over .....	57,545	206	8,443	48,895	5,990	62	1,365	1,156	54
16 to 19 years .....	3,212	63	233	2,916	39	19	189	36	27
16 to 17 years .....	1,319	46	110	1,163	17	14	102	24	14
18 to 19 years .....	1,893	17	124	1,752	22	5	87	12	12
20 to 24 years .....	6,332	30	503	5,800	155	11	178	39	10
25 to 34 years .....	16,053	38	1,916	14,100	1,156	-	414	183	2
35 to 44 years .....	15,384	30	2,531	12,823	1,818	5	272	251	5
45 to 54 years .....	10,312	12	2,165	8,135	1,456	4	156	209	-
55 to 64 years .....	4,964	22	901	4,041	941	8	110	227	5
55 to 59 years .....	3,138	8	551	2,580	526	1	57	118	-
60 to 64 years .....	1,827	14	350	1,462	416	7	53	110	5
65 years and over .....	1,287	12	184	1,081	424	15	46	211	6
Women, 16 years and over .....	50,803	1,095	9,588	40,120	3,131	176	392	246	82
16 to 19 years .....	3,059	186	169	2,704	38	9	49	4	7
16 to 17 years .....	1,215	125	93	998	23	1	26	-	5
18 to 19 years .....	1,844	62	76	1,706	15	8	22	4	2
20 to 24 years .....	5,733	122	506	5,105	88	8	51	10	8
25 to 34 years .....	13,342	161	2,082	11,099	685	30	112	50	14
35 to 44 years .....	13,597	187	3,130	10,281	959	57	97	67	18
45 to 54 years .....	9,427	193	2,464	6,769	724	37	50	45	16
55 to 64 years .....	4,431	150	1,055	3,226	440	23	22	47	11
55 to 59 years .....	2,721	76	671	1,974	256	16	14	28	6
60 to 64 years .....	1,711	74	385	1,252	185	7	8	19	5
65 years and over .....	1,214	96	181	937	197	11	12	23	8



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	August 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 .....	3,295	102	96	41	8	118	-	15	46	13	56	35	2,764
Mining .....	676	110	68	16	10	65	-	4	246	23	107	26	1
Construction .....	7,808	861	137	30	85	441	-	20	4,692	102	589	816	36
Manufacturing .....	19,808	2,371	1,665	671	766	2,266	-	290	3,815	6,106	754	983	120
Durable goods .....	11,397	1,392	1,077	431	302	1,218	-	136	2,628	3,290	370	449	106
Nondurable goods .....	8,411	980	588	240	464	1,048	-	153	1,188	2,816	385	534	15
Transportation and public utilities .....	8,485	969	482	309	225	2,326	-	241	1,362	97	1,974	484	17
Wholesale and retail trade .....	25,172	2,291	459	161	10,218	2,301	-	4,958	1,414	345	1,053	1,874	98
Wholesale trade .....	4,677	578	93	37	1,776	720	-	44	347	143	504	370	65
Retail trade .....	20,495	1,713	366	124	8,442	1,581	-	4,914	1,067	202	549	1,504	33
Finance, insurance, and real estate .....	8,201	2,128	255	178	1,965	2,994	-	302	220	18	16	22	105
Services .....	41,681	5,170	12,614	2,246	1,100	6,585	1,023	8,478	2,094	836	509	416	610
Private households .....	1,307	1	19	2	-	8	1,023	101	27	-	3	12	109
Other service industries .....	40,374	5,169	12,594	2,244	1,100	6,577	-	8,376	2,067	836	506	404	501
Professional services .....	27,452	3,209	11,121	1,939	197	4,887	-	4,926	440	229	248	104	152
Public administration .....	5,876	1,346	897	295	43	1,529	-	1,370	243	28	53	32	41

<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					
	Aug. 1992	Aug. 1993	Total		Wage and salary workers <sup>1</sup>			
			Aug. 1992	Aug. 1993	Paid absences		Unpaid absences	
					Aug. 1992	Aug. 1993	Aug. 1992	Aug. 1993
<b>Total, 16 years and over</b> .....	11,595	11,396	11,411	11,269	6,477	6,383	4,075	4,075
Vacation .....	9,121	9,028	9,025	8,949	5,688	5,634	2,791	2,822
Illness .....	1,165	1,123	1,137	1,104	487	493	567	509
Bad weather .....	53	29	32	28	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	5	38	5	38	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,252	1,178	1,212	1,149	302	256	718	744
<b>Men, 16 years and over</b> .....	4,818	4,781	4,679	4,673	2,893	2,925	1,335	1,317
Vacation .....	3,749	3,699	3,675	3,631	2,591	2,591	819	795
Illness .....	543	572	517	555	224	242	258	258
All other reasons <sup>2</sup> .....	526	511	487	487	77	92	258	264
<b>Women, 16 years and over</b> .....	6,778	6,615	6,732	6,596	3,584	3,458	2,742	2,760
Vacation .....	5,372	5,330	5,350	5,319	3,097	3,043	1,973	2,028
Illness .....	622	551	620	549	262	250	309	251
All other reasons <sup>2</sup> .....	784	734	762	729	225	164	460	480

<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	August 1993					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	109,605	3,168	106,438	100.0	100.0	100.0
1 to 34 hours .....	25,538	867	24,671	23.3	27.4	23.2
1 to 4 hours .....	715	38	678	.7	1.2	.6
5 to 14 hours .....	3,705	188	3,517	3.4	5.9	3.3
15 to 29 hours .....	13,020	416	12,604	11.9	13.1	11.8
30 to 34 hours .....	8,097	225	7,873	7.4	7.1	7.4
35 hours and over .....	84,067	2,301	81,767	76.7	72.6	76.8
35 to 39 hours .....	7,000	150	6,850	6.4	4.7	6.4
40 hours .....	42,976	678	42,299	39.2	21.4	39.7
41 hours and over .....	34,091	1,473	32,618	31.1	46.5	30.6
41 to 48 hours .....	11,541	295	11,247	10.5	9.3	10.6
49 to 59 hours .....	12,795	434	12,361	11.7	13.7	11.6
60 hours and over .....	9,755	745	9,010	8.9	23.5	8.5
Average hours, total at work .....	39.9	43.9	39.8	-	-	-
Average hours, workers on full-time schedules .....	43.9	51.1	43.7	-	-	-

**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	August 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 .....	25,538	8,366	17,172	24,671	8,098	16,573
Economic reasons .....	6,675	2,009	4,666	6,388	1,898	4,491
Slack work .....	3,055	1,627	1,428	2,886	1,520	1,366
Material shortages or repairs to plant and equipment .....	41	41	-	41	41	-
New job started during week .....	265	265	-	261	261	-
Job terminated during week .....	76	76	-	76	76	-
Could find only part-time work .....	3,239	-	3,239	3,124	-	3,124
Other reasons .....	18,864	6,358	12,506	18,283	6,200	12,083
Does not want, or unavailable for, full-time work .....	9,684	-	9,684	9,366	-	9,366
Vacation .....	3,009	3,009	-	2,960	2,960	-
Illness .....	1,399	1,223	176	1,366	1,204	162
Bad weather .....	241	241	-	187	187	-
Industrial dispute .....	-	-	-	-	-	-
Legal or religious holiday .....	111	111	-	110	110	-
Full time for this job .....	1,552	-	1,552	1,524	-	1,524
All other reasons .....	2,866	1,772	1,094	2,770	1,739	1,031
Average hours:						
Economic reasons .....	22.3	24.5	21.4	22.4	24.6	21.5
Other reasons .....	22.0	24.7	20.6	22.1	24.7	20.7
Worked 30 to 34 hours:						
Economic reasons .....	2,152	891	1,261	2,080	850	1,230
Other reasons .....	5,945	2,924	3,021	5,793	2,852	2,941

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	August 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 .....	106,438	6,388	12,083	87,967	55,349	11,247	21,371	39.8	43.7
Wage and salary workers .....	97,796	5,582	10,621	81,592	52,583	10,643	18,367	39.7	43.3
Mining .....	581	9	7	565	258	85	223	48.7	49.5
Construction .....	5,747	402	219	5,125	3,250	632	1,244	41.4	43.7
Manufacturing .....	18,145	500	537	17,109	10,334	2,829	3,946	42.6	43.8
Durable goods .....	10,380	201	207	9,972	5,955	1,636	2,381	43.2	44.0
Nondurable goods .....	7,765	298	331	7,136	4,379	1,193	1,564	41.9	43.7
Transportation and public utilities .....	7,381	218	355	6,808	4,048	973	1,787	42.7	44.5
Wholesale and retail trade .....	21,754	2,090	3,948	15,716	9,572	2,185	3,958	37.8	43.9
Finance, insurance, and real estate .....	6,952	153	540	6,259	4,284	631	1,343	40.4	42.5
Service industries .....	31,863	2,116	4,812	24,934	17,058	2,819	5,057	37.8	42.4
Private households .....	1,238	280	449	508	323	33	153	28.1	45.6
All other industries .....	30,625	1,836	4,363	24,426	16,734	2,787	4,904	38.1	42.3
Public administration .....	5,373	93	203	5,077	3,779	488	809	40.7	41.9
Self-employed workers .....	8,405	797	1,369	6,239	2,694	597	2,947	40.9	48.7
Unpaid family workers .....	237	9	93	136	72	7	57	37.0	46.9

**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	August 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 .....	106,438	6,388	12,083	67,967	55,349	32,618	39.8	43.7
16 to 19 years .....	6,052	1,082	2,429	2,542	1,992	550	28.6	40.3
16 to 17 years .....	2,453	462	1,353	637	514	123	24.5	39.4
18 to 19 years .....	3,600	619	1,076	1,905	1,477	427	31.6	40.6
20 years and over .....	100,386	5,306	9,654	65,425	53,357	32,068	40.4	43.6
20 to 24 years .....	11,689	1,116	1,505	9,068	6,366	2,702	38.0	42.3
25 years and over .....	88,696	4,190	8,149	76,357	46,991	29,365	40.6	43.9
25 to 44 years .....	57,293	2,751	4,267	50,275	30,654	19,621	41.3	44.0
45 to 64 years .....	26,685	1,293	2,593	24,779	15,400	9,379	40.9	43.9
65 years and over .....	2,739	145	1,289	1,305	938	367	29.3	42.1
<b>Men, 16 years and over</b> .....	58,924	3,112	3,626	52,186	29,060	23,126	42.5	45.3
16 to 19 years .....	3,126	537	1,125	1,466	1,106	360	30.0	40.9
16 to 17 years .....	1,293	232	671	390	298	92	25.6	39.5
18 to 19 years .....	1,835	305	454	1,076	808	268	33.2	41.4
20 years and over .....	55,798	2,575	2,501	50,720	27,954	22,766	43.2	45.4
20 to 24 years .....	6,237	559	609	5,069	3,276	1,793	39.8	43.6
25 years and over .....	49,559	2,016	1,892	45,651	24,678	20,973	43.7	45.6
25 to 44 years .....	32,018	1,370	665	29,983	15,960	14,023	44.2	45.6
45 to 64 years .....	15,983	577	562	14,844	8,157	6,687	43.9	45.6
65 years and over .....	1,559	69	665	826	564	262	31.1	42.9
<b>Women, 16 years and over</b> .....	47,514	3,276	6,457	35,781	26,289	9,492	36.3	41.3
16 to 19 years .....	2,925	545	1,303	1,076	886	190	27.6	39.4
16 to 17 years .....	1,160	231	682	247	216	31	23.3	39.1
18 to 19 years .....	1,765	314	622	829	670	159	30.4	39.5
20 years and over .....	44,590	2,731	7,153	34,705	25,403	9,302	36.9	41.4
20 to 24 years .....	5,453	558	896	3,999	3,090	909	35.9	40.7
25 years and over .....	39,137	2,173	6,257	30,706	22,313	8,393	37.1	41.5
25 to 44 years .....	25,275	1,380	3,602	20,293	14,696	5,597	37.6	41.5
45 to 64 years .....	12,682	716	2,030	9,936	7,244	2,692	37.0	41.4
65 years and over .....	1,181	77	625	479	375	105	27.1	40.6
<b>RACE</b>								
White, 16 years and over .....	91,195	5,205	10,745	75,246	45,796	29,448	39.9	43.9
Men .....	51,000	2,512	3,142	45,347	24,244	21,103	42.9	45.5
Women .....	40,195	2,693	7,603	29,899	21,554	8,345	36.2	41.4
Black, 16 years and over .....	11,289	929	943	9,417	7,243	2,174	38.5	41.6
Men .....	5,722	454	345	4,923	3,561	1,362	39.8	42.8
Women .....	5,567	475	598	4,495	3,682	813	37.1	40.6
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	36,050	1,103	1,302	33,645	17,695	15,951	44.1	45.8
Widowed, divorced, or separated .....	6,533	400	271	5,862	3,156	2,706	43.5	46.0
Single (never married) .....	16,341	1,609	2,054	12,678	8,209	4,489	38.6	43.5
Women, 16 years and over:								
Married, spouse present .....	25,164	1,311	4,873	18,981	14,212	4,769	36.1	40.9
Widowed, divorced, or separated .....	9,818	655	1,202	7,961	5,552	2,408	38.0	42.0
Single (never married) .....	12,532	1,311	2,382	8,840	6,525	2,315	35.6	41.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	August 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		
<b>Total, 16 years and over<sup>1</sup></b> .....	<b>105,979</b>	<b>6,312</b>	<b>12,003</b>	<b>87,664</b>	<b>55,057</b>	<b>11,235</b>	<b>21,373</b>	<b>39.8</b>	<b>43.7</b>
<b>Managerial and professional specialty</b> .....	<b>27,221</b>	<b>683</b>	<b>2,142</b>	<b>24,396</b>	<b>13,596</b>	<b>3,062</b>	<b>7,739</b>	<b>42.1</b>	<b>44.6</b>
Executive, administrative, and managerial .....	14,161	229	629	13,303	6,862	1,709	4,732	44.2	45.6
Professional specialty .....	13,059	454	1,513	11,093	6,734	1,353	3,006	39.8	43.4
<b>Technical, sales, and administrative support</b> .....	<b>34,157</b>	<b>1,753</b>	<b>4,975</b>	<b>27,429</b>	<b>18,437</b>	<b>3,271</b>	<b>5,721</b>	<b>38.6</b>	<b>42.8</b>
Technicians and related support .....	3,636	88	363	3,185	2,204	416	565	40.0	42.4
Sales occupations .....	13,551	1,010	2,290	10,251	5,426	1,268	3,557	39.7	45.5
Administrative support, including clerical .....	16,969	655	2,322	13,993	10,807	1,587	1,599	37.5	40.9
<b>Service occupations</b> .....	<b>15,215</b>	<b>1,915</b>	<b>3,465</b>	<b>9,835</b>	<b>7,091</b>	<b>1,047</b>	<b>1,698</b>	<b>34.9</b>	<b>42.3</b>
Private household .....	968	204	357	407	251	31	125	29.1	46.1
Protective service .....	1,815	51	126	1,638	1,052	222	364	42.0	44.4
Service, except private household and protective .....	12,432	1,660	2,981	7,791	5,788	794	1,209	34.3	41.7
<b>Precision production, craft, and repair</b> .....	<b>13,253</b>	<b>769</b>	<b>391</b>	<b>12,093</b>	<b>7,233</b>	<b>1,819</b>	<b>3,041</b>	<b>42.4</b>	<b>44.3</b>
Operators, fabricators, and laborers .....	16,134	1,193	1,030	13,911	8,701	2,036	3,174	41.1	44.1
Machine operators, assemblers, and inspectors .....	7,116	407	289	6,419	4,352	980	1,087	41.0	43.0
Transportation and material moving occupations .....	4,603	244	218	4,142	1,968	602	1,571	44.7	47.3
Handlers, equipment cleaners, helpers, and laborers .....	4,415	542	523	3,350	2,381	453	516	37.4	42.3
<b>Men, 16 years and over<sup>1</sup></b> .....	<b>58,356</b>	<b>3,041</b>	<b>3,517</b>	<b>51,798</b>	<b>28,724</b>	<b>7,045</b>	<b>16,029</b>	<b>42.6</b>	<b>45.3</b>
<b>Managerial and professional specialty</b> .....	<b>14,910</b>	<b>330</b>	<b>573</b>	<b>14,007</b>	<b>6,698</b>	<b>1,693</b>	<b>5,616</b>	<b>44.9</b>	<b>46.5</b>
Executive, administrative, and managerial .....	8,198	122	208	7,868	3,511	952	3,405	46.1	47.2
Professional specialty .....	6,712	208	365	6,139	3,186	741	2,212	43.5	45.8
<b>Technical, sales, and administrative support</b> .....	<b>12,712</b>	<b>493</b>	<b>968</b>	<b>11,252</b>	<b>5,975</b>	<b>1,566</b>	<b>3,711</b>	<b>42.8</b>	<b>45.6</b>
Technicians and related support .....	1,819	45	79	1,696	1,066	237	393	42.2	43.5
Sales occupations .....	7,183	313	617	6,253	2,689	831	2,732	44.2	47.6
Administrative support, including clerical .....	3,710	135	272	3,303	2,219	498	586	40.5	42.8
<b>Service occupations</b> .....	<b>6,212</b>	<b>626</b>	<b>971</b>	<b>4,615</b>	<b>3,142</b>	<b>546</b>	<b>927</b>	<b>37.7</b>	<b>43.2</b>
Private household .....	43	5	12	26	15	-	12	( <sup>2</sup> )	( <sup>2</sup> )
Protective service .....	1,483	32	89	1,362	843	190	329	43.0	45.0
Service, except private household and protective .....	4,686	588	871	3,227	2,284	356	587	36.0	42.4
<b>Precision production, craft, and repair</b> .....	<b>12,146</b>	<b>725</b>	<b>328</b>	<b>11,094</b>	<b>6,542</b>	<b>1,652</b>	<b>2,900</b>	<b>42.6</b>	<b>44.5</b>
Operators, fabricators, and laborers .....	12,375	868	678	10,830	6,367	1,589	2,874	42.2	45.0
Machine operators, assemblers, and inspectors .....	4,417	206	105	4,106	2,617	639	849	42.5	44.0
Transportation and material moving occupations .....	4,314	213	169	3,932	1,823	563	1,546	45.4	47.7
Handlers, equipment cleaners, helpers, and laborers .....	3,644	449	404	2,792	1,927	386	478	38.0	42.8
<b>Women, 16 years and over<sup>1</sup></b> .....	<b>47,623</b>	<b>3,271</b>	<b>8,486</b>	<b>35,867</b>	<b>26,333</b>	<b>4,190</b>	<b>5,344</b>	<b>36.4</b>	<b>41.3</b>
<b>Managerial and professional specialty</b> .....	<b>12,311</b>	<b>353</b>	<b>1,569</b>	<b>10,389</b>	<b>6,898</b>	<b>1,369</b>	<b>2,122</b>	<b>38.6</b>	<b>42.0</b>
Executive, administrative, and managerial .....	5,964	107	421	5,436	3,350	757	1,328	41.5	43.5
Professional specialty .....	6,347	246	1,148	4,954	3,547	612	795	35.9	40.5
<b>Technical, sales, and administrative support</b> .....	<b>21,444</b>	<b>1,260</b>	<b>4,007</b>	<b>16,178</b>	<b>12,462</b>	<b>1,705</b>	<b>2,011</b>	<b>36.1</b>	<b>40.8</b>
Technicians and related support .....	1,817	43	284	1,489	1,138	179	173	37.9	41.0
Sales occupations .....	6,368	697	1,673	3,998	2,736	437	825	34.6	42.1
Administrative support, including clerical .....	13,259	519	2,050	10,690	8,588	1,089	1,013	36.6	40.3
<b>Service occupations</b> .....	<b>9,003</b>	<b>1,289</b>	<b>2,494</b>	<b>5,220</b>	<b>3,949</b>	<b>501</b>	<b>771</b>	<b>32.9</b>	<b>41.5</b>
Private household .....	925	199	345	381	237	31	113	28.7	45.6
Protective service .....	332	18	38	275	208	31	36	37.4	41.2
Service, except private household and protective .....	7,746	1,072	2,111	4,564	3,504	438	622	33.2	41.2
<b>Precision production, craft, and repair</b> .....	<b>1,106</b>	<b>44</b>	<b>64</b>	<b>998</b>	<b>690</b>	<b>168</b>	<b>141</b>	<b>39.8</b>	<b>41.7</b>
Operators, fabricators, and laborers .....	3,759	325	353	3,081	2,334	447	300	37.6	41.0
Machine operators, assemblers, and inspectors .....	2,699	201	185	2,313	1,734	341	237	38.6	41.2
Transportation and material moving occupations .....	289	31	49	210	145	39	25	34.8	40.7
Handlers, equipment cleaners, helpers, and laborers .....	771	93	119	559	454	67	37	34.9	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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	193,356	193,513	193,683	193,847	194,026	194,159	194,298	194,456	194,618	194,767	194,933	195,104	195,275
Labor force <sup>1</sup> .....	128,970	128,840	128,618	128,896	129,108	128,598	128,839	128,926	128,833	129,615	129,604	129,541	129,852
Percent of population <sup>2</sup> .....	66.7	66.6	66.4	66.5	66.5	66.2	66.3	66.3	66.2	66.5	66.5	66.4	66.5
Total employed <sup>1</sup> .....	119,346	119,290	119,239	119,595	119,828	119,586	119,963	120,062	119,908	120,757	120,696	120,772	121,192
Employment-population ratio <sup>3</sup> .....	61.7	61.6	61.6	61.7	61.8	61.6	61.7	61.7	61.6	62.0	61.9	61.9	62.1
Resident Armed Forces .....	1,566	1,566	1,552	1,531	1,517	1,515	1,512	1,497	1,492	1,484	1,477	1,471	1,482
Civilian employed .....	117,780	117,724	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710
Agriculture .....	3,218	3,221	3,169	3,209	3,262	3,191	3,116	3,082	3,060	3,070	3,024	3,039	2,980
Nonagricultural industries .....	114,562	114,503	114,518	114,855	115,049	114,879	115,335	115,483	115,356	116,203	116,195	116,262	116,729
Unemployed .....	9,624	9,550	9,379	9,301	9,280	9,013	8,876	8,864	8,925	8,858	8,908	8,769	8,661
Unemployment rate <sup>4</sup> .....	7.5	7.4	7.3	7.2	7.2	7.0	6.9	6.9	6.9	6.8	6.9	6.8	6.7
Not in labor force .....	64,386	64,673	65,065	64,951	64,918	65,561	65,459	65,530	65,785	65,152	65,329	65,563	65,423
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	93,061	93,146	93,238	93,324	93,420	93,488	93,563	93,646	93,731	93,809	93,896	93,986	94,076
Labor force <sup>1</sup> .....	70,840	70,860	70,728	70,708	70,754	70,473	70,690	70,835	70,773	71,047	71,082	71,056	71,259
Percent of population <sup>2</sup> .....	76.1	76.1	75.9	75.8	75.7	75.4	75.6	75.6	75.5	75.7	75.7	75.6	75.7
Total employed <sup>1</sup> .....	65,309	65,383	65,318	65,416	65,554	65,544	65,693	65,674	65,694	66,056	66,006	65,999	66,285
Employment-population ratio <sup>3</sup> .....	70.2	70.2	70.1	70.1	70.2	70.1	70.2	70.1	70.1	70.4	70.3	70.2	70.4
Resident Armed Forces .....	1,408	1,407	1,394	1,373	1,360	1,358	1,355	1,342	1,338	1,330	1,323	1,317	1,327
Civilian employed .....	63,901	63,976	63,924	64,043	64,194	64,186	64,338	64,332	64,356	64,726	64,683	64,682	64,938
Unemployed .....	5,531	5,477	5,410	5,292	5,200	4,929	4,997	5,160	5,079	4,992	5,075	5,057	4,994
Unemployment rate <sup>4</sup> .....	7.8	7.7	7.6	7.5	7.3	7.0	7.1	7.3	7.2	7.0	7.1	7.1	7.0
Not in labor force .....	22,221	22,286	22,510	22,616	22,666	23,015	22,873	22,811	22,958	22,762	22,814	22,930	22,817
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	100,295	100,367	100,445	100,523	100,606	100,671	100,734	100,809	100,887	100,959	101,037	101,119	101,199
Labor force <sup>1</sup> .....	58,130	57,980	57,890	58,188	58,354	58,125	58,149	58,091	58,061	58,567	58,522	58,485	58,594
Percent of population <sup>2</sup> .....	58.0	57.8	57.6	57.9	58.0	57.7	57.7	57.6	57.6	58.0	57.9	57.8	57.9
Total employed <sup>1</sup> .....	54,037	53,907	53,921	54,179	54,274	54,042	54,271	54,388	54,214	54,701	54,689	54,772	54,927
Employment-population ratio <sup>3</sup> .....	53.9	53.7	53.7	53.9	53.9	53.7	53.9	54.0	53.7	54.2	54.1	54.2	54.3
Resident Armed Forces .....	158	159	158	158	157	157	157	155	154	154	154	154	155
Civilian employed .....	53,879	53,748	53,763	54,021	54,117	53,885	54,114	54,233	54,060	54,547	54,535	54,618	54,772
Unemployed .....	4,093	4,073	3,969	4,009	4,080	4,083	3,879	3,704	3,846	3,866	3,833	3,712	3,667
Unemployment rate <sup>4</sup> .....	7.0	7.0	6.9	6.9	7.0	7.0	6.7	6.4	6.6	6.6	6.5	6.3	6.3
Not in labor force .....	42,165	42,387	42,555	42,335	42,252	42,546	42,585	42,718	42,826	42,392	42,515	42,634	42,605

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

(Numbers in thousands)

Employment status, sex, and age	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	191,790	191,947	192,131	192,316	192,509	192,644	192,786	192,959	193,126	193,283	193,456	193,633	193,793
Civilian labor force .....	127,404	127,274	127,066	127,365	127,591	127,083	127,327	127,429	127,341	128,131	128,127	128,070	128,370
Percent of population .....	66.4	66.3	66.1	66.2	66.3	66.0	66.0	66.0	65.9	66.3	66.2	66.1	66.2
Employed .....	117,780	117,724	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710
Employment-population ratio <sup>2</sup> .....	61.4	61.3	61.3	61.4	61.5	61.3	61.4	61.4	61.3	61.7	61.6	61.6	61.8
Unemployed .....	9,624	9,550	9,379	9,301	9,280	9,013	8,876	8,864	8,925	8,858	8,908	8,769	8,661
Unemployment rate .....	7.6	7.5	7.4	7.3	7.3	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.7
<b>Men, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	91,653	91,739	91,844	91,951	92,060	92,130	92,208	92,304	92,393	92,479	92,573	92,669	92,749
Civilian labor force .....	69,432	69,453	69,334	69,335	69,394	69,115	69,335	69,493	69,435	69,717	69,759	69,739	69,932
Percent of population .....	75.8	75.7	75.5	75.4	75.4	75.0	75.2	75.3	75.2	75.4	75.4	75.3	75.4
Employed .....	63,901	63,976	63,924	64,043	64,194	64,186	64,338	64,332	64,356	64,726	64,683	64,682	64,938
Employment-population ratio <sup>2</sup> .....	69.7	69.7	69.6	69.8	69.7	69.7	69.8	69.7	69.7	70.0	69.9	69.8	70.0
Agriculture .....	2,547	2,573	2,550	2,541	2,593	2,534	2,521	2,434	2,462	2,450	2,396	2,381	2,321
Nonagricultural industries .....	61,354	61,403	61,374	61,502	61,601	61,651	61,817	61,899	61,893	62,276	62,288	62,301	62,616
Unemployed .....	5,531	5,477	5,410	5,292	5,200	4,929	4,997	5,160	5,079	4,992	5,075	5,057	4,994
Unemployment rate .....	8.0	7.9	7.8	7.6	7.5	7.1	7.2	7.4	7.3	7.2	7.3	7.3	7.1
Not in labor force .....	22,221	22,286	22,510	22,616	22,666	23,015	22,873	22,811	22,958	22,762	22,814	22,930	22,817
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	85,010	85,075	85,159	85,259	85,369	85,445	85,554	85,664	85,731	85,816	85,872	85,950	86,002
Civilian labor force .....	65,857	65,805	65,811	65,740	65,785	65,624	65,734	65,901	65,819	66,157	66,143	66,136	66,274
Percent of population .....	77.5	77.3	77.3	77.1	77.1	76.8	76.8	76.9	76.8	77.1	77.0	76.9	77.1
Employed .....	61,104	61,125	61,088	61,206	61,326	61,423	61,479	61,466	61,579	61,892	61,847	61,816	62,011
Employment-population ratio <sup>2</sup> .....	71.9	71.8	71.7	71.8	71.8	71.9	71.9	71.8	71.8	72.1	72.0	71.9	72.1
Agriculture .....	2,363	2,382	2,378	2,326	2,371	2,340	2,299	2,248	2,273	2,237	2,212	2,228	2,164
Nonagricultural industries .....	58,741	58,743	58,710	58,880	58,955	59,083	59,180	59,218	59,305	59,655	59,636	59,588	59,847
Unemployed .....	4,753	4,680	4,723	4,534	4,459	4,201	4,255	4,435	4,240	4,266	4,295	4,320	4,263
Unemployment rate .....	7.2	7.1	7.2	6.9	6.8	6.4	6.5	6.7	6.4	6.4	6.5	6.5	6.4
Not in labor force .....	19,153	19,270	19,348	19,519	19,584	19,821	19,820	19,763	19,912	19,659	19,729	19,814	19,728
<b>Women, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	100,137	100,208	100,287	100,365	100,449	100,514	100,577	100,654	100,733	100,805	100,883	100,965	101,044
Civilian labor force .....	57,972	57,821	57,732	58,030	58,197	57,968	57,992	57,936	57,907	58,413	58,368	58,331	58,439
Percent of population .....	57.9	57.7	57.6	57.8	57.9	57.7	57.7	57.6	57.5	57.9	57.9	57.8	57.8
Employed .....	53,879	53,748	53,763	54,021	54,117	53,885	54,114	54,233	54,060	54,547	54,535	54,618	54,772
Employment-population ratio <sup>2</sup> .....	53.8	53.6	53.6	53.8	53.9	53.6	53.8	53.9	53.7	54.1	54.1	54.1	54.2
Agriculture .....	671	648	619	668	669	657	596	649	598	620	628	658	659
Nonagricultural industries .....	53,208	53,100	53,144	53,353	53,448	53,228	53,518	53,584	53,462	53,927	53,908	53,960	54,113
Unemployed .....	4,093	4,073	3,969	4,009	4,080	4,083	3,879	3,704	3,846	3,866	3,833	3,712	3,667
Unemployment rate .....	7.1	7.0	6.9	6.9	7.0	7.0	6.7	6.4	6.6	6.6	6.6	6.4	6.3
Not in labor force .....	42,165	42,387	42,555	42,335	42,252	42,546	42,585	42,718	42,826	42,392	42,515	42,634	42,605
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	93,635	93,703	93,771	93,849	93,960	94,007	94,088	94,148	94,214	94,264	94,315	94,425	94,490
Civilian labor force .....	54,773	54,611	54,578	54,832	55,010	54,733	54,742	54,779	54,704	55,020	55,169	55,053	55,238
Percent of population .....	58.5	58.3	58.2	58.4	58.5	58.2	58.2	58.2	58.1	58.4	58.5	58.3	58.5
Employed .....	51,247	51,141	51,182	51,435	51,494	51,246	51,466	51,668	51,433	51,801	51,903	51,854	52,088
Employment-population ratio <sup>2</sup> .....	54.7	54.6	54.6	54.8	54.8	54.5	54.7	54.9	54.6	55.0	55.0	54.9	55.1
Agriculture .....	619	594	584	616	613	608	551	618	576	594	591	623	620
Nonagricultural industries .....	50,628	50,547	50,598	50,819	50,881	50,638	50,915	51,050	50,856	51,207	51,312	51,231	51,468
Unemployed .....	3,526	3,470	3,396	3,397	3,516	3,486	3,276	3,111	3,271	3,219	3,267	3,198	3,150
Unemployment rate .....	6.4	6.4	6.2	6.2	6.4	6.4	6.0	5.7	6.0	5.9	5.9	5.8	5.7
Not in labor force .....	38,862	39,092	39,193	39,017	38,950	39,274	39,346	39,369	39,510	39,244	39,146	39,372	39,252
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	13,145	13,169	13,200	13,208	13,181	13,191	13,143	13,147	13,181	13,203	13,270	13,258	13,301
Civilian labor force .....	6,774	6,858	6,677	6,793	6,796	6,726	6,851	6,749	6,819	6,953	6,815	6,881	6,858
Percent of population .....	51.5	52.1	50.6	51.4	51.6	51.0	52.1	51.3	51.7	52.7	51.4	51.9	51.6
Employed .....	5,429	5,458	5,417	5,423	5,491	5,401	5,506	5,431	5,405	5,580	5,469	5,630	5,610
Employment-population ratio <sup>2</sup> .....	41.3	41.4	41.0	41.1	41.7	40.9	41.9	41.3	41.0	42.3	41.2	42.5	42.2
Agriculture .....	236	245	207	267	278	243	266	216	211	239	221	188	196
Nonagricultural industries .....	5,193	5,213	5,210	5,156	5,213	5,158	5,240	5,215	5,194	5,341	5,248	5,442	5,414
Unemployed .....	1,345	1,400	1,260	1,370	1,305	1,325	1,345	1,318	1,414	1,373	1,346	1,251	1,248
Unemployment rate .....	19.9	20.4	18.9	20.2	19.2	19.7	19.6	19.5	20.7	19.7	19.8	18.2	18.2
Not in labor force .....	6,371	6,311	6,523	6,415	6,385	6,465	6,292	6,398	6,362	6,250	6,455	6,377	6,443

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

population.

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

**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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	162,791	162,891	163,013	163,132	163,259	163,343	163,429	163,543	163,649	163,748	163,857	163,971	164,074
Civilian labor force .....	108,707	108,606	108,483	108,723	108,946	108,729	108,754	108,998	108,589	109,277	109,484	109,381	109,705
Percent of population .....	66.8	66.7	66.5	66.6	66.7	66.6	66.5	66.6	66.4	66.7	66.8	66.7	66.9
Employed .....	101,524	101,412	101,458	101,816	102,043	101,987	102,109	102,339	102,035	102,675	102,784	102,790	103,223
Employment-population ratio <sup>2</sup> .....	62.4	62.3	62.2	62.4	62.5	62.4	62.5	62.6	62.3	62.7	62.7	62.7	62.9
Unemployed .....	7,183	7,194	7,025	6,907	6,903	6,742	6,645	6,659	6,554	6,602	6,700	6,591	6,482
Unemployment rate .....	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.1	6.0	6.0	6.1	6.0	5.9
<b>Men, 20 years and over</b>													
Civilian labor force .....	56,926	56,902	56,910	56,858	56,937	56,895	56,942	57,070	56,895	57,073	57,172	57,110	57,223
Percent of population .....	77.9	77.8	77.7	77.6	77.6	77.5	77.5	77.6	77.3	77.5	77.6	77.4	77.6
Employed .....	53,300	53,279	53,305	53,369	53,543	53,615	53,649	53,656	53,667	53,834	53,919	53,769	53,984
Employment-population ratio <sup>2</sup> .....	72.9	72.8	72.8	72.8	73.0	73.0	73.0	73.0	72.9	73.1	73.2	72.9	73.2
Unemployed .....	3,626	3,623	3,605	3,489	3,394	3,280	3,293	3,414	3,228	3,240	3,253	3,341	3,239
Unemployment rate .....	6.4	6.4	6.3	6.1	6.0	5.8	5.8	6.0	5.7	5.7	5.7	5.9	5.7
<b>Women, 20 years and over</b>													
Civilian labor force .....	46,055	45,888	45,905	46,095	46,240	46,096	46,002	46,142	45,908	46,321	46,556	46,486	46,613
Percent of population .....	58.2	57.9	57.9	58.1	58.3	58.1	57.9	58.1	57.7	58.2	58.5	58.4	58.5
Employed .....	43,468	43,326	43,365	43,661	43,667	43,583	43,626	43,839	43,564	43,943	44,061	44,137	44,310
Employment-population ratio <sup>2</sup> .....	54.9	54.7	54.7	55.0	55.0	54.9	54.9	55.2	54.8	55.2	55.3	55.4	55.6
Unemployed .....	2,587	2,562	2,540	2,434	2,573	2,513	2,377	2,303	2,345	2,377	2,495	2,349	2,303
Unemployment rate .....	5.6	5.6	5.5	5.3	5.6	5.5	5.2	5.0	5.1	5.1	5.4	5.1	4.9
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	5,726	5,816	5,668	5,770	5,769	5,738	5,810	5,786	5,785	5,883	5,755	5,785	5,869
Percent of population .....	54.6	55.4	54.0	54.9	54.9	54.5	55.2	54.9	54.9	55.7	54.5	54.7	55.4
Employed .....	4,756	4,807	4,788	4,786	4,833	4,789	4,834	4,844	4,804	4,898	4,804	4,884	4,929
Employment-population ratio <sup>2</sup> .....	45.4	45.8	45.6	45.5	46.0	45.5	45.9	46.0	45.6	46.4	45.5	46.2	46.5
Unemployed .....	970	1,009	880	984	936	949	976	942	981	985	951	901	940
Unemployment rate .....	16.9	17.3	15.5	17.1	16.2	16.5	16.8	16.3	17.0	16.7	16.5	15.6	16.0
Men .....	18.5	18.7	15.9	17.7	17.2	18.1	17.9	16.5	19.2	17.0	19.0	17.8	17.9
Women .....	15.2	15.8	15.1	16.4	15.1	14.9	15.6	16.0	14.5	16.5	13.8	13.1	13.9
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	21,997	22,027	22,061	22,096	22,131	22,157	22,184	22,217	22,249	22,280	22,313	22,346	22,375
Civilian labor force .....	14,106	13,981	13,948	13,894	13,935	13,822	14,018	13,834	13,872	13,955	13,921	13,930	13,980
Percent of population .....	64.1	63.5	63.2	62.9	63.0	62.4	63.2	62.3	62.4	62.6	62.4	62.3	62.5
Employed .....	12,098	12,033	11,984	11,948	11,960	11,853	12,186	11,962	11,959	12,157	12,068	12,134	12,239
Employment-population ratio <sup>2</sup> .....	55.0	54.6	54.3	54.1	54.0	53.5	54.9	53.8	53.7	54.6	54.1	54.3	54.7
Unemployed .....	2,008	1,948	1,964	1,946	1,975	1,969	1,832	1,871	1,913	1,798	1,854	1,796	1,741
Unemployment rate .....	14.2	13.9	14.1	14.0	14.2	14.2	13.1	13.5	13.8	12.9	13.3	12.9	12.5
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,534	6,495	6,499	6,481	6,450	6,486	6,534	6,491	6,412	6,485	6,494	6,515	6,579
Percent of population .....	73.6	73.1	73.0	72.6	72.1	72.4	72.9	72.3	71.3	72.0	71.9	72.0	72.7
Employed .....	5,634	5,620	5,611	5,640	5,589	5,645	5,754	5,640	5,597	5,698	5,669	5,754	5,781
Employment-population ratio <sup>2</sup> .....	63.5	63.2	63.0	63.2	62.5	63.1	64.2	62.8	62.2	63.2	62.8	63.6	63.8
Unemployed .....	900	875	888	841	861	841	781	851	815	786	826	761	799
Unemployment rate .....	13.8	13.5	13.7	13.0	13.3	13.0	11.9	13.1	12.7	12.1	12.7	11.7	12.1
<b>Women, 20 years and over</b>													
Civilian labor force .....	6,757	6,675	6,682	6,639	6,687	6,536	6,683	6,584	6,659	6,632	6,662	6,593	6,623
Percent of population .....	61.2	60.3	60.3	59.9	60.2	58.8	60.0	59.1	59.6	59.3	59.5	58.8	59.0
Employed .....	5,954	5,944	5,930	5,854	5,889	5,717	5,936	5,897	5,936	5,958	5,951	5,851	5,924
Employment-population ratio <sup>2</sup> .....	53.9	53.7	53.5	52.8	53.0	51.4	53.3	52.9	53.2	53.3	53.2	52.2	52.8
Unemployed .....	803	731	752	785	798	819	747	687	723	674	711	742	699
Unemployment rate .....	11.9	11.0	11.3	11.8	11.9	12.5	11.2	10.4	10.9	10.2	10.7	11.3	10.6

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	815	811	767	774	798	800	800	758	801	838	765	822	778
Percent of population .....	39.3	39.1	36.9	37.2	38.3	38.4	38.4	36.3	38.4	40.1	36.6	39.2	37.0
Employed .....	510	469	443	454	482	490	496	425	426	500	448	529	534
Employment-population ratio <sup>2</sup> .....	24.6	22.6	21.3	21.8	23.2	23.5	23.8	20.4	20.4	23.9	21.4	25.3	25.4
Unemployed .....	305	342	324	320	316	310	304	333	375	338	317	293	244
Unemployment rate .....	37.4	42.2	42.2	41.3	39.6	38.7	38.0	43.9	46.8	40.3	41.4	35.6	31.4
Men .....	42.7	44.3	44.2	44.8	42.2	39.0	37.4	45.4	47.9	40.3	36.9	37.1	32.6
Women .....	31.8	39.8	39.8	37.5	36.5	38.5	38.6	42.0	45.3	40.4	46.6	33.9	29.9
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,303	15,342	15,382	15,421	15,461	15,500	15,540	15,585	15,635	15,681	15,729	15,777	15,824
Civilian labor force .....	10,116	10,213	10,210	10,211	10,351	10,225	10,280	10,343	10,210	10,232	10,255	10,348	10,291
Percent of population .....	66.1	66.6	66.4	66.2	66.9	66.0	66.1	66.4	65.3	65.2	65.2	65.6	65.0
Employed .....	8,969	9,028	9,011	8,990	9,145	9,043	9,108	9,166	9,148	9,239	9,206	9,221	9,295
Employment-population ratio <sup>2</sup> .....	58.6	58.8	58.6	58.3	59.1	58.3	58.6	58.8	58.5	58.9	58.5	58.4	58.7
Unemployed .....	1,147	1,185	1,199	1,221	1,206	1,182	1,171	1,177	1,062	993	1,050	1,127	996
Unemployment rate .....	11.3	11.6	11.7	12.0	11.7	11.6	11.4	11.4	10.4	9.7	10.2	10.9	9.7

<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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>CHARACTERISTIC</b>													
Total .....	117,780	117,724	117,667	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710
Married men, spouse present .....	40,318	40,292	40,324	40,487	40,639	40,607	40,903	40,902	41,002	41,188	41,044	40,882	40,754
Married women, spouse present .....	30,212	30,108	30,030	30,244	30,403	30,298	30,515	30,669	30,171	30,401	30,329	30,261	30,555
Women who maintain families .....	6,641	6,639	6,626	6,585	6,548	6,555	6,615	6,792	6,942	6,826	6,780	6,823	6,887
<b>OCCUPATION</b>													
Managerial and professional specialty .....	31,198	31,174	31,289	31,529	31,485	31,874	31,907	32,272	31,682	32,056	32,149	32,361	32,509
Technical, sales, and administrative support .....	36,867	36,700	36,538	36,804	36,799	36,363	36,767	36,332	36,403	36,785	36,877	37,223	36,878
Service occupations .....	16,007	16,274	16,076	15,999	16,226	16,414	16,461	16,436	16,505	16,666	16,532	16,396	16,419
Precision production, craft, and repair .....	13,255	13,318	13,328	13,203	13,271	12,937	12,841	12,867	13,086	13,324	13,469	13,236	13,788
Operators, fabricators, and laborers .....	16,962	16,829	16,907	17,030	16,959	17,132	17,341	17,175	17,232	17,087	16,870	16,798	16,904
Farming, forestry, and fishing .....	3,489	3,509	3,547	3,507	3,525	3,403	3,319	3,385	3,288	3,356	3,280	3,279	3,235
<b>INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,698	1,694	1,656	1,685	1,735	1,661	1,614	1,568	1,632	1,586	1,584	1,619	1,544
Self-employed workers .....	1,417	1,397	1,405	1,370	1,397	1,404	1,363	1,377	1,324	1,368	1,335	1,320	1,307
Unpaid family workers .....	103	108	118	163	106	145	136	130	105	111	100	89	116
Nonagricultural industries:													
Wage and salary workers .....	105,697	105,643	105,863	105,913	105,978	105,883	106,163	106,447	106,055	106,777	106,870	106,924	107,416
Government .....	18,378	18,505	18,371	18,216	18,065	18,481	18,507	18,536	18,471	18,604	18,611	18,399	18,571
Private industries .....	87,319	87,138	87,492	87,697	87,913	87,402	87,655	87,911	87,583	88,173	88,258	88,524	88,845
Private households .....	1,116	1,158	1,102	1,109	1,091	1,061	1,071	1,143	1,113	1,089	1,043	1,075	1,155
Other industries .....	86,203	85,980	86,390	86,588	86,822	86,341	86,584	86,769	86,470	87,084	87,215	87,449	87,690
Self-employed workers .....	8,642	8,662	8,558	8,700	8,668	8,793	9,065	8,832	8,950	9,246	9,164	9,118	9,032
Unpaid family workers .....	242	217	189	220	221	250	226	206	234	193	148	199	249
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	6,352	6,362	6,434	6,493	6,349	6,113	6,461	6,194	6,458	6,580	6,322	6,489	6,531
Slack work .....	3,254	3,171	3,160	3,161	3,206	2,994	3,150	3,039	3,128	3,206	3,417	3,050	3,250
Could only find part-time work .....	2,849	2,879	2,988	3,060	2,865	2,887	2,991	2,855	3,000	3,034	2,698	3,033	2,969
Voluntary part time .....	15,082	14,805	14,726	14,834	14,895	14,788	14,698	14,799	14,529	15,034	15,612	15,140	15,326
Nonagricultural industries:													
Part time for economic reasons .....	6,099	6,096	6,151	6,230	6,063	5,887	6,242	5,965	6,238	6,268	6,176	6,255	6,287
Slack work .....	3,121	3,001	2,993	2,984	3,024	2,800	2,990	2,887	2,963	3,028	3,272	2,880	3,100
Could only find part-time work .....	2,756	2,826	2,905	2,998	2,793	2,849	2,931	2,781	2,904	2,919	2,631	2,983	2,877
Voluntary part time .....	14,721	14,358	14,324	14,413	14,476	14,364	14,282	14,319	14,129	14,556	15,205	14,714	14,954

<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.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	117,780	117,724	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710
16 to 24 years .....	17,609	17,603	17,488	17,606	17,690	17,547	17,659	17,622	17,517	17,791	17,684	17,798	17,690
16 to 19 years .....	5,429	5,458	5,417	5,423	5,491	5,401	5,506	5,431	5,405	5,580	5,469	5,630	5,610
16 to 17 years .....	2,112	2,083	2,024	2,028	2,093	2,074	2,146	2,059	2,020	2,212	2,050	2,156	2,194
18 to 19 years .....	3,319	3,384	3,401	3,384	3,379	3,335	3,381	3,375	3,380	3,361	3,389	3,429	3,408
20 to 24 years .....	12,180	12,145	12,071	12,183	12,199	12,146	12,152	12,191	12,112	12,211	12,215	12,168	12,080
25 years and over .....	100,197	100,128	100,206	100,419	100,603	100,481	100,904	100,941	100,825	101,463	101,503	101,507	102,029
25 to 54 years .....	85,557	85,539	85,588	85,726	85,942	85,956	86,041	86,338	86,247	86,612	86,712	86,977	87,227
55 years and over .....	14,651	14,607	14,598	14,729	14,643	14,599	14,872	14,642	14,620	14,741	14,792	14,581	14,840
Men, 16 years and over .....	63,901	63,976	63,924	64,043	64,194	64,186	64,338	64,332	64,356	64,726	64,683	64,682	64,938
16 to 24 years .....	9,210	9,278	9,236	9,241	9,275	9,165	9,295	9,262	9,062	9,165	9,158	9,200	9,283
16 to 19 years .....	2,797	2,851	2,836	2,837	2,868	2,763	2,859	2,867	2,777	2,834	2,836	2,866	2,926
16 to 17 years .....	1,066	1,111	1,068	1,064	1,099	1,048	1,105	1,116	1,040	1,125	1,064	1,113	1,141
18 to 19 years .....	1,710	1,755	1,773	1,769	1,757	1,728	1,755	1,758	1,741	1,706	1,744	1,722	1,749
20 to 24 years .....	6,413	6,427	6,400	6,404	6,407	6,402	6,436	6,396	6,285	6,331	6,322	6,334	6,357
25 years and over .....	54,693	54,694	54,690	54,808	54,918	55,002	55,114	55,031	55,220	55,544	55,503	55,505	55,655
25 to 54 years .....	46,430	46,455	46,478	46,495	46,624	46,775	46,733	46,803	46,980	47,197	47,185	47,349	47,385
55 years and over .....	8,269	8,243	8,214	8,328	8,270	8,305	8,404	8,269	8,238	8,304	8,278	8,194	8,292
Women, 16 years and over .....	53,879	53,748	53,763	54,021	54,117	53,885	54,114	54,233	54,060	54,547	54,535	54,618	54,772
16 to 24 years .....	8,399	8,325	8,252	8,365	8,415	8,382	8,364	8,360	8,456	8,626	8,526	8,598	8,407
16 to 19 years .....	2,632	2,607	2,581	2,586	2,623	2,638	2,647	2,564	2,628	2,746	2,633	2,764	2,684
16 to 17 years .....	1,046	972	956	964	994	1,026	1,041	943	980	1,087	986	1,043	1,053
18 to 19 years .....	1,609	1,629	1,628	1,615	1,622	1,607	1,626	1,617	1,639	1,655	1,645	1,707	1,659
20 to 24 years .....	5,767	5,718	5,671	5,779	5,792	5,744	5,717	5,796	5,828	5,879	5,893	5,834	5,723
25 years and over .....	45,504	45,434	45,516	45,611	45,685	45,479	45,790	45,910	45,605	45,919	46,000	46,002	46,374
25 to 54 years .....	39,127	39,084	39,110	39,231	39,318	39,181	39,308	39,535	39,267	39,415	39,527	39,628	39,842
55 years and over .....	6,382	6,364	6,384	6,401	6,373	6,294	6,469	6,372	6,381	6,437	6,514	6,387	6,548

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

(In thousands)

Sex and age	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	9,624	9,550	9,379	9,301	9,280	9,013	8,876	8,864	8,925	8,858	8,908	8,769	8,661
16 to 24 years .....	2,928	2,961	2,753	2,884	2,854	2,846	2,872	2,767	2,850	2,938	2,758	2,687	2,696
16 to 19 years .....	1,345	1,400	1,260	1,370	1,305	1,325	1,345	1,318	1,414	1,373	1,346	1,251	1,248
16 to 17 years .....	579	650	575	634	585	654	580	662	600	593	639	546	529
18 to 19 years .....	751	757	689	737	733	644	757	663	814	799	703	704	702
20 to 24 years .....	1,583	1,561	1,493	1,514	1,549	1,521	1,527	1,449	1,436	1,565	1,412	1,436	1,448
25 years and over .....	6,679	6,607	6,622	6,428	6,432	6,203	5,998	6,058	6,049	5,891	6,204	6,073	5,940
25 to 54 years .....	5,889	5,849	5,863	5,719	5,756	5,518	5,343	5,407	5,406	5,237	5,516	5,451	5,277
55 years and over .....	803	769	760	723	699	684	663	637	626	647	660	656	682
Men, 16 years and over .....	5,531	5,477	5,410	5,292	5,200	4,929	4,997	5,160	5,079	4,992	5,075	5,057	4,994
16 to 24 years .....	1,655	1,647	1,549	1,645	1,601	1,581	1,574	1,553	1,657	1,619	1,590	1,546	1,588
16 to 19 years .....	778	797	687	758	741	728	742	725	839	726	780	737	731
16 to 17 years .....	331	360	311	356	320	369	330	355	336	329	401	323	310
18 to 19 years .....	437	436	383	402	419	347	410	377	500	413	380	414	413
20 to 24 years .....	877	850	862	887	860	853	832	828	818	893	810	809	857
25 years and over .....	3,862	3,829	3,855	3,656	3,604	3,399	3,429	3,572	3,423	3,338	3,496	3,503	3,392
25 to 54 years .....	3,388	3,374	3,390	3,246	3,173	3,011	3,039	3,133	3,025	2,938	3,099	3,091	2,960
55 years and over .....	479	466	474	437	440	399	394	414	384	409	364	420	445
Women, 16 years and over .....	4,093	4,073	3,969	4,009	4,080	4,083	3,879	3,704	3,846	3,866	3,833	3,712	3,667
16 to 24 years .....	1,273	1,314	1,204	1,239	1,253	1,266	1,299	1,214	1,193	1,318	1,168	1,141	1,109
16 to 19 years .....	567	603	573	612	564	597	603	593	575	647	566	514	517
16 to 17 years .....	248	290	264	278	265	285	250	307	264	264	238	223	219
18 to 19 years .....	314	321	306	335	314	297	347	286	314	386	323	290	289
20 to 24 years .....	706	711	631	627	689	669	696	621	618	671	602	627	592
25 years and over .....	2,817	2,778	2,767	2,772	2,828	2,804	2,569	2,485	2,626	2,553	2,708	2,570	2,548
25 to 54 years .....	2,501	2,475	2,473	2,473	2,583	2,507	2,304	2,274	2,381	2,300	2,417	2,361	2,317
55 years and over .....	324	303	286	286	259	285	269	222	242	238	296	237	237

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total, 16 years and over .....	7.6	7.5	7.4	7.3	7.3	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.7
16 to 24 years .....	14.3	14.4	13.6	14.1	13.9	14.0	14.0	13.6	14.0	14.2	13.5	13.1	13.2
16 to 19 years .....	19.9	20.4	18.9	20.2	19.2	19.7	19.6	19.5	20.7	19.7	19.8	18.2	18.2
16 to 17 years .....	21.5	23.8	22.1	23.8	21.8	24.0	21.3	24.3	22.9	21.1	23.8	20.2	19.4
18 to 19 years .....	18.5	18.3	16.8	17.9	17.8	16.2	18.3	16.4	19.4	19.2	17.2	17.0	17.1
20 to 24 years .....	11.5	11.4	11.0	11.1	11.3	11.1	11.2	10.6	10.6	11.4	10.4	10.6	10.7
25 years and over .....	6.2	6.2	6.2	6.0	6.0	5.8	5.6	5.7	5.7	5.5	5.8	5.6	5.5
25 to 54 years .....	6.4	6.4	6.4	6.3	6.3	6.0	5.8	5.9	5.9	5.7	6.0	5.9	5.7
55 years and over .....	5.2	5.0	4.9	4.7	4.6	4.5	4.3	4.2	4.1	4.2	4.3	4.3	4.4
Men, 16 years and over .....	8.0	7.9	7.8	7.6	7.5	7.1	7.2	7.4	7.3	7.2	7.3	7.3	7.1
16 to 24 years .....	15.2	15.1	14.4	15.1	14.7	14.7	14.5	14.4	15.5	15.0	14.8	14.4	14.6
16 to 19 years .....	21.8	21.8	19.5	21.1	20.5	20.9	20.6	20.2	23.2	20.4	21.6	20.5	20.0
16 to 17 years .....	23.7	24.5	22.6	25.1	22.6	26.0	23.0	24.1	24.4	22.6	27.4	22.5	21.4
18 to 19 years .....	20.4	19.9	17.8	18.5	19.3	16.7	18.9	17.7	22.3	19.5	17.9	19.4	19.1
20 to 24 years .....	12.0	11.7	11.9	12.2	11.8	11.8	11.4	11.5	11.5	12.4	11.4	11.3	11.9
25 years and over .....	6.6	6.5	6.6	6.3	6.2	5.8	5.9	6.1	5.6	5.7	5.9	5.9	5.7
25 to 54 years .....	6.8	6.8	6.8	6.5	6.4	6.0	6.1	6.3	6.0	5.9	6.2	6.1	5.9
55 years and over .....	5.5	5.4	5.5	5.0	5.1	4.6	4.5	4.8	4.5	4.7	4.2	4.9	5.1
Women, 16 years and over .....	7.1	7.0	6.9	6.9	7.0	7.0	6.7	6.4	6.6	6.6	6.6	6.4	6.3
16 to 24 years .....	13.2	13.6	12.7	12.9	13.0	13.1	13.4	12.7	12.4	13.3	12.0	11.7	11.7
16 to 19 years .....	17.7	18.8	18.2	19.1	17.7	18.5	18.6	18.8	18.0	19.1	17.7	15.7	16.2
16 to 17 years .....	19.2	23.0	21.6	22.4	21.0	21.7	19.4	24.6	21.2	19.5	19.4	17.6	17.2
18 to 19 years .....	16.3	16.5	15.8	17.2	16.2	15.6	17.6	15.0	16.1	18.9	16.4	14.5	14.8
20 to 24 years .....	10.9	11.1	10.0	9.8	10.6	10.4	10.8	9.7	9.6	10.2	9.3	9.7	9.4
25 years and over .....	5.8	5.8	5.7	5.7	5.8	5.8	5.3	5.1	5.4	5.3	5.6	5.3	5.2
25 to 54 years .....	6.0	6.0	5.9	5.9	6.2	6.0	5.5	5.4	5.7	5.5	5.8	5.6	5.5
55 years and over .....	4.8	4.5	4.3	4.3	3.9	4.3	4.0	3.4	3.7	3.6	4.3	3.6	3.5

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	7.6	7.5	7.4	7.3	7.3	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.7
Men, 20 years and over .....	7.2	7.1	7.2	6.9	6.8	6.4	6.5	6.7	6.4	6.4	6.5	6.5	6.4
Women, 20 years and over .....	6.4	6.4	6.2	6.2	6.4	6.4	6.0	5.7	6.0	5.9	5.9	5.8	5.7
Both sexes, 16 to 19 years .....	19.9	20.4	18.9	20.2	19.2	19.7	19.6	19.5	20.7	19.7	19.8	18.2	18.2
White .....	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.1	6.0	6.0	6.1	6.0	5.9
Black and other .....	12.9	12.6	12.5	12.6	12.8	12.9	12.0	12.0	12.5	11.7	12.0	11.7	11.6
Black .....	14.2	13.9	14.1	14.0	14.2	14.2	13.1	13.5	13.8	12.9	13.3	12.9	12.5
Hispanic origin .....	11.3	11.6	11.7	12.0	11.7	11.6	11.4	11.4	10.4	9.7	10.2	10.9	9.7
Married men, spouse present .....	5.3	5.2	5.1	4.9	4.8	4.5	4.5	4.7	4.5	4.5	4.4	4.6	4.4
Married women, spouse present .....	5.0	5.0	5.1	5.0	5.0	4.9	4.4	4.3	4.8	4.5	4.7	4.7	4.4
Women who maintain families .....	10.3	9.1	9.3	10.4	10.3	10.6	10.2	9.0	9.6	9.9	9.8	9.8	8.7
Full-time workers .....	7.3	7.2	7.1	7.0	6.9	6.7	6.6	6.6	6.6	6.6	6.6	6.7	6.5
Part-time workers .....	9.1	9.5	9.2	9.2	9.7	9.3	9.1	8.9	9.7	8.4	8.9	8.3	8.4
Unemployed 15 weeks and over <sup>1</sup> .....	2.8	2.8	2.8	2.7	2.8	2.6	2.5	2.4	2.3	2.3	2.2	2.4	2.4
Labor force time lost <sup>2</sup> .....	8.4	8.3	8.3	8.3	8.1	7.9	7.9	7.9	7.8	7.9	7.8	7.8	7.7
<b>OCCUPATION<sup>3</sup></b>													
Managerial and professional specialty .....	3.2	3.2	3.2	3.1	3.2	3.3	3.5	3.1	3.0	3.1	2.8	2.6	2.7
Technical, sales, and administrative support .....	6.0	5.9	6.0	5.7	5.8	5.5	5.2	5.1	5.4	5.3	5.7	5.3	5.4
Precision production, craft, and repair .....	8.6	8.6	8.6	8.6	8.8	7.9	7.8	8.4	8.7	8.0	8.3	8.7	7.3
Operators, fabricators, and laborers .....	11.1	11.1	11.0	10.6	10.0	9.8	9.9	10.3	9.7	9.9	10.1	10.2	10.6
Farming, forestry, and fishing .....	7.9	8.9	7.9	8.8	8.7	8.5	9.0	8.3	8.6	7.4	7.7	8.2	7.2
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.9	7.8	7.8	7.5	7.5	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.0
Goods-producing industries .....	10.0	10.1	9.9	9.3	9.0	8.8	8.6	9.0	8.9	9.0	9.2	9.4	9.1
Mining .....	10.6	7.2	8.3	5.3	5.5	7.8	7.1	5.5	8.6	10.9	7.1	5.9	7.4
Construction .....	17.0	17.4	16.1	14.5	15.7	14.3	13.7	15.3	14.5	15.4	15.5	16.8	15.1
Manufacturing .....	8.0	8.1	8.2	8.0	7.2	7.3	7.2	7.3	7.2	7.1	7.4	7.4	7.4
Durable goods .....	8.3	8.4	8.9	8.5	7.5	7.3	6.9	7.0	7.2	7.0	7.6	6.9	7.3
Nondurable goods .....	7.4	7.7	7.3	7.3	6.9	7.2	7.5	7.6	7.3	7.3	7.1	8.0	7.5
Service-producing industries .....	7.1	6.9	7.0	6.7	6.9	6.7	6.6	6.4	6.6	6.4	6.4	6.1	6.1
Transportation and public utilities .....	5.4	5.7	5.8	6.1	5.6	4.9	4.6	4.9	5.0	5.5	4.3	4.8	5.5
Wholesale and retail trade .....	9.0	8.5	8.1	7.9	8.0	7.9	7.8	7.9	8.3	8.2	7.9	7.4	7.5
Finance and service industries .....	6.1	6.0	6.4	6.1	6.5	6.3	6.1	5.7	5.7	5.4	5.8	5.5	5.4
Government workers .....	3.4	3.4	3.0	3.8	3.6	3.6	3.6	3.6	3.4	3.1	3.5	3.5	3.3
Agricultural wage and salary workers .....	11.4	14.3	12.5	13.5	12.2	11.6	13.1	12.1	11.2	10.4	11.9	11.8	12.5

<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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>DURATION</b>													
Less than 5 weeks .....	3,289	3,281	3,192	3,120	3,042	3,272	3,232	3,102	3,355	3,315	3,282	3,268	2,994
5 to 14 weeks .....	2,846	2,847	2,666	2,835	2,688	2,481	2,487	2,566	2,496	2,482	2,789	2,539	2,659
15 weeks and over .....	3,547	3,522	3,564	3,446	3,605	3,317	3,143	3,073	2,926	3,004	2,849	3,037	3,032
15 to 26 weeks .....	1,502	1,427	1,475	1,438	1,540	1,407	1,236	1,259	1,276	1,261	1,146	1,291	1,293
27 weeks and over .....	2,045	2,095	2,089	2,008	2,065	1,910	1,907	1,814	1,650	1,743	1,703	1,747	1,739
Average (mean) duration, in weeks .....	18.3	18.5	19.2	18.4	19.2	18.7	18.3	17.5	17.4	17.6	17.6	17.9	18.3
Median duration, in weeks .....	8.9	9.3	9.3	9.4	9.4	8.5	8.2	8.3	8.5	8.1	8.1	8.2	8.4
<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 .....	34.0	34.0	33.9	33.2	32.6	36.1	36.5	35.5	38.2	37.7	36.8	37.0	34.5
5 to 14 weeks .....	29.4	29.5	28.3	30.2	28.8	27.4	28.1	29.4	28.4	28.2	31.3	28.7	30.6
15 weeks and over .....	36.6	36.5	37.8	36.7	38.6	36.6	35.5	35.2	33.3	34.1	31.9	34.3	34.9
15 to 26 weeks .....	15.5	14.8	15.7	15.3	16.5	15.5	13.9	14.4	14.5	14.3	12.9	14.6	14.9
27 weeks and over .....	21.1	21.7	22.2	21.4	22.1	21.1	21.5	20.7	18.8	19.8	19.1	19.7	20.0

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

(Numbers in thousands)

Reasons for unemployment	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	5,414	5,438	5,492	5,207	5,138	4,847	4,648	4,812	4,821	4,690	4,860	4,954	4,943
On layoff .....	1,255	1,335	1,265	1,195	1,204	1,029	1,049	1,076	1,036	1,155	1,144	1,214	1,229
Other job losers .....	4,159	4,103	4,227	4,012	3,934	3,818	3,599	3,735	3,785	3,536	3,716	3,740	3,713
Job leavers .....	1,009	963	913	977	972	821	1,046	1,096	1,007	967	945	906	831
Reentrants .....	2,246	2,274	2,206	2,194	2,237	2,346	2,299	2,047	2,172	2,294	2,223	2,113	2,066
New entrants .....	941	944	784	930	930	960	887	930	940	906	866	864	825
<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 .....	56.3	56.5	58.5	55.9	55.4	54.0	52.3	54.2	53.9	52.9	54.6	56.1	57.0
On layoff .....	13.1	13.9	13.5	12.8	13.0	11.5	11.8	12.1	11.6	13.0	12.9	13.7	14.2
Other job losers .....	43.3	42.7	45.0	43.1	42.4	42.5	40.5	42.0	42.3	39.9	41.8	42.3	42.9
Job leavers .....	10.5	10.0	9.7	10.5	10.5	9.1	11.8	12.3	11.3	10.9	10.6	10.2	9.6
Reentrants .....	23.4	23.6	23.5	23.6	24.1	26.1	25.9	23.0	24.3	25.9	25.0	23.9	23.8
New entrants .....	9.8	9.8	8.3	10.0	10.0	10.7	10.0	10.5	10.5	10.2	9.7	9.8	9.5
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	4.2	4.3	4.3	4.1	4.0	3.8	3.7	3.8	3.8	3.7	3.8	3.9	3.9
On layoff .....	.8	.8	.7	.8	.8	.6	.8	.9	.8	.8	.7	.7	.6
Other job losers .....	1.8	1.8	1.7	1.7	1.8	1.8	1.8	1.6	1.7	1.8	1.7	1.7	1.6
Job leavers .....	.7	.7	.6	.7	.7	.8	.7	.7	.7	.7	.7	.7	.6

**ESTABLISHMENT DATA  
HISTORICAL EMPLOYMENT**

**B-1. Employees on nonfarm payrolls by major industry, 1942 to date**

(In thousands)

Year and month	Total	Total private	Goods-producing				Service-producing						Government		
			Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale trade	Retail trade	Finance, insurance, and real estate	Services	Federal	State	Local
Annual averages															
1942	40,106	34,624	18,470	992	2,198	15,280	21,636	3,460	1,912	5,206	1,509	4,066	2,213	( <sup>1</sup> )	( <sup>1</sup> )
1943	42,434	36,356	20,114	925	1,587	17,602	22,320	3,647	1,828	5,154	1,481	4,130	2,905	( <sup>1</sup> )	( <sup>1</sup> )
1944	41,864	35,922	19,326	892	1,108	17,328	22,536	3,829	1,851	5,208	1,461	4,145	2,928	( <sup>1</sup> )	( <sup>1</sup> )
1945	40,374	34,431	17,507	836	1,147	15,524	22,867	3,906	1,955	5,359	1,481	4,222	2,808	( <sup>1</sup> )	( <sup>1</sup> )
1946	41,652	36,056	17,248	862	1,683	14,703	24,404	4,061	2,298	6,077	1,675	4,897	2,254	( <sup>1</sup> )	( <sup>1</sup> )
1947	43,857	38,382	18,509	955	2,009	15,545	25,348	4,166	2,478	6,477	1,728	5,025	1,892	( <sup>1</sup> )	( <sup>1</sup> )
1948	44,866	39,216	18,774	994	2,198	15,582	26,092	4,189	2,612	6,659	1,800	5,181	1,863	( <sup>1</sup> )	( <sup>1</sup> )
1949	43,754	37,897	17,585	930	2,184	14,441	26,189	4,001	2,610	6,654	1,828	5,239	1,908	( <sup>1</sup> )	( <sup>1</sup> )
1950	45,197	39,170	18,506	901	2,364	15,241	26,691	4,034	2,643	6,743	1,888	5,356	1,928	( <sup>1</sup> )	( <sup>1</sup> )
1951	47,819	41,430	19,959	929	2,637	16,393	27,860	4,226	2,735	7,007	1,956	5,547	2,302	( <sup>1</sup> )	( <sup>1</sup> )
1952	48,793	42,185	20,198	896	2,668	16,632	28,595	4,248	2,821	7,184	2,035	5,699	2,420	( <sup>1</sup> )	( <sup>1</sup> )
1953	50,202	43,556	21,074	866	2,659	17,549	29,128	4,290	2,862	7,385	2,111	5,835	2,305	( <sup>1</sup> )	( <sup>1</sup> )
1954	48,990	42,238	19,751	791	2,646	16,314	29,239	4,084	2,875	7,360	2,200	5,969	2,188	( <sup>1</sup> )	( <sup>1</sup> )
1955	50,841	43,727	20,513	782	2,639	16,882	30,128	4,141	2,934	7,601	2,298	6,240	2,187	1,168	3,558
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	4,244	3,027	7,831	2,389	6,497	2,209	1,250	3,819
1957	52,853	45,239	20,964	828	2,962	17,174	31,889	4,241	3,037	7,848	2,438	6,708	2,217	1,328	4,071
1958	51,324	43,483	19,513	751	2,817	15,945	31,811	3,976	2,989	7,761	2,481	6,785	2,191	1,415	4,232
1959 <sup>2</sup>	53,288	45,186	20,411	732	3,004	16,675	32,857	4,011	3,092	8,035	2,549	7,087	2,233	1,484	4,366
1960	54,189	45,836	20,434	712	2,926	16,796	33,755	4,004	3,153	8,236	2,628	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,328	34,142	3,903	3,142	8,195	2,688	7,619	2,279	1,607	4,708
1962	55,549	46,860	20,451	650	2,948	16,853	35,098	3,906	3,207	8,359	2,754	7,982	2,340	1,668	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,258	8,520	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,347	8,812	2,911	8,660	2,346	1,856	5,392
1965	60,765	50,689	21,926	632	3,232	18,062	38,839	4,036	3,477	9,239	2,977	9,036	2,378	1,996	5,700
1966	63,901	53,116	23,158	627	3,317	19,214	40,743	4,158	3,608	9,637	3,058	9,498	2,564	2,141	6,080
1967	65,803	54,413	23,308	613	3,248	19,447	42,495	4,288	3,700	9,906	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,791	10,306	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,187	46,023	4,442	3,919	10,785	3,512	11,169	2,756	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	4,006	11,034	3,645	11,548	2,731	2,664	7,156
1971	71,214	58,331	22,935	609	3,704	18,623	48,278	4,476	4,014	11,338	3,772	11,797	2,696	2,747	7,437
1972	73,675	60,341	23,668	628	3,889	19,151	50,007	4,541	4,127	11,622	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,291	12,315	4,046	12,857	2,863	2,923	8,146
1974	78,265	64,095	24,794	697	4,020	20,077	53,471	4,725	4,447	12,539	4,148	13,441	2,724	3,039	8,407
1975	78,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,430	12,630	4,165	13,892	2,748	3,179	8,758
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,562	13,193	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,723	13,792	4,467	15,302	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,985	14,556	4,724	16,252	2,753	3,474	9,446
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,221	14,972	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,292	15,018	5,160	17,890	2,866	3,610	9,765
1981	91,152	75,121	25,497	1,139	4,168	20,170	65,655	5,165	5,375	15,171	5,298	18,615	2,772	3,640	9,819
1982	89,544	73,707	23,812	1,128	3,904	18,780	65,732	5,081	5,295	15,158	5,340	19,021	2,739	3,640	9,458
1983	90,152	74,282	23,330	952	3,946	18,432	66,821	4,952	5,263	15,587	5,466	19,664	2,774	3,662	9,434
1984	94,408	78,384	24,718	966	4,380	19,372	69,890	5,158	5,568	16,512	5,684	20,746	2,807	3,734	9,482
1985	97,387	80,992	24,842	927	4,668	19,248	72,544	5,233	5,727	17,315	5,948	21,927	2,875	3,832	9,687
1986	99,344	82,651	24,533	777	4,810	18,947	74,811	5,247	5,761	17,880	6,273	22,957	2,899	3,893	9,901
1987	101,958	84,948	24,674	717	4,958	18,999	77,284	5,362	5,848	18,422	6,533	24,110	2,943	3,967	10,100
1988	105,210	87,824	25,125	713	5,098	19,314	80,086	5,514	6,030	19,023	6,630	25,504	2,971	4,076	10,339
1989	107,895	90,117	25,254	692	5,171	19,391	82,642	5,625	6,187	19,475	6,666	26,907	2,988	4,182	10,609
1990	108,419	91,115	24,905	709	5,120	19,076	84,514	5,793	6,173	19,601	6,709	27,934	3,085	4,305	10,914
1991	108,256	89,854	23,745	689	4,650	18,406	84,511	5,762	6,081	19,284	6,646	28,338	2,966	4,355	11,081
1992	108,519	89,866	23,142	631	4,471	18,040	85,377	5,709	6,045	19,346	6,571	29,053	2,969	4,403	11,281
Monthly data, seasonally adjusted															
1992:															
August	108,615	89,906	23,073	623	4,459	17,991	85,542	5,701	6,037	19,359	6,558	29,178	2,961	4,412	11,336
September	108,674	89,945	23,012	616	4,447	17,949	85,662	5,704	6,037	19,380	6,565	29,247	2,966	4,438	11,327
October	108,789	90,079	22,995	616	4,466	17,911	85,794	5,699	6,052	19,402	6,570	29,361	2,945	4,426	11,339
November	108,921	90,159	22,995	616	4,482	17,917	85,926	5,699	6,061	19,405	6,589	29,430	2,943	4,424	11,395
December	109,079	90,313	22,985	613	4,459	17,913	86,094	5,707	6,062	19,460	6,575	29,524	2,966	4,431	11,367
1993:															
January	109,235	90,480	23,001	611	4,454	17,936	86,234	5,719	6,086	19,523	6,578	29,573	2,945	4,435	11,375
February	109,539	90,762	23,069	600	4,515	17,954	86,470	5,725	6,097	19,629	6,577	29,665	2,844	4,439	11,394
March	109,565	90,777	23,016	600	4,481	17,935	86,549	5,724	6,103	19,604	6,574	29,756	2,938	4,443	11,407
April	109,820	91,020	22,980	600	4,517	17,883	86,840	5,720	6,110	19,648	6,585	29,977	2,923	4,458	11,419
May	110,058	91,239	23,006	602	4,577	17,827	87,052	5,719	6,125	19,702	6,588	30,099	2,912	4,462	11,445
June	110,101	91,278	22,941	596	4,574	17,771	87,180	5,711	6,110	19,751	6,590	30,175	2,901	4,451	11,471
July <sup>p</sup>	110,312	91,469	22,948	585	4,596	17,757	87,384	5,704	6,128	19,785	6,602	30,304	2,901	4,480	11,462
August <sup>p</sup>	110,273	91,441	22,894	591	4,588	17,715	87,379	5,703	6,117	19,785	6,604	30,338	2,898	4,486	11,448

<sup>1</sup> Not available.

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

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1992) and all seasonally adjusted data (beginning January 1989) are subject to revision.

**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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Total</b> .....		108,353	108,384	111,048	110,075	110,068	-	-	-	-	-
<b>Total private</b> .....		90,654	90,819	92,146	92,216	92,393	73,596	73,775	75,111	75,158	75,334
<b>Mining</b> .....		638	632	601	605	600	451	448	425	427	421
Metal mining .....											
Iron ores .....	10	54.4	52.8	51.2	51.0	-	42.3	41.1	41.2	40.8	-
Copper ores .....	101	9.3	8.1	9.2	9.1	-	6.7	5.9	7.4	7.3	-
Copper ores .....	102	15.2	15.2	15.1	14.9	-	12.4	12.4	12.5	12.2	-
Coal mining .....											
Coal mining .....	12	126.9	127.1	105.1	101.6	-	103.1	103.0	83.1	79.9	-
Bituminous coal and lignite mining .....	122	118.4	118.3	97.2	94.0	-	96.1	95.7	76.6	73.7	-
Oil and gas extraction .....											
Crude petroleum and natural gas .....	13	350.0	345.9	341.4	348.2	348.7	225.2	223.8	221.5	227.4	-
Crude petroleum and natural gas .....	131	183.5	178.4	167.8	167.3	-	93.5	90.4	82.8	82.3	-
Oil and gas field services .....	138	160.3	161.8	168.1	175.4	-	127.3	129.2	134.6	141.2	-
Nonmetallic minerals, except fuels .....											
Crushed and broken stone .....	14	106.4	106.3	103.5	103.8	-	60.1	60.2	78.7	79.0	-
Crushed and broken stone .....	142	39.4	39.2	38.7	38.9	-	30.5	30.4	30.4	30.7	-
Sand and gravel .....	144	34.8	34.8	34.0	34.4	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	14.9	15.0	13.5	13.4	-	-	-	-	-	-
<b>Construction</b> .....		4,729	4,773	4,766	4,876	4,914	3,659	3,704	3,708	3,813	3,846
General building contractors .....	15	1,113.3	1,124.6	1,094.6	1,118.6	1,116.6	797.9	609.1	780.2	803.5	-
Residential building construction .....	152	549.0	553.5	548.6	557.1	-	381.2	384.7	378.0	386.2	-
Operative builders .....	153	27.7	27.4	27.0	27.3	-	12.2	12.1	11.6	11.9	-
Nonresidential building construction .....	154	536.6	543.7	519.0	534.2	-	404.5	412.3	390.6	405.4	-
Heavy construction, except building .....	16	765.5	772.7	764.6	772.2	-	639.3	648.8	644.8	652.5	-
Highway and street construction .....	161	256.8	258.8	263.4	270.9	-	216.9	219.2	224.4	231.5	-
Heavy construction, except highway .....	162	508.7	513.9	501.2	501.3	-	422.4	429.6	420.4	421.0	-
Special trade contractors .....	17	2,850.1	2,875.2	2,907.1	2,985.1	-	2,221.7	2,246.2	2,282.5	2,356.8	-
Plumbing, heating, and air conditioning .....	171	626.2	623.8	622.2	637.7	-	458.5	455.8	453.8	468.4	-
Painting and paper hanging .....	172	168.4	170.5	177.8	181.5	-	139.4	141.6	149.2	153.0	-
Electrical work .....	173	509.9	515.2	508.2	524.1	-	394.0	399.0	392.3	407.8	-
Masonry, stonework, and plastering .....	174	417.9	426.7	431.3	445.6	-	357.9	365.8	372.0	385.0	-
Carpentry and floor work .....	175	178.2	176.8	171.6	178.1	-	133.1	131.6	127.2	133.8	-
Roofing, siding, and sheet metal work .....	176	198.9	204.7	209.9	217.3	-	157.5	163.1	168.9	176.3	-
<b>Manufacturing</b> .....		18,057	18,135	17,874	17,748	17,860	12,243	12,334	12,196	12,082	12,208
<b>Durable goods</b> .....		10,216	10,226	10,077	9,975	10,000	6,767	6,791	6,751	6,658	6,691
Lumber and wood products .....	24	687.7	689.6	690.7	695.1	697.5	565.9	567.1	569.1	572.8	576.2
Logging .....	241	81.2	80.4	76.8	79.8	-	67.2	66.0	62.3	65.3	-
Sawmills and planing mills .....	242	180.7	180.5	178.3	178.0	-	156.8	156.4	155.0	154.5	-
Sawmills and planing mills, general .....	2421	146.0	145.4	142.6	142.9	-	126.4	125.7	123.8	124.0	-
Hardwood dimension and flooring mills .....	2426	32.5	32.9	33.7	33.1	-	28.5	28.9	29.5	28.9	-
Millwork, plywood, and structural members .....	243	244.3	245.8	246.6	248.1	-	195.7	197.2	198.3	199.6	-
Millwork .....	2431	102.2	102.6	101.9	103.0	-	60.1	60.3	79.8	80.5	-
Wood kitchen cabinets .....	2434	67.3	67.2	68.8	68.6	-	53.1	53.1	54.7	54.5	-
Hardwood veneer and plywood .....	2435	21.8	22.6	23.0	22.6	-	18.6	19.4	19.7	19.4	-
Softwood veneer and plywood .....	2436	27.2	27.3	27.1	27.3	-	24.4	24.6	24.5	24.8	-
Wood containers .....	244	43.6	43.5	44.5	44.5	-	36.5	36.6	37.7	37.7	-
Wood buildings and mobile homes .....	245	57.6	58.5	63.0	63.7	-	44.4	45.2	49.2	49.6	-
Mobile homes .....	2451	40.7	41.9	46.2	47.0	-	33.6	34.5	38.2	38.8	-
Miscellaneous wood products .....	249	80.3	80.9	81.5	81.0	-	65.3	65.7	66.6	66.1	-
Furniture and fixtures .....	25	472.4	478.5	482.6	472.6	481.6	371.7	377.2	381.6	371.4	379.7
Household furniture .....	251	264.9	268.8	273.2	263.8	-	219.5	223.4	228.5	219.6	-
Wood household furniture .....	2511	120.3	120.7	122.8	117.7	-	103.1	103.2	105.7	100.8	-
Upholstered household furniture .....	2512	85.1	86.9	87.8	86.0	-	70.4	72.3	73.3	71.7	-
Metal household furniture .....	2514	18.2	18.8	19.9	17.6	-	14.2	14.8	16.1	14.0	-
Mattresses and bedsprings .....	2515	27.9	28.1	28.7	29.0	-	21.0	21.4	21.9	22.0	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures—Continued											
Office furniture .....	252	61.9	62.7	61.7	61.9	-	46.1	46.6	44.6	44.5	-
Public building and related furniture .....	253	34.8	35.4	36.1	34.5	-	27.2	27.9	29.0	27.2	-
Partitions and fixtures .....	254	76.6	77.1	77.1	78.0	-	56.1	56.3	56.4	57.2	-
Miscellaneous furniture and fixtures .....	259	34.2	34.5	34.5	34.4	-	22.8	23.0	23.1	22.9	-
Stone, clay, and glass products .....	32	522.2	524.2	521.3	520.0	521.9	403.7	406.5	402.9	401.4	403.4
Flat glass .....	321	14.7	14.6	14.0	14.1	-	11.5	11.4	10.9	11.0	-
Glass and glassware, pressed or blown .....	322	79.1	79.6	78.3	77.8	-	67.3	67.7	65.9	65.2	-
Glass containers .....	3221	36.2	36.4	35.3	34.9	-	32.6	32.8	31.7	31.2	-
Pressed and blown glass, nec .....	3229	42.9	43.2	43.0	42.9	-	34.7	34.9	34.2	34.0	-
Products of purchased glass .....	323	58.8	60.4	58.8	57.1	-	44.3	46.0	44.4	43.0	-
Cement, hydraulic .....	324	17.7	17.7	17.3	17.4	-	13.8	13.7	13.4	13.5	-
Structural clay products .....	325	31.3	31.2	31.5	31.4	-	24.2	24.2	24.5	24.3	-
Pottery and related products .....	326	37.6	37.5	38.2	38.0	-	29.1	29.4	29.8	29.6	-
Concrete, gypsum, and plaster products .....	327	194.7	194.6	195.4	196.9	-	148.4	148.6	149.1	150.4	-
Concrete block and brick .....	3271	17.2	17.2	17.1	17.1	-	11.3	11.1	11.0	11.1	-
Concrete products, nec .....	3272	64.7	64.5	63.8	64.2	-	48.2	48.2	47.6	48.0	-
Ready-mixed concrete .....	3273	95.9	96.0	97.6	98.7	-	75.7	76.1	77.1	77.9	-
Misc. nonmetallic mineral products .....	329	74.7	74.8	74.4	74.0	-	55.4	55.6	55.1	54.8	-
Abrasive products .....	3291	19.5	19.5	19.7	19.6	-	14.3	14.3	14.5	14.4	-
Asbestos products .....	3292	3.1	3.1	3.1	3.0	-	2.5	2.5	2.4	2.4	-
Mineral wool .....	3296	22.1	22.2	21.5	21.4	-	-	-	-	-	-
Primary metal industries .....	33	688.8	693.7	677.2	668.3	671.7	520.3	525.2	515.8	507.1	511.9
Blast furnaces and basic steel products .....	331	250.5	250.7	238.4	237.6	236.1	188.9	189.4	182.2	181.1	179.8
Blast furnaces and steel mills .....	3312	187.5	186.6	174.8	174.3	-	141.9	141.2	134.2	133.9	-
Steel pipe and tubes .....	3317	24.6	25.5	25.4	25.2	-	18.2	19.0	18.9	18.3	-
Iron and steel foundries .....	332	118.2	119.9	118.6	114.4	-	94.5	96.1	94.7	90.3	-
Gray and ductile iron foundries .....	3321	73.9	74.9	75.4	71.8	-	60.0	60.8	60.7	56.9	-
Malleable iron foundries .....	3322	5.5	5.9	5.6	5.8	-	4.4	4.9	4.5	4.7	-
Steel foundries, nec .....	3325	23.6	24.0	24.3	23.7	-	18.2	18.6	19.1	18.5	-
Primary nonferrous metals .....	333	43.3	43.9	42.8	42.6	-	32.9	33.5	32.3	32.2	-
Primary aluminum .....	3334	24.9	25.5	24.6	24.4	-	19.9	20.2	19.2	18.9	-
Nonferrous rolling and drawing .....	335	160.8	161.8	160.0	159.2	-	115.4	116.8	116.0	115.3	-
Copper rolling and drawing .....	3351	22.6	22.8	22.4	22.4	-	17.0	17.3	17.0	17.0	-
Aluminum sheet, plate, and foil .....	3353	24.9	24.4	23.5	23.1	-	16.6	16.2	15.6	15.2	-
Nonferrous wire drawing and insulating .....	3357	66.8	67.9	68.5	68.1	-	48.0	49.3	49.9	49.5	-
Nonferrous foundries (castings) .....	336	75.9	76.8	76.8	74.1	-	59.5	60.1	61.3	59.1	-
Aluminum foundries .....	3365	22.0	22.2	21.9	21.0	-	17.2	17.5	17.5	16.6	-
Fabricated metal products .....	34	1,312.6	1,323.4	1,313.7	1,293.6	1,304.2	960.8	971.5	969.3	950.3	962.4
Metal cans and shipping containers .....	341	45.6	45.1	43.4	42.8	-	39.5	38.9	37.4	36.9	-
Metal cans .....	3411	36.6	36.1	34.9	34.5	-	32.3	31.7	30.6	30.2	-
Cutlery, handtools, and hardware .....	342	121.8	122.9	123.4	121.8	-	89.9	90.6	91.9	90.4	-
Hand and edge tools, and blades and handsaws .....	3423,5	39.8	40.8	41.1	40.4	-	29.2	30.0	30.8	30.1	-
Hardware, nec .....	3429	70.3	70.3	70.5	69.5	-	52.6	52.4	53.0	52.2	-
Plumbing and heating, except electric .....	343	55.8	56.9	56.8	56.7	-	39.4	40.4	40.3	40.0	-
Plumbing fixture fittings and trim .....	3432	24.3	24.2	24.7	24.4	-	18.3	18.0	18.4	18.1	-
Heating equipment, except electric .....	3433	18.9	19.7	19.1	19.4	-	12.1	13.0	12.3	12.3	-
Fabricated structural metal products .....	344	390.6	393.2	387.2	387.6	-	275.2	278.3	274.4	274.7	-
Fabricated structural metal .....	3441	68.0	68.6	66.5	66.0	-	48.4	49.3	47.2	46.6	-
Metal doors, sash, and trim .....	3442	70.7	70.9	70.0	71.0	-	51.2	51.7	50.7	51.7	-
Fabricated plate work (boiler shops) .....	3443	97.6	98.7	96.4	95.0	-	65.2	66.3	65.4	64.2	-
Sheet metal work .....	3444	92.2	92.6	92.3	93.2	-	69.1	69.4	69.4	70.1	-
Architectural metal work .....	3446	26.6	26.9	25.1	25.4	-	18.2	18.6	17.6	17.8	-
Screw machine products, bolts, etc .....	345	89.1	89.3	90.0	88.8	-	67.5	68.0	68.9	68.2	-
Screw machine products .....	3451	44.0	44.2	45.5	44.6	-	35.5	35.8	36.8	36.4	-
Bolts, nuts, rivets, and washers .....	3452	45.1	45.1	44.5	44.2	-	32.0	32.2	32.1	31.8	-
Metal forgings and stampings .....	346	212.1	215.9	217.0	205.6	-	167.6	171.8	172.9	161.9	-
Iron and steel forgings .....	3462	28.9	28.7	28.7	28.2	-	21.8	21.7	22.0	21.5	-
Automotive stampings .....	3465	94.7	97.4	98.5	89.8	-	79.2	82.0	83.3	74.8	-
Metal stampings, nec .....	3469	76.5	77.8	78.2	76.1	-	57.7	59.1	59.1	57.2	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Fabricated metal products—Continued</b>											
Metal services, nec .....	347	113.3	114.7	115.1	112.5	-	87.6	88.4	89.8	87.1	-
Plating and polishing .....	3471	70.1	71.2	72.1	70.3	-	54.1	54.8	56.2	54.3	-
Metal coating and allied services .....	3479	43.2	43.5	43.0	42.2	-	33.5	33.6	33.6	32.8	-
Ordnance and accessories, nec .....	348	64.8	64.4	58.9	58.0	-	37.2	36.6	33.2	32.7	-
Ammunition, except for small arms, nec .....	3483	40.1	39.9	35.1	34.5	-	20.0	19.8	17.1	16.9	-
Miscellaneous fabricated metal products .....	349	219.5	221.0	221.9	219.8	-	156.9	158.5	160.5	158.4	-
Valves and pipe fittings, nec .....	3494	24.0	23.9	23.8	23.4	-	16.9	17.0	17.6	17.3	-
Misc. fabricated wire products .....	3496	50.9	51.6	51.5	51.1	-	38.3	38.9	39.1	38.6	-
Industrial machinery and equipment .....	35	1,917.1	1,911.0	1,907.3	1,888.7	1,882.0	1,138.4	1,137.9	1,154.9	1,137.8	1,134.3
Engines and turbines .....	351	87.6	87.1	87.6	87.7	-	54.9	54.2	54.3	54.4	-
Turbines and turbine generator sets .....	3511	28.2	28.2	28.3	28.2	-	16.6	16.7	16.4	16.3	-
Internal combustion engines, nec .....	3519	59.4	58.9	59.3	59.5	-	38.3	37.5	37.9	38.1	-
Farm and garden machinery .....	352	87.2	87.3	97.3	91.5	-	60.2	60.7	70.8	65.1	-
Farm machinery and equipment .....	3523	68.7	66.6	71.4	70.7	-	47.8	45.9	50.4	49.5	-
Construction and related machinery .....	353	204.2	204.5	208.2	208.1	-	121.5	121.9	126.9	126.7	-
Construction machinery .....	3531	76.5	76.4	79.4	79.3	-	45.6	45.2	48.3	48.5	-
Mining machinery .....	3532	15.4	15.7	14.9	14.2	-	9.0	9.3	8.8	8.0	-
Oil and gas field machinery .....	3533	38.0	37.7	37.1	37.5	-	23.8	23.7	24.3	24.8	-
Conveyors and conveying equipment .....	3535	33.1	33.1	34.6	34.9	-	17.9	18.0	19.4	19.3	-
Industrial trucks and tractors .....	3537	24.5	24.7	25.4	25.4	-	16.2	16.4	16.6	16.6	-
Metalworking machinery .....	354	298.4	300.7	305.4	304.7	-	206.1	210.5	214.0	212.8	-
Machine tools, metal cutting types .....	3541	37.5	37.5	36.7	36.4	-	23.0	23.0	22.1	22.0	-
Machine tools, metal forming types .....	3542	15.1	15.1	15.2	14.9	-	9.1	9.2	9.5	9.3	-
Special dies, tools, jigs, and fixtures .....	3544	135.9	136.4	142.0	141.2	-	102.8	103.3	108.4	107.1	-
Machine tool accessories .....	3545	48.3	48.3	48.3	48.1	-	33.8	33.8	33.4	33.1	-
Power driven handtools .....	3546	21.9	23.5	23.3	23.5	-	14.2	15.7	15.6	15.9	-
Special industry machinery .....	355	147.0	147.1	146.3	145.5	-	83.7	84.1	83.5	82.7	-
Textile machinery .....	3552	15.0	15.3	15.8	15.6	-	10.0	10.1	10.5	10.5	-
Printing trades machinery .....	3555	21.7	21.5	20.6	20.4	-	11.2	11.3	10.8	10.6	-
Food products machinery .....	3556	22.8	22.7	22.8	22.7	-	13.4	13.4	13.5	13.4	-
General industrial machinery .....	356	234.8	233.8	233.5	231.6	-	148.5	148.1	148.4	146.0	-
Pumps and pumping equipment .....	3561	31.5	31.3	30.4	29.5	-	17.6	17.5	16.8	16.0	-
Ball and roller bearings .....	3562	38.2	37.3	36.5	36.0	-	30.0	29.3	28.9	28.4	-
Air and gas compressors .....	3563	25.3	25.3	24.4	24.2	-	14.0	14.0	13.3	12.8	-
Blowers and fans .....	3564	30.7	31.2	31.6	31.8	-	20.9	21.2	21.2	21.3	-
Speed changers, drives, and gears .....	3566	15.9	15.8	16.4	16.3	-	11.2	11.1	11.6	11.5	-
Power transmission equipment, nec .....	3568	19.0	19.2	19.5	19.1	-	12.3	12.6	13.0	12.8	-
Computer and office equipment .....	357	393.7	389.8	363.0	359.7	-	129.4	128.8	121.3	119.5	-
Electronic computers .....	3571	242.4	239.2	211.0	207.5	-	61.4	60.6	54.0	53.1	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	58.6	57.9	56.6	56.3	-	26.3	25.9	24.4	23.7	-
Refrigeration and service machinery .....	358	175.8	172.3	178.3	174.2	-	123.7	120.8	125.7	121.8	-
Refrigeration and heating equipment .....	3585	121.7	117.2	121.9	117.4	-	89.6	86.1	90.2	85.9	-
Misc. industrial and commercial machinery .....	359	288.4	288.4	287.7	285.7	-	208.4	208.8	210.0	208.8	-
Carburetors, pistons, rings, valves .....	3592	20.6	20.9	20.7	20.4	-	16.6	16.8	16.8	16.4	-
Scales, balances, and industrial machinery, nec .....	3596,9	224.3	224.1	225.0	223.4	-	167.0	167.1	169.1	168.2	-
Electronic and other electrical equipment .....	36	1,517.8	1,517.5	1,514.2	1,503.4	1,504.6	961.4	964.6	968.6	957.2	958.0
Electric distribution equipment .....	361	82.0	82.5	81.3	80.4	-	56.2	56.7	56.7	55.6	-
Transformers, except electronic .....	3612	40.5	41.0	40.3	39.9	-	28.3	28.9	28.9	28.3	-
Switchgear and switchboard apparatus .....	3613	41.5	41.5	41.0	40.5	-	27.9	27.8	27.8	27.3	-
Electrical industrial apparatus .....	362	158.9	156.2	158.7	157.5	-	109.9	109.6	111.4	110.1	-
Motors and generators .....	3621	77.7	76.9	79.7	78.6	-	60.0	59.4	61.8	60.6	-
Relays and industrial controls .....	3625	60.0	60.2	59.6	59.5	-	36.6	36.9	35.8	35.7	-
Household appliances .....	363	116.0	114.1	120.7	119.7	-	92.3	90.5	96.3	95.5	-
Household refrigerators and freezers .....	3632	28.1	26.6	27.9	28.4	-	23.3	22.0	24.1	24.8	-
Household laundry equipment .....	3633	18.6	17.3	17.5	18.1	-	14.1	12.6	13.4	14.2	-
Electric housewares and fans .....	3634	28.3	29.1	29.7	29.0	-	21.7	22.5	23.2	22.3	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
<b>Electronic and other electrical equipment—Continued</b>											
Electric lighting and wiring equipment .....	364	170.5	173.1	171.6	170.4	-	122.4	124.8	123.9	122.3	-
Electric lamps .....	3641	19.8	20.9	20.8	20.5	-	16.7	17.7	16.7	16.1	-
Current-carrying wiring devices .....	3643	63.8	63.9	63.7	63.4	-	42.5	42.4	42.4	42.0	-
Noncurrent-carrying wiring devices .....	3644	18.3	19.1	19.1	19.0	-	12.8	13.6	13.6	13.7	-
Residential lighting fixtures .....	3645	20.0	20.4	19.8	19.4	-	14.9	15.4	14.9	14.5	-
Household audio and video equipment .....	365	82.1	83.1	81.8	82.6	-	55.4	56.2	54.1	54.9	-
Household audio and video equipment .....	3651	59.4	59.2	57.2	58.6	-	38.6	38.3	36.1	37.5	-
Communications equipment .....	366	235.1	235.1	231.5	229.7	-	118.5	119.3	118.8	116.9	-
Telephone and telegraph apparatus .....	3661	107.6	107.7	106.5	104.9	-	58.6	59.1	59.0	57.6	-
Electronic components and accessories .....	367	525.5	522.6	519.2	515.6	-	304.3	303.4	304.1	300.0	-
Electron tubes .....	3671	26.3	26.0	24.3	23.4	-	17.5	17.4	16.4	15.7	-
Semiconductors and related devices .....	3674	219.4	217.2	213.0	214.5	-	91.4	90.5	90.3	90.9	-
Electronic components, nec .....	3679	124.6	124.0	123.1	121.9	-	80.6	80.4	80.4	79.2	-
Misc. electrical equipment and supplies .....	369	149.5	150.8	149.4	147.5	-	102.4	104.1	103.3	101.9	-
Storage batteries .....	3691	24.6	25.3	24.6	24.3	-	18.9	19.7	18.9	18.7	-
Engine electrical equipment .....	3694	63.2	63.3	62.6	62.4	-	47.7	48.1	48.1	48.0	-
Transportation equipment .....	37	1,812.4	1,802.9	1,723.8	1,699.8	1,700.1	1,132.8	1,128.4	1,097.6	1,079.2	1,079.7
Motor vehicles and equipment .....	371	804.1	806.5	817.3	803.6	810.4	614.8	617.6	629.5	616.7	621.8
Motor vehicles and car bodies .....	3711	315.1	313.7	310.7	307.3	-	228.7	227.5	225.9	222.8	-
Truck and bus bodies .....	3713	35.0	33.8	36.4	36.6	-	27.7	26.6	29.0	29.2	-
Motor vehicle parts and accessories .....	3714	410.3	414.2	421.9	411.1	-	324.6	328.6	336.1	325.8	-
Truck trailers .....	3715	26.6	27.1	29.4	30.0	-	21.0	21.5	23.6	24.3	-
Aircraft and parts .....	372	608.4	600.5	540.9	533.2	526.3	288.7	283.6	250.7	246.1	-
Aircraft .....	3721	330.7	327.8	301.0	298.9	-	136.8	135.2	122.5	121.9	-
Aircraft engines and engine parts .....	3724	126.7	124.2	111.6	108.7	-	64.5	63.0	54.7	52.3	-
Aircraft parts and equipment, nec .....	3728	151.0	148.5	128.3	125.6	-	87.4	85.4	73.5	71.9	-
Ship and boat building and repairing .....	373	167.7	166.4	156.0	154.9	-	128.2	127.2	121.0	120.4	-
Ship building and repairing .....	3731	122.3	121.3	109.3	109.0	-	91.4	90.7	82.7	82.9	-
Boat building and repairing .....	3732	45.4	45.1	46.7	45.9	-	36.8	36.5	38.3	37.5	-
Railroad equipment .....	374	27.6	27.8	27.3	26.4	-	20.5	20.8	20.2	19.5	-
Guided missiles, space vehicles, and parts .....	376	143.2	141.1	120.4	118.7	-	39.1	38.6	33.7	33.1	-
Guided missiles and space vehicles .....	3761	103.7	102.3	87.1	86.0	-	26.8	26.4	22.5	22.0	-
Miscellaneous transportation equipment .....	379	45.7	45.0	45.2	46.2	-	29.8	29.1	30.1	30.9	-
Travel trailers and campers .....	3792	16.8	16.7	18.1	18.8	-	13.5	13.4	14.7	15.3	-
Instruments and related products .....	38	923.8	921.0	882.4	876.1	872.7	453.4	451.7	431.1	426.2	424.8
Search and navigation equipment .....	381	226.2	223.3	201.2	198.7	-	71.6	70.7	62.6	62.2	-
Measuring and controlling devices .....	382	290.8	289.5	277.7	274.8	-	153.5	152.2	143.4	140.7	-
Environmental controls .....	3822	43.7	43.7	42.0	41.4	-	30.2	30.0	28.0	27.6	-
Process control instruments .....	3823	60.2	59.7	56.8	55.8	-	28.7	28.4	27.3	26.2	-
Instruments to measure electricity .....	3825	76.2	75.5	72.7	71.8	-	37.5	36.9	34.8	34.0	-
Medical instruments and supplies .....	384	264.1	265.4	265.1	263.9	-	153.1	153.8	153.3	151.5	-
Surgical and medical instruments .....	3841	106.9	107.7	109.5	108.8	-	63.6	63.9	65.2	63.9	-
Surgical appliances and supplies .....	3842	95.9	96.5	96.2	95.5	-	62.3	62.7	61.8	61.2	-
Ophthalmic goods .....	385	38.3	38.2	37.8	38.0	-	25.9	25.7	25.7	25.7	-
Photographic equipment and supplies .....	386	95.7	95.7	92.2	92.3	-	42.4	42.1	39.4	39.4	-
Watches, clocks, watchcases, and parts .....	387	8.7	8.9	8.4	8.4	-	6.9	7.2	6.7	6.7	-
Miscellaneous manufacturing industries .....	39	361.6	364.3	364.0	357.1	363.6	258.2	261.2	260.5	254.6	260.2
Jewelry, silverware, and plated ware .....	391	48.7	49.7	49.3	48.0	-	34.1	35.1	34.7	33.7	-
Jewelry, precious metal .....	3911	35.7	36.2	36.5	35.6	-	24.8	25.3	25.5	24.8	-
Musical instruments .....	393	13.0	13.0	13.5	12.4	-	10.6	10.7	11.0	9.9	-
Toys and sporting goods .....	394	106.0	105.2	106.2	104.2	-	75.9	75.4	76.2	74.3	-
Dolls, games, toys, and children's vehicles .....	3942,4	41.4	42.5	41.3	40.9	-	28.4	29.7	28.6	28.1	-
Sporting and athletic goods, nec .....	3949	64.6	62.7	64.9	63.3	-	47.5	45.7	47.6	46.2	-
Pens, pencils, office, and art supplies .....	395	33.0	32.5	31.8	31.3	-	22.3	22.0	21.3	21.2	-
Costume jewelry and notions .....	396	29.2	30.2	29.9	28.4	-	21.0	21.9	22.2	20.8	-
Costume jewelry .....	3961	17.6	18.3	18.1	16.8	-	12.2	12.8	13.1	11.9	-
Miscellaneous manufactures .....	399	131.7	133.7	133.3	132.8	-	94.3	96.1	95.1	94.7	-
Signs and advertising specialties .....	3993	53.2	53.2	53.4	53.8	-	37.0	36.8	36.1	36.8	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Nondurable goods</b> .....		7,841	7,909	7,797	7,773	7,860	5,476	5,543	5,445	5,424	5,517
Food and kindred products .....	20	1,704.2	1,736.6	1,647.9	1,682.6	1,738.0	1,252.0	1,284.7	1,197.7	1,232.5	1,289.3
Meat products .....	201	435.5	436.3	443.2	441.7	-	369.9	370.9	376.2	376.4	-
Meat packing plants .....	2011	135.6	135.3	134.6	132.2	-	114.1	113.7	112.8	111.9	-
Sausages and other prepared meats .....	2013	89.9	90.0	91.4	91.5	-	68.1	68.1	69.6	69.8	-
Poultry slaughtering and processing .....	2015	210.0	211.0	217.2	218.0	-	187.7	189.1	193.8	194.7	-
Dairy products .....	202	155.1	155.0	154.7	154.7	-	97.7	97.1	97.9	98.5	-
Cheese, natural and processed .....	2022	40.7	40.9	39.7	39.9	-	31.9	32.1	31.9	32.1	-
Fluid milk .....	2026	70.6	70.5	69.7	69.8	-	36.7	36.5	36.5	37.0	-
Preserved fruits and vegetables .....	203	283.6	312.6	235.3	270.4	-	243.1	272.4	194.7	227.1	-
Canned specialties .....	2032	22.1	23.6	22.5	24.1	-	18.1	19.8	18.4	19.1	-
Canned fruits and vegetables .....	2033	114.6	134.7	70.3	101.8	-	100.4	120.6	56.9	87.0	-
Frozen fruits and vegetables .....	2037	53.8	57.0	50.1	50.6	-	47.4	50.8	44.0	44.0	-
Grain mill products .....	204	124.1	124.9	122.6	120.6	-	87.3	88.2	86.8	85.4	-
Flour and other grain mill products .....	2041	19.1	19.3	19.5	19.6	-	12.4	12.6	13.1	13.2	-
Prepared feeds, nec .....	2048	41.7	42.4	41.6	41.4	-	26.3	26.8	26.5	26.2	-
Bakery products .....	205	207.1	208.2	206.2	206.5	-	133.3	134.2	132.5	132.9	-
Bread, cake, and related products .....	2051	148.3	148.6	147.5	147.4	-	88.1	88.4	88.1	88.1	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	58.8	59.6	58.7	59.1	-	45.2	45.8	44.4	44.8	-
Sugar and confectionery products .....	206	98.6	102.3	94.3	93.2	-	75.7	79.3	72.4	71.3	-
Raw cane sugar .....	2061	5.9	7.1	6.6	5.6	-	4.6	5.4	5.5	4.5	-
Cane sugar refining .....	2062	5.2	5.1	4.9	4.9	-	3.7	3.7	3.5	3.5	-
Beet sugar .....	2063	7.1	7.1	7.3	7.2	-	5.8	5.8	6.1	6.0	-
Candy and other confectionery products .....	2064	50.9	52.9	47.0	46.8	-	40.5	42.5	37.0	36.8	-
Fats and oils .....	207	31.8	31.7	31.4	31.1	-	21.0	20.7	20.6	20.5	-
Beverages .....	208	177.7	179.2	179.9	179.9	-	78.6	80.0	81.9	81.5	-
Malt beverages .....	2082	39.7	39.7	39.1	39.1	-	23.9	23.8	24.2	24.4	-
Bottled and canned soft drinks .....	2086	95.3	94.8	97.6	98.2	-	34.2	34.0	37.3	37.3	-
Misc. food and kindred products .....	209	190.7	186.4	180.3	184.5	-	145.4	141.9	134.7	138.9	-
Tobacco products .....	21	45.4	50.9	44.3	43.3	45.2	33.4	38.8	32.2	31.4	33.6
Cigarettes .....	211	35.4	34.8	33.9	33.4	-	26.8	26.3	25.3	25.1	-
Textile mill products .....	22	668.3	673.9	671.1	663.7	669.1	571.7	577.0	571.7	563.9	568.8
Broadwoven fabric mills, cotton .....	221	85.9	86.2	85.8	84.9	-	76.2	76.6	76.1	75.0	-
Broadwoven fabric mills, synthetics .....	222	69.1	69.4	68.7	67.8	-	59.9	59.8	58.0	57.1	-
Broadwoven fabric mills, wool .....	223	17.5	17.4	18.0	17.7	-	14.7	14.5	15.1	15.0	-
Narrow fabric mills .....	224	20.8	21.3	21.8	20.9	-	17.5	18.0	18.4	17.5	-
Knitting mills .....	225	202.9	203.8	199.3	197.1	-	176.7	177.7	172.7	170.4	-
Women's hosiery, except socks .....	2251	29.2	29.6	28.1	27.3	-	26.0	26.5	24.8	24.0	-
Hosiery, nec .....	2252	40.3	40.4	39.0	39.3	-	36.4	36.4	35.1	35.3	-
Knit outerwear mills .....	2253	57.7	58.5	56.8	56.7	-	50.4	51.3	49.4	49.4	-
Knit underwear mills .....	2254	27.3	27.0	26.3	25.7	-	23.6	23.3	22.7	22.1	-
Weft knit fabric mills .....	2257	27.4	27.3	27.5	26.7	-	23.3	23.2	23.2	22.4	-
Textile finishing, except wool .....	226	66.5	67.7	69.3	68.5	-	54.7	55.9	56.8	56.0	-
Finishing plants, cotton .....	2261	30.0	30.3	31.0	30.7	-	24.8	25.1	25.7	25.5	-
Finishing plants, synthetics .....	2262	22.8	23.2	23.9	23.5	-	18.3	18.7	19.1	18.6	-
Carpets and rugs .....	227	58.9	59.1	59.5	60.1	-	47.6	47.9	47.8	48.2	-
Yarn and thread mills .....	228	96.0	97.8	97.7	96.6	-	85.6	87.5	87.7	86.3	-
Yarn spinning mills .....	2281	78.0	77.6	77.8	77.1	-	70.1	69.8	70.3	69.4	-
Throwing and winding mills .....	2282	13.3	13.6	13.4	13.2	-	11.6	11.8	11.7	11.4	-
Miscellaneous textile goods .....	229	50.7	51.2	51.0	50.1	-	38.8	39.1	39.1	38.4	-
Apparel and other textile products .....	23	993.4	1,004.3	990.5	960.1	977.8	830.5	841.9	830.2	801.7	818.8
Men's and boys' suits and coats .....	231	42.9	44.3	43.5	42.5	-	35.6	36.9	36.1	34.9	-
Men's and boys' furnishings .....	232	276.7	279.7	277.1	269.0	-	237.9	241.1	239.0	230.9	-
Men's and boys' shirts .....	2321	67.1	67.3	66.1	62.1	-	57.4	57.7	56.8	52.7	-
Men's and boys' trousers and slacks .....	2325	83.5	85.1	85.1	83.0	-	72.8	74.5	74.3	72.6	-
Men's and boys' work clothing .....	2326	40.6	40.9	40.7	40.1	-	35.5	35.7	35.4	34.8	-
Women's and misses' outerwear .....	233	309.9	314.4	302.8	290.0	-	258.8	263.7	253.2	242.0	-
Women's and misses' blouses and shirts .....	2331	35.8	35.8	34.6	33.3	-	29.4	29.2	28.3	27.1	-
Women's, juniors', and misses' dresses .....	2335	54.1	55.1	50.3	46.7	-	43.6	44.9	40.5	37.2	-
Women's and misses' suits and coats .....	2337	34.4	34.0	31.5	31.0	-	29.0	28.6	26.4	26.0	-
Women's and misses' outerwear, nec .....	2339	185.6	189.5	186.4	179.0	-	156.8	161.0	158.0	151.7	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
<b>Apparel and other textile products—Continued</b>											
Women's and children's undergarments .....	234	58.1	58.6	55.6	54.9	-	47.3	47.9	45.9	45.3	-
Women's and children's underwear .....	2341	46.3	46.7	43.6	43.1	-	39.1	39.5	37.3	36.9	-
Brassieres, girdles, and allied garments .....	2342	11.8	11.9	12.0	11.8	-	8.2	8.4	8.6	8.4	-
Girls' and children's outerwear .....	236	48.9	48.5	46.2	45.1	-	41.4	41.2	39.1	38.2	-
Girls' and children's dresses and blouses .....	2361	19.4	19.2	18.8	18.5	-	16.8	16.5	16.0	15.7	-
Misc. apparel and accessories .....	238	40.2	41.4	40.8	39.4	-	32.6	33.7	33.2	31.8	-
Misc. fabricated textile products .....	239	197.2	197.8	202.7	197.7	-	160.6	160.9	165.7	160.8	-
Curtains and draperies .....	2391	20.0	20.3	19.5	19.2	-	16.5	16.8	15.7	15.2	-
House furnishings, nec .....	2392	51.1	51.6	50.3	49.9	-	43.1	43.5	42.8	42.5	-
Automotive and apparel trimmings .....	2396	51.3	51.3	53.8	51.2	-	41.7	41.6	43.7	40.9	-
Paper and allied products .....	26	691.3	692.3	686.7	683.2	683.1	521.5	522.2	519.4	516.5	516.3
Paper mills .....	262	175.2	174.3	170.9	170.5	-	133.2	132.5	130.8	130.6	-
Paperboard mills .....	263	52.6	52.3	52.7	52.3	-	40.4	40.2	40.4	40.0	-
Paperboard containers and boxes .....	265	210.8	211.8	211.7	209.9	-	164.8	165.8	165.7	164.0	-
Corrugated and solid fiber boxes .....	2653	120.7	120.8	122.6	121.6	-	90.5	90.7	92.8	91.8	-
Sanitary food containers .....	2656	16.7	16.2	16.6	16.6	-	14.7	14.2	14.6	14.6	-
Folding paperboard boxes .....	2657	49.6	49.8	49.1	48.3	-	40.2	40.3	39.6	39.0	-
Misc. converted paper products .....	267	238.6	240.0	237.7	236.9	-	172.1	172.9	171.9	171.3	-
Paper, coated and laminated, nec .....	2672	45.0	45.1	44.8	44.9	-	22.0	22.0	21.8	21.8	-
Bags: plastics, laminated, and coated .....	2673	36.1	36.4	35.7	35.4	-	27.1	27.2	26.6	26.6	-
Envelopes .....	2677	23.1	23.4	23.5	23.4	-	17.7	17.9	18.1	18.0	-
Printing and publishing .....	27	1,500.2	1,499.2	1,504.5	1,502.7	1,503.7	827.6	826.8	831.4	828.9	829.6
Newspapers .....	271	450.8	450.7	452.7	452.6	-	157.3	157.5	157.6	156.7	-
Periodicals .....	272	123.1	123.2	125.3	124.8	-	42.3	42.7	43.6	42.9	-
Books .....	273	117.4	116.3	119.0	118.9	-	65.1	63.6	65.2	64.9	-
Book publishing .....	2731	81.1	79.6	82.4	82.3	-	35.4	33.8	35.4	35.0	-
Book printing .....	2732	36.3	36.7	36.6	36.6	-	29.7	29.8	29.8	29.9	-
Miscellaneous publishing .....	274	79.8	79.8	80.2	80.5	-	39.5	39.2	38.4	38.4	-
Commercial printing .....	275	526.2	526.8	528.8	527.9	-	379.9	380.6	383.3	383.0	-
Commercial printing, lithographic .....	2752	346.2	345.6	346.7	346.1	-	248.6	247.9	250.4	249.9	-
Commercial printing, nec .....	2759	161.0	161.8	163.7	163.3	-	116.1	117.1	118.1	118.0	-
Manifold business forms .....	276	47.6	47.4	46.6	46.5	-	32.8	32.6	32.6	32.6	-
Blankbooks and bookbinding .....	278	69.6	69.3	67.0	66.6	-	53.0	52.7	51.1	51.0	-
Printing trade services .....	279	58.6	58.9	59.2	58.9	-	42.5	42.6	43.2	43.0	-
Chemicals and allied products .....	28	1,088.1	1,091.8	1,082.6	1,082.2	1,079.8	567.0	571.1	571.6	572.1	575.0
Industrial inorganic chemicals .....	281	138.3	137.6	137.5	137.5	-	61.9	61.3	59.0	58.9	-
Industrial inorganic chemicals, nec .....	2819	90.0	89.5	89.5	89.5	-	41.8	41.2	39.9	39.9	-
Plastics materials and synthetics .....	282	173.4	174.2	169.4	168.3	-	104.0	105.0	106.1	106.1	-
Plastics materials and resins .....	2821	84.7	85.0	83.7	83.4	-	51.4	52.0	52.1	52.1	-
Organic fibers, noncellulosic .....	2824	61.2	61.6	58.6	57.8	-	34.9	35.2	35.7	35.4	-
Drugs .....	283	258.4	259.2	263.2	264.1	-	112.3	112.8	115.3	115.6	-
Pharmaceutical preparations .....	2834	212.5	213.5	216.8	217.5	-	94.7	95.4	96.5	96.5	-
Soap, cleaners, and toilet goods .....	284	154.0	156.3	154.6	154.9	-	93.7	95.7	95.3	95.5	-
Soap and other detergents .....	2841	42.1	41.9	41.9	41.7	-	26.4	26.3	25.4	25.0	-
Polishing, sanitation, and finishing preparations .....	2842,3	43.3	43.1	42.9	43.2	-	23.7	23.8	24.8	25.1	-
Toilet preparations .....	2844	68.6	71.3	69.8	70.0	-	43.6	45.6	45.1	45.4	-
Paints and allied products .....	285	59.3	59.5	58.9	59.4	-	31.1	31.4	31.1	31.5	-
Industrial organic chemicals .....	286	153.3	154.1	151.6	151.7	-	74.4	75.5	78.5	79.5	-
Cyclic crudes and intermediates .....	2865	25.5	25.8	25.7	25.7	-	14.6	14.9	14.7	14.7	-
Industrial organic chemicals, nec .....	2869	124.4	125.0	122.5	122.7	-	57.4	58.2	61.4	62.4	-
Agricultural chemicals .....	287	58.1	57.9	57.5	56.9	-	34.5	34.2	33.2	32.5	-
Miscellaneous chemical products .....	289	93.3	93.0	89.9	89.4	-	55.1	55.2	53.1	52.5	-
Petroleum and coal products .....	29	162.2	162.0	158.5	158.5	158.0	107.1	107.2	104.8	104.6	104.3
Petroleum refining .....	291	121.8	121.0	116.4	116.4	-	78.7	78.4	75.1	74.9	-
Asphalt paving and roofing materials .....	295	28.6	29.2	30.5	30.4	-	22.1	22.5	23.7	23.6	-
Rubber and misc. plastics products .....	30	870.0	876.4	894.1	883.7	886.8	670.9	675.9	691.4	681.6	685.7
Tires and inner tubes .....	301	82.1	82.9	84.2	83.4	-	61.2	61.8	62.4	61.7	-
Rubber and plastics footwear .....	302	10.5	9.8	11.9	11.3	-	8.8	8.2	9.7	9.3	-
Hose, belting, gaskets, and packing .....	305	59.1	59.4	60.1	60.1	-	43.7	43.8	44.8	44.6	-
Rubber and plastics hose and belting .....	3052	23.3	23.5	23.3	23.2	-	17.8	17.9	18.0	17.8	-
Fabricated rubber products, nec .....	306	99.7	101.3	101.6	99.9	-	74.3	75.9	77.0	75.1	-
Miscellaneous plastics products, nec .....	308	618.6	623.0	636.3	629.0	-	482.9	486.2	497.5	490.9	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Leather and leather products .....	31	117.4	121.2	117.0	112.7	118.9	93.9	97.7	94.1	90.4	95.5
Leather tanning and finishing .....	311	14.7	15.2	15.4	14.8	-	12.0	12.6	12.7	12.1	-
Footwear, except rubber .....	314	82.7	65.0	61.7	59.5	-	51.6	53.9	51.1	49.1	-
Men's footwear, except athletic .....	3143	28.3	29.0	28.8	28.2	-	22.1	22.9	22.7	22.2	-
Women's footwear, except athletic .....	3144	23.8	23.8	21.6	21.2	-	20.5	20.5	18.5	18.1	-
Luggage .....	316	10.2	10.3	10.5	10.0	-	7.3	7.4	7.8	7.6	-
Handbags and personal leather goods .....	317	12.0	12.7	11.6	10.9	-	8.5	9.3	8.3	7.6	-
<b>Transportation and public utilities .....</b>		<b>5,706</b>	<b>5,700</b>	<b>5,745</b>	<b>5,704</b>	<b>5,703</b>	<b>4,763</b>	<b>4,759</b>	<b>4,816</b>	<b>4,774</b>	<b>4,780</b>
<b>Transportation .....</b>		<b>3,468</b>	<b>3,465</b>	<b>3,531</b>	<b>3,491</b>	<b>3,493</b>	-	-	-	-	-
Railroad transportation .....	40	256.7	257.2	253.1	251.8	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	223.3	223.7	220.2	219.1	-	-	-	-	-	-
Local and interurban passenger transit .....	41	303.3	299.9	367.3	311.9	-	274.7	271.8	337.2	282.4	-
Local and suburban transportation .....	411	158.8	158.2	161.8	161.2	-	144.3	143.9	147.3	146.7	-
Taxicabs .....	412	28.9	29.3	28.3	27.9	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	22.5	22.7	22.5	21.2	-	20.0	20.2	20.0	18.8	-
School buses .....	415	66.3	62.9	125.8	74.9	-	-	-	-	-	-
Trucking and warehousing .....	42	1,624.0	1,625.2	1,635.1	1,646.9	1,650.7	1,415.5	1,418.3	1,425.2	1,435.1	-
Trucking and courier services, except air .....	421	1,500.6	1,500.2	1,512.9	1,524.9	-	1,312.6	1,313.2	1,323.4	1,333.9	-
Public warehousing and storage .....	422	120.1	121.7	119.1	118.9	-	99.9	102.1	99.1	98.5	-
Water transportation .....	44	178.6	177.7	172.5	175.5	-	-	-	-	-	-
Water transportation of freight, nec .....	444	14.2	14.5	13.3	13.0	-	-	-	-	-	-
Water transportation services .....	449	110.1	109.0	108.2	110.5	-	98.0	96.6	96.1	97.9	-
Transportation by air .....	45	738.4	739.1	736.8	739.7	740.9	-	-	-	-	-
Air transportation, scheduled .....	451	609.9	610.0	608.7	611.1	-	-	-	-	-	-
Air transportation, scheduled .....	4512	509.3	509.9	498.3	500.3	-	-	-	-	-	-
Airports, flying fields, and services .....	458	98.0	98.2	97.8	98.0	-	-	-	-	-	-
Pipelines, except natural gas .....	46	19.4	19.2	18.0	18.0	-	14.9	14.7	13.9	14.0	-
Transportation services .....	47	347.1	346.9	348.4	347.4	-	273.9	272.9	274.0	272.1	-
Passenger transportation arrangement .....	472	184.7	183.1	184.1	183.9	-	144.7	142.8	144.7	144.2	-
Travel agencies .....	4724	147.8	146.4	148.3	148.3	-	115.6	113.8	115.3	115.1	-
Freight transportation arrangement .....	473	131.4	132.5	132.9	132.1	-	103.5	104.4	103.0	102.0	-
<b>Communications and public utilities .....</b>		<b>2,238</b>	<b>2,235</b>	<b>2,214</b>	<b>2,213</b>	<b>2,210</b>	-	-	-	-	-
<b>Communications .....</b>	<b>48</b>	<b>1,271.8</b>	<b>1,271.6</b>	<b>1,257.3</b>	<b>1,253.9</b>	-	<b>980.6</b>	<b>980.7</b>	<b>976.7</b>	<b>973.0</b>	-
Telephone communications .....	481	891.0	891.9	877.1	873.6	-	666.4	666.6	663.1	659.5	-
Telephone communications, except radio .....	4813	838.4	838.7	818.8	814.6	-	628.0	627.6	620.2	616.1	-
Radio and television broadcasting .....	483	226.7	225.2	225.6	226.5	-	188.8	187.7	188.6	189.6	-
Radio broadcasting stations .....	4832	113.0	111.6	112.2	112.3	-	-	-	-	-	-
Television broadcasting stations .....	4833	113.7	113.6	113.4	114.2	-	-	-	-	-	-
Cable and other pay television services .....	484	128.2	128.8	129.6	128.8	-	109.0	109.5	109.7	108.7	-
Electric, gas, and sanitary services .....	49	966.0	963.0	956.6	958.6	-	764.8	761.8	753.4	756.7	-
Electric services .....	491	446.7	445.5	437.9	438.1	-	347.7	346.8	341.6	342.6	-
Gas production and distribution .....	492	165.4	164.7	163.6	164.1	-	130.7	130.2	128.3	128.6	-
Combination utility services .....	493	194.4	193.8	190.5	190.9	-	151.0	150.0	144.6	145.6	-
Sanitary services .....	495	128.9	128.6	133.6	134.4	-	111.1	110.7	114.5	115.3	-
<b>Wholesale trade .....</b>		<b>6,076</b>	<b>6,073</b>	<b>6,152</b>	<b>6,165</b>	<b>6,155</b>	<b>4,889</b>	<b>4,887</b>	<b>4,966</b>	<b>4,978</b>	<b>4,965</b>
<b>Durable goods .....</b>	<b>50</b>	<b>3,485</b>	<b>3,474</b>	<b>3,509</b>	<b>3,518</b>	<b>3,515</b>	<b>2,771</b>	<b>2,762</b>	<b>2,802</b>	<b>2,810</b>	-
Motor vehicles, parts, and supplies .....	501	451.1	451.4	458.1	460.8	-	362.8	362.9	368.7	371.8	-
Automobiles and other motor vehicles .....	5012	112.0	111.9	113.9	114.2	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	269.0	269.5	272.9	275.1	-	-	-	-	-	-
Furniture and home furnishings .....	502	138.1	139.8	139.0	139.8	-	108.9	110.7	110.5	111.4	-
Furniture .....	5021	63.2	63.6	64.2	64.4	-	-	-	-	-	-
Home furnishings .....	5023	74.9	76.2	74.8	75.4	-	-	-	-	-	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Wholesale trade—Continued</b>											
<b>Durable goods—Continued</b>											
Lumber and other construction materials .....	503	220.6	221.9	232.2	234.2	-	177.7	179.1	188.9	190.5	-
Lumber, plywood, and millwork .....	5031	112.7	113.3	118.7	119.6	-	-	-	-	-	-
Construction materials, nec .....	5039	39.4	39.6	40.4	40.5	-	-	-	-	-	-
Professional and commercial equipment .....	504	760.9	749.2	741.4	739.9	-	616.1	606.0	599.7	598.1	-
Office equipment .....	5044	188.5	186.3	185.0	185.2	-	-	-	-	-	-
Computers, peripherals and software .....	5045	287.8	277.0	263.7	259.3	-	-	-	-	-	-
Medical and hospital equipment .....	5047	148.1	149.0	156.0	157.7	-	121.9	122.8	128.1	129.6	-
Metals and minerals, except petroleum .....	505	131.0	130.7	133.1	133.4	-	103.5	103.6	106.1	106.6	-
Electrical goods .....	506	463.3	463.6	485.0	486.6	-	356.1	355.9	377.0	378.6	-
Electrical apparatus and equipment .....	5063	195.3	195.0	207.3	207.7	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	51.7	51.8	52.5	52.7	-	-	-	-	-	-
Electronic parts and equipment .....	5065	216.3	216.8	225.2	226.2	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	268.5	268.3	269.7	271.8	-	213.6	213.9	215.7	218.0	-
Hardware .....	5072	92.4	92.1	92.4	92.6	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	110.5	110.2	110.5	111.1	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	756.5	753.3	749.9	751.1	-	596.5	594.2	593.2	593.5	-
Construction and mining machinery .....	5082	72.9	72.5	72.4	73.3	-	-	-	-	-	-
Farm and garden machinery .....	5083	114.1	113.7	115.2	115.5	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	307.8	306.9	306.5	307.3	-	-	-	-	-	-
Industrial supplies .....	5085	142.1	141.4	139.4	139.6	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	294.7	295.5	300.9	300.6	-	235.4	236.0	241.9	241.8	-
Scrap and waste materials .....	5093	107.1	107.9	106.8	107.4	-	-	-	-	-	-
Nondurable goods .....	51	2,591	2,599	2,643	2,647	2,640	2,118	2,125	2,164	2,168	-
Paper and paper products .....	511	236.9	237.5	245.4	246.7	-	191.5	191.9	199.5	200.7	-
Stationery and office supplies .....	5112	127.5	128.4	133.2	134.1	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	197.4	197.5	205.0	205.7	-	164.6	164.8	170.1	170.2	-
Apparel, piece goods, and notions .....	513	208.0	210.7	210.4	210.5	-	164.4	167.3	166.4	166.4	-
Groceries and related products .....	514	863.1	868.0	880.1	883.8	-	725.4	729.3	742.2	746.5	-
Groceries, general line .....	5141	273.1	272.2	276.1	277.8	-	-	-	-	-	-
Meats and meat products .....	5147	59.9	59.8	62.1	61.8	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	101.7	106.7	103.4	103.1	-	-	-	-	-	-
Farm-product raw materials .....	515	115.1	116.0	115.2	114.5	-	93.5	94.7	94.0	93.0	-
Chemicals and allied products .....	516	140.1	139.7	140.3	139.2	-	105.2	105.0	105.9	105.0	-
Petroleum and petroleum products .....	517	176.9	175.8	178.2	179.0	-	142.0	141.3	143.6	143.4	-
Petroleum bulk stations and terminals .....	5171	73.6	73.7	74.1	74.6	-	-	-	-	-	-
Petroleum products, nec .....	5172	103.3	102.1	104.1	104.4	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	150.7	150.4	150.7	151.9	-	122.5	122.4	123.4	124.5	-
Beer and ale .....	5181	98.2	98.3	98.8	99.8	-	-	-	-	-	-
Wine and distilled beverages .....	5182	52.5	52.1	51.9	52.1	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	503.2	502.9	517.5	515.9	-	408.8	408.1	419.3	418.1	-
Farm supplies .....	5191	159.2	157.3	169.6	167.5	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>19,476</b>	<b>19,527</b>	<b>19,929</b>	<b>19,904</b>	<b>19,963</b>	<b>17,168</b>	<b>17,215</b>	<b>17,570</b>	<b>17,535</b>	<b>17,591</b>
Building materials and garden supplies .....	52	790.1	782.8	825.1	820.9	-	654.3	647.0	687.2	681.8	-
Lumber and other building materials .....	521	447.6	445.1	462.8	469.7	-	378.2	375.6	391.5	397.0	-
Paint, glass, and wallpaper stores .....	523	69.1	69.7	68.2	68.4	-	53.5	53.8	52.9	53.3	-
Hardware stores .....	525	158.7	157.2	162.8	162.0	-	130.0	128.8	133.8	133.1	-
Retail nurseries and garden stores .....	526	88.6	84.5	103.8	92.6	-	72.1	68.2	87.2	76.1	-
General merchandise stores .....	53	2,373.7	2,384.4	2,311.7	2,319.0	2,336.6	2,218.7	2,228.7	2,157.7	2,162.1	-
Department stores .....	531	2,002.2	2,013.6	1,953.4	1,961.8	-	1,887.5	1,898.3	1,839.4	1,845.1	-
Variety stores .....	533	161.0	161.1	157.8	156.4	-	145.5	145.4	142.3	140.9	-
Miscellaneous general merchandise stores .....	539	210.5	209.7	200.5	200.8	-	185.7	185.0	176.0	176.1	-
Food stores .....	54	3,193.1	3,174.4	3,235.8	3,235.0	3,226.3	2,911.6	2,892.3	2,951.7	2,949.9	-
Grocery stores .....	541	2,856.1	2,839.3	2,873.0	2,875.5	-	2,619.1	2,602.0	2,637.4	2,638.4	-
Meat and fish markets .....	542	48.7	48.3	54.1	54.5	-	-	-	-	-	-
Dairy products stores .....	545	18.9	18.8	18.0	17.7	-	-	-	-	-	-
Retail bakeries .....	546	163.2	162.0	169.0	166.8	-	146.3	145.0	150.5	148.9	-
Automotive dealers and service stations .....	55	2,002.0	2,004.4	2,049.0	2,062.4	2,070.6	1,666.9	1,670.8	1,704.3	1,716.6	-
New and used car dealers .....	551	881.8	883.8	906.9	912.0	-	732.5	734.4	754.9	759.8	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Retail trade—Continued</b>											
Automotive dealers and service stations—Continued											
Auto and home supply stores .....	553	341.9	341.9	356.5	359.6	-	271.3	271.8	282.6	286.0	-
Gasoline service stations .....	554	625.6	626.6	618.3	622.5	-	540.7	543.0	532.8	536.4	-
Automotive dealers, nec .....	559	7.5	7.5	6.8	6.7	-	6.3	6.3	5.8	5.7	-
Apparel and accessory stores .....	56	1,122.5	1,128.6	1,134.0	1,132.9	1,135.2	927.1	934.7	932.8	932.5	-
Men's and boys' clothing stores .....	561	88.5	88.1	87.9	86.9	-	71.8	71.6	70.9	69.8	-
Women's clothing stores .....	562	368.4	368.6	372.5	370.5	-	302.8	303.1	303.7	301.4	-
Family clothing stores .....	565	297.6	299.7	305.6	306.3	-	255.7	258.4	262.5	264.1	-
Shoe stores .....	566	205.5	208.0	203.7	204.3	-	162.3	165.4	159.9	161.0	-
Furniture and home furnishings stores .....	57	799.1	799.2	833.3	833.9	-	647.1	646.8	675.5	676.3	-
Furniture and home furnishings stores .....	571	438.8	438.5	459.5	460.3	-	355.4	355.3	373.0	373.8	-
Furniture stores .....	5712	263.1	263.7	277.6	276.4	-	-	-	-	-	-
Household appliance stores .....	572	73.8	74.6	71.8	71.7	-	59.9	60.4	58.3	58.3	-
Radio, television, and computer stores .....	573	286.5	286.1	302.0	301.9	-	231.8	231.1	244.2	244.2	-
Radio, television, and electronic stores .....	5731	118.3	118.9	125.3	126.5	-	96.2	97.0	102.2	103.3	-
Record and prerecorded tape stores .....	5735	63.3	63.0	65.6	65.1	-	51.3	50.9	52.8	51.9	-
Eating and drinking places .....	58	6,767.0	6,812.8	7,084.8	7,053.6	7,099.0	6,130.3	6,171.7	6,424.4	6,390.0	-
Miscellaneous retail establishments .....	59	2,428.5	2,440.0	2,455.5	2,445.8	-	2,011.7	2,022.5	2,036.7	2,026.1	-
Drug stores and proprietary stores .....	591	603.1	602.9	604.0	602.2	-	501.6	501.3	505.2	503.7	-
Liquor stores .....	592	115.2	115.8	114.3	115.7	-	-	-	-	-	-
Used merchandise stores .....	593	79.8	80.5	82.6	83.0	-	66.9	67.2	68.2	69.1	-
Miscellaneous shopping goods stores .....	594	835.5	840.6	827.9	829.5	-	689.8	695.4	685.0	685.3	-
Sporting goods and bicycle shops .....	5941	155.9	157.0	157.5	160.5	-	-	-	-	-	-
Book stores .....	5942	90.2	95.5	87.0	85.5	-	-	-	-	-	-
Stationery stores .....	5943	70.8	71.3	70.6	69.7	-	-	-	-	-	-
Jewelry stores .....	5944	132.6	130.4	133.8	132.5	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	193.5	192.4	185.9	188.7	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	63.4	63.2	60.8	58.5	-	-	-	-	-	-
Nonstore retailers .....	596	279.3	288.0	277.0	273.9	-	238.3	246.3	235.1	231.7	-
Catalog and mail-order houses .....	5961	155.7	163.6	151.5	149.7	-	-	-	-	-	-
Merchandising machine operators .....	5962	74.4	74.8	77.0	75.4	-	-	-	-	-	-
Fuel dealers .....	598	96.8	96.2	96.3	95.5	-	79.5	78.9	79.8	79.2	-
Retail stores, nec .....	599	418.8	416.0	453.4	446.0	-	343.2	340.2	370.6	362.8	-
Florists, tobacco stores, and newsstands .....	5992,3,4	134.5	133.2	150.9	145.9	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>2</sup></b> .....		<b>6,641</b>	<b>6,634</b>	<b>6,657</b>	<b>6,683</b>	<b>6,681</b>	<b>4,817</b>	<b>4,815</b>	<b>4,843</b>	<b>4,869</b>	<b>4,873</b>
Finance .....		3,177	3,174	3,220	3,237	3,240	-	-	-	-	-
Depository institutions .....	60	2,116.6	2,111.6	2,123.7	2,133.4	2,131.6	1,535.3	1,531.5	1,539.5	1,548.7	-
Commercial banks .....	602	1,498.1	1,493.9	1,501.1	1,507.6	-	1,070.9	1,067.6	1,071.2	1,077.4	-
State commercial banks .....	6022	608.7	607.1	618.2	621.0	-	438.8	437.4	443.2	446.2	-
National and commercial banks, nec .....	6021,9	889.4	886.8	882.9	886.6	-	632.1	630.2	628.0	631.2	-
Savings institutions .....	603	356.2	356.8	356.9	358.8	-	-	-	-	-	-
Federal savings institutions .....	6035	193.8	194.7	190.4	191.2	-	-	-	-	-	-
Savings institutions, except federal .....	6036	162.4	162.1	166.5	167.6	-	-	-	-	-	-
Credit unions .....	606	139.3	139.4	145.3	145.7	-	110.3	110.5	115.5	116.0	-
Nondepository institutions .....	61	393.3	394.3	408.3	410.0	-	293.4	294.7	307.7	309.6	-
Personal credit institutions .....	614	124.8	125.1	122.2	122.7	-	92.5	92.5	91.0	91.2	-
Business credit institutions .....	615	80.3	80.3	80.1	79.8	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	171.6	172.3	189.3	190.7	-	-	-	-	-	-
Security and commodity brokers .....	62	445.1	446.9	462.6	467.7	-	-	-	-	-	-
Security brokers and dealers .....	621	338.7	340.5	355.7	360.5	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	23.3	23.4	22.6	22.6	-	-	-	-	-	-
Security and commodity services .....	628	83.1	83.0	84.3	84.6	-	54.2	53.9	54.4	54.9	-
Holding and other investment offices .....	67	221.9	220.8	225.7	225.8	-	-	-	-	-	-
Holding offices .....	671	100.7	100.5	99.5	99.7	-	-	-	-	-	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Insurance .....	63,64	2,139	2,131	2,120	2,122	2,118	-	-	-	-	-
Insurance carriers .....	63	1,484.6	1,480.4	1,470.3	1,472.6	-	1,005.9	1,006.9	1,011.0	1,015.6	-
Life insurance .....	631	538.5	536.7	522.6	522.5	-	326.4	328.9	326.0	327.2	-
Medical service and health insurance .....	632	269.2	268.5	272.7	273.9	-	219.1	218.3	222.5	223.4	-
Hospital and medical service plans .....	6324	207.8	207.4	212.1	213.1	-	172.9	172.6	177.3	178.2	-
Fire, marine, and casualty insurance .....	633	555.3	553.2	547.4	547.4	-	361.6	360.4	357.8	358.7	-
Title insurance .....	636	63.4	64.3	69.4	70.4	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	653.9	650.7	649.8	649.8	-	-	-	-	-	-
Real estate .....	65	1,325	1,329	1,317	1,324	1,323	-	-	-	-	-
Real estate operators and lessors .....	651	575.9	578.5	572.4	575.3	-	-	-	-	-	-
Real estate agents and managers .....	653	597.1	598.7	591.2	596.3	-	-	-	-	-	-
Subdividers and developers .....	655	121.3	120.1	119.8	119.1	-	-	-	-	-	-
<b>Services .....</b>		<b>29,331</b>	<b>29,345</b>	<b>30,422</b>	<b>30,531</b>	<b>30,517</b>	<b>25,606</b>	<b>25,613</b>	<b>26,587</b>	<b>26,680</b>	<b>26,650</b>
Agricultural services .....	07	544.0	535.4	574.0	568.4	560.2	458.6	451.3	483.7	478.2	-
Veterinary services .....	074	141.8	141.8	144.3	145.1	-	118.8	119.1	120.6	121.0	-
Landscape and horticultural services .....	078	359.6	350.3	387.2	380.2	-	304.5	296.4	328.3	322.0	-
Hotels and other lodging places .....	70	1,684.6	1,689.7	1,660.8	1,695.6	1,699.0	-	-	-	-	-
Hotels and motels .....	701	1,606.7	1,607.1	1,588.8	1,610.2	-	1,426.7	1,426.5	1,406.0	1,425.7	-
Personal services .....	72	1,070.8	1,073.3	1,093.7	1,087.6	1,084.5	-	-	-	-	-
Laundry, cleaning, and garment services .....	721	413.0	411.5	424.7	423.4	-	364.2	362.6	375.2	373.6	-
Photographic studios, portrait .....	722	66.7	70.5	72.8	72.8	-	-	-	-	-	-
Beauty shops .....	723	374.5	375.2	382.9	381.7	-	335.1	335.9	342.5	340.2	-
Funeral service and crematories .....	726	85.4	84.7	87.8	88.0	-	-	-	-	-	-
Miscellaneous personal services .....	729	110.9	111.4	106.2	102.7	-	93.2	93.7	88.5	85.3	-
Business services .....	73	5,341.7	5,412.9	5,760.7	5,788.7	5,851.7	4,711.0	4,782.5	5,115.4	5,142.6	-
Advertising .....	731	229.2	228.2	227.5	227.9	-	162.8	161.9	166.0	166.9	-
Advertising agencies .....	7311	156.2	155.7	152.0	152.7	-	-	-	-	-	-
Credit reporting and collection .....	732	114.9	115.1	115.8	116.3	-	-	-	-	-	-
Mailing, reproduction, and stenographic services .....	733	233.5	233.4	240.3	240.6	-	-	-	-	-	-
Photocopying and duplicating services .....	7334	52.7	52.7	52.8	52.8	-	43.4	43.4	43.0	43.2	-
Services to buildings .....	734	814.9	816.0	835.3	831.5	-	728.4	729.8	749.6	745.1	-
Miscellaneous equipment rental and leasing .....	735	208.8	210.1	217.3	219.2	-	167.4	168.7	174.8	176.0	-
Heavy construction equipment rental .....	7353	40.2	39.8	41.6	42.5	-	33.6	33.2	35.2	36.1	-
Personnel supply services .....	736	1,656.1	1,724.9	1,973.3	1,999.4	2,059.6	-	-	-	-	-
Employment agencies .....	7361	220.6	228.7	258.8	265.1	-	-	-	-	-	-
Help supply services .....	7363	1,435.5	1,496.2	1,714.5	1,734.3	-	1,390.8	1,451.4	1,661.0	1,681.3	-
Computer and data processing services .....	737	829.9	830.8	879.1	884.4	-	666.1	668.3	712.8	717.5	-
Computer programming services .....	7371	167.4	166.8	182.1	183.9	-	135.6	135.7	150.6	152.3	-
Prepackaged software .....	7372	132.8	131.6	142.6	144.8	-	-	-	-	-	-
Computer integrated systems design .....	7373	102.9	103.5	110.2	111.5	-	79.3	80.4	82.8	83.7	-
Data processing and preparation .....	7374	202.4	203.4	212.0	212.5	-	-	-	-	-	-
Information retrieval services .....	7375	45.3	45.7	49.9	50.1	-	35.8	36.1	40.2	39.6	-
Computer maintenance and repair .....	7378	43.1	42.6	41.2	40.9	-	36.9	36.6	34.5	34.0	-
Miscellaneous business services .....	738	1,254.4	1,254.4	1,272.1	1,269.4	-	1,106.0	1,105.7	1,117.7	1,114.7	-
Detective and armored car services .....	7381	468.7	467.3	475.7	477.5	-	438.1	437.1	443.6	445.4	-
Security systems services .....	7382	38.0	38.5	38.6	38.9	-	32.2	32.8	33.1	33.2	-
Photofinishing laboratories .....	7384	73.9	73.6	73.0	73.3	-	-	-	-	-	-
Auto repair, services, and parking .....	75	883.7	880.0	933.9	937.8	943.3	726.1	720.7	767.8	773.2	-
Automotive rentals, without drivers .....	751	162.4	162.9	169.2	170.4	-	129.7	129.0	136.3	138.0	-
Passenger car rental .....	7514	99.2	99.5	104.8	105.9	-	79.9	79.5	84.8	85.9	-
Automobile parking .....	752	58.0	57.6	58.5	57.7	-	51.7	51.3	51.9	51.1	-
Automotive repair shops .....	753	499.1	497.9	526.6	531.6	-	403.9	402.4	425.6	431.9	-
Automotive and tire repair shops .....	7532,4	172.1	171.3	183.3	184.2	-	140.7	140.0	149.3	151.6	-
General automotive repair shops .....	7538	206.9	206.7	217.6	221.2	-	168.1	167.7	177.3	180.6	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Services—Continued</b>											
Auto repair, services, and parking—Continued											
Automotive services, except repair .....	754	164.2	161.6	179.6	178.1	-	140.8	138.0	154.0	152.2	-
Carwashes .....	7542	95.3	92.5	103.4	101.4	-	84.0	81.1	90.8	88.8	-
Miscellaneous repair services .....	76	349.8	349.7	357.2	359.9	360.0	285.6	284.7	290.9	293.5	-
Electrical repair shops .....	762	110.2	109.9	113.0	114.4	-	-	-	-	-	-
Motion pictures .....	78	409.3	409.6	420.2	423.2	426.8	339.5	338.1	347.1	352.5	-
Motion picture production and services .....	781	149.7	153.6	162.0	163.4	-	119.4	121.6	128.7	131.8	-
Motion picture theaters .....	783	119.6	116.4	116.4	117.6	-	-	-	-	-	-
Amusement and recreation services .....	79	1,351.2	1,351.8	1,349.8	1,383.6	1,377.3	1,198.8	1,198.9	1,194.3	1,223.6	-
Bowling centers .....	793	72.3	76.3	75.4	72.9	-	63.6	67.4	66.2	63.8	-
Misc. amusement and recreation services .....	799	979.3	972.7	970.0	1,005.8	-	860.1	872.9	867.5	900.7	-
Physical fitness facilities .....	7991	119.4	118.3	117.7	119.0	-	106.6	105.3	104.8	106.0	-
Membership sports and recreation clubs .....	7997	354.4	349.8	354.0	365.1	-	314.4	310.3	314.5	325.1	-
Health services .....	80	8,571.9	8,582.9	8,887.3	8,920.1	8,922.3	7,622.6	7,630.0	7,891.2	7,916.9	-
Offices and clinics of medical doctors .....	801	1,482.3	1,486.1	1,548.7	1,555.1	-	1,218.8	1,220.7	1,268.4	1,270.7	-
Offices and clinics of dentists .....	802	544.8	546.9	563.1	564.7	-	476.6	478.7	492.7	494.7	-
Offices and clinics of other health practitioners .....	804	329.0	330.4	352.9	356.4	-	270.1	270.6	290.5	293.9	-
Offices and clinics of chiropractors and optometrists .....	8041,2	149.2	149.7	155.3	158.0	-	-	-	-	-	-
Nursing and personal care facilities .....	805	1,549.0	1,553.2	1,614.4	1,620.7	-	1,400.5	1,403.7	1,457.6	1,463.0	-
Skilled nursing care facilities .....	8051	1,103.2	1,106.0	1,149.8	1,154.7	-	-	-	-	-	-
Intermediate care facilities .....	8052	220.7	222.0	231.8	231.9	-	198.6	200.1	209.0	208.6	-
Nursing and personal care, nec .....	8059	225.1	225.2	232.8	234.1	-	-	-	-	-	-
Hospitals .....	806	3,784.7	3,780.2	3,830.5	3,838.8	3,828.1	3,475.0	3,471.1	3,514.0	3,520.4	-
General medical and surgical hospitals .....	8062	3,480.4	3,477.3	3,523.0	3,530.6	-	-	-	-	-	-
Psychiatric hospitals .....	8063	102.9	101.8	101.5	100.3	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric .....	8069	201.4	201.1	206.0	207.9	-	-	-	-	-	-
Medical and dental laboratories .....	807	181.5	182.4	193.3	194.7	-	-	-	-	-	-
Home health care services .....	808	403.7	406.5	473.2	478.5	-	374.4	376.8	438.4	443.8	-
Legal services .....	81	930.7	923.2	947.1	946.6	937.6	755.2	746.3	765.6	765.0	-
Educational services .....	82	1,476.9	1,455.8	1,579.2	1,512.3	1,486.0	-	-	-	-	-
Elementary and secondary schools .....	821	430.6	421.5	473.2	443.2	-	-	-	-	-	-
Colleges and universities .....	822	831.7	820.8	893.5	853.9	-	-	-	-	-	-
Vocational schools .....	824	75.7	75.9	75.7	73.4	-	-	-	-	-	-
Social services .....	83	1,959.0	1,954.3	2,064.0	2,076.4	2,066.6	1,886.7	1,684.7	1,784.6	1,795.8	-
Individual and family services .....	832	532.6	530.0	554.4	566.0	-	463.1	459.8	480.4	491.8	-
Job training and related services .....	833	297.6	293.2	304.2	323.2	-	246.7	242.8	257.5	275.2	-
Child day care services .....	835	409.4	410.3	452.3	426.7	-	360.8	361.3	399.1	375.1	-
Residential care .....	836	541.7	541.7	577.2	579.9	-	474.0	474.3	505.5	506.7	-
Social services, nec .....	839	177.5	179.1	175.9	180.6	-	144.1	146.5	142.1	147.0	-
Museums and botanical and zoological gardens .....	84	79.7	78.6	82.2	83.2	82.6	-	-	-	-	-
Membership organizations .....	86	2,010.4	1,980.8	1,992.7	2,025.0	1,996.5	-	-	-	-	-
Business associations .....	861	106.5	105.8	104.4	105.0	-	-	-	-	-	-
Professional organizations .....	862	52.7	52.3	53.2	52.9	-	37.8	37.3	38.1	37.5	-
Labor organizations .....	863	138.7	135.7	136.1	131.7	-	-	-	-	-	-
Civic and social associations .....	864	473.8	448.0	461.7	498.6	-	-	-	-	-	-
Engineering and management services .....	87	2,482.7	2,482.7	2,534.4	2,538.6	2,538.1	1,896.4	1,893.2	1,939.4	1,942.0	-
Engineering and architectural services .....	871	755.0	757.3	779.7	781.3	-	619.6	620.1	640.9	642.9	-
Engineering services .....	8711	591.9	594.7	612.9	613.5	-	489.9	491.3	507.9	509.3	-
Architectural services .....	8712	114.8	114.3	116.3	116.2	-	89.4	88.7	91.0	90.5	-
Surveying services .....	8713	48.3	48.3	50.5	51.6	-	40.3	40.1	42.0	43.1	-
Accounting, auditing, and bookkeeping .....	872	498.3	496.4	490.7	489.4	-	362.4	358.8	355.0	351.9	-

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>				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Engineering and management services—Continued											
Research and testing services .....	873	567.2	562.0	570.2	573.6	-	423.5	420.0	429.6	433.8	-
Commercial physical research .....	8731	238.2	236.2	233.7	235.2	-	162.2	161.3	164.2	166.9	-
Commercial nonphysical research .....	8732	103.7	102.1	106.7	106.2	-	83.1	82.1	84.8	84.6	-
Noncommercial research organizations .....	8733	144.3	143.0	146.6	148.2	-	111.8	110.6	113.9	115.1	-
Management and public relations .....	874	662.2	667.0	693.8	694.3	-	490.9	494.3	513.9	513.4	-
Public relations services .....	8743	30.7	31.1	32.2	31.7	-	21.7	22.2	23.2	22.8	-
Services, nec .....	89	42.2	42.2	42.3	41.9	-	33.0	33.0	33.4	33.1	-
<b>Government</b> .....		17,699	17,565	18,902	17,859	17,675	-	-	-	-	-
Federal Government <sup>4</sup> .....		2,995	2,980	2,933	2,933	2,915	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,927.0	2,912.7	2,865.8	-	-	-	-	-	-	-
Department of Defense .....		926.7	920.8	876.6	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		788.2	785.3	779.9	-	-	-	-	-	-	-
Other executive agencies .....		1,212.1	1,206.6	1,209.3	-	-	-	-	-	-	-
Legislative .....		40.5	39.1	39.8	-	-	-	-	-	-	-
Judicial .....		27.4	27.7	27.8	-	-	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities .....		102.7	102.1	92.2	90.8	-	-	-	-	-	-
Ship building and repairing .....	3731	58.8	58.6	52.0	51.1	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		34.4	34.2	33.7	33.6	-	-	-	-	-	-
Services .....		403.2	405.1	404.1	405.5	-	-	-	-	-	-
Hospitals .....	806	237.9	237.4	240.5	241.9	-	-	-	-	-	-
State government .....		4,183	4,171	4,326	4,243	4,239	-	-	-	-	-
Hospitals .....	806	420.8	420.5	418.5	419.6	-	-	-	-	-	-
Education .....	82	1,521.5	1,521.7	1,648.6	1,556.4	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,747.3	1,734.3	1,769.8	1,779.2	-	-	-	-	-	-
Local government .....		10,521	10,414	11,643	10,683	10,521	-	-	-	-	-
Transportation and public utilities .....		454.7	453.0	449.0	451.5	-	-	-	-	-	-
Hospitals .....	806	674.1	674.6	695.5	699.3	-	-	-	-	-	-
Education .....	82	5,152.4	5,074.7	6,394.9	5,266.8	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		3,763.1	3,752.1	3,682.4	3,788.1	-	-	-	-	-	-

<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 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1992 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	May 1992	June 1992	Apr. 1993	May 1993	June 1993
<b>Total</b> .....	52,583	52,612	53,187	53,480	53,538
<b>Total private</b> .....	42,311	42,570	42,738	43,022	43,311
<b>Goods-producing</b> .....	6,549	6,588	6,420	6,436	6,469
<b>Mining</b> .....	94	94	87	87	87
<b>Construction</b> .....	511	516	500	508	516
<b>Manufacturing</b> .....	5,944	5,978	5,833	5,841	5,866
<b>Durable goods</b> .....	2,739	2,744	2,673	2,671	2,675
Lumber and wood products .....	109	111	111	111	112
Furniture and fixtures .....	145	146	145	146	147
Stone, clay, and glass products .....	103	105	100	101	102
Primary metal industries .....	93	94	91	91	91
Fabricated metal products .....	294	295	289	288	289
Industrial machinery and equipment .....	424	424	418	419	418
Electronic and other electrical equipment .....	647	648	638	638	639
Transportation equipment .....	372	372	352	351	349
Instruments and related products .....	384	383	365	363	361
Miscellaneous manufacturing .....	168	167	165	165	166
<b>Nondurable goods</b> .....	3,205	3,234	3,160	3,170	3,191
Food and kindred products .....	520	534	508	513	526
Tobacco products .....	14	14	14	14	14
Textile mill products .....	323	326	319	319	320
Apparel and other textile products .....	791	793	766	767	765
Paper and allied products .....	168	170	164	165	168
Printing and publishing .....	664	664	667	668	667
Chemicals and allied products .....	333	338	334	335	339
Petroleum and coal products .....	27	27	24	25	25
Rubber and misc. plastics products .....	299	302	299	300	302
Leather and leather products .....	67	67	64	64	64
<b>Service-producing</b> .....	46,034	46,024	46,767	47,044	47,069
<b>Transportation and public utilities</b> .....	1,680	1,684	1,673	1,682	1,688
<b>Wholesale trade</b> .....	1,848	1,864	1,859	1,870	1,874
<b>Retail trade</b> .....	10,304	10,374	10,214	10,384	10,504
<b>Finance, insurance, and real estate</b> .....	4,177	4,206	4,162	4,174	4,207
<b>Services</b> .....	17,753	17,854	18,410	18,476	18,569
<b>Government</b> .....	10,272	10,042	10,449	10,458	10,227
Federal .....	1,231	1,239	1,210	1,212	1,219
State .....	2,228	2,136	2,290	2,262	2,159
Local .....	6,813	6,667	6,949	6,984	6,849

NOTE: Establishment survey estimates are currently projected from March 1992 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1992 forward are subject to revision.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>	Aug. <sup>P</sup>
<b>Total</b> .....	108,615	108,674	108,789	108,921	109,079	109,235	109,539	109,565	109,820	110,058	110,101	110,312	110,273
<b>Total private</b> .....	89,906	89,945	90,079	90,159	90,313	90,480	90,762	90,777	91,020	91,239	91,278	91,469	91,441
<b>Goods-producing</b> .....	23,073	23,012	22,995	22,995	22,985	23,001	23,069	23,016	22,980	23,006	22,941	22,948	22,894
<b>Mining</b> <sup>1</sup> .....	623	616	618	616	613	611	600	600	600	602	596	595	591
Oil and gas extraction .....	343	338	342	341	341	342	336	334	335	338	340	344	346
<b>Construction</b> <sup>1</sup> .....	4,459	4,447	4,466	4,462	4,459	4,454	4,515	4,481	4,517	4,577	4,574	4,596	4,588
General building contractors .....	1,058	1,056	1,056	1,054	1,047	1,049	1,058	1,049	1,062	1,067	1,063	1,062	1,050
<b>Manufacturing</b> .....	17,991	17,949	17,911	17,917	17,913	17,936	17,954	17,935	17,863	17,827	17,771	17,757	17,715
<b>Durable goods</b> .....	10,192	10,164	10,135	10,142	10,136	10,152	10,163	10,144	10,090	10,047	10,011	9,991	9,965
Lumber and wood products .....	671	671	677	681	683	683	690	690	683	678	677	678	679
Furniture and fixtures .....	477	475	475	476	477	477	480	480	480	482	481	482	480
Stone, clay, and glass products .....	512	512	511	511	511	510	515	513	511	512	511	511	510
Primary metal industries .....	691	689	687	686	683	684	683	682	678	678	673	672	669
Blast furnaces and basic steel products .....	249	248	247	245	243	242	242	241	240	239	237	237	234
Fabricated metal products .....	1,320	1,316	1,312	1,312	1,310	1,318	1,320	1,320	1,316	1,310	1,306	1,301	1,300
Industrial machinery and equipment .....	1,919	1,919	1,912	1,911	1,909	1,908	1,907	1,904	1,904	1,902	1,900	1,896	1,890
Electronic and other electrical equipment .....	1,515	1,515	1,512	1,513	1,514	1,517	1,520	1,525	1,519	1,513	1,508	1,506	1,503
Transportation equipment .....	1,806	1,789	1,776	1,782	1,784	1,792	1,786	1,771	1,743	1,723	1,712	1,708	1,702
Motor vehicles and equipment .....	807	800	801	813	818	841	833	827	810	803	804	808	811
Aircraft and parts .....	603	597	591	585	579	572	570	563	558	550	541	534	528
Instruments and related products .....	919	916	912	908	903	902	900	896	892	886	880	875	871
Miscellaneous manufacturing .....	362	362	361	362	362	361	362	363	364	363	363	362	361
<b>Nondurable goods</b> .....	7,799	7,785	7,776	7,775	7,777	7,784	7,791	7,791	7,773	7,780	7,760	7,766	7,750
Food and kindred products .....	1,654	1,646	1,649	1,650	1,650	1,656	1,659	1,658	1,651	1,650	1,646	1,645	1,655
Tobacco products .....	50	49	49	47	48	48	48	48	48	48	48	47	44
Textile mill products .....	670	671	667	668	670	669	670	669	670	670	667	669	665
Apparel and other textile products .....	1,001	997	994	993	992	993	993	992	987	988	983	981	975
Paper and allied products .....	687	690	687	687	686	685	684	684	682	682	681	679	678
Printing and publishing .....	1,503	1,504	1,501	1,501	1,501	1,499	1,502	1,503	1,503	1,506	1,503	1,506	1,507
Chemicals and allied products .....	1,084	1,081	1,082	1,081	1,080	1,080	1,078	1,078	1,074	1,077	1,075	1,077	1,072
Petroleum and coal products .....	158	157	157	157	156	157	157	156	156	156	155	155	154
Rubber and misc. plastics products .....	873	871	871	873	876	880	883	886	886	887	887	890	883
Leather and leather products .....	119	119	119	118	118	117	117	117	116	116	115	117	117
<b>Service-producing</b> .....	85,542	85,662	85,794	85,926	86,094	86,234	86,470	86,549	86,840	87,052	87,160	87,364	87,379
<b>Transportation and public utilities</b> .....	5,701	5,704	5,699	5,699	5,707	5,719	5,725	5,724	5,720	5,719	5,711	5,704	5,703
Transportation .....	3,483	3,486	3,484	3,485	3,495	3,508	3,515	3,513	3,513	3,515	3,510	3,509	3,511
Trucking and warehousing .....	1,606	1,608	1,600	1,606	1,611	1,624	1,626	1,627	1,629	1,630	1,624	1,631	1,631
Transportation by air .....	730	727	728	728	730	733	736	735	737	736	735	732	731
Communications and public utilities .....	2,218	2,218	2,215	2,214	2,212	2,211	2,210	2,211	2,207	2,204	2,201	2,195	2,192
<b>Wholesale trade</b> .....	6,037	6,037	6,052	6,061	6,062	6,086	6,097	6,103	6,110	6,125	6,110	6,126	6,117
Durable goods .....	3,458	3,458	3,463	3,466	3,464	3,476	3,480	3,482	3,488	3,489	3,488	3,497	3,498
Nondurable goods .....	2,579	2,579	2,589	2,595	2,598	2,610	2,617	2,621	2,622	2,636	2,622	2,629	2,619
<b>Retail trade</b> <sup>1</sup> .....	19,359	19,380	19,402	19,405	19,460	19,523	19,629	19,604	19,648	19,702	19,751	19,785	19,785
General merchandise stores .....	2,420	2,423	2,417	2,402	2,402	2,382	2,402	2,394	2,378	2,368	2,356	2,366	2,370
Food stores .....	3,171	3,181	3,177	3,176	3,175	3,186	3,195	3,198	3,199	3,205	3,220	3,219	3,223
Automotive dealers and service stations .....	1,975	1,976	1,981	1,987	1,996	2,003	2,013	2,018	2,021	2,026	2,029	2,032	2,040
Apparel and accessory stores .....	1,131	1,127	1,129	1,131	1,134	1,135	1,146	1,143	1,138	1,144	1,145	1,143	1,137
Eating and drinking places .....	6,620	6,632	6,646	6,670	6,703	6,737	6,765	6,743	6,803	6,843	6,885	6,888	6,899
<b>Finance, insurance, and real estate</b> .....	6,558	6,565	6,570	6,569	6,575	6,578	6,577	6,574	6,585	6,588	6,590	6,602	6,604

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-4. Employees on nonfarm payrolls by major industry and manufacturing group, seasonally adjusted—Continued**

(In thousands)

Industry	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
Finance .....	3,152	3,161	3,165	3,168	3,177	3,184	3,184	3,185	3,195	3,197	3,201	3,214	3,217
Depository institutions .....	2,096	2,100	2,100	2,101	2,104	2,110	2,109	2,111	2,113	2,110	2,107	2,119	2,117
Insurance .....	2,126	2,126	2,124	2,121	2,116	2,111	2,108	2,109	2,108	2,110	2,112	2,114	2,114
Real estate .....	1,280	1,278	1,281	1,280	1,282	1,283	1,285	1,280	1,282	1,281	1,277	1,274	1,273
<b>Services<sup>1</sup></b> .....	<b>29,178</b>	<b>29,247</b>	<b>29,361</b>	<b>29,430</b>	<b>29,524</b>	<b>29,573</b>	<b>29,665</b>	<b>29,756</b>	<b>29,977</b>	<b>30,099</b>	<b>30,175</b>	<b>30,304</b>	<b>30,338</b>
Agricultural services .....	489	490	492	490	494	493	501	494	505	509	510	509	512
Hotels and other lodging places .....	1,573	1,580	1,569	1,564	1,566	1,565	1,566	1,563	1,564	1,572	1,580	1,583	1,580
Personal services .....	1,110	1,108	1,107	1,106	1,105	1,098	1,087	1,086	1,091	1,121	1,123	1,127	1,122
Business services .....	5,348	5,365	5,434	5,469	5,506	5,521	5,555	5,598	5,665	5,696	5,721	5,766	5,782
Personnel supply services .....	1,674	1,689	1,732	1,760	1,791	1,802	1,835	1,874	1,921	1,941	1,954	1,993	1,998
Auto repair, services, and parking .....	875	878	881	886	888	894	900	906	915	921	927	930	939
Miscellaneous repair services .....	346	345	346	348	347	350	351	352	353	354	356	356	356
Motion pictures .....	399	403	411	415	421	423	422	416	417	415	414	415	416
Amusement and recreation services .....	1,189	1,191	1,178	1,160	1,154	1,148	1,146	1,148	1,206	1,200	1,198	1,212	1,211
Health services .....	8,560	8,591	8,630	8,668	8,698	8,720	8,754	8,784	8,819	8,847	8,861	8,885	8,896
Hospitals .....	3,772	3,778	3,785	3,794	3,800	3,804	3,810	3,811	3,813	3,825	3,819	3,824	3,820
Legal services .....	914	917	917	919	921	924	926	928	930	931	929	929	929
Educational services .....	1,702	1,705	1,708	1,710	1,717	1,721	1,730	1,736	1,742	1,745	1,735	1,748	1,736
Social services .....	1,989	1,983	1,989	1,996	2,006	2,013	2,022	2,032	2,045	2,050	2,068	2,093	2,102
Museums and botanical and zoological gardens .....	73	74	74	74	74	74	74	73	75	76	76	77	77
Membership organizations .....	1,951	1,951	1,953	1,951	1,950	1,952	1,952	1,951	1,956	1,955	1,965	1,964	1,965
Engineering and management services .....	2,476	2,482	2,488	2,490	2,494	2,492	2,494	2,503	2,509	2,522	2,527	2,526	2,531
<b>Government</b> .....	<b>18,709</b>	<b>18,729</b>	<b>18,710</b>	<b>18,762</b>	<b>18,766</b>	<b>18,755</b>	<b>18,777</b>	<b>18,788</b>	<b>18,800</b>	<b>18,819</b>	<b>18,823</b>	<b>18,843</b>	<b>18,832</b>
Federal .....	2,961	2,966	2,945	2,943	2,968	2,945	2,944	2,938	2,923	2,912	2,901	2,901	2,898
State .....	4,412	4,436	4,426	4,424	4,431	4,435	4,439	4,443	4,458	4,462	4,451	4,480	4,486
Local .....	11,336	11,327	11,339	11,395	11,367	11,375	11,394	11,407	11,419	11,445	11,471	11,462	11,448

<sup>1</sup> Includes other industries, not shown separately.

<sup>p</sup> = preliminary.

NOTE: Establishment survey estimates are currently projected from

March 1992 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1989 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	1992							1993					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
<b>Total</b> .....	52,379	52,534	52,533	52,547	52,589	52,667	52,732	52,816	52,937	52,943	53,103	53,254	53,307
<b>Total private</b> .....	42,359	42,435	42,420	42,453	42,510	42,538	42,610	42,690	42,791	42,784	42,937	43,075	43,103
<b>Goods-producing</b> .....	6,553	6,563	6,516	6,496	6,483	6,483	6,483	6,492	6,498	6,489	6,472	6,461	6,433
<b>Mining</b> .....	93	91	91	91	91	91	90	90	88	87	87	87	86
<b>Construction</b> .....	508	508	508	508	505	506	504	506	510	507	507	506	508
<b>Manufacturing</b> .....	5,952	5,964	5,917	5,897	5,887	5,886	5,889	5,896	5,900	5,895	5,878	5,868	5,839
<b>Durable goods</b> .....	2,730	2,726	2,709	2,703	2,693	2,693	2,694	2,700	2,700	2,695	2,683	2,671	2,660
Lumber and wood products .....	109	109	109	109	110	111	111	112	112	113	112	110	110
Furniture and fixtures .....	145	146	145	144	144	144	144	145	146	146	145	145	146
Stone, clay, and glass products .....	104	104	103	103	102	102	102	102	103	102	102	101	101
Primary metal industries .....	93	93	92	92	91	91	91	92	92	91	91	91	91
Fabricated metal products .....	293	292	291	290	289	289	290	291	292	291	290	288	287
Industrial machinery and equipment .....	421	420	417	418	417	418	418	419	419	420	418	418	415
Electronic and other electrical equipment .....	646	645	642	642	640	640	640	640	642	642	640	639	637
Transportation equipment .....	370	368	366	362	361	359	361	363	359	356	353	351	347
Instruments and related products .....	382	381	379	378	375	374	372	371	370	368	366	363	361
Miscellaneous manufacturing .....	167	168	165	165	164	165	165	165	165	166	166	165	165
<b>Nondurable goods</b> .....	3,222	3,238	3,208	3,194	3,194	3,193	3,195	3,196	3,200	3,200	3,195	3,197	3,179
Food and kindred products .....	540	546	537	527	532	533	533	535	536	536	535	535	531
Tobacco products .....	16	16	17	16	16	15	16	16	16	15	16	16	16
Textile mill products .....	323	323	322	321	319	320	320	320	320	319	320	320	318
Apparel and other textile products .....	787	796	780	777	774	772	771	770	769	770	766	766	759
Paper and allied products .....	168	167	167	167	167	167	168	168	168	167	166	166	165
Printing and publishing .....	662	663	661	663	662	663	664	664	666	666	666	667	666
Chemicals and allied products .....	335	335	335	335	336	336	336	336	336	337	336	337	336
Petroleum and coal products .....	26	26	26	26	26	25	25	25	25	25	25	25	25
Rubber and misc. plastics products .....	299	299	297	296	296	296	297	298	299	300	300	301	299
Leather and leather products .....	66	67	66	66	66	66	65	64	65	65	65	64	64
<b>Service-producing</b> .....	45,826	45,971	46,017	46,051	46,106	46,184	46,249	46,324	46,439	46,454	46,631	46,793	46,874
<b>Transportation and public utilities</b> .....	1,676	1,678	1,676	1,675	1,675	1,674	1,674	1,677	1,679	1,680	1,678	1,679	1,681
<b>Wholesale trade</b> .....	1,857	1,852	1,851	1,851	1,851	1,856	1,855	1,868	1,869	1,869	1,874	1,876	1,867
<b>Retail trade</b> .....	10,299	10,300	10,297	10,289	10,293	10,279	10,294	10,331	10,381	10,348	10,370	10,405	10,431
<b>Finance, insurance, and real estate</b> .....	4,178	4,168	4,163	4,171	4,171	4,167	4,167	4,169	4,166	4,162	4,170	4,178	4,178
<b>Services</b> .....	17,796	17,874	17,917	17,971	18,037	18,079	18,137	18,153	18,198	18,236	18,373	18,476	18,513
<b>Government</b> .....	10,020	10,099	10,113	10,094	10,079	10,129	10,122	10,126	10,146	10,159	10,166	10,179	10,204
Federal .....	1,227	1,218	1,220	1,222	1,216	1,219	1,228	1,221	1,222	1,220	1,216	1,212	1,207
State .....	2,201	2,214	2,205	2,217	2,209	2,207	2,213	2,216	2,218	2,220	2,223	2,226	2,223
Local .....	6,592	6,667	6,688	6,655	6,654	6,703	6,681	6,689	6,706	6,719	6,727	6,741	6,774

NOTE: Establishment survey estimates are currently projected from March 1992 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1989 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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>	Aug. <sup>P</sup>
<b>Total private</b> .....	72,912	72,985	73,131	73,215	73,380	73,543	73,831	73,827	74,014	74,291	74,296	74,468	74,451
<b>Goods-producing</b> .....	16,057	16,017	16,015	16,025	16,031	16,041	16,121	16,088	16,068	16,115	16,064	16,078	16,032
<b>Mining</b> .....	440	437	438	436	434	432	424	424	423	426	421	419	413
<b>Construction</b> .....	3,408	3,399	3,419	3,414	3,414	3,399	3,463	3,433	3,467	3,534	3,528	3,550	3,538
<b>Manufacturing</b> .....	12,209	12,181	12,158	12,175	12,183	12,210	12,234	12,231	12,178	12,155	12,115	12,109	12,081
<b>Durable goods</b> .....	6,768	6,753	6,738	6,754	6,757	6,775	6,790	6,783	6,745	6,718	6,696	6,685	6,666
Lumber and wood products .....	550	551	555	560	562	562	569	569	561	557	556	557	558
Furniture and fixtures .....	376	374	375	375	376	377	379	379	379	381	380	379	378
Stone, clay, and glass products .....	395	395	394	394	395	394	398	397	393	394	393	394	392
Primary metal industries .....	523	522	520	520	519	520	520	520	516	516	513	511	510
Blast furnaces and basic steel products .....	188	187	187	185	184	184	184	184	183	183	181	180	176
Fabricated metal products .....	969	966	962	964	962	969	972	973	969	966	964	959	960
Industrial machinery and equipment .....	1,147	1,149	1,146	1,148	1,148	1,149	1,149	1,147	1,148	1,148	1,150	1,148	1,143
Electronic and other electrical equipment .....	964	963	963	965	967	964	970	973	970	967	963	963	958
Transportation equipment .....	1,134	1,124	1,117	1,124	1,126	1,140	1,132	1,125	1,109	1,096	1,087	1,087	1,085
Motor vehicles and equipment .....	619	612	613	624	628	651	643	639	625	619	617	621	622
Instruments and related products .....	451	449	447	445	443	442	441	439	438	432	430	427	424
Miscellaneous manufacturing .....	259	260	259	259	259	258	260	261	262	261	260	260	258
<b>Nondurable goods</b> .....	5,441	5,428	5,420	5,421	5,426	5,435	5,444	5,448	5,433	5,437	5,419	5,424	5,415
Food and kindred products .....	1,206	1,198	1,201	1,203	1,205	1,210	1,212	1,212	1,206	1,203	1,199	1,199	1,211
Tobacco products .....	37	37	37	35	36	36	36	36	36	36	36	35	32
Textile mill products .....	573	574	569	571	572	571	571	569	571	571	568	569	565
Apparel and other textile products .....	839	835	833	832	832	833	832	834	828	829	823	821	816
Paper and allied products .....	518	520	517	517	516	516	517	517	514	515	515	513	512
Printing and publishing .....	830	830	829	829	830	829	831	832	832	833	832	833	833
Chemicals and allied products .....	565	563	563	562	562	563	563	565	565	568	566	570	569
Petroleum and coal products .....	104	104	103	103	102	103	104	103	103	103	102	102	101
Rubber and misc. plastics products .....	673	671	672	674	676	680	684	686	685	686	685	688	682
Leather and leather products .....	96	96	96	95	95	94	94	94	93	93	93	94	94
<b>Service-producing</b> .....	56,855	56,968	57,116	57,190	57,349	57,502	57,710	57,739	57,946	58,176	58,232	58,390	58,419
<b>Transportation and public utilities</b> .....	4,758	4,768	4,766	4,767	4,779	4,793	4,801	4,794	4,792	4,790	4,783	4,779	4,780
<b>Wholesale trade</b> .....	4,852	4,854	4,870	4,880	4,880	4,904	4,915	4,923	4,924	4,935	4,922	4,938	4,930
<b>Retail trade</b> .....	17,047	17,065	17,090	17,100	17,146	17,211	17,314	17,274	17,302	17,371	17,396	17,413	17,417
<b>Finance, insurance, and real estate</b> .....	4,745	4,751	4,755	4,755	4,762	4,769	4,769	4,769	4,767	4,775	4,781	4,792	4,801
<b>Services</b> .....	25,453	25,530	25,635	25,688	25,782	25,825	25,911	25,979	26,161	26,305	26,350	26,468	26,491

<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 1992 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1989 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 .....	59.0	57.4	52.1	49.2	49.9	51.3	45.9	44.1	42.7	40.9	41.7	40.3
1991 .....	39.2	39.9	40.2	36.7	50.0	43.7	47.6	52.9	48.0	46.9	46.1	45.2
1992 .....	41.9	45.6	51.1	55.9	52.5	45.2	52.2	45.5	52.7	52.4	52.0	54.8
1993 .....	58.1	59.7	51.0	53.8	56.9	46.5	<sup>P</sup> 57.3	<sup>P</sup> 46.6				
<b>Over 3-month span:</b>												
1990 .....	59.0	59.8	53.9	48.9	48.0	47.2	46.2	40.6	36.9	35.5	35.5	35.3
1991 .....	33.8	32.4	32.0	39.0	38.9	43.8	48.0	49.4	50.3	44.5	42.6	40.3
1992 .....	40.7	44.5	51.8	56.0	52.9	50.4	44.8	47.8	47.3	52.0	54.2	57.2
1993 .....	61.8	60.8	58.7	56.2	52.4	<sup>P</sup> 54.6	<sup>P</sup> 47.6					
<b>Over 6-month span:</b>												
1990 .....	58.7	55.2	55.3	51.3	46.9	43.4	40.4	38.6	36.0	33.3	32.0	31.0
1991 .....	30.2	33.0	31.9	33.7	39.3	43.7	46.2	45.2	46.9	43.8	41.6	41.2
1992 .....	45.4	47.1	47.5	51.7	51.3	48.9	47.3	45.6	48.9	51.8	57.7	56.6
1993 .....	59.7	58.3	58.3	<sup>P</sup> 57.3	<sup>P</sup> 50.8							
<b>Over 12-month span:</b>												
1990 .....	55.5	52.7	51.7	46.5	45.4	42.6	39.3	36.1	35.8	33.0	33.0	30.6
1991 .....	31.0	31.0	31.7	31.9	31.7	33.8	35.8	37.5	40.0	44.9	45.5	46.3
1992 .....	47.8	43.0	42.3	42.7	45.8	47.2	49.3	54.2	53.1	51.3	52.1	51.5
1993 .....	<sup>P</sup> 52.8	<sup>P</sup> 53.1										
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1990 .....	48.9	46.6	44.6	47.5	40.3	44.8	40.3	39.6	35.6	38.1	29.1	34.5
1991 .....	33.8	34.2	33.5	36.3	46.4	42.1	45.3	51.8	41.7	47.1	41.4	40.3
1992 .....	37.4	41.4	47.8	49.6	45.7	41.0	50.4	37.1	46.8	39.6	50.4	47.1
1993 .....	53.2	54.7	47.5	36.3	50.7	38.5	<sup>P</sup> 50.4	<sup>P</sup> 40.3				
<b>Over 3-month span:</b>												
1990 .....	45.7	47.1	46.4	39.6	40.3	38.1	36.0	29.1	29.1	22.7	23.0	22.3
1991 .....	23.7	22.3	19.8	33.5	35.6	38.8	45.7	48.0	46.6	38.8	37.4	33.1
1992 .....	33.5	38.5	43.5	45.0	41.7	44.6	35.6	37.1	29.9	39.9	42.8	51.4
1993 .....	55.0	57.6	45.7	42.1	34.2	<sup>P</sup> 44.6	<sup>P</sup> 35.3					
<b>Over 6-month span:</b>												
1990 .....	46.0	41.4	42.4	41.7	35.6	32.4	28.1	25.2	21.9	21.2	18.3	17.6
1991 .....	14.7	20.9	21.6	25.5	34.5	38.8	42.4	40.3	41.0	38.1	34.5	34.2
1992 .....	34.9	34.5	36.0	42.8	39.6	36.0	30.2	31.7	34.2	37.4	46.6	49.6
1993 .....	50.7	46.0	45.0	<sup>P</sup> 43.5	<sup>P</sup> 36.0							
<b>Over 12-month span:</b>												
1990 .....	37.8	35.3	33.5	33.1	28.1	26.3	23.7	20.5	19.4	16.5	16.2	15.8
1991 .....	16.5	16.2	17.3	18.0	20.9	24.1	26.3	30.6	32.7	37.8	36.7	36.7
1992 .....	41.0	33.5	31.3	27.7	31.3	34.5	35.6	41.4	41.7	37.1	38.1	36.3
1993 .....	<sup>P</sup> 37.4	<sup>P</sup> 39.2										

<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 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1992) and all seasonally adjusted data (beginning January 1989) are subject to revision.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted**

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>
	Total <sup>1</sup>												
Alabama .....	1,673.4	1,679.6	1,675.8	1,683.6	1,688.1	1,691.0	1,698.1	1,703.7	1,698.9	1,694.8	1,690.1	1,687.4	1,684.5
Alaska .....	246.9	246.3	247.1	247.0	247.6	247.6	251.8	251.0	251.2	249.5	248.9	249.4	249.3
Arizona .....	1,528.3	1,528.4	1,540.6	1,532.6	1,534.4	1,532.7	1,537.1	1,543.2	1,543.2	1,541.3	1,538.9	1,551.8	1,559.1
Arkansas .....	963.7	963.9	966.8	969.9	973.0	976.1	981.9	981.2	980.4	981.2	979.4	979.2	978.3
California .....	12,159.2	12,120.4	12,094.7	12,071.7	12,064.0	12,039.3	12,030.4	12,030.8	12,018.1	12,004.8	11,985.6	11,959.4	11,969.7
Colorado .....	1,597.2	1,601.1	1,601.8	1,610.9	1,610.1	1,610.1	1,615.1	1,619.9	1,622.7	1,631.9	1,631.5	1,630.5	1,637.0
Connecticut .....	1,523.7	1,518.7	1,511.8	1,512.9	1,512.1	1,507.2	1,508.9	1,511.1	1,503.0	1,502.6	1,498.0	1,488.2	1,494.4
Delaware .....	344.7	344.7	345.0	344.4	348.8	347.7	349.7	349.1	346.0	347.3	346.1	346.6	346.7
District of Columbia .....	679.0	677.3	676.4	678.9	678.0	677.7	677.9	679.9	678.0	681.4	678.5	674.7	683.2
Florida .....	5,352.3	5,349.7	5,353.0	5,371.5	5,374.9	5,382.9	5,400.7	5,422.4	5,426.4	5,450.9	5,446.7	5,451.8	5,476.7
Georgia .....	2,988.3	2,987.9	2,990.4	3,014.5	3,017.9	3,018.2	3,046.2	3,053.6	3,043.0	3,054.3	3,053.6	3,056.2	3,069.8
Hawaii .....	542.5	539.1	538.3	537.2	536.8	537.0	535.0	536.1	535.8	536.1	536.5	533.3	534.0
Idaho .....	418.8	418.4	418.5	420.4	422.7	423.6	424.9	423.6	425.6	427.0	427.8	424.9	426.5
Illinois .....	5,187.9	5,178.3	5,197.2	5,219.2	5,222.0	5,221.3	5,236.6	5,246.3	5,230.8	5,236.9	5,234.1	5,215.0	5,229.1
Indiana .....	2,538.8	2,538.2	2,538.2	2,546.9	2,553.4	2,556.3	2,570.3	2,570.4	2,562.0	2,558.9	2,558.5	2,565.7	2,567.7
Iowa .....	1,251.6	1,251.4	1,252.4	1,253.0	1,256.1	1,252.6	1,260.4	1,261.0	1,260.7	1,253.2	1,254.3	1,253.8	1,252.4
Kansas .....	1,118.7	1,119.9	1,113.1	1,118.0	1,121.6	1,122.0	1,128.9	1,134.1	1,132.5	1,132.7	1,129.6	1,132.1	1,133.6
Kentucky .....	1,514.8	1,511.3	1,514.7	1,521.0	1,522.5	1,522.9	1,533.6	1,538.4	1,532.9	1,528.5	1,523.9	1,528.9	1,533.4
Louisiana .....	1,632.8	1,629.2	1,629.9	1,617.7	1,620.5	1,620.8	1,636.3	1,637.6	1,631.0	1,618.4	1,609.6	1,617.5	1,626.4
Maine .....	515.7	515.2	515.1	514.9	515.8	513.9	519.1	519.6	517.0	514.5	512.0	507.3	509.6
Maryland .....	2,081.1	2,075.7	2,071.0	2,076.6	2,072.3	2,071.1	2,087.0	2,083.5	2,070.4	2,075.5	2,076.9	2,064.7	2,065.8
Massachusetts .....	2,773.1	2,763.9	2,761.3	2,773.0	2,770.5	2,758.7	2,798.5	2,786.0	2,774.7	2,772.4	2,762.3	2,753.5	2,758.0
Michigan .....	3,904.1	3,920.1	3,907.2	3,923.8	3,939.5	3,944.7	3,989.8	3,985.7	3,964.3	3,950.5	3,957.6	3,950.2	3,960.1
Minnesota .....	2,186.7	2,191.9	2,198.6	2,207.8	2,208.9	2,212.4	2,219.2	2,222.9	2,222.4	2,225.0	2,228.3	2,229.0	2,235.4
Mississippi .....	961.2	968.0	966.4	972.5	975.1	979.0	982.5	987.8	984.1	982.4	978.6	978.6	978.9
Missouri .....	2,322.2	2,318.6	2,316.8	2,323.9	2,323.7	2,319.4	2,337.0	2,348.2	2,344.5	2,346.7	2,341.2	2,337.9	2,330.3
Montana .....	316.9	317.9	318.0	319.2	320.6	321.9	324.4	326.3	325.2	323.8	321.9	321.4	321.9
Nebraska .....	744.4	745.8	747.7	751.6	754.1	748.4	750.7	750.0	749.7	748.8	749.7	744.8	745.4
Nevada .....	639.8	642.3	647.4	647.2	653.9	651.6	658.1	658.7	659.7	660.1	658.5	660.5	658.8
New Hampshire .....	485.6	484.9	485.5	487.2	486.5	486.0	494.4	496.4	492.9	492.3	489.8	487.2	487.0
New Jersey .....	3,441.2	3,434.5	3,423.6	3,430.9	3,429.3	3,423.8	3,440.3	3,430.0	3,412.6	3,409.8	3,407.6	3,403.7	3,399.2
New Mexico .....	597.0	597.0	598.3	599.1	604.1	600.2	602.1	605.1	605.8	606.7	611.2	611.1	615.0
New York .....	7,754.5	7,730.1	7,697.4	7,697.3	7,695.8	7,688.4	7,725.8	7,730.1	7,712.0	7,710.9	7,708.3	7,685.8	7,701.6
North Carolina .....	3,139.7	3,136.3	3,143.9	3,156.0	3,161.9	3,172.5	3,196.3	3,204.1	3,195.4	3,197.4	3,203.3	3,204.8	3,217.4
North Dakota .....	277.2	278.7	278.3	279.3	279.9	280.0	283.6	284.1	281.8	281.2	281.3	281.7	282.9
Ohio .....	4,839.0	4,838.2	4,841.6	4,847.4	4,855.3	4,863.0	4,888.9	4,886.8	4,877.2	4,870.3	4,865.6	4,863.2	4,857.0
Oklahoma .....	1,225.0	1,211.3	1,197.6	1,207.3	1,202.9	1,202.2	1,211.1	1,221.3	1,220.3	1,220.1	1,217.9	1,220.2	1,240.4
Oregon .....	1,273.8	1,270.0	1,272.6	1,274.5	1,281.6	1,277.2	1,284.7	1,293.9	1,293.5	1,290.7	1,287.2	1,289.4	1,291.8
Pennsylvania .....	5,071.1	5,060.3	5,062.3	5,076.7	5,076.6	5,074.0	5,105.4	5,114.1	5,088.9	5,097.1	5,101.9	5,085.6	5,077.2
Rhode Island .....	421.6	421.9	420.5	420.7	420.3	419.3	426.6	425.4	422.8	421.6	422.5	422.7	421.9
South Carolina .....	1,527.1	1,530.7	1,532.2	1,541.1	1,551.3	1,543.9	1,558.5	1,558.5	1,558.2	1,559.2	1,554.9	1,552.5	1,559.1
South Dakota .....	306.4	307.9	307.7	308.8	309.9	310.3	311.8	312.2	312.9	312.0	311.7	313.8	314.0
Tennessee .....	2,236.8	2,232.2	2,235.6	2,239.4	2,242.3	2,244.0	2,258.8	2,259.5	2,260.7	2,264.1	2,263.2	2,262.7	2,267.6
Texas .....	7,293.6	7,298.4	7,287.8	7,314.3	7,324.6	7,339.1	7,431.0	7,430.6	7,430.3	7,424.8	7,407.3	7,401.9	7,416.1
Utah .....	769.3	771.4	773.4	777.8	776.6	778.2	784.0	791.1	793.9	795.4	798.2	801.7	805.9
Vermont .....	248.3	248.2	248.5	249.6	251.0	249.2	251.1	253.7	253.0	253.0	252.0	250.0	249.1
Virginia .....	2,842.1	2,834.6	2,838.7	2,848.2	2,851.4	2,849.0	2,867.5	2,866.5	2,853.6	2,860.5	2,855.2	2,847.5	2,860.2
Washington .....	2,215.3	2,211.9	2,217.0	2,227.4	2,229.4	2,232.0	2,242.3	2,244.9	2,240.4	2,242.4	2,237.1	2,232.3	2,231.2
West Virginia .....	640.6	640.5	639.9	641.4	643.7	644.3	647.6	646.3	647.2	650.5	653.2	649.2	646.0
Wisconsin .....	2,352.7	2,352.1	2,356.7	2,360.6	2,363.1	2,365.0	2,378.4	2,388.1	2,386.5	2,383.7	2,392.7	2,386.8	2,391.9
Wyoming .....	204.2	204.4	204.7	205.1	205.5	205.6	205.9	205.3	205.0	204.5	205.7	206.5	206.6

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued**

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>
<b>Construction</b>													
Alabama .....	74.8	75.1	75.4	76.6	76.7	77.0	77.5	78.2	77.2	76.9	76.1	75.6	76.5
Alaska .....	10.4	10.5	10.5	10.5	10.5	10.7	10.6	10.7	11.0	10.8	10.9	11.1	11.3
Arizona .....	82.2	82.2	81.8	83.3	83.9	83.9	82.3	84.5	85.0	84.9	84.7	85.0	86.3
Arkansas .....	38.0	38.3	38.4	38.3	38.5	38.9	39.1	38.6	38.7	38.6	38.4	39.2	39.3
California .....	475.8	474.0	470.0	468.4	465.4	458.2	443.1	451.2	460.8	460.0	460.1	456.2	458.0
Colorado .....	75.0	75.2	75.2	75.4	76.1	75.5	75.2	76.8	79.2	82.1	82.0	84.2	84.5
Connecticut .....	46.8	46.8	45.8	47.0	47.4	47.5	48.5	49.3	47.3	46.9	45.9	43.9	43.7
Delaware .....	18.6	18.6	18.8	19.1	19.2	19.4	19.6	19.6	19.0	19.1	19.6	19.7	19.5
District of Columbia .....	9.1	8.9	8.6	8.6	8.5	8.4	9.1	9.2	9.0	9.8	9.6	9.4	9.3
Florida .....	261.3	258.0	262.9	266.2	268.8	271.5	279.3	281.6	278.7	278.6	277.0	275.3	276.1
Georgia .....	121.2	119.7	118.1	120.0	120.2	121.4	123.2	126.3	125.8	125.9	127.3	127.3	130.6
Hawaii <sup>2</sup> .....	30.9	30.6	30.2	30.9	31.5	31.3	31.6	32.1	31.6	31.7	31.3	31.0	30.7
Idaho .....	22.8	22.7	22.9	23.4	23.6	23.7	23.7	23.9	23.6	24.1	24.4	23.8	23.5
Illinois .....	201.5	201.6	201.6	202.4	201.4	202.4	202.3	205.6	203.2	201.0	196.0	195.7	195.9
Indiana .....	109.8	109.6	109.4	109.8	109.6	109.8	111.9	111.5	109.0	110.0	111.8	113.9	113.0
Iowa .....	47.7	47.4	47.5	48.3	47.1	46.1	47.9	48.0	47.4	44.3	46.3	47.6	47.6
Kansas .....	44.4	43.9	44.2	44.4	44.3	44.8	45.5	46.5	46.0	45.1	45.5	45.5	45.0
Kentucky .....	70.2	69.6	69.6	70.1	70.5	71.1	69.4	71.1	68.7	68.6	68.7	69.6	70.7
Louisiana .....	100.3	99.2	98.3	98.9	99.6	100.2	103.1	102.6	100.0	99.9	99.0	99.2	99.1
Maine .....	20.7	20.8	21.1	21.3	21.4	21.9	23.5	23.4	23.1	22.7	21.8	21.3	21.7
Maryland .....	118.4	116.4	115.2	115.7	114.7	114.6	116.4	115.0	112.8	111.2	112.4	110.8	111.6
Massachusetts .....	68.1	67.7	69.2	72.3	72.9	72.7	79.4	78.8	75.5	74.1	71.7	71.3	73.4
Michigan .....	127.3	128.2	127.5	127.0	127.1	127.5	132.9	131.6	128.1	128.4	132.2	132.5	137.0
Minnesota .....	77.3	77.2	77.1	77.1	76.5	77.6	77.9	78.0	78.3	77.3	77.3	77.3	77.5
Mississippi .....	37.2	36.0	36.2	35.4	35.5	35.8	36.8	38.8	38.8	38.2	37.7	38.0	37.0
Missouri .....	89.1	90.1	90.6	92.1	91.3	92.3	91.3	96.0	94.1	93.4	93.6	93.1	91.7
Montana .....	12.8	13.2	13.3	13.5	13.7	13.7	13.6	14.4	14.1	13.9	13.9	14.1	13.7
Nebraska .....	27.7	27.5	28.1	28.1	28.3	28.8	28.6	29.1	28.8	28.7	29.2	29.1	29.2
Nevada .....	38.7	38.9	39.6	40.6	41.4	42.3	44.1	46.0	45.6	45.9	46.3	45.8	46.1
New Hampshire .....	16.2	16.5	16.1	16.4	16.3	15.8	17.5	17.5	17.6	17.1	16.6	16.7	16.9
New Jersey .....	105.9	105.3	104.8	105.8	104.1	103.7	109.4	105.6	101.8	99.7	98.6	96.0	94.1
New Mexico .....	30.1	30.2	30.4	30.4	30.4	30.4	31.7	31.7	31.8	32.3	32.9	32.6	33.6
New York .....	240.2	238.2	234.6	231.7	228.8	227.9	235.4	235.1	237.9	238.0	238.6	236.8	238.1
North Carolina .....	145.2	145.3	145.3	146.3	146.6	147.6	149.1	149.1	147.8	147.9	147.8	148.0	149.1
North Dakota .....	11.0	11.0	10.8	10.8	10.9	11.1	11.9	12.0	11.7	11.4	11.5	11.6	11.4
Ohio .....	181.7	182.0	182.1	182.8	182.6	183.6	186.5	186.6	186.2	184.8	184.3	183.9	183.1
Oklahoma .....	37.6	37.8	38.4	38.5	37.9	37.8	38.3	40.3	40.3	39.7	40.0	39.6	39.0
Oregon .....	50.9	49.8	49.2	48.9	48.8	48.4	48.7	50.9	50.8	50.2	50.3	49.8	51.2
Pennsylvania .....	195.2	194.3	194.3	195.4	195.0	194.7	198.9	198.3	191.4	192.4	193.8	192.1	191.9
Rhode Island .....	12.3	12.3	12.6	12.2	12.2	12.6	14.1	13.8	13.5	13.8	14.1	13.7	13.4
South Carolina .....	81.3	81.8	81.9	82.0	81.9	81.7	82.0	82.6	81.9	81.8	81.1	80.6	82.2
South Dakota .....	12.7	12.8	12.8	12.8	12.3	12.8	12.6	12.8	12.6	12.3	12.8	13.3	13.3
Tennessee .....	65.2	64.6	64.5	64.1	63.6	63.4	65.5	66.6	66.3	66.8	67.6	68.0	68.4
Texas .....	345.9	344.1	343.4	343.6	345.4	347.7	351.7	351.2	348.7	348.7	347.0	349.2	350.6
Utah .....	34.7	34.7	35.2	35.9	36.0	36.5	38.7	40.0	39.7	39.1	38.3	38.5	39.2
Vermont .....	11.1	11.1	11.2	11.6	11.8	12.1	13.0	13.0	13.1	12.4	11.9	11.5	11.4
Virginia .....	145.4	144.9	144.6	145.4	145.3	146.3	148.9	149.4	146.4	146.2	145.3	144.7	146.4
Washington .....	118.7	118.4	117.9	120.1	120.9	121.7	122.3	124.0	122.8	122.5	121.5	120.5	121.2
West Virginia .....	27.8	27.7	27.5	27.7	27.8	27.8	29.3	29.5	29.3	29.9	31.0	30.4	30.8
Wisconsin .....	91.5	91.5	91.8	92.8	93.7	94.6	94.2	96.0	96.0	98.4	100.1	101.1	102.7
Wyoming .....	10.9	11.3	11.3	11.3	11.4	11.5	11.4	11.3	10.7	10.7	10.8	11.0	10.9

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued**

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July*
	Manufacturing												
Alabama .....	379.3	380.5	380.0	381.1	381.8	382.5	384.7	385.7	384.1	382.3	379.9	378.4	376.9
Alaska .....	17.9	17.3	17.7	17.5	16.9	17.0	18.7	19.2	19.6	17.1	15.8	17.3	17.1
Arizona .....	172.0	171.2	171.1	171.0	170.5	170.5	171.0	170.9	171.5	171.1	171.6	171.3	170.4
Arkansas .....	236.4	235.7	236.0	236.2	237.6	238.3	239.9	242.0	242.2	243.1	242.4	241.1	241.2
California .....	1,897.6	1,880.1	1,867.0	1,853.4	1,854.6	1,846.1	1,843.7	1,837.2	1,824.7	1,816.6	1,806.1	1,798.3	1,798.3
Colorado .....	184.7	184.6	184.2	183.8	183.6	182.7	184.5	183.8	183.5	183.4	182.7	182.7	182.4
Connecticut .....	305.2	303.3	303.3	302.0	300.7	298.8	297.9	297.5	295.3	293.8	292.0	290.0	288.7
Delaware .....	67.6	67.5	67.2	64.4	68.2	67.4	67.2	67.0	66.2	66.6	66.2	65.8	65.6
District of Columbia .....	14.0	13.9	14.0	13.9	13.9	13.8	13.8	13.7	13.6	13.6	13.8	14.0	13.9
Florida .....	482.4	480.4	478.9	479.0	477.9	475.9	480.5	481.5	481.2	480.0	479.5	478.8	481.1
Georgia .....	545.1	542.8	546.0	546.8	546.5	546.6	551.4	551.4	547.8	548.4	546.2	543.7	547.0
Hawaii .....	19.5	19.5	19.4	19.3	19.1	19.0	18.9	18.7	18.9	18.7	18.7	18.4	18.7
Idaho .....	65.8	66.1	65.5	65.4	66.5	67.0	68.2	67.9	68.0	68.1	68.2	67.9	68.7
Illinois .....	926.9	925.0	924.4	924.1	925.3	926.2	927.9	926.9	924.7	925.5	920.6	915.8	920.7
Indiana .....	625.5	625.9	625.9	626.0	628.9	631.1	638.3	636.3	633.4	631.5	629.8	630.4	628.6
Iowa .....	229.3	230.0	230.0	228.7	231.2	231.3	232.4	233.5	233.8	232.6	231.8	232.2	229.2
Kansas .....	182.1	181.3	181.2	181.1	181.0	180.7	179.8	179.2	179.1	179.1	179.0	180.1	180.2
Kentucky .....	288.0	287.7	288.4	288.5	288.7	288.7	294.2	292.0	291.4	291.7	291.9	290.3	291.5
Louisiana .....	185.8	185.5	185.4	185.4	185.1	185.1	186.7	186.0	185.6	183.0	182.5	182.3	183.2
Maine .....	92.9	91.8	91.9	91.6	92.0	91.2	92.9	92.6	91.8	92.3	92.0	91.3	91.1
Maryland .....	182.6	182.4	181.2	181.4	180.8	180.9	182.2	182.2	181.1	181.2	180.6	178.6	178.4
Massachusetts .....	460.6	456.9	457.5	456.8	454.9	452.5	454.4	452.0	449.2	449.1	446.5	444.5	441.3
Michigan .....	889.1	896.4	892.5	893.3	898.8	902.0	916.8	913.1	908.8	899.6	895.3	893.6	891.2
Minnesota .....	396.3	395.4	396.9	398.1	397.9	398.4	398.8	399.5	398.3	398.0	396.9	394.4	396.5
Mississippi .....	251.1	250.4	250.7	250.1	250.8	251.9	253.1	254.8	255.3	253.1	252.2	251.3	250.2
Missouri .....	411.0	406.9	407.2	406.5	409.8	405.8	412.1	410.1	410.6	408.4	406.8	405.4	402.1
Montana .....	22.6	22.5	22.6	22.8	22.8	22.9	23.1	23.5	23.3	23.1	22.7	22.7	22.9
Nebraska .....	100.2	100.3	100.6	101.0	100.9	101.1	101.7	101.5	102.2	101.7	101.9	101.9	101.5
Nevada .....	26.2	26.2	26.2	26.4	26.4	26.5	26.7	26.8	26.8	27.2	27.1	26.9	27.1
New Hampshire .....	97.7	97.6	97.4	97.2	96.9	96.6	98.2	98.1	97.2	97.6	97.2	96.6	96.5
New Jersey .....	526.4	522.2	519.6	521.1	520.5	519.2	518.9	514.1	510.5	510.6	508.9	506.3	507.4
New Mexico .....	40.1	40.2	40.1	40.4	40.4	40.4	40.2	40.3	40.6	40.2	40.2	40.5	40.5
New York .....	1,018.2	1,009.2	1,003.5	1,000.9	1,000.1	999.4	1,008.1	1,004.4	997.0	989.2	984.2	971.5	975.0
North Carolina .....	834.4	834.5	834.9	835.8	835.0	836.5	840.6	842.5	843.1	841.9	843.8	843.4	849.5
North Dakota .....	18.4	18.4	18.6	18.7	18.7	18.7	19.1	19.3	19.0	19.3	19.3	19.5	19.4
Ohio .....	1,049.5	1,043.3	1,045.6	1,044.0	1,046.8	1,049.2	1,062.5	1,058.5	1,050.2	1,044.9	1,043.4	1,038.0	1,038.1
Oklahoma .....	183.9	163.4	158.7	163.7	163.5	163.5	164.5	165.3	164.3	164.0	163.4	162.7	164.2
Oregon .....	209.1	205.5	204.7	205.5	205.1	206.2	207.0	208.6	209.5	208.4	206.7	205.9	205.4
Pennsylvania .....	951.2	946.9	943.0	940.5	938.2	935.8	939.9	940.2	937.3	937.4	932.1	926.2	927.6
Rhode Island .....	89.3	89.8	89.1	89.2	89.0	88.4	90.1	89.8	89.5	88.7	88.8	88.8	88.3
South Carolina .....	368.5	370.1	369.9	370.2	371.1	371.5	373.8	371.6	370.6	369.9	368.5	367.1	367.5
South Dakota .....	36.9	36.7	37.0	37.4	37.8	38.2	38.5	38.6	39.1	39.3	39.5	39.7	39.8
Tennessee .....	517.5	513.3	512.5	513.0	512.9	514.6	518.2	517.1	517.9	518.2	518.3	515.5	515.6
Texas .....	969.6	968.7	970.1	972.3	972.8	973.7	981.3	985.6	985.8	984.5	982.6	981.2	960.5
Utah .....	106.1	106.3	106.0	105.6	105.0	104.8	105.2	106.2	107.0	107.7	107.7	107.7	107.9
Vermont .....	43.4	43.5	43.3	43.1	43.2	43.0	43.3	43.2	43.5	43.7	43.4	43.5	42.9
Virginia .....	406.8	408.7	405.7	405.3	406.2	404.3	408.6	406.6	404.0	403.1	404.7	403.2	402.7
Washington .....	347.3	344.7	343.6	344.2	342.9	343.0	343.3	343.8	342.1	341.5	341.2	339.0	336.4
West Virginia .....	82.0	82.0	82.0	82.0	82.8	82.8	83.3	83.6	83.0	82.7	82.7	82.5	82.1
Wisconsin .....	546.9	545.1	546.4	546.5	545.2	546.1	551.3	553.1	553.5	551.9	550.7	546.6	550.1
Wyoming .....	9.2	9.2	9.3	9.2	9.1	9.2	9.2	9.2	9.3	9.2	9.1	9.2	9.3

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED

B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>
Transportation and public utilities													
Alabama .....	82.3	82.5	82.6	82.4	82.6	82.5	82.4	82.3	81.9	82.4	82.5	82.6	82.6
Alaska .....	22.4	22.5	22.6	22.3	22.7	22.8	23.0	22.9	22.7	22.9	23.2	22.3	22.9
Arizona .....	81.6	81.8	81.5	81.4	81.5	81.6	77.8	78.6	78.2	78.1	77.9	77.8	78.0
Arkansas .....	55.7	55.4	55.3	55.3	55.4	55.4	56.1	56.1	56.2	56.4	56.2	56.4	56.2
California .....	605.8	605.4	605.2	604.3	604.6	603.4	604.5	603.0	602.3	602.6	601.4	599.5	597.6
Colorado .....	99.8	99.8	99.9	100.3	100.3	100.3	100.5	100.5	100.6	101.0	101.8	101.4	102.3
Connecticut .....	68.1	67.7	67.2	67.0	66.9	66.4	67.2	67.7	66.6	65.1	65.2	64.8	66.4
Delaware .....	14.6	14.5	14.3	14.3	14.2	14.3	14.7	14.4	14.7	14.9	14.7	14.5	14.6
District of Columbia .....	23.2	23.1	23.1	23.4	23.0	23.0	23.0	23.0	23.4	23.2	23.0	23.1	22.6
Florida .....	273.1	272.8	271.7	272.9	273.8	277.1	273.6	276.3	278.0	278.4	279.2	279.1	278.6
Georgia .....	197.7	197.2	197.3	198.2	198.5	197.8	200.7	202.2	201.6	203.0	202.9	204.0	203.8
Hawaii .....	43.5	43.5	43.5	43.4	43.2	43.3	43.2	42.8	42.6	42.4	41.9	41.6	41.5
Idaho .....	20.3	20.2	20.5	20.5	20.5	20.4	20.9	21.0	20.8	20.6	20.6	20.4	20.2
Illinois .....	301.6	301.2	300.3	300.3	299.7	300.4	303.2	301.9	301.9	303.1	302.0	300.8	302.5
Indiana .....	130.3	129.4	129.7	130.1	129.7	129.5	130.0	129.6	129.8	128.7	128.7	129.0	128.5
Iowa .....	54.4	54.3	54.2	54.2	54.3	54.3	54.5	54.5	53.9	53.6	53.6	53.3	53.6
Kansas .....	65.9	64.5	63.9	64.3	64.2	63.8	65.5	65.6	65.6	66.0	65.8	65.3	65.6
Kentucky .....	81.6	81.6	82.1	82.2	82.7	82.6	83.3	83.3	83.1	83.0	82.4	82.5	82.5
Louisiana .....	104.9	104.3	104.3	104.7	104.7	104.6	105.5	105.6	105.0	105.8	104.8	104.2	104.4
Maine .....	21.5	21.5	21.6	21.4	21.3	21.2	21.7	21.3	21.6	21.4	20.9	20.8	20.5
Maryland .....	98.8	98.9	98.9	99.5	99.1	99.4	99.1	98.3	97.7	97.9	97.4	97.1	98.8
Massachusetts .....	120.3	120.0	119.7	119.9	120.8	119.9	121.1	119.1	117.7	118.4	117.8	118.0	118.6
Michigan .....	153.2	153.3	153.9	154.9	155.1	154.2	154.5	154.3	154.3	155.5	156.0	155.2	154.7
Minnesota .....	108.8	108.3	108.8	109.4	109.0	108.8	108.8	108.5	107.9	108.1	107.8	107.4	108.0
Mississippi .....	44.9	45.0	44.9	44.5	45.2	46.3	45.5	45.4	45.2	45.4	45.0	45.0	45.5
Missouri .....	151.3	150.7	150.3	150.4	150.0	149.4	151.2	152.1	152.1	152.6	152.4	152.8	154.0
Montana .....	20.1	20.1	20.1	20.0	20.0	20.0	20.2	20.2	20.1	20.1	20.1	20.0	20.1
Nebraska .....	47.0	46.9	47.0	47.1	47.1	47.2	47.2	47.3	47.4	47.6	47.2	47.0	47.0
Nevada .....	33.1	33.2	33.0	33.0	33.2	33.3	33.4	33.7	33.6	33.7	33.3	33.1	33.2
New Hampshire .....	17.1	16.9	16.9	17.1	16.9	17.0	17.6	17.8	17.7	17.4	17.1	17.0	16.8
New Jersey .....	228.8	228.2	228.7	227.5	227.9	227.1	230.6	232.1	229.9	229.8	230.0	230.1	228.6
New Mexico .....	28.6	28.7	28.6	28.7	28.6	28.5	28.7	28.7	28.7	28.6	28.3	28.3	28.4
New York .....	400.6	399.6	398.5	397.6	396.4	396.6	397.6	396.1	395.2	394.5	394.0	393.2	392.4
North Carolina .....	152.5	152.7	153.5	154.2	154.5	154.6	156.1	155.6	155.2	155.6	155.6	155.9	154.7
North Dakota .....	17.6	17.5	17.5	17.5	17.4	17.5	17.7	17.7	17.5	17.5	17.4	17.8	17.6
Ohio .....	211.8	211.6	211.8	210.8	210.7	210.4	211.1	211.5	210.8	210.0	209.8	209.4	209.0
Oklahoma .....	69.8	69.5	69.5	69.8	69.4	69.1	70.0	70.3	70.1	70.1	69.4	68.6	68.6
Oregon .....	65.0	64.8	65.1	65.4	65.4	65.4	66.0	65.7	65.8	65.7	65.1	65.1	64.8
Pennsylvania .....	281.5	261.8	263.2	263.5	264.4	264.0	266.9	266.9	266.9	266.2	266.1	266.9	263.9
Rhode Island .....	14.4	14.4	14.4	14.6	14.5	14.5	14.9	15.0	14.8	14.9	14.9	14.6	14.5
South Carolina .....	64.4	64.4	64.3	64.4	64.3	64.0	65.1	65.0	64.9	64.5	64.8	64.3	64.2
South Dakota .....	14.5	14.6	14.5	14.6	14.6	14.6	14.7	14.7	14.9	14.6	14.6	14.7	14.8
Tennessee .....	120.2	120.1	120.2	120.5	121.2	121.4	121.7	121.4	121.3	121.3	121.6	122.3	122.7
Texas .....	436.4	436.8	434.2	434.1	433.1	431.5	438.4	439.4	438.9	440.2	440.0	439.3	439.9
Utah .....	44.1	44.0	44.0	44.4	44.1	44.0	44.2	44.9	45.2	45.3	45.5	45.8	46.0
Vermont .....	11.0	11.0	11.0	11.0	11.0	11.0	11.1	11.0	11.1	10.9	11.0	10.9	10.5
Virginia .....	146.5	146.4	146.0	146.2	146.0	146.1	146.3	146.0	144.7	145.1	144.1	144.6	144.2
Washington .....	113.1	113.2	113.0	113.7	113.2	113.1	113.0	113.5	112.7	112.9	111.9	111.2	110.2
West Virginia .....	38.1	38.1	38.3	38.3	38.5	38.6	38.4	38.2	38.4	38.2	38.7	38.3	38.7
Wisconsin .....	109.4	109.8	109.8	109.2	109.5	109.3	111.0	111.9	111.7	111.2	111.2	111.5	110.4
Wyoming .....	14.1	14.1	14.1	14.1	14.0	14.1	14.2	14.1	14.1	14.3	14.3	14.4	14.4

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued**

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>
	Wholesale and retail trade												
Alabama .....	368.0	367.8	368.5	369.6	369.9	370.5	372.2	373.8	372.4	372.1	370.1	369.3	369.4
Alaska .....	48.1	47.9	47.9	47.9	48.1	48.1	48.3	48.3	48.2	48.7	48.8	48.9	48.9
Arizona .....	378.5	378.3	378.9	379.4	379.8	378.3	380.8	381.6	380.2	381.1	381.3	381.3	385.9
Arkansas .....	212.8	213.4	214.0	215.6	216.5	217.2	218.4	218.5	217.9	217.0	216.6	215.9	216.0
California .....	2,832.8	2,823.4	2,820.2	2,814.9	2,809.7	2,802.7	2,807.8	2,805.8	2,801.5	2,796.8	2,787.1	2,777.3	2,776.4
Colorado .....	386.1	385.7	387.7	390.2	389.5	389.5	392.1	394.3	394.2	396.2	395.7	394.4	396.1
Connecticut .....	332.8	331.2	330.7	329.6	328.3	328.0	329.7	329.3	327.1	327.1	324.6	323.1	322.2
Delaware .....	75.8	75.8	75.3	76.1	76.6	76.4	76.8	76.6	75.9	75.8	75.6	75.8	76.1
District of Columbia .....	55.2	54.4	54.0	53.7	53.4	53.2	53.9	53.9	53.2	54.2	53.2	52.8	53.2
Florida .....	1,415.8	1,415.8	1,410.0	1,417.5	1,417.8	1,418.7	1,426.1	1,427.3	1,432.1	1,434.1	1,435.2	1,434.1	1,440.7
Georgia .....	748.0	748.2	745.1	753.7	755.5	756.5	763.5	766.5	765.1	766.9	764.1	766.6	774.2
Hawaii .....	135.6	134.8	134.5	133.5	133.0	133.0	132.6	133.3	133.2	133.0	132.8	133.0	133.6
Idaho .....	106.5	106.3	106.5	107.1	107.3	107.7	107.6	108.0	107.9	108.6	108.4	108.1	108.7
Illinois .....	1,224.9	1,223.8	1,223.2	1,231.6	1,232.8	1,230.6	1,231.4	1,234.7	1,230.8	1,233.8	1,237.8	1,236.2	1,243.2
Indiana .....	598.7	597.9	597.6	598.2	597.2	597.0	602.2	601.2	599.0	597.6	598.5	598.7	601.3
Iowa .....	318.3	317.5	317.5	317.6	316.6	316.6	318.9	319.8	319.7	318.4	316.7	318.6	318.5
Kansas .....	271.4	270.9	270.7	272.3	274.5	274.2	278.8	280.4	279.7	278.8	277.7	276.5	277.9
Kentucky .....	357.0	355.5	355.2	358.3	358.1	357.1	361.3	362.8	360.5	359.5	359.4	360.0	363.0
Louisiana .....	378.4	378.2	378.2	379.5	379.9	378.2	384.0	384.8	382.7	379.4	377.0	377.4	378.3
Maine .....	128.4	128.7	129.1	131.4	132.0	131.2	130.6	131.6	129.8	129.4	128.6	125.8	126.2
Maryland .....	504.7	503.1	502.8	503.2	501.7	501.3	505.3	505.9	500.1	502.5	503.0	499.3	500.1
Massachusetts .....	639.8	637.4	638.4	641.8	640.1	637.5	651.8	650.6	646.3	645.6	643.2	639.5	639.0
Michigan .....	928.4	928.0	925.8	933.5	933.4	935.7	947.3	950.2	939.7	934.7	935.5	933.8	936.1
Minnesota .....	524.9	529.3	531.2	532.2	532.3	532.8	535.0	535.1	533.2	533.7	535.3	534.8	534.3
Mississippi .....	200.5	200.9	200.3	202.5	202.7	202.1	204.3	204.6	203.3	202.5	201.3	202.4	202.4
Missouri .....	554.2	554.2	553.5	553.5	553.4	552.5	557.9	560.0	557.6	557.8	556.0	555.3	553.1
Montana .....	85.3	85.4	85.6	86.3	86.8	86.8	87.9	88.1	88.0	87.8	87.5	86.7	87.3
Nebraska .....	186.0	187.4	187.7	190.0	189.0	189.0	189.9	190.3	189.1	188.1	188.6	186.9	184.6
Nevada .....	130.3	130.8	131.2	131.9	132.0	132.0	132.7	133.0	132.9	133.2	132.5	132.2	132.7
New Hampshire .....	124.0	124.2	123.8	123.6	123.6	123.3	127.0	127.7	125.7	125.6	125.1	123.9	123.8
New Jersey .....	806.6	803.4	802.3	803.7	802.9	799.9	804.1	804.3	796.4	796.9	797.3	798.8	796.3
New Mexico .....	142.0	142.0	142.3	142.5	142.3	142.8	143.2	143.9	143.6	144.5	144.8	145.1	145.6
New York .....	1,566.6	1,559.4	1,554.4	1,555.5	1,553.6	1,551.0	1,554.9	1,565.8	1,557.5	1,560.6	1,562.1	1,559.1	1,560.5
North Carolina .....	715.1	714.3	716.6	719.0	721.4	722.3	732.2	734.5	727.7	726.1	725.4	722.9	725.7
North Dakota .....	73.2	73.3	73.3	73.6	73.7	73.9	74.8	74.8	73.9	73.7	73.6	73.9	74.2
Ohio .....	1,159.1	1,158.7	1,158.9	1,161.6	1,164.0	1,165.7	1,167.2	1,167.7	1,166.6	1,165.5	1,163.1	1,162.6	1,161.6
Oklahoma .....	284.7	283.7	282.4	283.6	281.1	280.0	283.7	289.0	289.0	289.3	288.3	288.7	291.7
Oregon .....	320.1	321.6	321.9	321.8	321.9	323.0	325.2	326.6	325.2	323.8	323.0	323.7	325.1
Pennsylvania .....	1,155.3	1,154.1	1,152.6	1,154.4	1,155.6	1,155.2	1,171.0	1,172.5	1,164.0	1,168.0	1,169.1	1,167.5	1,165.1
Rhode Island .....	90.8	90.3	89.9	90.0	89.3	89.1	92.1	92.2	91.3	91.6	91.1	90.7	91.2
South Carolina .....	343.5	344.2	346.4	351.1	350.8	350.8	355.5	357.8	357.8	357.3	357.1	355.7	357.8
South Dakota .....	79.4	80.1	79.5	79.9	80.0	80.1	80.6	80.8	81.2	80.8	80.6	80.3	80.5
Tennessee .....	519.7	520.0	520.3	521.1	520.4	519.9	523.8	525.9	525.7	526.6	525.9	527.8	530.3
Texas .....	1,754.6	1,754.0	1,757.0	1,761.9	1,763.0	1,763.4	1,784.2	1,794.3	1,791.9	1,793.0	1,783.3	1,779.6	1,787.1
Utah .....	184.9	185.1	185.2	186.0	185.3	185.2	188.4	190.9	191.0	191.7	191.9	191.6	191.9
Vermont .....	58.0	58.1	58.0	58.0	58.5	57.8	58.5	59.0	58.5	58.5	58.9	57.9	58.2
Virginia .....	634.8	633.1	631.8	633.6	631.6	631.4	636.2	636.4	633.4	635.4	634.5	630.3	630.9
Washington .....	538.2	538.1	538.7	540.1	539.5	539.6	547.6	548.2	546.6	546.8	545.9	542.9	546.8
West Virginia .....	146.2	146.3	146.6	146.8	147.1	147.4	148.5	148.6	148.3	148.8	149.5	148.9	150.2
Wisconsin .....	546.6	545.7	546.9	547.0	545.7	546.1	550.7	551.8	551.0	551.0	551.0	550.6	549.9
Wyoming .....	46.6	46.6	47.0	46.7	46.5	46.5	46.8	47.1	47.3	47.3	47.5	47.6	47.5

See footnotes at end of table.

ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED

B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July*
Finance, insurance, and real estate													
Alabama .....	73.7	73.7	73.6	73.7	73.7	73.7	74.3	74.3	74.2	74.4	74.2	74.9	74.6
Alaska .....	10.7	10.8	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.7	10.7
Arizona .....	94.1	94.1	94.3	94.2	94.7	94.7	95.9	95.9	95.4	95.5	95.2	95.0	95.0
Arkansas .....	38.9	39.0	39.0	39.2	39.3	39.4	39.6	39.4	39.3	39.4	39.2	39.2	39.3
California .....	789.0	787.4	788.0	787.2	787.1	785.9	785.5	782.2	781.4	780.4	780.2	779.8	781.1
Colorado .....	99.8	100.0	100.4	100.7	100.7	100.9	102.0	101.9	101.8	102.0	102.3	102.7	103.5
Connecticut .....	142.6	142.2	141.8	141.5	141.5	140.5	138.7	139.3	138.7	139.7	139.7	138.8	138.7
Delaware .....	33.4	33.3	33.4	33.4	33.5	33.3	33.8	33.8	33.5	33.6	33.5	33.4	33.6
District of Columbia .....	33.6	33.4	33.5	33.8	33.9	33.7	33.8	32.7	32.7	32.7	32.7	32.2	31.9
Florida .....	352.9	351.5	350.9	352.1	351.8	351.6	353.4	354.0	353.3	354.4	353.5	353.3	354.1
Georgia .....	162.1	162.1	162.3	162.4	163.0	163.1	163.7	163.9	163.7	164.0	163.4	163.5	164.3
Hawaii .....	37.7	37.6	37.6	37.7	37.7	37.6	37.8	37.7	37.6	37.3	37.5	37.3	37.7
Idaho .....	21.6	21.6	21.7	21.9	21.9	22.0	22.3	22.3	22.3	22.3	22.3	22.3	22.4
Illinois .....	376.3	375.6	375.5	376.7	378.0	375.8	377.2	378.3	378.1	379.2	379.5	377.2	378.8
Indiana .....	127.7	127.8	127.6	127.6	127.9	127.9	129.9	130.0	130.1	130.3	130.5	130.8	131.0
Iowa .....	72.3	72.4	72.6	72.9	73.1	73.2	73.3	73.7	73.4	73.6	73.5	73.2	73.8
Kansas .....	57.6	57.6	57.8	58.0	58.1	58.2	58.4	58.3	58.3	57.9	57.8	57.7	57.8
Kentucky .....	62.4	62.4	62.9	63.1	63.1	63.3	63.8	64.1	63.9	63.7	63.3	63.0	62.9
Louisiana .....	77.2	77.3	77.1	77.5	77.3	77.1	77.7	77.9	77.7	77.3	77.1	76.2	78.3
Maine .....	24.4	24.4	24.8	24.1	23.9	23.9	24.0	24.0	23.9	23.9	24.3	24.3	24.2
Maryland .....	128.2	128.1	128.1	129.0	128.6	128.5	129.1	128.5	128.4	128.6	128.4	127.7	128.4
Massachusetts .....	195.3	195.1	194.7	195.8	195.3	194.0	195.8	194.7	193.8	193.6	192.5	191.7	191.4
Michigan .....	188.5	188.1	188.0	188.3	188.0	187.6	189.2	189.3	187.8	188.5	188.1	188.2	189.0
Minnesota .....	129.9	130.0	130.3	130.7	131.0	131.0	132.2	132.4	132.5	133.5	133.9	134.5	135.3
Mississippi .....	38.3	38.2	38.2	38.2	38.3	38.4	38.8	38.8	38.6	38.5	38.7	39.3	39.4
Missouri .....	136.2	136.1	135.9	136.5	136.7	136.6	138.7	138.6	138.3	138.5	137.7	137.8	137.7
Montana .....	14.4	14.3	14.4	14.5	14.6	14.6	14.8	14.7	14.6	14.6	14.6	14.5	14.5
Nebraska .....	49.0	49.1	48.9	49.2	49.0	48.8	49.2	48.8	48.6	48.9	48.7	48.8	49.0
Nevada .....	29.0	29.2	29.5	29.4	29.6	29.6	30.3	30.5	30.6	30.6	30.8	30.9	31.0
New Hampshire .....	29.3	29.3	29.4	29.4	29.4	29.5	29.3	29.4	29.3	29.1	29.2	29.0	29.3
New Jersey .....	225.6	225.7	225.7	226.0	226.3	226.5	226.2	225.6	225.7	225.4	225.7	226.5	227.2
New Mexico .....	26.7	26.6	26.6	26.6	26.6	28.5	26.6	26.8	26.7	26.6	26.8	27.0	27.0
New York .....	736.5	734.9	733.3	735.2	734.4	732.8	735.1	734.4	731.8	731.6	731.1	730.7	730.5
North Carolina .....	134.7	135.0	135.4	136.4	136.3	136.8	138.2	138.5	138.7	139.1	138.6	138.6	139.0
North Dakota .....	12.8	13.0	13.0	13.1	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.3	13.3
Ohio .....	256.8	257.0	256.6	256.7	256.8	257.1	257.9	257.9	258.1	258.2	257.7	257.5	257.8
Oklahoma .....	60.8	60.5	60.4	60.3	60.4	60.4	60.6	60.4	60.5	60.7	60.4	60.4	60.3
Oregon .....	86.0	86.2	86.7	87.2	87.3	87.2	87.7	88.3	87.9	87.9	87.9	88.3	88.9
Pennsylvania .....	300.6	299.4	298.7	299.6	299.5	298.5	301.9	301.4	300.8	300.9	301.3	301.4	301.0
Rhode Island .....	25.3	25.3	25.1	25.0	24.9	24.7	24.7	24.4	24.6	24.7	24.5	24.7	24.4
South Carolina .....	64.8	64.4	64.5	64.7	64.7	64.6	65.4	65.1	64.9	65.3	64.8	65.2	65.2
South Dakota .....	17.1	17.0	17.1	17.1	17.0	17.0	17.2	17.5	17.5	17.6	17.7	17.7	17.7
Tennessee .....	100.7	100.6	100.7	100.6	100.6	100.4	101.5	101.2	101.2	101.0	100.6	100.5	100.8
Texas .....	418.8	418.3	418.1	418.6	418.7	418.5	425.8	425.0	424.5	424.3	425.7	427.7	430.1
Utah .....	37.2	37.3	37.4	37.6	37.7	37.6	37.8	37.8	37.9	38.4	39.0	39.6	39.8
Vermont .....	11.9	11.9	11.8	11.9	11.7	11.7	11.6	11.7	11.8	11.7	11.6	11.6	11.6
Virginia .....	148.5	148.3	148.0	148.2	147.8	148.2	149.8	150.1	149.6	150.4	149.9	149.4	150.1
Washington .....	119.0	118.7	118.0	118.0	117.9	117.9	117.7	117.7	117.2	117.3	116.8	117.0	117.3
West Virginia .....	24.6	24.7	24.7	24.7	24.8	24.7	24.8	24.9	24.8	25.0	25.1	24.9	25.1
Wisconsin .....	126.8	127.1	127.7	127.8	127.8	128.1	128.3	128.5	128.6	129.4	129.3	129.5	130.0
Wyoming .....	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.4	7.5

See footnotes at end of table.

**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued**

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July*
	Services												
Alabama .....	345.5	347.1	347.9	349.8	352.1	352.8	355.0	356.0	355.7	354.8	354.8	353.3	353.6
Alaska .....	54.1	54.0	54.3	54.3	54.4	54.4	54.9	54.8	54.9	55.3	55.1	55.1	55.4
Arizona .....	427.4	428.0	429.4	430.7	430.2	431.7	433.1	432.1	433.2	433.6	434.6	436.6	439.9
Arkansas .....	211.1	211.4	211.7	212.8	213.4	214.0	214.9	213.4	212.9	213.7	214.2	215.1	215.4
California .....	3,425.3	3,421.4	3,419.7	3,425.4	3,427.9	3,431.1	3,441.2	3,445.1	3,446.3	3,447.7	3,448.2	3,444.4	3,446.8
Colorado .....	443.2	443.9	445.7	450.5	449.9	451.1	450.3	451.0	451.8	455.4	455.6	456.0	458.3
Connecticut .....	419.4	418.2	417.9	419.6	420.6	420.5	421.6	422.4	419.3	423.2	421.4	419.6	420.7
Delaware .....	86.0	86.0	87.2	87.9	87.9	87.7	89.0	88.1	87.2	87.8	86.9	87.2	87.3
District of Columbia .....	256.5	256.2	255.9	257.2	258.1	256.2	255.0	257.0	258.1	257.0	255.2	254.0	255.4
Florida .....	1,690.1	1,692.1	1,698.5	1,703.6	1,707.6	1,709.0	1,710.8	1,719.6	1,722.8	1,733.9	1,737.6	1,740.6	1,746.3
Georgia .....	674.2	676.6	677.7	687.5	688.8	685.2	695.6	694.6	691.2	697.7	702.4	705.0	709.8
Hawaii .....	164.7	162.3	181.9	160.9	160.8	160.7	159.5	159.3	159.4	160.4	161.0	159.8	160.8
Idaho .....	90.5	90.7	91.1	92.1	92.6	93.0	92.6	89.5	92.7	93.1	92.8	92.5	92.9
Illinois .....	1,384.4	1,380.5	1,387.5	1,393.1	1,395.8	1,397.4	1,405.6	1,408.3	1,404.6	1,409.3	1,409.4	1,409.1	1,414.7
Indiana .....	552.9	553.5	553.2	559.9	564.3	565.8	565.0	567.2	565.4	565.2	563.7	565.2	568.2
Iowa .....	306.7	306.0	306.5	306.8	306.9	306.9	308.6	308.1	306.8	306.0	305.6	305.0	304.1
Kansas .....	259.9	260.0	259.4	261.5	262.2	263.1	263.8	265.4	264.3	264.6	264.3	265.0	265.3
Kentucky .....	351.8	351.2	350.7	353.4	354.3	354.7	359.2	359.8	359.3	357.1	356.6	356.1	357.4
Louisiana .....	395.5	394.9	396.3	398.4	399.8	400.4	400.2	401.3	399.8	397.6	395.5	397.3	399.2
Maine .....	131.4	131.8	130.9	130.1	130.3	130.0	131.4	131.2	130.9	130.1	129.9	129.7	130.3
Maryland .....	639.0	631.7	631.0	632.8	632.6	631.7	636.9	635.8	632.6	635.8	637.8	634.4	638.7
Massachusetts .....	910.7	909.5	907.3	910.6	910.3	907.5	922.8	916.3	916.5	914.8	914.8	914.6	917.7
Michigan .....	972.1	973.1	974.8	975.1	983.7	986.6	999.3	999.4	998.5	995.1	998.7	998.0	1,003.8
Minnesota .....	594.3	597.1	599.9	602.9	604.7	607.9	610.7	613.6	614.1	617.2	618.6	621.3	624.6
Mississippi .....	175.6	178.6	180.6	185.8	186.2	187.1	187.2	186.5	185.4	186.0	184.4	182.9	185.3
Missouri .....	601.7	601.5	602.8	606.7	603.8	603.8	608.6	612.2	612.2	614.6	613.1	610.9	610.6
Montana .....	81.9	82.1	82.2	82.8	83.2	84.1	85.1	85.4	85.0	84.5	84.2	83.9	84.9
Nebraska .....	184.7	185.2	186.9	187.9	187.2	186.2	185.5	184.5	185.2	185.7	186.5	185.0	184.7
Nevada .....	283.5	283.9	284.6	286.5	287.7	287.8	290.4	288.6	288.5	288.1	287.1	287.0	287.7
New Hampshire .....	129.0	128.9	129.5	131.1	130.8	131.2	133.3	132.9	132.6	132.5	132.3	131.0	131.9
New Jersey .....	972.0	972.3	972.7	976.0	976.4	976.6	980.2	977.7	977.8	978.7	976.3	974.1	982.3
New Mexico .....	160.0	159.5	160.0	159.9	160.6	160.8	160.4	181.8	181.7	162.0	163.2	163.9	165.6
New York .....	2,341.9	2,338.8	2,339.6	2,347.4	2,351.0	2,351.5	2,365.2	2,369.0	2,366.1	2,372.5	2,372.3	2,371.7	2,370.5
North Carolina .....	642.9	640.5	644.2	652.2	656.5	660.8	662.7	666.4	666.2	669.9	673.9	679.0	680.4
North Dakota .....	73.8	74.1	74.0	74.3	74.6	74.3	75.1	75.2	75.0	74.7	75.0	75.6	75.8
Ohio .....	1,234.5	1,236.4	1,238.3	1,242.3	1,246.9	1,249.5	1,255.3	1,256.6	1,258.4	1,259.8	1,259.8	1,263.3	1,263.3
Oklahoma .....	288.3	284.7	284.3	287.5	287.3	288.2	289.2	292.0	294.3	293.4	293.5	293.9	297.1
Oregon .....	310.5	309.6	312.2	313.6	314.1	313.7	316.6	319.7	319.9	320.8	320.7	322.2	323.0
Pennsylvania .....	1,485.1	1,484.0	1,490.9	1,503.6	1,505.6	1,507.2	1,508.6	1,515.1	1,509.6	1,514.5	1,517.8	1,511.3	1,512.5
Rhode Island .....	127.9	128.0	127.5	127.7	127.8	128.0	129.2	129.0	127.4	127.0	126.9	127.9	127.5
South Carolina .....	309.7	311.3	311.0	314.3	315.7	316.6	317.9	319.7	320.5	321.9	321.7	321.9	323.3
South Dakota .....	78.9	78.5	78.3	78.6	79.0	79.2	79.8	79.6	79.8	79.9	79.0	79.9	79.9
Tennessee .....	534.8	535.0	538.6	540.7	543.4	544.4	548.5	547.5	547.9	550.2	548.9	549.2	550.4
Texas .....	1,844.7	1,846.1	1,857.4	1,870.6	1,878.9	1,888.3	1,922.5	1,907.2	1,907.1	1,900.5	1,894.9	1,887.9	1,894.6
Utah .....	197.5	198.5	199.3	201.5	201.8	203.2	203.5	204.8	206.0	207.5	209.6	210.7	212.8
Vermont .....	69.1	68.9	69.7	70.2	70.8	70.0	69.3	71.9	71.6	71.8	71.1	70.8	70.8
Virginia .....	757.8	752.8	758.1	762.5	767.0	765.4	770.1	767.8	773.1	773.1	772.2	770.6	776.6
Washington .....	553.9	553.3	557.4	561.5	564.4	565.4	567.0	568.6	567.4	568.4	569.7	569.1	569.0
West Virginia .....	158.0	158.0	158.8	160.3	160.8	161.0	161.6	162.6	161.7	163.7	164.3	164.1	163.8
Wisconsin .....	571.7	571.6	572.2	576.7	578.6	579.8	580.6	582.6	582.5	582.6	584.7	583.0	586.6
Wyoming .....	41.7	41.7	41.8	42.1	41.9	42.1	42.1	42.0	41.9	41.6	42.7	42.0	42.1

See footnotes at end of table.



**ESTABLISHMENT DATA  
STATE EMPLOYMENT  
SEASONALLY ADJUSTED**

**B-8. Employees on nonfarm payrolls by State and major industry, seasonally adjusted—Continued**

(In thousands)

State	1992						1993						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>1</sup>
<b>Government</b>													
Alabama .....	339.1	342.4	336.9	339.6	340.4	341.2	341.2	342.7	342.8	341.2	341.9	342.6	340.2
Alaska .....	72.9	73.0	73.1	73.5	73.9	73.4	74.9	73.8	73.7	73.8	74.4	74.0	73.0
Arizona .....	277.6	280.0	290.9	280.1	281.2	279.4	283.7	287.1	287.2	284.5	281.1	292.3	291.3
Arkansas .....	167.3	167.2	168.9	168.9	168.8	169.3	170.2	169.5	169.4	169.4	168.7	168.6	167.3
California .....	2,098.0	2,094.2	2,090.4	2,083.9	2,080.8	2,078.3	2,071.7	2,073.4	2,068.3	2,067.9	2,068.5	2,071.3	2,078.9
Colorado .....	292.1	295.8	292.5	294.0	294.1	294.3	294.2	295.3	295.4	295.7	295.4	293.4	294.3
Connecticut .....	207.9	206.4	204.0	205.3	205.8	204.8	204.3	204.7	207.7	205.8	208.2	207.1	213.1
Delaware .....	48.6	48.9	48.7	49.1	49.1	49.1	48.5	49.5	49.4	49.4	49.5	50.1	49.9
District of Columbia .....	287.3	287.3	287.2	288.2	289.1	289.3	289.2	290.3	289.9	290.8	290.9	289.1	296.8
Florida .....	869.6	872.0	873.2	873.4	870.4	872.3	870.3	875.4	873.7	884.9	878.2	884.7	894.0
Georgia .....	532.4	533.8	536.4	538.4	540.0	540.2	540.6	541.2	540.3	541.0	539.9	538.8	532.8
Hawaii .....	110.6	110.8	111.2	111.5	111.5	112.1	111.4	112.2	112.5	112.6	113.3	112.2	111.0
Idaho .....	88.6	88.3	87.8	87.5	87.8	87.3	87.0	88.4	87.8	87.7	88.6	87.5	87.7
Illinois .....	753.9	752.3	766.6	773.0	771.0	770.5	770.9	773.5	769.7	767.6	771.6	765.8	758.6
Indiana .....	386.7	386.9	387.6	388.5	388.9	388.5	386.2	388.6	388.7	388.9	388.9	391.6	390.8
Iowa .....	220.8	221.2	222.0	222.4	224.8	222.0	222.4	220.9	223.5	222.6	222.8	221.8	223.5
Kansas .....	228.5	232.9	227.1	227.6	228.6	228.6	228.6	230.2	231.1	232.6	231.0	233.7	233.5
Kentucky .....	273.8	273.5	276.2	276.0	275.9	276.4	273.2	277.3	277.6	276.7	273.8	280.0	278.3
Louisiana .....	343.1	343.3	343.7	328.8	329.5	330.8	334.9	335.7	336.4	331.4	329.6	336.7	343.9
Maine .....	96.3	96.1	95.6	94.9	94.6	94.4	94.9	95.4	95.8	94.6	94.4	94.0	95.5
Maryland .....	414.2	413.9	412.6	413.8	413.6	413.5	416.8	416.6	416.5	417.2	418.3	415.6	408.4
Massachusetts .....	377.2	376.2	373.4	374.7	375.1	373.4	371.9	373.3	374.6	375.7	374.7	372.8	373.5
Michigan .....	637.0	644.5	636.2	643.2	644.9	642.7	641.6	639.6	638.8	640.2	643.4	640.5	639.8
Minnesota .....	347.2	347.6	346.1	349.2	349.9	348.9	349.4	349.2	351.0	349.7	350.5	351.0	350.8
Mississippi .....	208.4	213.8	210.5	211.0	211.3	212.0	211.9	214.0	212.6	213.7	214.4	214.7	214.2
Missouri .....	374.0	372.4	371.8	373.3	374.0	374.3	372.5	374.8	375.1	377.0	377.2	378.2	377.0
Montana .....	74.1	74.6	74.1	73.7	73.8	74.0	73.9	74.2	74.2	74.0	73.5	74.2	73.2
Nebraska .....	148.3	147.9	147.0	146.8	151.1	145.8	147.1	147.0	146.9	146.7	146.1	144.4	147.8
Nevada .....	86.2	87.3	90.5	86.5	90.6	87.1	87.4	87.0	88.6	88.7	89.0	92.4	88.9
New Hampshire .....	71.8	71.0	71.9	71.9	72.1	72.2	71.2	72.7	72.4	72.6	71.8	72.5	71.3
New Jersey .....	573.8	575.5	567.9	568.9	569.3	568.9	569.1	568.7	568.6	566.9	569.0	570.1	561.5
New Mexico .....	154.8	155.2	155.7	155.8	160.6	156.5	157.0	157.2	157.9	157.6	159.7	158.4	158.8
New York .....	1,445.6	1,445.1	1,428.5	1,424.0	1,426.5	1,424.1	1,424.4	1,420.2	1,421.5	1,419.6	1,421.0	1,418.0	1,429.7
North Carolina .....	511.6	510.6	510.7	508.7	508.2	510.5	513.8	514.0	513.0	513.4	514.7	513.6	515.6
North Dakota .....	66.6	67.6	67.3	67.5	67.5	67.5	67.9	67.9	67.6	67.5	67.4	66.2	67.3
Ohio .....	731.0	734.7	734.0	735.0	733.4	733.5	734.8	734.3	733.3	733.4	733.9	734.7	730.6
Oklahoma .....	283.8	275.7	269.1	269.0	268.3	268.5	269.6	267.9	266.1	267.1	267.7	270.6	283.7
Oregon .....	230.7	231.0	231.4	230.6	237.5	231.8	232.1	232.6	232.8	232.5	232.0	233.0	232.0
Pennsylvania .....	698.8	696.5	696.3	696.5	696.9	695.6	696.1	697.8	697.2	696.1	700.2	700.5	694.9
Rhode Island .....	61.4	61.6	61.7	61.8	62.4	61.8	61.3	61.0	61.5	60.7	62.0	62.0	62.3
South Carolina .....	293.1	292.7	292.4	292.7	301.0	292.8	296.9	294.8	295.7	296.6	295.0	295.8	297.2
South Dakota .....	64.3	65.5	65.8	65.7	66.5	65.7	65.6	65.2	64.8	64.8	65.6	65.4	65.4
Tennessee .....	353.7	353.6	353.9	354.5	355.3	355.1	355.0	355.1	355.7	355.4	355.7	354.8	354.8
Texas .....	1,353.0	1,361.4	1,340.5	1,344.3	1,343.8	1,346.4	1,358.0	1,361.6	1,367.5	1,387.9	1,367.9	1,369.6	1,365.0
Utah .....	156.4	156.9	157.8	158.3	158.3	158.6	157.6	158.0	158.6	156.9	157.6	159.1	159.4
Vermont .....	43.3	43.2	43.0	43.3	43.5	43.1	43.9	43.4	42.9	43.4	43.5	43.2	43.1
Virginia .....	588.7	588.8	591.0	593.3	593.8	593.9	594.4	594.6	594.4	593.8	591.2	591.4	595.9
Washington .....	421.7	422.2	425.0	426.4	427.2	427.9	428.1	425.7	428.4	429.7	426.9	425.5	427.1
West Virginia .....	132.7	132.5	131.0	131.2	131.3	131.8	131.5	131.4	132.1	132.6	132.4	133.3	131.9
Wisconsin .....	357.6	359.1	359.7	358.4	360.3	358.7	359.9	361.7	360.7	358.9	363.5	362.2	359.9
Wyoming .....	57.1	56.9	56.7	56.8	57.4	57.1	57.2	57.2	57.2	56.7	56.6	57.4	57.3

<sup>1</sup> Includes mining, not shown separately.  
<sup>2</sup> Mining is combined with construction.

P = preliminary.  
NOTE: All State data have been adjusted to March 1992 benchmarks.

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

**B-9. Employees on nonfarm payrolls in States and selected areas by major industry**

(In thousands)

State and area	Total			Mining			Construction		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Alabama</b> .....	1,675.3	1,692.6	1,686.8	10.7	10.7	10.7	76.8	77.5	78.5
Birmingham .....	429.2	433.5	434.9	4.9	5.0	5.0	22.5	22.9	23.5
Huntsville .....	138.4	139.4	140.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.6	4.8
Mobile .....	191.2	193.3	192.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.1	13.9	13.8
Montgomery .....	139.2	140.9	141.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.7	6.5	6.7
Tuscaloosa .....	64.5	66.8	67.1	2.5	2.5	2.5	3.2	3.4	3.4
<b>Alaska</b> .....	265.6	262.0	268.3	11.1	10.4	10.6	12.9	12.9	14.0
Anchorage .....	118.2	119.4	120.7	3.6	3.3	3.3	6.7	7.1	7.7
<b>Arizona</b> .....	1,484.0	1,533.1	1,515.2	12.9	12.5	12.3	84.7	86.7	88.8
Phoenix .....	968.1	997.9	988.1	.8	.8	.8	54.9	57.1	58.9
Tucson .....	256.6	266.5	261.6	2.3	2.1	1.9	15.4	16.1	16.5
<b>Arkansas</b> .....	957.3	986.9	972.1	3.6	3.7	3.7	39.8	40.5	41.1
Fayetteville-Springdale .....	58.0	61.5	60.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.5	2.5
Fort Smith .....	83.0	84.5	83.4	.7	.8	.8	2.8	2.8	2.9
Little Rock-North Little Rock .....	263.2	269.8	265.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.0	11.8	12.3
Pine Bluff .....	33.4	34.0	33.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	.9	.9
<b>California</b> .....	12,118.5	12,015.6	11,930.2	35.5	33.1	33.1	488.3	464.0	470.4
Anaheim-Santa Ana .....	1,117.2	1,115.2	1,105.0	1.2	1.0	1.0	49.1	44.8	44.3
Bakersfield .....	172.5	175.8	172.5	12.3	11.1	11.1	9.4	9.4	9.7
Fresno .....	228.9	226.1	226.9	.7	.5	.5	11.6	11.0	11.2
Los Angeles-Long Beach .....	3,796.2	3,749.5	3,719.8	8.0	7.9	8.0	107.1	101.1	101.4
Modesto .....	124.9	120.1	123.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.6	6.4	6.4
Oakland .....	860.4	861.2	851.3	3.3	3.0	3.1	41.5	41.1	42.0
Oxnard-Ventura .....	225.6	223.5	222.8	2.0	1.8	1.8	10.2	10.3	10.6
Riverside-San Bernardino .....	713.4	711.6	702.8	1.3	1.3	1.3	40.5	38.7	39.4
Sacramento .....	623.3	624.0	621.7	.8	.7	.7	31.7	28.4	29.8
Salinas-Seaside-Monterey .....	111.0	108.7	110.8	.3	.3	.3	3.9	3.7	3.8
San Diego .....	942.0	939.8	929.7	.5	.5	.5	44.2	41.0	41.3
San Francisco .....	916.2	913.6	911.1	.6	.6	.6	28.3	28.7	29.0
San Jose .....	788.8	774.9	773.4	.2	.2	.2	28.0	27.3	27.7
Santa Barbara-Santa Maria-Lompoc .....	143.2	141.9	138.8	1.1	1.0	1.0	6.2	4.9	5.0
Santa Rosa-Petaluma .....	139.8	142.8	139.1	.6	.6	.6	8.5	8.2	8.5
Stockton .....	159.3	154.1	158.0	.1	.1	.1	6.6	6.4	6.7
Vallejo-Fairfield-Napa .....	142.7	140.5	139.6	.5	.4	.4	10.3	9.8	9.9
<b>Colorado</b> .....	1,597.4	1,645.7	1,637.6	16.8	15.8	15.9	80.1	87.9	89.6
Boulder-Longmont .....	126.7	131.7	130.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.7	5.0
Denver .....	873.8	904.1	900.0	9.2	8.2	8.2	43.5	52.1	53.1
<b>Connecticut</b> .....	1,515.1	1,508.2	1,485.8	.9	1.0	.9	51.5	47.0	48.4
Bridgeport-Milford .....	175.5	176.5	174.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.2	5.0	5.1
Hartford .....	429.7	426.5	415.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.1	12.2	12.5
New Britain .....	59.6	60.4	58.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.9	3.8	3.7
New Haven-Meriden .....	234.8	232.1	231.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.9	7.9	8.5
Stamford .....	115.0	113.9	113.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	2.8	2.8
Waterbury .....	79.5	81.6	80.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.6	2.4	2.4
<b>Delaware</b> .....	348.7	353.2	350.6	.1	.1	.1	19.6	20.5	20.5
Wilmington .....	287.7	289.5	286.6	.2	.2	.2	16.3	14.9	15.0
<b>District of Columbia</b> .....	691.7	680.1	695.7	.1	.1	.1	9.0	9.4	9.2
Washington MSA .....	2,205.8	2,220.9	2,219.0	.6	.6	.6	99.7	97.2	97.6
<b>Florida</b> .....	5,280.2	5,458.8	5,380.8	7.1	5.9	5.8	262.1	277.3	276.9
Daytona Beach .....	121.6	127.9	126.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.2	6.4	6.4
Fort Lauderdale-Hollywood-Pompano Beach .....	500.0	530.4	521.5	.2	.2	.2	25.9	29.6	30.3
Fort Myers-Cape Coral .....	121.1	130.1	126.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.7	11.8	11.7
Gainesville .....	97.9	102.5	103.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.8	3.9	3.9
Jacksonville .....	416.9	423.5	420.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	22.9	23.0	23.1
Lakeland-Winter Haven .....	146.0	150.9	147.6	3.2	2.3	2.3	7.4	6.7	6.6
Melbourne-Titusville-Palm Bay .....	162.2	161.8	160.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.2	7.4	7.4
Miami-Hialeah .....	846.2	878.8	870.3	.6	.6	.5	29.4	40.2	40.8
Orlando .....	570.9	593.2	585.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	29.3	29.1	29.1
Pensacola .....	131.5	134.6	133.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.2	7.5	7.3
Sarasota .....	111.6	115.5	113.9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.9	7.2	7.1
Tallahassee .....	124.2	128.0	126.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.2	4.9	5.0
Tampa-St. Petersburg-Clearwater .....	852.2	877.0	862.9	.5	.4	.5	41.0	40.0	39.4
West Palm Beach-Boca Raton-Delray Beach .....	341.6	355.8	346.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	18.3	19.7	19.7

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Alabama</b> .....	379.0	381.9	376.5	83.0	83.3	83.3	369.3	371.1	370.8
Birmingham .....	53.9	53.3	53.2	31.1	30.6	30.7	103.8	104.5	104.8
Huntsville .....	30.6	31.7	31.3	3.1	3.3	3.3	26.4	26.6	26.9
Mobile .....	27.8	27.6	27.9	11.0	11.0	11.0	49.5	50.0	49.7
Montgomery .....	16.5	17.1	17.3	5.9	5.8	5.8	31.8	32.3	32.3
Tuscaloosa .....	10.0	10.4	10.5	2.2	2.2	2.2	14.1	14.3	14.4
<b>Alaska</b> .....	27.5	20.7	26.8	24.3	24.1	24.8	51.4	51.7	52.3
Anchorage .....	2.5	2.0	2.5	12.8	12.3	12.8	27.2	27.3	27.6
<b>Arizona</b> .....	172.4	171.3	170.7	81.7	78.2	78.1	370.7	380.2	378.1
Phoenix .....	128.2	126.9	127.3	57.0	53.8	53.7	241.7	248.4	246.5
Tucson .....	24.2	24.1	23.8	10.7	11.1	11.2	62.8	63.9	63.7
<b>Arkansas</b> .....	237.9	243.3	242.8	55.9	56.5	56.4	214.9	219.0	218.1
Fayetteville-Springdale .....	14.4	15.4	15.4	4.5	4.7	4.7	13.6	13.8	13.7
Fort Smith .....	25.3	26.1	26.0	5.1	5.4	5.5	17.0	16.8	16.8
Little Rock-North Little Rock .....	33.4	33.8	33.7	17.3	17.3	17.2	62.3	62.9	62.7
Pine Bluff .....	7.2	7.1	7.0	2.3	2.2	2.2	7.0	7.0	7.0
<b>California</b> .....	1,907.0	1,798.4	1,808.2	610.0	600.2	601.8	2,829.8	2,776.7	2,773.0
Anaheim-Santa Ana .....	218.3	211.7	209.7	35.2	36.2	36.5	279.1	274.8	274.1
Bakersfield .....	10.9	10.5	10.5	8.6	9.0	8.5	41.5	41.0	41.1
Fresno .....	27.3	25.2	27.8	12.4	12.1	12.2	57.0	56.4	56.3
Los Angeles-Long Beach .....	714.5	666.6	657.4	203.5	198.4	198.7	852.8	840.7	839.3
Modesto .....	30.4	23.1	28.9	5.4	5.6	5.7	30.3	30.3	30.4
Oakland .....	110.3	105.2	104.7	54.3	53.6	53.7	202.4	199.7	199.6
Oxnard-Ventura .....	31.2	31.1	30.7	10.5	10.2	10.2	54.0	53.0	52.8
Riverside-San Bernardino .....	86.5	83.8	83.3	36.1	36.4	36.2	184.6	182.8	182.1
Sacramento .....	43.7	41.5	44.2	29.3	29.0	28.8	142.9	142.0	142.2
Salinas-Seaside-Monterey .....	9.5	9.4	10.0	5.1	5.1	5.1	29.1	28.3	28.6
San Diego .....	123.0	116.4	115.7	35.0	34.8	34.7	220.6	214.9	213.5
San Francisco .....	75.8	76.2	75.5	78.7	76.0	76.5	195.7	191.8	192.1
San Jose .....	236.8	224.8	226.9	22.4	22.9	22.9	157.6	153.5	153.7
Santa Barbara-Santa Maria-Lompoc .....	18.9	18.4	18.2	5.3	4.8	4.9	33.5	32.7	32.9
Santa Rosa-Petaluma .....	20.4	19.9	20.0	5.8	5.9	5.9	36.0	34.9	35.3
Stockton .....	26.3	21.5	27.0	10.6	10.0	10.6	37.6	37.7	37.7
Vallejo-Fairfield-Napa .....	13.6	12.8	13.1	5.7	5.9	6.0	35.1	34.9	34.9
<b>Colorado</b> .....	185.9	183.1	183.5	99.8	101.6	102.3	389.3	396.6	399.5
Boulder-Longmont .....	28.3	28.4	28.4	3.0	3.2	3.2	27.0	28.1	28.2
Denver .....	91.5	89.4	89.0	71.6	72.8	73.3	211.7	217.7	218.0
<b>Connecticut</b> .....	301.9	291.7	285.5	66.3	66.2	64.7	332.6	326.6	322.2
Bridgeport-Milford .....	44.9	45.5	44.7	7.0	6.9	6.7	39.4	38.6	38.0
Hartford .....	71.2	63.3	61.8	17.0	17.4	15.9	91.3	91.1	89.1
New Britain .....	15.8	15.7	15.0	2.5	2.5	2.2	12.5	13.3	12.9
New Haven-Meriden .....	42.4	41.3	40.7	16.1	15.8	15.8	49.6	47.7	47.8
Stamford .....	17.2	16.9	16.7	5.2	4.9	4.9	26.4	26.4	26.2
Waterbury .....	16.3	17.4	16.5	3.2	3.2	3.2	16.3	16.4	16.1
<b>Delaware</b> .....	68.1	66.0	66.1	14.3	14.8	14.3	78.4	78.3	78.7
Wilmington .....	57.3	55.0	55.1	16.2	16.6	16.0	58.1	58.2	58.0
<b>District of Columbia</b> .....	14.0	14.0	13.9	23.5	23.3	22.9	55.3	53.7	53.2
Washington MSA .....	79.4	79.3	78.9	104.5	102.7	102.0	411.5	409.2	407.9
<b>Florida</b> .....	477.7	479.5	476.5	273.1	279.1	278.6	1,391.3	1,430.4	1,416.3
Daytona Beach .....	11.3	11.3	11.1	3.8	3.8	3.8	35.7	36.3	36.7
Fort Lauderdale-Hollywood-Pompano Beach .....	39.0	40.4	40.4	24.4	26.0	26.0	144.6	151.1	149.0
Fort Myers-Cape Coral .....	5.3	5.4	5.3	5.7	5.9	5.9	33.8	35.6	35.3
Gainesville .....	5.4	5.9	6.0	2.1	2.0	2.1	20.7	21.6	21.3
Jacksonville .....	33.4	33.9	33.9	30.8	30.7	30.3	108.9	109.9	109.8
Lakeland-Winter Haven .....	19.5	20.9	20.6	7.4	7.5	7.4	40.7	42.4	41.7
Melbourne-Titusville-Palm Bay .....	29.0	28.3	28.2	4.6	4.7	4.7	36.4	36.1	35.8
Miami-Hialeah .....	83.0	84.7	84.2	67.0	70.3	70.9	225.3	231.1	229.2
Orlando .....	46.8	46.0	45.6	32.7	34.7	34.4	144.2	147.2	147.5
Pensacola .....	11.2	11.1	11.1	6.2	6.1	6.1	32.3	32.4	32.4
Sarasota .....	7.4	7.2	7.3	3.7	3.7	3.7	30.9	32.2	31.7
Tallahassee .....	4.3	4.2	4.2	3.3	3.1	3.1	26.2	27.4	27.4
Tampa-St. Petersburg-Clearwater .....	84.4	83.7	83.0	39.6	39.6	39.0	225.7	230.4	226.9
West Palm Beach-Boca Raton-Delray Beach .....	31.0	30.3	29.2	14.0	14.7	14.9	91.3	95.9	92.9

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P
<b>Alabama</b> .....	74.8	75.3	75.5	346.7	354.0	355.0	335.2	338.8	336.5
Birmingham .....	30.6	31.0	31.4	113.8	117.0	117.6	68.6	69.2	68.7
Huntsville .....	4.1	4.2	4.2	36.6	36.5	36.5	32.9	32.5	33.2
Mobile .....	8.1	7.9	6.0	48.7	49.8	50.2	33.0	33.1	31.9
Montgomery .....	8.3	8.1	8.0	33.4	34.4	34.7	36.6	36.7	36.5
Tuscaloosa .....	2.2	2.3	2.3	10.0	10.7	10.7	20.3	21.0	21.1
<b>Alaska</b> .....	11.0	10.9	11.0	57.4	58.1	58.7	70.0	73.2	70.1
Anchorage .....	8.7	6.7	6.8	31.0	31.9	32.0	27.7	28.8	26.0
<b>Arizona</b> .....	94.5	95.4	95.5	422.9	437.5	435.4	244.2	271.3	256.3
Phoenix .....	75.0	75.4	75.6	284.1	295.0	292.5	126.4	140.5	132.8
Tucson .....	11.6	11.7	11.7	77.7	79.5	79.5	51.9	58.0	53.3
<b>Arkansas</b> .....	39.4	39.7	39.8	213.4	218.3	217.8	152.4	165.9	152.4
Fayetteville-Springdale .....	1.7	1.8	1.8	12.0	12.3	12.3	9.4	11.0	10.1
Fort Smith .....	2.6	2.8	2.6	21.6	21.2	21.1	7.9	8.8	7.7
Little Rock-North Little Rock .....	16.0	16.2	16.3	73.4	74.8	74.2	48.8	53.0	49.5
Pine Bluff .....	1.2	1.2	1.2	7.4	7.7	7.7	7.3	7.9	7.3
<b>California</b> .....	790.7	783.0	782.7	3,431.4	3,451.3	3,453.7	2,025.8	2,108.9	2,007.3
Anaheim-Santa Ana .....	94.2	93.4	92.8	321.7	323.7	326.4	116.4	129.6	120.2
Bakersfield .....	5.9	5.7	5.7	40.7	40.7	41.2	43.2	48.4	44.7
Fresno .....	13.3	13.0	13.0	57.1	55.7	55.9	49.5	52.2	50.0
Los Angeles-Long Beach .....	253.2	247.6	247.7	1,127.7	1,144.5	1,142.7	529.4	542.7	524.6
Modesto .....	5.0	5.0	5.1	26.3	26.7	26.6	20.9	23.0	20.5
Oakland .....	57.7	57.1	56.9	228.6	231.2	231.3	162.3	170.3	160.0
Oxnard-Ventura .....	11.9	12.3	12.4	61.1	61.3	61.3	44.7	43.5	43.0
Riverside-San Bernardino .....	30.7	30.7	30.4	182.2	182.8	182.0	151.5	155.1	148.1
Sacramento .....	42.6	43.4	43.5	150.2	151.2	150.8	182.1	187.6	181.7
Salinas-Seaside-Monterey .....	6.3	6.5	6.5	28.7	28.3	28.5	28.1	27.1	28.0
San Diego .....	60.9	60.7	60.8	288.3	289.3	292.1	169.5	182.2	171.1
San Francisco .....	102.6	102.9	103.1	304.4	305.5	306.5	130.1	131.9	127.8
San Jose .....	31.4	30.7	30.8	224.0	227.4	225.2	88.4	88.1	86.0
Santa Barbara-Santa Maria-Lompoc .....	7.8	7.6	7.6	42.6	42.3	41.9	27.8	30.2	27.3
Santa Rosa-Petaluma .....	9.7	9.5	9.6	37.0	37.8	37.9	21.6	26.0	21.3
Stockton .....	9.0	8.9	8.9	34.5	34.9	34.7	34.6	34.6	32.3
Vallejo-Fairfield-Napa .....	5.2	4.9	4.9	35.1	35.6	35.4	37.2	36.2	35.0
<b>Colorado</b> .....	100.7	103.6	104.4	449.9	461.9	465.2	274.9	295.2	277.2
Boulder-Longmont .....	4.6	4.9	4.8	37.1	38.1	36.3	22.0	24.3	22.6
Denver .....	67.6	69.2	69.5	249.8	255.0	256.1	128.9	139.7	132.8
<b>Connecticut</b> .....	144.3	140.0	140.4	423.6	425.1	424.9	194.0	210.6	198.8
Bridgeport-Milford .....	10.6	10.4	10.3	49.6	50.2	50.4	18.8	19.9	19.5
Hartford .....	71.2	69.6	70.1	107.4	109.2	108.1	58.5	63.7	58.4
New Britain .....	4.0	4.1	4.1	13.8	14.5	14.4	7.1	6.7	6.6
New Haven-Meriden .....	15.4	14.2	14.3	70.7	72.6	72.1	31.7	32.6	31.9
Stamford .....	13.9	13.6	13.6	39.1	38.6	39.0	9.9	10.7	10.1
Waterbury .....	4.3	4.6	4.6	24.4	24.9	25.1	12.4	12.7	12.7
<b>Delaware</b> .....	33.8	33.9	34.0	87.4	89.3	88.6	47.0	50.3	48.3
Wilmington .....	30.0	30.3	30.3	73.8	75.0	75.0	35.8	39.3	37.0
<b>District of Columbia</b> .....	33.9	32.5	32.2	255.5	255.3	254.4	300.4	291.8	309.8
Washington MSA .....	128.6	128.0	127.3	772.0	785.3	783.8	609.5	618.6	621.1
<b>Florida</b> .....	354.5	355.1	355.5	1,679.6	1,746.8	1,735.9	814.6	884.7	835.3
Daytona Beach .....	5.3	5.5	5.6	38.5	40.2	40.4	20.8	24.4	22.6
Fort Lauderdale-Hollywood-Pompano Beach .....	39.9	38.9	38.9	157.6	167.4	166.6	68.4	76.8	70.1
Fort Myers-Cape Coral .....	8.1	7.8	7.7	38.7	41.8	40.9	19.7	21.5	19.8
Gainesville .....	4.5	4.4	4.4	26.8	27.4	27.1	34.7	37.2	38.5
Jacksonville .....	44.8	44.6	44.6	116.8	120.1	119.7	58.9	60.9	58.4
Lakeland-Winter Haven .....	7.7	7.6	7.6	37.7	39.1	36.8	22.4	24.4	22.6
Melbourne-Titusville-Palm Bay .....	5.1	5.2	5.2	55.6	55.1	54.5	24.3	25.0	24.7
Miami-Hialeah .....	63.0	63.4	63.3	259.2	264.2	262.0	118.7	124.3	119.4
Orlando .....	34.3	35.6	35.4	220.0	229.8	229.0	63.4	70.6	64.4
Pensacola .....	5.3	5.3	5.2	39.8	41.7	41.9	29.1	30.2	29.1
Sarasota .....	7.7	7.6	7.6	42.1	43.8	43.5	12.9	13.8	13.0
Tallahassee .....	5.2	5.2	5.1	29.7	30.3	30.1	50.1	52.7	51.7
Tampa-St. Petersburg-Clearwater .....	63.1	62.9	63.3	289.0	302.0	300.2	108.9	118.0	110.6
West Palm Beach-Boca Raton-Deeray Beach .....	25.8	26.0	26.0	117.4	120.7	116.7	43.8	48.5	45.3

See footnotes at end of table.

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

**B-9. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Georgia</b> .....	2,987.2	3,075.1	3,068.7	7.6	7.4	7.4	123.6	129.2	133.2
Albany .....	50.0	51.4	51.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.1	3.2
Athens .....	67.0	71.0	68.7	.1	.1	.1	2.4	2.3	2.3
Atlanta .....	1,501.5	1,574.0	1,572.3	1.0	1.0	1.0	62.0	71.1	73.8
Augusta .....	180.5	182.0	179.8	.5	.5	.5	11.7	12.5	12.5
Columbus .....	96.9	98.5	98.7	.1	.1	.1	3.8	3.5	3.6
Macon-Warner Robins .....	125.4	126.8	125.6	.1	.1	.1	4.1	3.6	3.6
Savannah .....	115.0	119.7	119.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	5.6	5.7
<b>Hawaii</b> .....	540.4	535.7	532.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	31.4	31.2	31.2
Honolulu .....	414.3	413.2	407.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	24.2	23.2	23.2
<b>Idaho</b> .....	421.5	431.6	429.4	2.9	2.5	2.6	24.8	25.1	25.5
Boise City .....	118.9	125.3	125.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	8.3	8.6
<b>Illinois</b> .....	5,206.8	5,270.7	5,247.8	19.0	15.2	15.3	219.3	208.9	213.8
Aurora-Elgin .....	154.1	157.8	155.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.7	8.3	8.3
Bloomington-Normal .....	68.3	69.2	68.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.3	2.3
Champaign-Urbana-Rantoul .....	89.4	86.6	86.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.2	3.2
Chicago .....	3,101.8	3,153.6	3,143.1	1.6	1.6	1.6	117.7	117.3	118.4
Davenport-Rock Island-Moline .....	165.8	168.5	166.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	8.3	8.3
Decatur .....	55.5	55.9	55.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.4	3.3
Joliet .....	117.2	117.5	118.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.4	8.9	9.3
Kankakee .....	40.2	39.4	39.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.8	1.9
Lake County .....	237.4	243.3	241.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.6	11.7	11.9
Peoria .....	153.6	154.3	153.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3	7.5	7.4
Rockford .....	137.3	137.5	136.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.5	5.5
Springfield .....	109.8	110.5	109.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.7	5.1	5.2
<b>Indiana</b> .....	2,529.7	2,580.2	2,558.5	7.4	6.5	6.5	117.6	118.8	120.8
Anderson .....	49.1	48.6	48.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.7	1.8
Bloomington .....	54.6	56.3	56.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.3	3.5
Elkhart-Goshen .....	101.1	105.5	104.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.0	3.2
Evansville .....	138.9	141.2	140.7	1.8	1.5	1.5	8.0	8.2	8.2
Fort Wayne .....	202.5	205.3	204.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	10.0	10.1
Gary-Hammond .....	245.0	243.6	240.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	15.9	13.7	13.9
Indianapolis .....	676.6	688.3	687.1	.7	.7	.7	34.6	34.0	34.5
Kokomo .....	47.3	48.1	47.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.2	1.2
Lafayette-West Lafayette .....	66.6	69.1	69.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	3.1
Muncie .....	53.6	54.8	54.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.4	2.6
South Bend-Mishawaka .....	116.8	118.6	117.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.5	6.5
Terre Haute .....	60.0	59.6	58.1	.4	.4	.4	3.6	3.1	3.1
<b>Iowa</b> .....	1,246.1	1,271.4	1,247.1	2.3	2.3	2.3	53.9	52.6	53.8
Cedar Rapids .....	94.9	96.1	94.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.3	4.8	4.8
Des Moines .....	241.7	247.4	240.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.6	10.2	10.2
Dubuque .....	46.8	47.2	46.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.9	1.9
Iowa City .....	56.6	58.1	57.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.0	2.1
Stout City .....	57.8	58.9	58.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.4	3.5
Waterloo-Cedar Falls .....	70.3	71.8	71.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	3.1	3.1
<b>Kansas</b> .....	1,105.9	1,142.5	1,121.5	9.0	8.4	8.4	48.3	48.7	49.0
Lawrence .....	36.4	37.5	36.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.4	1.4
Topeka .....	91.3	94.8	92.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.9	3.9
Wichita .....	245.3	244.1	240.8	1.7	1.7	1.7	12.2	12.3	12.4
<b>Kentucky</b> .....	1,511.0	1,539.2	1,530.1	30.1	27.8	27.2	74.6	72.9	75.1
Lexington-Fayette .....	206.7	211.8	212.7	.2	.2	.2	11.3	11.8	12.1
Louisville .....	497.8	505.7	505.6	.6	.6	.6	24.1	24.5	25.1
Owensboro .....	37.6	37.9	37.7	.6	.4	.5	2.5	2.3	2.4
<b>Louisiana</b> .....	1,630.6	1,629.9	1,626.4	47.6	44.2	44.0	100.9	100.1	99.8
Alexandria .....	47.7	48.2	48.0	.1	.1	.1	3.1	3.2	3.3
Baton Rouge .....	252.3	251.5	251.7	.9	.9	.9	31.0	31.0	30.5
Houma-Thibodaux .....	57.3	58.4	59.1	4.4	4.4	4.8	3.3	3.3	3.4
Lafayette .....	100.5	99.9	100.7	10.7	10.5	10.5	5.4	5.2	5.3
Lake Charles .....	72.8	72.8	72.9	1.0	.9	.9	8.7	9.4	9.4
Monroe .....	61.0	60.2	60.6	.4	.4	.4	3.2	3.3	3.5
New Orleans .....	539.1	535.3	534.8	14.1	12.5	12.5	23.2	23.4	22.9
Shreveport .....	138.2	141.8	141.3	2.7	2.7	2.6	6.8	6.9	6.9

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P
<b>Georgia</b> .....	545.1	547.3	546.8	197.5	203.2	203.6	748.3	769.2	774.5
Albany .....	7.9	7.6	7.5	2.5	2.4	2.5	12.0	12.6	12.6
Athens .....	15.0	15.0	15.0	1.8	1.8	1.8	15.8	17.1	17.2
Atlanta .....	169.9	173.6	173.0	132.5	135.8	135.7	410.4	435.8	437.1
Augusta .....	42.8	41.9	41.8	5.1	5.0	5.0	39.1	38.6	38.7
Columbus .....	20.3	21.0	21.0	3.4	3.7	3.7	21.1	21.4	21.4
Macon-Warner Robins .....	18.0	18.6	18.7	4.9	4.8	4.8	29.6	29.6	29.6
Savannah .....	16.4	17.1	17.4	10.2	10.8	10.9	27.7	28.7	29.0
<b>Hawaii</b> .....	19.8	18.6	19.0	43.5	41.7	41.5	136.5	133.4	134.6
Honolulu .....	14.3	13.7	13.7	35.7	34.2	34.1	102.3	100.6	101.4
<b>Idaho</b> .....	67.3	68.8	70.2	20.5	20.4	20.4	107.7	109.3	110.0
Boise City .....	18.0	20.1	20.4	6.1	6.1	6.1	29.6	29.6	29.9
<b>Illinois</b> .....	929.2	925.1	923.1	300.1	301.5	301.0	1,230.0	1,242.3	1,248.5
Aurora-Elgin .....	38.6	39.0	38.9	3.6	3.6	3.5	38.0	38.3	38.9
Bloomington-Normal .....	7.0	7.3	7.3	3.0	3.0	3.0	16.0	15.8	15.9
Champaign-Urbana-Rantoul .....	10.0	10.6	10.4	2.3	2.4	2.5	19.8	19.5	19.7
Chicago .....	508.4	513.8	512.9	199.1	200.8	199.1	727.4	743.5	739.5
Davenport-Rock Island-Moline .....	27.1	26.6	26.7	7.6	7.6	7.6	49.1	49.6	49.3
Decatur .....	14.4	14.1	14.2	4.8	4.9	4.8	11.9	12.1	12.1
Joliet .....	21.3	21.3	21.5	9.3	9.1	9.3	26.8	27.2	27.3
Kankakee .....	6.3	6.4	6.4	1.5	1.6	1.6	9.5	9.5	9.5
Lake County .....	50.9	52.1	52.1	7.7	7.8	7.8	63.3	63.4	63.9
Peoria .....	32.6	32.0	31.9	7.8	7.7	7.7	35.9	36.2	36.4
Rockford .....	42.3	40.2	40.2	4.7	4.8	4.9	30.8	31.0	30.9
Springfield .....	4.0	3.9	3.9	5.1	5.0	5.0	24.2	24.2	24.4
<b>Indiana</b> .....	629.0	636.8	632.3	131.5	130.1	129.7	602.3	605.2	604.9
Anderson .....	15.1	13.4	13.3	1.1	1.2	1.1	11.4	11.5	11.4
Bloomington .....	9.1	8.9	9.0	1.6	1.6	1.8	12.3	13.1	13.0
Elkhart-Goshen .....	52.5	54.5	54.0	2.6	2.6	2.5	19.3	19.9	20.0
Evansville .....	31.8	32.5	32.6	6.7	6.8	6.7	35.6	35.0	35.2
Fort Wayne .....	51.0	52.2	51.7	13.9	13.9	13.9	49.4	48.1	47.9
Gary-Hammond .....	53.8	52.1	52.4	17.8	17.5	17.2	59.2	59.6	59.1
Indianapolis .....	108.6	110.3	110.9	41.3	41.1	40.8	175.4	180.2	180.5
Kokomo .....	19.1	18.2	18.0	1.4	1.3	1.4	10.2	10.5	10.6
Lafayette-West Lafayette .....	14.5	14.9	15.0	2.1	2.2	2.2	13.8	13.9	13.9
Muncie .....	10.9	10.8	10.4	4.2	3.9	4.1	12.0	12.5	12.2
South Bend-Mishawaka .....	20.3	21.1	21.1	5.5	5.3	5.4	29.9	30.3	30.4
Terre Haute .....	11.2	11.7	11.6	2.6	2.4	2.4	18.8	16.6	17.1
<b>Iowa</b> .....	231.2	234.3	231.1	54.9	54.2	54.1	321.3	322.9	321.6
Cedar Rapids .....	20.7	20.5	20.4	5.5	5.4	5.4	22.8	23.3	23.4
Des Moines .....	24.8	25.2	22.9	11.9	12.2	12.2	63.9	64.8	63.6
Dubuque .....	12.6	12.8	12.7	1.8	1.8	1.8	10.9	11.2	11.1
Iowa City .....	4.3	4.4	4.4	1.8	1.8	1.5	10.9	10.8	10.7
Sioux City .....	11.3	11.9	11.8	3.4	3.5	3.5	14.4	14.2	14.1
Waterloo-Cedar Falls .....	16.2	15.8	16.1	1.9	1.9	1.9	17.3	17.8	18.0
<b>Kansas</b> .....	182.6	180.9	180.7	66.3	65.8	66.1	272.8	279.6	279.4
Lawrence .....	4.8	4.9	4.8	1.0	1.0	1.0	9.0	9.1	9.0
Topeka .....	9.1	9.5	9.4	6.1	6.4	6.5	20.6	21.0	20.7
Wichita .....	60.0	57.5	56.8	11.7	11.6	11.5	56.2	55.2	55.5
<b>Kentucky</b> .....	288.9	292.3	292.4	82.5	83.3	83.3	358.1	363.3	364.3
Lexington-Fayette .....	32.7	33.7	33.7	6.8	6.8	6.7	48.5	48.1	48.1
Louisville .....	88.6	88.4	88.6	33.0	33.9	33.8	120.1	122.8	122.6
Owensboro .....	6.4	6.3	6.3	2.2	2.1	2.0	9.6	9.6	9.6
<b>Louisiana</b> .....	188.1	183.6	183.5	105.4	104.6	104.8	380.2	380.7	380.4
Alexandria .....	3.3	3.2	3.2	2.4	2.5	2.5	10.5	10.5	10.6
Baton Rouge .....	23.8	23.5	23.4	11.5	11.8	11.8	53.9	54.5	54.4
Houma-Thibodaux .....	4.9	4.5	4.7	5.6	5.6	5.7	14.5	15.1	15.1
Lafayette .....	9.5	9.6	9.5	5.9	6.0	5.9	26.5	26.3	26.2
Lake Charles .....	10.8	10.8	10.9	4.6	4.2	4.4	16.5	16.3	16.3
Monroe .....	8.0	7.8	7.7	2.9	3.0	3.0	14.9	15.0	15.1
New Orleans .....	45.0	43.2	42.8	40.3	40.2	40.1	136.5	136.7	136.9
Shreveport .....	16.9	15.9	16.4	6.0	7.9	8.0	33.2	34.4	34.7

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P
<b>Georgia</b> .....	163.2	164.1	165.4	679.8	711.0	715.3	522.1	543.7	522.5
Albany .....	2.0	2.0	2.0	11.2	11.7	11.8	11.6	12.0	11.6
Athens .....	2.1	2.1	2.1	11.2	10.9	11.0	18.6	21.7	19.2
Atlanta .....	105.6	105.9	106.6	402.7	424.0	425.4	217.4	226.8	219.7
Augusta .....	6.2	6.3	6.3	40.5	40.0	40.1	34.6	37.2	34.9
Columbus .....	6.8	7.0	7.3	22.0	21.8	22.0	19.4	20.0	19.6
Macon-Warner Robins .....	7.6	6.0	8.2	26.9	27.2	26.9	34.2	34.9	33.7
Savannah .....	4.4	4.2	4.2	31.6	33.9	34.0	18.2	19.4	18.3
<b>Hawaii</b> .....	37.9	37.5	38.0	164.8	159.5	161.0	106.5	113.8	106.8
Honolulu .....	31.2	31.1	31.4	119.9	117.7	118.2	88.7	92.7	85.9
<b>Idaho</b> .....	21.8	22.5	22.6	92.4	93.9	94.9	84.1	89.1	83.2
Boise City .....	8.9	9.2	9.3	27.9	30.3	30.3	20.4	21.7	20.7
<b>Illinois</b> .....	380.9	381.1	383.3	1,403.8	1,433.1	1,434.5	724.5	763.5	728.3
Aurora-Elgin .....	9.6	9.5	9.6	39.4	41.0	40.2	16.2	18.1	16.5
Bloomington-Normal .....	12.2	12.2	12.3	17.4	17.6	17.8	10.1	11.0	10.0
Champaign-Urbana-Rantoul .....	3.2	3.2	3.2	18.9	19.2	19.3	32.0	28.5	28.3
Chicago .....	266.3	267.1	269.2	907.0	927.3	925.8	374.3	382.2	376.6
Davenport-Rock Island-Moline .....	8.2	8.0	8.0	40.7	42.0	42.1	24.5	26.2	24.9
Decatur .....	2.4	2.4	2.4	12.8	12.8	12.9	5.8	6.2	5.7
Joliet .....	4.4	4.5	4.5	29.4	29.8	29.6	16.6	16.7	16.9
Kankakee .....	1.8	1.8	1.8	12.1	11.0	11.0	7.1	7.3	6.9
Lake County .....	15.3	15.4	15.4	60.2	60.7	61.7	28.4	32.2	28.4
Peoria .....	8.6	8.6	8.5	44.3	44.8	44.9	16.1	17.5	16.4
Rockford .....	6.3	6.3	6.3	35.6	36.5	36.8	12.1	13.2	12.2
Springfield .....	8.1	8.1	8.1	30.5	31.0	30.8	32.2	33.2	32.1
<b>Indiana</b> .....	129.7	132.7	133.0	554.0	569.0	569.3	358.1	381.2	362.0
Anderson .....	1.6	1.6	1.6	11.4	11.8	11.9	6.9	7.5	7.7
Bloomington .....	2.0	2.1	2.1	10.7	10.5	10.4	16.0	16.7	16.4
Elkhart-Goshen .....	2.6	2.5	2.5	15.4	16.3	16.2	5.6	6.5	5.9
Evansville .....	5.6	5.9	5.8	35.8	36.7	37.3	13.5	14.7	13.4
Fort Wayne .....	12.1	12.0	12.0	47.7	49.7	49.5	18.5	19.5	19.0
Gary-Hammond .....	8.9	9.2	9.3	56.8	56.3	55.9	32.6	34.9	33.0
Indianapolis .....	54.9	55.6	55.5	163.1	167.0	166.6	97.9	99.5	97.6
Kokomo .....	1.4	1.6	1.7	7.8	8.4	8.3	6.2	6.8	6.5
Lafayette-West Lafayette .....	3.2	3.3	3.3	13.5	13.9	14.0	16.7	17.9	17.6
Muncie .....	1.8	1.8	1.8	12.6	13.1	13.2	10.0	10.2	9.8
South Bend-Mishawaka .....	6.8	6.8	6.7	35.0	35.6	35.3	12.4	13.0	12.2
Terre Haute .....	2.2	2.3	2.3	13.6	13.2	12.8	9.7	9.6	8.4
<b>Iowa</b> .....	73.2	74.2	74.7	303.9	305.0	301.4	205.4	225.9	208.1
Cedar Rapids .....	5.1	5.2	5.2	25.4	25.7	25.2	10.1	11.2	10.0
Des Moines .....	33.9	34.4	34.7	65.4	67.8	65.3	31.2	33.0	31.3
Dubuque .....	1.6	1.8	1.8	14.5	14.0	13.8	3.3	3.7	3.3
Iowa City .....	1.6	1.6	1.7	10.3	10.7	10.4	25.9	27.0	27.1
Sioux City .....	2.6	2.6	2.6	16.5	16.2	16.1	6.4	7.1	6.5
Waterloo-Cedar Falls .....	3.9	4.0	4.0	16.9	17.4	17.4	10.9	11.8	11.1
<b>Kansas</b> .....	58.4	58.6	58.7	261.8	267.4	267.2	206.7	233.1	212.0
Lawrence .....	1.8	1.8	1.7	8.3	8.3	8.2	9.8	11.0	10.4
Topeka .....	6.3	6.3	6.3	23.9	24.1	23.9	21.3	23.6	21.9
Wichita .....	11.1	11.4	11.4	64.7	64.2	64.1	27.7	30.2	27.4
<b>Kentucky</b> .....	63.2	63.9	63.7	354.9	361.8	361.0	258.7	273.9	263.1
Lexington-Fayette .....	9.4	9.5	9.5	52.5	54.1	53.8	45.3	45.6	46.8
Louisville .....	28.1	28.2	28.6	136.1	139.8	139.5	67.2	67.7	66.8
Owensboro .....	1.4	1.4	1.4	9.6	9.7	9.6	5.3	6.1	5.9
<b>Louisiana</b> .....	77.8	76.9	76.9	395.2	400.1	398.8	337.4	339.5	338.2
Alexandria .....	2.1	2.1	2.1	13.6	13.7	13.7	12.6	12.9	12.5
Baton Rouge .....	14.1	14.3	14.3	59.2	60.0	60.1	57.9	55.5	56.3
Houma-Thibodaux .....	2.2	2.3	2.3	11.0	11.5	11.6	11.4	11.7	11.5
Lafayette .....	3.9	4.0	4.0	24.9	25.2	25.5	13.7	13.1	13.8
Lake Charles .....	2.7	2.7	2.6	15.9	15.5	15.3	12.6	13.0	13.1
Monroe .....	4.3	4.3	4.3	15.1	15.2	15.1	12.2	11.2	11.5
New Orleans .....	29.2	28.9	28.9	153.7	157.4	155.9	97.1	93.0	94.8
Shreveport .....	6.4	6.7	6.7	37.4	38.1	38.1	26.8	29.2	27.9

See footnotes at end of table.

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

**B-9. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Maine</b> .....	522.8	519.6	516.8	0.1	0.1	0.1	23.5	23.7	24.4
Lewiston-Auburn .....	36.0	37.8	37.2	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.7	1.5	1.6
Portland .....	122.3	123.4	123.3	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	5.6	5.7	5.9
<b>Maryland</b> .....	2,090.2	2,093.9	2,074.4	1.2	1.2	1.2	124.4	116.2	117.6
Baltimore MSA .....	1,097.5	1,085.4	1,080.3	.2	.2	.2	58.5	54.7	55.2
Baltimore City .....	428.6	415.8	415.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.3	11.9	12.3
Suburban Maryland-D.C. ....	750.2	763.1	749.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	52.6	50.1	49.9
<b>Massachusetts</b> .....	2,771.7	2,796.3	2,755.4	1.2	1.2	1.2	76.0	77.0	81.3
Boston .....	1,541.1	1,554.9	1,536.4	.4	.3	.3	37.4	39.2	41.0
Brockton .....	62.5	63.4	62.1	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.8	1.8	1.8
Fall River .....	48.1	49.0	47.4	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.4	1.1	1.2
Fitchburg-Leominster .....	35.9	36.8	35.7	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	1.1	.9	.9
Lawrence-Haverhill .....	148.8	150.9	147.7	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	5.1	4.8	5.2
Lowell .....	91.7	91.5	89.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.6	3.7
New Bedford .....	59.4	59.9	58.7	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	2.1	1.8	1.8
Pittsfield .....	38.3	39.7	39.3	.1	.1	.1	1.4	1.5	1.5
Springfield .....	213.0	213.2	208.9	.2	.2	.2	5.8	5.1	5.3
Worcester .....	181.4	184.6	181.0	.2	.2	.2	5.4	5.4	5.5
<b>Michigan</b> .....	3,880.3	3,985.5	3,937.0	8.9	8.8	8.8	139.4	140.8	150.0
Ann Arbor .....	172.0	174.6	171.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.0	4.2
Battle Creek .....	59.6	61.0	60.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.1	2.2
Benton Harbor .....	67.2	67.1	66.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.6	2.0
Detroit .....	1,858.7	1,913.7	1,888.8	.7	1.0	1.0	59.4	60.0	64.2
Flint .....	160.9	165.4	161.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	5.4	6.0
Grand Rapids .....	359.3	371.5	365.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.3	16.2	16.9
Jackson .....	53.0	54.6	53.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.6	1.7
Kalamazoo .....	111.8	114.3	112.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	4.3	4.4
Lansing-East Lansing .....	208.1	210.4	207.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.3	6.9
Muskegon .....	57.3	57.2	56.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.4
Saginaw-Bay City-Midland .....	164.4	166.4	164.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.1	8.7	9.1
<b>Minnesota</b> .....	2,185.3	2,259.8	2,233.9	8.0	8.3	8.4	88.5	85.9	88.7
Duluth .....	102.4	101.0	100.7	5.3	5.1	5.1	4.2	3.7	3.8
Minneapolis-St. Paul .....	1,396.6	1,437.6	1,426.8	( <sup>9</sup> )	( <sup>9</sup> )	( <sup>9</sup> )	52.5	50.1	51.8
Rochester .....	69.2	69.6	69.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.5	2.4
St. Cloud .....	83.2	87.4	85.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	4.3	4.4
<b>Mississippi</b> .....	951.9	981.6	969.5	5.2	5.0	4.9	38.3	39.1	38.2
Jackson .....	188.5	192.6	189.7	.5	.6	.5	7.8	7.7	7.7
<b>Missouri</b> .....	2,323.7	2,354.6	2,332.2	4.9	4.5	4.3	95.8	97.4	98.3
Kansas City .....	785.8	800.1	792.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	33.0	34.0	33.9
St. Louis .....	1,154.9	1,166.2	1,157.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	52.0	49.8	50.5
Springfield .....	124.7	127.4	127.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	5.1	5.4
<b>Montana</b> .....	316.8	329.8	323.9	5.9	5.5	5.5	14.9	15.5	15.9
<b>Nebraska</b> .....	743.3	755.5	744.4	1.6	1.7	1.7	30.2	31.3	31.7
Lincoln .....	123.4	126.2	124.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.1	5.2
Omaha .....	335.4	338.0	334.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.0	13.8	13.9
<b>Nevada</b> .....	640.9	665.3	659.5	13.3	12.5	12.6	39.8	47.8	47.4
Las Vegas .....	389.6	409.3	404.0	.3	.3	.3	27.3	33.8	33.4
Reno .....	145.5	148.7	147.9	.9	.9	.9	7.4	7.8	7.9
<b>New Hampshire</b> .....	484.7	494.6	486.0	.5	.5	.5	18.4	18.0	19.0
Manchester .....	74.9	76.5	76.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	3.1	3.5
Nashua .....	82.2	85.7	83.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.5	2.5
Portsmouth-Dover-Rochester .....	104.8	106.2	106.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.8	3.0
<b>New Jersey</b> .....	3,466.6	3,459.0	3,424.6	2.0	1.9	1.9	113.2	101.7	101.3
Atlantic City .....	180.4	178.5	182.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	5.8	5.3
Bergen-Passaic .....	595.9	598.1	586.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.9	17.6	17.5
Camden .....	421.5	428.8	423.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.4	18.4	16.6
Jersey City .....	226.4	223.4	221.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	3.5	3.8
Middlesex-Somerset-Hunterdon .....	530.7	529.8	524.3	.6	.6	.6	16.5	13.4	14.0
Monmouth-Ocean .....	331.3	331.9	330.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.8	12.1	12.1
Newark .....	877.9	877.2	867.2	.5	.5	.5	28.2	26.6	26.8
Trenton .....	191.0	190.1	186.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.7	3.7
Vineland-Millville-Bridgeton .....	56.9	56.4	55.5	.3	.3	.3	2.0	1.6	1.7

See footnotes at end of table.



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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Maine</b> .....	91.7	92.2	89.9	22.1	21.1	21.1	136.3	130.0	134.2
Lewiston-Auburn .....	7.6	8.3	8.0	1.3	1.3	1.3	9.4	9.8	9.9
Portland .....	13.1	13.0	12.8	5.9	5.7	5.7	37.5	37.2	38.2
<b>Maryland</b> .....	183.0	179.8	178.8	98.4	98.4	98.4	511.6	507.8	507.0
Baltimore MSA .....	112.2	108.3	107.8	53.8	54.1	53.4	254.4	253.1	252.5
Baltimore City .....	38.9	38.4	38.0	21.8	21.4	21.4	74.4	71.8	71.0
Suburban Maryland-D.C. ....	32.8	33.9	33.5	31.2	30.9	31.1	188.4	188.6	187.9
<b>Massachusetts</b> .....	454.3	447.1	435.2	117.9	120.1	116.2	645.6	652.2	644.8
Boston .....	204.5	200.5	197.6	71.4	70.8	69.5	331.1	335.1	330.9
Brockton .....	8.2	8.2	8.0	4.0	4.3	4.1	20.4	19.9	19.7
Fall River .....	12.9	13.5	12.6	1.8	1.8	1.8	12.2	11.9	11.5
Fitchburg-Leominster .....	10.2	10.4	9.8	1.3	1.4	1.3	9.1	9.5	9.2
Lawrence-Haverhill .....	40.6	40.5	39.2	5.3	5.6	5.2	36.3	36.9	36.2
Lowell .....	28.3	26.5	25.9	4.6	4.4	4.4	19.5	19.7	19.5
New Bedford .....	14.2	15.1	14.4	2.3	2.2	2.1	15.2	14.5	14.5
Pittsfield .....	7.5	7.6	7.1	1.2	1.2	1.2	9.1	9.0	9.0
Springfield .....	42.3	41.0	40.0	7.6	7.7	7.3	48.7	48.4	48.1
Worcester .....	35.8	35.3	34.5	8.5	8.6	8.3	41.8	42.9	41.9
<b>Michigan</b> .....	881.8	902.3	884.1	155.2	157.2	156.7	938.2	946.5	945.9
Ann Arbor .....	36.9	37.0	35.1	4.2	4.0	4.0	30.7	30.8	30.6
Battle Creek .....	16.0	17.0	16.2	1.8	1.9	1.9	13.0	13.2	13.2
Benton Harbor .....	20.4	20.0	19.9	2.9	3.0	3.0	14.5	14.7	14.8
Detroit .....	404.6	424.9	416.0	86.7	88.3	86.6	454.2	455.1	454.8
Flint .....	45.4	45.8	45.2	4.7	4.8	4.6	40.1	39.9	39.5
Grand Rapids .....	100.2	101.9	99.7	13.3	13.5	13.6	94.9	96.6	96.1
Jackson .....	11.7	12.2	12.1	3.5	3.6	3.6	13.4	13.4	13.6
Kalamazoo .....	28.0	27.7	27.4	3.2	3.1	3.1	25.5	25.8	25.7
Lansing-East Lansing .....	30.1	28.4	28.1	6.5	6.7	6.6	46.5	47.1	46.6
Muskegon .....	14.9	14.5	14.2	2.3	2.2	2.2	13.9	13.7	13.7
Saginaw-Bay City-Midland .....	42.7	42.0	41.4	6.4	6.4	6.4	40.8	41.1	41.4
<b>Minnesota</b> .....	402.3	399.1	402.5	107.4	108.0	106.6	530.1	541.5	539.5
Duluth .....	8.6	8.5	8.6	6.2	5.8	5.9	26.6	25.8	25.9
Minneapolis-St. Paul .....	260.5	258.3	260.2	76.8	76.0	74.6	332.1	338.6	338.0
Rochester .....	12.1	11.9	12.2	2.2	2.2	2.2	13.9	13.8	13.9
St. Cloud .....	15.7	15.6	15.7	4.0	4.2	4.1	25.1	26.4	26.2
<b>Mississippi</b> .....	250.0	253.2	249.3	44.9	45.2	45.5	201.4	204.2	203.3
Jackson .....	22.3	21.3	21.1	12.9	12.8	13.0	44.9	46.2	46.1
<b>Missouri</b> .....	411.9	408.5	403.3	150.0	153.5	152.7	561.8	561.3	560.9
Kansas City .....	105.0	103.1	103.2	63.8	65.1	64.4	197.6	199.1	198.7
St. Louis .....	201.9	197.0	194.0	77.0	77.7	77.4	278.7	281.1	280.5
Springfield .....	19.9	20.1	20.1	7.4	7.7	7.8	36.1	36.4	36.8
<b>Montana</b> .....	23.2	23.0	23.4	20.1	20.2	20.1	88.4	89.2	90.5
<b>Nebraska</b> .....	99.8	102.8	101.1	47.0	47.3	47.0	188.9	188.7	187.6
Lincoln .....	14.4	15.0	14.7	7.4	7.2	7.1	26.6	26.4	26.6
Omaha .....	34.8	35.1	34.8	23.5	23.7	23.5	84.6	84.9	84.2
<b>Nevada</b> .....	26.4	27.2	27.3	33.4	33.4	33.5	130.7	133.0	133.1
Las Vegas .....	11.0	11.4	11.4	20.5	20.2	20.2	80.9	82.1	82.2
Reno .....	9.0	9.4	9.5	9.6	9.8	9.8	33.7	33.7	33.7
<b>New Hampshire</b> .....	96.2	97.4	95.0	17.0	17.3	16.7	127.3	126.5	127.2
Manchester .....	9.7	10.0	9.6	4.3	4.5	4.5	18.7	19.0	18.5
Nashua .....	28.4	28.7	28.1	2.8	3.3	3.3	20.1	20.4	20.3
Portsmouth-Dover-Rochester .....	18.7	19.1	18.4	3.1	2.9	3.1	28.9	29.2	29.8
<b>New Jersey</b> .....	523.6	512.0	504.6	225.9	232.2	225.9	815.5	810.0	804.9
Atlantic City .....	6.8	7.1	7.0	7.2	7.3	7.0	42.6	41.1	44.4
Bergen-Passaic .....	116.4	114.1	111.7	27.7	27.6	26.7	167.0	163.4	161.0
Camden .....	58.3	58.9	58.2	18.5	19.0	17.9	110.6	110.5	109.2
Jersey City .....	32.3	31.5	30.0	27.1	27.3	26.7	56.8	56.5	56.1
Middlesex-Somerset-Hunterdon .....	96.2	93.7	92.8	42.4	43.3	42.1	126.2	123.3	121.5
Monmouth-Ocean .....	21.4	20.2	19.9	14.9	15.8	15.5	90.1	90.2	91.1
Newark .....	139.7	140.5	139.2	75.5	76.7	75.9	170.4	169.1	166.0
Trenton .....	25.1	24.2	24.3	7.2	7.0	7.0	29.1	27.8	27.1
Vineyard-Millville-Bridgeton .....	14.4	14.0	14.1	2.2	2.3	2.2	10.3	10.4	10.1

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P
<b>Maine</b>	24.8	24.6	24.6	138.8	132.5	137.7	85.5	95.4	84.8
Lewiston-Auburn	1.9	1.9	1.9	10.2	10.8	10.8	3.9	4.2	3.9
Portland	11.9	11.8	11.7	33.9	34.2	34.5	14.4	15.8	14.5
<b>Maryland</b>	130.1	129.3	130.2	641.2	644.5	646.8	400.3	416.7	394.4
Baltimore MSA	74.8	73.4	73.5	395.1	334.7	336.8	208.5	208.9	200.9
Baltimore City	39.4	38.5	38.6	144.2	143.4	145.4	96.6	90.4	88.5
Suburban Maryland-D.C.	46.2	46.1	46.3	244.2	246.0	246.8	154.8	167.5	154.4
<b>Massachusetts</b>	197.5	194.1	193.5	917.3	924.7	925.0	361.9	379.9	358.2
Boston	135.8	133.9	133.7	581.2	589.3	587.1	179.3	185.8	176.3
Brockton	2.7	2.6	2.6	14.8	15.3	15.3	10.8	11.3	10.6
Fall River	3.0	3.1	3.1	11.0	11.3	11.3	5.8	6.3	5.9
Fitchburg-Leominster	1.4	1.5	1.5	9.0	8.7	9.1	3.8	4.4	3.9
Lawrence-Haverhill	5.3	5.3	5.3	37.8	38.3	38.2	18.4	19.5	18.4
Lowell	2.6	2.6	2.8	21.2	21.9	21.6	11.8	12.8	11.5
New Bedford	2.1	2.1	2.1	14.1	14.6	14.5	9.4	9.6	9.3
Pittsfield	1.7	1.8	1.8	12.9	13.4	13.8	4.4	5.1	4.8
Springfield	14.5	13.9	13.8	60.5	61.6	61.8	33.4	35.3	32.4
Worcester	13.8	14.0	13.9	49.1	50.4	50.4	26.8	28.0	26.3
<b>Michigan</b>	191.1	190.6	191.6	980.4	1,011.0	1,011.8	585.5	628.3	588.0
Ann Arbor	5.2	5.3	5.3	40.0	40.7	40.8	51.0	52.9	52.0
Battle Creek	3.1	3.1	3.1	12.3	12.2	12.3	11.3	11.4	11.0
Benton Harbor	2.7	2.6	2.6	15.8	15.9	15.8	9.0	9.1	8.7
Detroit	108.9	106.6	107.4	522.7	539.5	537.3	221.5	238.2	219.5
Flint	5.9	6.0	6.0	38.8	41.2	40.8	20.9	22.3	19.3
Grand Rapids	16.6	17.3	17.2	85.7	89.6	88.9	32.4	36.4	32.6
Jackson	1.8	1.7	1.7	11.4	12.0	11.9	9.4	10.2	9.4
Kalamazoo	6.2	6.4	6.4	29.7	30.6	30.7	15.1	16.4	15.3
Lansing-East Lansing	12.4	12.8	12.8	44.1	46.8	46.6	61.6	62.2	59.7
Muskegon	1.8	1.8	1.8	12.9	13.3	13.6	9.2	9.4	8.7
Saginaw-Bay City-Midland	6.2	6.2	6.2	39.8	40.6	40.9	20.4	21.4	19.1
<b>Minnesota</b>	131.1	135.7	136.5	596.1	825.0	626.5	321.8	356.3	325.2
Duluth	3.6	3.6	3.6	27.1	27.3	27.4	20.8	21.2	20.4
Minneapolis-St. Paul	102.4	105.8	108.5	389.5	410.0	410.7	182.3	198.4	184.6
Rochester	1.9	1.9	1.9	30.2	30.2	30.5	6.3	7.1	6.4
St. Cloud	2.7	2.8	2.8	19.2	20.2	20.2	12.0	13.9	12.5
<b>Mississippi</b>	38.6	39.6	39.7	178.6	186.0	188.5	194.9	209.3	200.1
Jackson	14.4	14.6	14.7	48.5	47.7	48.0	37.2	41.7	38.6
<b>Missouri</b>	138.1	139.6	139.6	811.4	617.9	620.3	349.8	371.9	352.8
Kansas City	60.4	61.6	61.6	205.9	209.3	210.4	120.1	127.9	120.4
St. Louis	73.4	73.8	74.1	337.8	343.5	343.5	134.1	143.3	135.6
Springfield	5.6	5.8	5.9	36.4	36.5	36.9	14.2	15.8	14.2
<b>Montana</b>	14.7	14.8	14.8	84.6	86.4	87.7	67.0	75.2	66.0
<b>Nebraska</b>	49.3	49.3	49.3	185.3	186.3	185.2	141.2	148.1	140.8
Lincoln	8.7	8.8	8.6	29.3	29.9	29.2	32.1	34.0	32.7
Omaha	28.9	28.7	28.5	103.0	103.7	103.0	46.6	48.1	46.4
<b>Nevada</b>	29.2	31.0	31.2	287.5	290.2	291.4	80.8	90.4	83.0
Las Vegas	19.5	21.0	20.9	188.4	192.6	192.7	41.7	47.9	42.9
Reno	7.1	7.3	7.3	59.6	59.8	60.2	18.2	20.0	18.6
<b>New Hampshire</b>	29.7	29.3	29.7	132.5	133.5	135.4	63.1	72.1	62.5
Manchester	8.5	7.8	7.9	22.4	23.2	23.9	8.2	8.9	8.3
Nashua	3.2	3.3	3.3	18.9	19.9	19.3	6.5	7.6	6.3
Portsmouth-Dover-Rochester	6.7	6.7	6.8	24.1	23.9	24.5	20.4	21.6	20.8
<b>New Jersey</b>	229.3	229.4	230.8	990.3	995.4	1,000.4	566.8	576.4	554.8
Atlantic City	6.3	6.0	6.0	83.1	82.2	84.8	28.8	29.0	28.1
Bergen-Passaic	33.9	34.5	34.8	163.8	167.3	166.6	68.2	73.6	68.7
Camden	23.1	22.8	22.9	117.9	120.7	122.5	74.7	78.5	75.7
Jersey City	18.9	19.6	20.2	45.1	44.8	42.7	42.1	40.2	42.3
Middlesex-Somerset-Hunterdon	42.9	43.8	44.3	130.5	133.4	134.3	75.4	78.3	74.7
Monmouth-Ocean	18.8	18.6	18.8	107.1	107.7	108.7	85.2	67.3	64.4
Newark	68.5	66.2	67.5	258.8	260.0	259.1	136.3	135.6	132.2
Trenton	10.9	10.8	10.8	60.3	60.9	60.8	54.4	55.7	52.9
Vineland-Millville-Bridgeton	4.0	3.7	3.7	11.1	11.1	11.1	12.6	13.0	12.3

See footnotes at end of table.

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

**B-9. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>New Mexico</b> .....	595.7	614.0	614.0	14.8	15.2	15.6	31.1	33.8	34.7
Albuquerque .....	253.3	258.2	259.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.8	13.1	13.4
Las Cruces .....	42.5	44.6	41.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.6
Santa Fe .....	65.0	66.8	67.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.2	3.3
<b>New York</b> .....	7,736.2	7,778.7	7,684.5	5.3	5.2	5.3	256.2	249.3	254.0
Albany-Schenectady-Troy .....	424.3	428.2	423.4	.4	.5	.5	17.5	15.8	16.6
Binghamton .....	112.7	113.5	111.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	4.8	5.0
Buffalo .....	449.6	451.7	446.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.0	17.0	17.4
Elmira .....	39.7	40.1	39.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.3
Glens Falls .....	50.9	50.2	51.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	1.8	1.9
Nassau-Suffolk .....	1,045.6	1,057.5	1,035.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	40.3	39.2	39.0
New York PMSA .....	3,778.0	3,767.3	3,733.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	108.1	103.7	104.0
New York City .....	3,278.6	3,275.5	3,247.2	.4	.4	.4	86.5	83.4	83.6
Niagara Falls .....	81.2	81.5	81.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.1	3.4
Orange County .....	106.6	107.9	106.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.7	3.8
Poughkeepsie .....	106.8	100.6	98.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.7	4.6
Rochester .....	480.5	488.4	479.5	.7	.7	.7	17.1	16.8	17.5
Rockland County .....	96.6	96.5	95.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.5	3.2	3.4
Syracuse .....	308.3	306.4	303.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.7	14.5	14.9
Utica-Rome .....	124.3	125.1	124.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.7	4.0
Westchester County .....	382.0	376.5	372.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.5	15.6	15.7
<b>North Carolina</b> .....	3,112.5	3,234.0	3,190.7	3.4	3.5	3.5	149.2	151.4	153.3
Asheville .....	90.5	94.0	93.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.3	4.4
Charlotte-Gastonia-Rock Hill .....	611.9	638.3	629.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	32.2	32.6	32.7
Greensboro-Winston-Salem-High Point .....	492.3	512.3	504.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	21.7	22.3	22.6
Raleigh-Durham .....	447.6	468.9	464.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.4	20.4	20.5
<b>North Dakota</b> .....	277.8	285.4	283.4	4.0	3.9	4.1	13.4	13.4	13.8
Bismarck .....	42.9	43.3	43.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.5	2.6
Fargo-Moorhead .....	81.1	83.7	83.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	5.0	5.3
Grand Forks .....	31.8	32.7	32.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.8	1.9
<b>Ohio</b> .....	4,642.0	4,911.8	4,860.6	15.1	14.0	14.0	199.3	192.8	200.8
Akron .....	283.1	290.0	289.9	.5	.5	.5	10.9	10.7	10.7
Canton .....	166.9	167.6	168.0	.7	.7	.7	7.4	7.3	7.5
Cincinnati .....	747.0	763.2	758.6	.4	.4	.4	37.2	37.2	38.5
Cleveland .....	919.3	930.1	921.2	.7	.7	.7	34.2	33.3	34.5
Columbus .....	725.4	739.4	730.0	.7	.7	.7	30.0	28.9	30.1
Dayton-Springfield .....	440.3	445.5	441.7	.5	.6	.6	15.4	15.1	15.6
Toledo .....	279.3	288.2	279.8	.2	.2	.2	11.7	11.3	11.8
Youngstown-Warren .....	196.5	197.4	195.3	.4	.4	.4	8.1	7.7	8.2
<b>Oklahoma</b> .....	1,203.8	1,228.2	1,219.6	36.1	35.7	35.8	39.1	40.6	40.5
Enid .....	21.3	22.7	22.7	.8	.9	.9	.7	.8	.7
Lawton .....	36.2	36.9	36.1	.1	.1	.1	1.0	1.1	1.1
Oklahoma City .....	430.6	440.7	429.5	8.7	8.5	8.7	14.2	14.4	14.3
Tulsa .....	323.5	326.9	324.3	10.3	9.8	9.9	11.6	12.1	12.1
<b>Oregon</b> .....	1,272.3	1,306.5	1,290.3	1.7	1.5	1.5	54.1	51.1	54.4
Eugene-Springfield .....	115.5	120.1	116.6	.2	.2	.2	4.9	4.5	4.9
Medford .....	55.8	58.2	56.0	.1	.1	.1	2.2	2.3	2.3
Portland .....	650.5	661.2	656.7	.6	.5	.5	28.8	26.2	27.8
Salem .....	113.6	114.7	112.9	.1	.1	.1	5.2	5.3	5.5
<b>Pennsylvania</b> .....	5,064.3	5,124.8	5,069.9	23.9	20.8	20.7	212.2	203.5	208.8
Allentown-Bethlehem .....	280.1	286.3	281.5	.5	.5	.5	10.9	10.9	11.1
Altoona .....	54.3	56.5	55.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.6	2.6
Beaver County .....	51.5	51.1	51.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.3	2.4
Erie .....	121.5	125.5	123.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	5.2	5.5
Harrisburg-Lebanon-Carlisle .....	314.9	320.7	318.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.4	13.7	14.5
Johnstown .....	82.9	85.3	83.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.8	5.7	6.0
Lancaster .....	192.5	196.9	196.1	.4	.4	.4	11.2	11.0	11.4
Philadelphia PMSA .....	2,092.5	2,096.0	2,071.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	78.6	73.0	75.0
Philadelphia City .....	698.7	674.7	673.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.3	10.5	10.5
Pittsburgh .....	914.8	922.4	912.5	4.3	3.8	3.7	46.5	43.6	45.0

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>New Mexico</b> .....	40.2	40.5	40.8	27.7	27.8	27.5	144.2	147.5	147.8
Albuquerque .....	20.2	19.3	19.2	11.8	11.8	11.8	61.1	62.1	62.3
Las Cruces .....	2.6	2.5	2.4	1.3	1.4	1.4	9.5	9.6	9.6
Santa Fe .....	1.9	2.0	2.1	1.1	1.0	1.0	13.5	13.9	13.9
<b>New York</b> .....	1,016.3	983.1	973.3	396.5	398.3	388.5	1,566.7	1,577.7	1,560.2
Albany-Schenectady-Troy .....	45.2	45.6	45.2	18.3	16.4	16.1	84.9	87.3	86.5
Binghamton .....	30.3	28.9	28.4	4.4	4.5	4.4	24.3	24.4	24.4
Buffalo .....	70.8	69.5	69.3	20.6	21.4	20.7	112.0	112.1	111.1
Elmira .....	8.5	8.5	8.5	1.3	1.4	1.4	9.8	9.8	9.8
Glens Falls .....	9.5	9.6	9.5	1.7	1.8	1.7	12.1	11.5	12.1
Nassau-Suffolk .....	124.2	121.0	120.0	44.9	47.1	43.9	272.9	272.0	270.2
New York PMSA .....	358.7	352.1	347.7	229.0	228.5	223.1	646.1	649.2	637.7
New York City .....	292.4	289.9	285.9	203.7	202.8	198.3	539.2	542.8	533.3
Niagara Falls .....	20.4	20.1	19.9	4.4	4.7	4.4	19.8	20.1	20.1
Orange County .....	13.0	12.8	12.7	6.3	6.4	6.1	27.8	28.1	27.7
Poughkeepsie .....	23.8	15.9	15.8	3.9	3.8	3.8	20.2	20.1	19.8
Rochester .....	128.8	124.5	124.5	15.4	15.8	14.9	101.7	104.1	103.2
Rockland County .....	14.0	13.4	13.1	5.3	5.6	5.3	20.7	21.1	20.6
Syracuse .....	48.3	46.7	46.4	19.1	18.7	18.7	71.9	72.2	71.5
Utica-Rome .....	20.6	20.9	20.3	4.2	4.3	4.4	26.2	26.6	26.5
Westchester County .....	50.3	46.6	46.4	19.3	19.4	18.6	82.1	81.2	79.6
<b>North Carolina</b> .....	830.7	846.2	845.6	152.8	156.2	155.0	721.1	729.9	731.8
Asheville .....	19.7	20.3	20.5	4.6	4.6	4.7	21.6	21.9	22.0
Charlotte-Gastonia-Rock Hill .....	140.4	145.6	145.9	50.2	50.7	50.8	151.8	153.2	153.1
Greensboro-Winston-Salem-High Point .....	144.4	146.6	146.2	26.9	27.3	27.3	111.9	112.6	112.6
Raleigh-Durham .....	65.8	67.3	67.5	22.5	21.9	21.7	92.1	94.5	94.9
<b>North Dakota</b> .....	18.5	19.4	19.5	17.5	17.6	17.5	73.9	75.1	74.9
Bismarck .....	2.3	2.3	2.4	3.1	3.2	3.3	10.9	11.1	11.0
Fargo-Moorhead .....	6.0	5.8	6.0	4.7	4.8	4.8	24.0	25.0	24.9
Grand Forks .....	1.6	1.8	1.8	1.7	1.7	1.7	9.4	9.4	9.3
<b>Ohio</b> .....	1,050.1	1,045.4	1,038.9	213.3	210.2	210.5	1,168.3	1,173.9	1,171.0
Akron .....	60.9	63.1	62.6	13.2	13.3	13.3	69.8	69.9	70.0
Canton .....	43.3	42.7	43.2	5.7	5.5	5.7	41.8	41.9	41.8
Cincinnati .....	141.5	140.1	140.0	40.2	40.3	40.1	190.4	193.7	193.7
Cleveland .....	188.4	182.9	182.3	39.1	38.0	38.0	219.6	220.5	219.5
Columbus .....	101.1	100.1	99.8	31.4	30.9	31.0	183.5	186.3	185.8
Dayton-Springfield .....	95.5	93.6	93.5	17.8	17.9	17.9	102.0	102.2	102.7
Toledo .....	53.5	54.8	50.5	14.0	14.5	14.2	69.6	70.8	70.7
Youngstown-Warren .....	45.4	44.7	44.8	7.0	6.9	6.8	53.5	52.7	52.8
<b>Oklahoma</b> .....	164.5	164.2	164.8	70.4	69.0	69.1	285.8	291.8	292.9
Enid .....	1.5	1.5	1.5	2.2	2.2	2.2	6.2	6.1	6.3
Lawton .....	3.4	3.4	3.4	1.9	1.9	2.0	8.4	8.6	8.7
Oklahoma City .....	47.3	48.2	48.0	21.4	21.6	21.3	104.7	105.9	105.7
Tulsa .....	53.4	53.2	53.1	26.2	25.6	25.6	77.1	77.1	77.6
<b>Oregon</b> .....	215.8	208.8	212.2	65.1	65.2	64.9	323.0	325.7	328.1
Eugene-Springfield .....	18.1	17.9	18.0	4.4	4.5	4.4	30.3	30.2	30.2
Medford .....	9.2	8.4	8.5	2.8	2.9	2.9	16.1	16.4	16.2
Portland .....	103.4	102.8	102.4	38.8	38.2	38.3	168.0	169.7	170.6
Salem .....	19.0	15.2	16.3	3.3	3.6	3.5	25.0	25.3	25.5
<b>Pennsylvania</b> .....	950.5	933.1	926.8	256.3	267.7	258.6	1,157.2	1,174.2	1,167.0
Allentown-Bethlehem .....	69.5	69.0	68.1	13.8	14.2	13.8	61.2	61.5	60.9
Altoona .....	9.7	9.8	9.6	4.8	5.1	5.1	14.2	14.2	14.4
Beaver County .....	9.6	9.5	9.6	4.7	4.7	4.7	11.6	11.4	11.5
Erie .....	34.5	35.3	34.4	4.3	4.2	4.3	26.6	26.9	26.9
Harrisburg-Lebanon-Carlisle .....	47.1	47.3	47.2	19.5	20.2	19.6	69.6	70.3	70.0
Johnstown .....	13.6	12.4	12.1	4.8	5.6	5.1	18.7	20.3	20.3
Lancaster .....	55.9	55.3	55.8	7.4	7.8	7.5	49.5	49.9	49.9
Philadelphia PMSA .....	311.9	308.6	305.5	96.3	100.0	97.8	467.0	465.0	459.3
Philadelphia City .....	68.4	65.8	65.5	36.8	38.5	38.3	120.2	115.5	113.8
Pittsburgh .....	111.3	109.3	109.0	54.9	56.5	54.8	225.7	225.5	226.2

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>New Mexico</b> .....	27.1	27.2	27.5	162.8	166.9	168.6	147.8	155.1	151.7
Albuquerque .....	14.4	14.8	14.9	83.3	84.7	85.5	49.7	52.4	52.2
Las Cruces .....	1.7	1.7	1.7	8.4	8.3	8.2	16.5	18.4	16.0
Santa Fe .....	2.7	2.9	2.9	18.6	19.0	19.2	24.3	24.8	24.9
<b>New York</b> .....	743.4	736.5	737.8	2,343.5	2,390.7	2,372.9	1,408.1	1,437.9	1,392.5
Albany-Schenectady-Troy .....	27.6	27.5	27.4	123.5	122.2	123.0	108.8	113.0	108.1
Binghamton .....	4.1	4.1	4.1	26.2	26.3	26.2	18.4	20.5	18.4
Buffalo .....	27.2	26.9	26.9	126.3	129.7	128.2	74.6	75.0	72.8
Elmira .....	1.4	1.4	1.4	10.8	10.7	10.5	6.5	7.1	6.5
Glens Falls .....	1.7	1.7	1.7	15.2	14.1	15.5	8.6	9.7	8.7
Nassau-Suffolk .....	81.2	80.1	79.6	315.8	319.6	319.4	166.3	178.5	162.9
New York PMSA .....	515.0	507.3	509.2	1,238.5	1,263.8	1,249.7	680.5	662.7	662.3
New York City .....	479.8	472.4	474.3	1,077.8	1,105.0	1,089.9	598.9	578.9	581.5
Niagara Falls .....	2.1	2.2	2.2	18.0	18.1	18.0	12.8	13.3	13.2
Orange County .....	6.0	6.1	6.2	26.3	26.2	26.5	23.6	24.7	23.3
Poughkeepsie .....	4.7	4.6	4.6	28.5	28.7	28.9	21.0	22.8	20.8
Rochester .....	23.4	22.8	22.8	128.9	132.9	131.5	64.5	71.1	64.3
Rockland County .....	5.0	4.9	4.9	28.4	27.5	28.3	19.8	20.8	19.8
Syracuse .....	19.6	18.6	18.6	80.7	82.2	81.4	52.1	53.5	51.6
Utica-Rome .....	8.2	8.4	8.5	30.7	30.4	30.8	30.4	30.8	30.0
Westchester County .....	29.3	29.1	29.1	126.4	125.7	125.7	58.1	58.9	57.1
<b>North Carolina</b> .....	136.5	140.1	140.8	650.0	685.1	687.9	468.8	521.6	472.8
Asheville .....	2.7	2.7	2.7	25.6	26.2	26.5	12.0	14.0	12.7
Charlotte-Gastonia-Rock Hill .....	39.2	39.5	39.7	133.1	139.6	139.1	65.0	76.9	68.0
Greensboro-Winston-Salem-High Point .....	25.7	26.4	26.4	112.5	118.2	117.8	49.2	58.9	51.0
Raleigh-Durham .....	23.5	23.8	23.8	130.0	137.5	138.5	93.3	103.5	97.3
<b>North Dakota</b> .....	13.0	13.4	13.5	74.1	76.3	76.1	63.4	66.1	64.0
Bismarck .....	1.8	1.9	1.9	13.0	13.1	13.0	9.3	9.2	9.1
Fargo-Moorhead .....	5.0	5.1	5.1	23.0	23.4	23.5	13.3	14.6	13.6
Grand Forks .....	1.2	1.3	1.3	7.9	8.0	8.1	8.3	8.7	8.5
<b>Ohio</b> .....	260.0	260.1	260.9	1,249.2	1,282.2	1,278.5	686.7	733.2	686.0
Akron .....	11.8	11.9	12.0	77.3	81.5	81.8	38.9	39.1	39.0
Canton .....	6.7	6.8	6.9	43.1	43.9	44.0	18.1	19.0	18.2
Cincinnati .....	44.2	43.8	44.0	202.5	211.6	211.7	90.5	96.1	90.2
Cleveland .....	61.3	60.8	61.5	263.2	271.2	270.7	114.9	122.7	114.0
Columbus .....	60.1	60.2	60.7	192.0	194.5	194.4	126.6	137.8	127.7
Dayton-Springfield .....	17.8	17.5	17.8	118.8	124.6	123.8	72.6	74.0	70.0
Toledo .....	11.4	11.1	11.1	79.7	82.6	82.2	39.1	42.9	39.1
Youngstown-Warren .....	9.3	9.2	9.3	51.0	51.0	51.0	21.7	24.8	22.0
<b>Oklahoma</b> .....	61.3	61.1	60.8	290.8	299.5	299.8	255.8	266.3	255.9
Enid .....	1.0	1.1	1.1	5.7	5.9	5.8	3.2	4.2	4.2
Lawton .....	1.8	1.8	1.8	7.9	8.2	8.2	11.7	11.8	10.8
Oklahoma City .....	25.4	25.7	25.8	111.3	113.9	113.7	97.6	102.5	92.0
Tulsa .....	17.7	17.7	17.6	89.1	89.1	88.6	38.1	42.3	39.8
<b>Oregon</b> .....	87.5	88.9	90.4	311.5	324.1	324.0	213.6	241.2	214.8
Eugene-Springfield .....	6.2	6.4	6.5	29.4	30.6	30.4	22.0	25.8	22.0
Medford .....	2.7	2.8	2.8	14.0	14.7	14.4	8.7	10.6	8.8
Portland .....	56.5	57.1	57.5	170.3	174.3	174.1	84.1	92.6	85.5
Salem .....	6.1	6.3	6.3	24.9	25.5	25.4	30.0	33.4	30.3
<b>Pennsylvania</b> .....	304.7	304.5	305.1	1,490.9	1,521.9	1,518.6	668.6	699.1	664.3
Allentown-Bethlehem .....	14.7	14.7	14.7	79.1	81.7	81.6	30.4	33.8	30.8
Altoona .....	2.3	2.4	2.4	13.7	14.4	14.3	7.1	8.0	7.2
Beaver County .....	1.8	1.7	1.8	13.5	13.7	13.7	7.6	7.8	7.5
Erie .....	5.7	5.8	5.8	32.9	34.3	34.0	12.7	13.8	13.0
Harrisburg-Lebanon-Carlisle .....	22.3	22.5	22.5	76.6	77.3	77.0	66.4	69.4	67.6
Johnstown .....	4.3	4.4	4.4	22.7	23.5	23.5	12.2	13.4	12.2
Lancaster .....	9.2	9.5	9.6	43.7	45.3	45.5	15.2	17.7	16.0
Philadelphia PMSA .....	159.4	158.6	158.6	680.0	692.5	686.9	299.3	298.3	288.3
Philadelphia City .....	60.5	57.6	57.9	259.3	256.3	255.2	142.2	130.5	132.2
Pittsburgh .....	55.8	55.7	55.8	319.8	322.0	320.6	96.5	106.0	97.4

See footnotes at end of table.

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

**B-9. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P	July 1992	June 1993	July 1993P
<b>Pennsylvania—Continued</b>									
Reading .....	150.8	152.7	150.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	6.4	7.0
Scranton—Wilkes-Barre .....	302.5	305.3	304.0	0.6	0.6	0.6	12.3	11.8	12.1
Sharon .....	44.2	41.3	41.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.2	1.2
State College .....	58.6	58.7	59.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.6	2.8
Williamsport .....	50.6	50.5	50.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.3	2.4
York .....	179.1	186.5	185.5	.5	.5	.5	9.3	9.7	10.0
<b>Rhode Island</b> .....	416.7	428.4	417.2	.2	.3	.3	13.3	14.5	14.5
Pawtucket—Woonsocket—Attleboro .....	118.4	124.0	119.1	.1	.2	.2	3.7	5.5	5.7
Providence .....	292.6	303.6	295.0	.1	.1	.1	9.5	10.5	10.5
<b>South Carolina</b> .....	1,518.2	1,570.1	1,550.5	1.8	1.9	1.9	81.9	81.9	82.8
Charleston .....	203.2	206.3	204.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.3	12.9	12.8
Columbia .....	240.7	245.5	242.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.8	12.4	12.6
Greenville—Spartanburg .....	325.3	334.7	330.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.6	20.4	20.8
<b>South Dakota</b> .....	309.7	323.1	317.2	2.8	2.7	2.8	14.7	14.9	15.3
Rapid City .....	43.0	43.5	43.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	2.9	2.9
Sioux Falls .....	82.6	84.8	83.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	4.7	5.1
<b>Tennessee</b> .....	2,230.3	2,277.7	2,261.2	5.1	4.7	4.7	89.1	91.5	92.3
Chattanooga .....	203.9	207.5	205.7	.6	.6	.6	6.5	6.4	6.4
Johnson City—Kingsport—Bristol .....	175.9	174.2	172.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	8.3	8.3
Knoxville .....	285.7	293.6	292.2	1.2	1.2	1.2	13.1	14.5	15.2
Memphis .....	479.2	486.0	487.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	17.7	17.9	18.1
Nashville .....	513.7	531.5	528.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.3	20.7	20.9
<b>Texas</b> .....	7,277.1	7,436.1	7,399.6	170.6	167.4	168.3	352.6	355.8	357.3
Abilene .....	48.9	49.9	49.8	1.3	1.3	1.4	1.6	1.8	1.8
Amarillo .....	79.8	81.7	81.6	.9	.8	.8	3.1	3.3	3.4
Austin .....	398.8	419.2	412.1	.8	.8	.8	14.8	16.1	16.2
Beaumont—Port Arthur .....	150.6	152.7	152.1	1.2	1.1	1.1	16.5	14.5	14.4
Brazoria .....	68.5	67.5	67.4	1.2	1.2	1.2	9.0	7.6	7.6
Brownsville—Harlingen .....	61.4	63.4	63.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.6	2.5
Bryan—College Station .....	55.4	58.4	58.0	.7	.7	.7	2.0	2.0	2.1
Corpus Christi .....	138.5	137.7	137.5	3.0	2.8	2.8	11.3	11.5	11.5
Dallas .....	1,393.1	1,423.4	1,421.7	17.4	16.9	16.8	49.5	51.8	53.4
El Paso .....	218.4	223.2	222.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	8.6	8.5
Ft. Worth—Arlington .....	596.4	604.8	600.7	4.3	4.4	4.4	22.0	21.0	21.5
Galveston—Texas City .....	81.4	85.0	84.5	.9	.8	.8	5.3	5.0	5.0
Houston .....	1,629.8	1,642.4	1,636.6	68.5	66.7	67.1	111.6	107.0	106.1
Killeen—Temple .....	77.9	82.5	81.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.9	3.3	3.4
Laredo .....	50.2	51.8	51.9	1.9	2.0	2.0	1.7	1.7	1.7
Longview—Marshall .....	70.8	70.2	70.3	3.4	3.3	3.3	3.8	2.9	3.0
Lubbock .....	98.6	98.8	98.6	.2	.2	.2	3.4	3.6	3.7
McAllen—Edinburg—Mission .....	103.9	108.7	107.7	.8	.9	.9	4.3	4.5	4.5
Midland .....	45.8	45.7	45.4	9.0	9.0	9.0	1.5	1.6	1.6
Odessa .....	43.5	44.2	43.8	4.8	4.5	4.6	2.6	2.7	2.6
San Angelo .....	37.8	38.6	38.4	.5	.6	.6	1.2	1.4	1.5
San Antonio .....	545.1	565.4	562.3	1.6	1.5	1.5	23.9	24.9	25.2
Sherman—Denison .....	36.8	36.4	36.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.5	1.5
Texarkana .....	46.7	48.0	47.5	.1	.1	.1	1.5	1.9	2.0
Tyler .....	64.9	65.7	65.7	1.5	1.5	1.5	2.2	2.3	2.3
Victoria .....	31.2	32.9	32.9	1.3	1.5	1.6	2.3	2.4	2.5
Waco .....	61.8	63.2	63.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.3	3.5	3.6
Wichita Falls .....	49.5	49.9	49.7	1.4	1.4	1.4	1.5	1.6	1.7

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	43.7	42.4	41.8	6.2	6.4	6.1	34.7	34.9	34.7
Scranton-Wilkes-Barre .....	64.8	63.4	63.3	16.2	16.8	16.2	73.9	74.4	74.2
Sharon .....	11.9	9.6	9.7	1.9	1.8	1.8	10.8	10.6	10.7
State College .....	8.6	8.7	8.8	1.7	1.8	1.8	11.8	11.7	11.7
Williamsport .....	14.6	14.1	14.0	1.8	1.8	1.8	11.5	11.5	11.4
York .....	54.6	54.8	55.0	8.9	9.5	8.9	46.2	47.3	47.3
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	85.2	89.0	84.3	14.1	15.2	14.2	92.4	92.5	92.8
Providence .....	40.1	41.2	38.9	3.6	3.4	3.3	30.0	30.5	29.7
	53.6	56.1	52.8	10.3	11.0	10.5	61.8	62.6	62.3
<b>South Carolina</b>									
Charleston .....	367.3	368.6	366.3	64.8	64.6	64.6	350.1	364.5	364.5
Columbia .....	20.3	20.2	20.1	10.6	10.7	11.1	50.3	50.7	50.4
Greenville-Spartanburg .....	26.1	26.3	26.3	10.9	11.0	11.1	54.2	56.1	56.0
	95.1	95.8	95.4	14.0	14.0	14.0	78.2	78.4	78.4
<b>South Dakota</b>									
Rapid City .....	37.4	40.2	40.3	14.5	14.8	14.8	81.8	82.8	82.8
Sioux Falls .....	4.4	4.6	4.6	1.8	2.0	2.0	13.0	12.8	13.0
	10.3	10.3	10.3	5.4	5.5	5.5	22.8	22.8	22.7
<b>Tennessee</b>									
Chattanooga .....	515.4	519.9	513.5	120.1	122.8	122.7	521.0	530.9	531.5
Johnson City-Kingsport-Bristol .....	43.5	44.9	45.1	7.6	7.4	7.4	48.4	48.5	48.6
Knoxville .....	54.8	53.3	53.4	6.2	6.4	6.3	40.6	40.1	40.5
Memphis .....	50.5	51.3	50.9	10.2	10.3	10.3	75.0	74.2	74.5
Nashville .....	60.9	59.9	59.9	47.5	49.3	49.1	127.2	128.5	128.5
	90.3	92.0	91.3	30.8	31.3	31.3	126.7	128.9	129.0
<b>Texas</b>									
Ablene .....	973.8	985.3	984.8	438.7	440.6	442.1	1,759.6	1,788.1	1,792.0
Amarillo .....	4.4	4.0	4.0	2.7	2.7	2.7	12.9	13.0	13.0
Austin .....	8.9	9.1	9.1	5.5	5.6	5.6	22.3	22.0	22.1
Beaumont-Port Arthur .....	52.9	55.3	55.3	13.5	13.8	13.7	83.4	85.9	86.3
Brazoria .....	26.2	25.9	25.7	9.4	9.5	9.5	34.0	34.7	35.0
Brownsville-Harlingen .....	17.7	17.7	17.7	2.7	2.5	2.6	12.9	13.2	13.2
Bryan-College Station .....	12.0	12.7	12.7	4.0	3.7	3.8	22.5	22.6	22.7
Corpus Christi .....	4.0	4.2	4.0	1.3	1.3	1.3	12.0	12.8	13.1
Dallas .....	13.3	13.5	13.4	6.9	6.8	6.7	33.0	32.8	32.9
El Paso .....	209.5	210.0	210.2	86.6	88.0	88.5	355.1	361.8	362.3
Ft. Worth-Arlington .....	44.0	45.9	45.5	11.2	11.3	11.2	54.0	54.4	54.3
Galveston-Texas City .....	100.3	100.9	100.4	62.6	61.6	61.6	151.3	150.2	150.0
Houston .....	8.6	8.5	8.5	4.9	4.8	4.9	17.4	18.2	18.1
Killeen-Temple .....	177.0	174.5	174.9	111.7	111.0	111.3	385.0	385.7	386.9
Laredo .....	8.7	9.1	9.2	2.7	2.6	2.6	17.6	18.7	18.8
Longview-Marshall .....	2.0	1.9	1.9	7.7	8.0	8.0	15.6	16.4	16.5
Lubbock .....	16.2	15.1	15.4	3.6	3.5	3.4	17.1	18.0	18.1
McAllen-Edinburg-Mission .....	7.3	7.3	7.3	5.4	5.7	5.7	27.4	26.7	26.8
Midland .....	12.2	12.7	12.6	3.4	3.7	3.7	32.0	33.7	33.8
Odessa .....	2.4	2.2	2.1	2.4	2.3	2.4	10.8	10.9	10.8
San Angelo .....	4.2	4.4	4.4	2.1	2.1	2.1	12.5	12.4	12.6
San Antonio .....	5.1	5.0	5.1	2.7	2.6	2.6	9.0	9.3	9.3
Sherman-Denison .....	45.9	46.2	46.3	24.3	25.7	25.7	136.4	140.9	142.0
Texarkana .....	9.8	9.9	10.0	1.6	1.5	1.5	8.2	8.0	8.0
Tyler .....	6.1	6.1	5.9	2.1	2.1	2.1	11.2	11.8	11.7
Victoria .....	11.8	11.6	11.6	3.0	2.8	2.8	16.5	16.7	16.8
Waco .....	3.0	3.2	3.2	1.5	1.5	1.5	8.4	8.6	8.5
Wichita Falls .....	14.9	15.2	15.1	3.3	3.2	3.3	19.2	19.6	19.8
	7.7	7.6	7.7	2.7	2.6	2.6	11.8	12.0	11.9

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	9.1	9.1	9.2	34.4	35.4	35.2	15.6	18.1	16.4
Scranton—Wilkes—Barre .....	13.6	13.5	13.5	81.3	83.3	83.9	39.8	41.5	40.2
Sharon .....	1.6	1.6	1.6	11.7	11.6	11.6	4.8	4.9	4.6
State College .....	1.9	1.8	1.9	11.7	11.5	11.7	20.2	20.6	20.6
Williamsport .....	2.4	2.4	2.4	12.0	12.1	12.1	5.9	6.3	6.1
York .....	5.7	5.8	5.9	38.3	40.0	40.4	17.6	18.9	17.5
<b>Rhode Island</b>									
Pawtucket—Woonsocket—Attleboro .....	3.5	2.8	2.8	27.5	28.9	28.6	9.9	11.5	9.9
Providence .....	20.8	21.1	20.9	93.8	95.0	94.1	42.7	47.2	43.8
<b>South Carolina</b>									
Charleston .....	8.0	8.1	8.2	49.1	50.0	49.6	52.6	53.7	52.7
Columbia .....	18.6	18.0	17.9	52.2	54.6	53.4	65.9	67.1	64.8
Greenville—Spartanburg .....	12.4	13.3	13.4	67.6	70.7	70.4	38.4	42.1	38.5
<b>South Dakota</b>									
Rapid City .....	1.5	1.6	1.5	12.5	12.1	12.3	6.9	7.5	7.1
Sioux Falls .....	8.7	8.8	8.8	23.0	23.8	23.4	7.6	8.9	7.8
<b>Tennessee</b>									
Chattanooga .....	13.4	13.5	13.5	50.0	51.2	51.1	33.9	35.0	33.0
Johnson City—Kingsport—Bristol .....	5.5	5.7	5.7	37.7	35.1	34.9	23.1	25.3	23.6
Knoxville .....	10.2	10.2	10.5	75.6	76.6	77.0	49.9	55.3	52.6
Memphis .....	25.0	25.6	25.8	128.4	129.4	129.7	72.5	75.4	76.7
Nashville .....	30.7	30.6	30.5	153.1	161.5	161.8	61.8	66.5	63.8
<b>Texas</b>									
Abilene .....	2.0	1.9	1.9	15.2	15.4	15.6	8.8	9.8	9.4
Amarillo .....	4.1	4.2	4.2	19.9	21.3	21.5	15.1	15.4	14.9
Austin .....	23.9	24.3	24.6	108.8	112.6	112.7	100.9	110.4	102.5
Beaumont—Port Arthur .....	4.7	4.9	4.8	37.9	39.2	39.5	20.7	22.9	22.1
Brazoria .....	1.8	1.8	1.8	11.5	11.5	11.4	11.7	12.0	11.9
Brownsville—Harlingen .....	3.4	3.3	3.4	19.3	19.5	20.0	17.8	19.0	18.2
Bryan—College Station .....	1.9	2.2	2.3	11.3	11.6	11.4	22.2	21.6	23.1
Corpus Christi .....	6.1	6.1	6.0	34.7	35.2	35.0	30.2	29.0	29.2
Dallas .....	122.8	121.9	122.1	391.0	403.3	404.0	161.2	169.7	164.4
El Paso .....	8.2	8.5	8.3	47.1	47.5	47.4	45.4	47.0	46.8
Ft. Worth—Arlington .....	28.5	27.7	27.8	151.8	156.8	157.6	75.6	82.2	77.4
Galveston—Texas City .....	5.6	5.7	5.7	15.2	17.4	17.6	23.5	24.6	23.9
Houston .....	97.3	97.7	97.7	468.2	472.2	472.6	210.5	227.6	220.0
Killeen—Temple .....	3.3	3.6	3.8	19.7	20.7	20.6	23.0	24.5	23.8
Laredo .....	1.9	2.0	2.0	8.5	8.9	8.9	10.9	10.9	10.9
Longview—Marshall .....	2.5	2.6	2.6	15.3	15.6	15.8	8.9	9.2	8.9
Lubbock .....	4.7	4.3	4.3	27.2	27.1	27.4	23.0	23.9	23.2
McAllen—Edinburg—Mission .....	3.8	3.8	3.9	19.1	19.6	19.4	28.3	29.8	28.9
Midland .....	2.3	2.3	2.3	10.3	10.3	10.2	7.1	7.1	7.0
Odessa .....	1.4	1.3	1.3	8.4	8.5	8.6	7.5	8.3	7.6
San Angelo .....	1.6	1.7	1.7	10.4	10.7	10.6	7.3	7.3	7.0
San Antonio .....	39.0	39.3	39.5	157.9	164.5	165.0	116.1	122.4	117.1
Sherman—Denison .....	2.1	2.0	2.0	9.1	8.9	8.9	4.3	4.6	4.4
Texarkana .....	1.8	1.8	1.8	12.4	12.5	12.5	11.5	11.7	11.4
Tyler .....	3.0	2.9	2.9	17.4	17.3	17.5	9.5	10.6	10.3
Victoria .....	1.5	1.5	1.5	7.9	7.9	8.0	5.3	6.3	6.1
Waco .....	5.1	5.3	5.3	22.5	22.7	22.4	13.5	13.7	13.7
Wichita Falls .....	2.2	2.2	2.2	12.5	12.5	12.5	9.7	10.0	9.7

See footnotes at end of table.



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

**B-9. Employees on nonfarm payrolls in States and selected areas by major industry—Continued**

(In thousands)

State and area	Total			Mining			Construction		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Utah</b> .....	762.9	807.9	799.9	8.4	8.7	8.9	37.7	41.0	42.6
Provo-Orem .....	99.1	104.8	104.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.6	5.8	6.0
Salt Lake City-Ogden .....	520.4	549.9	546.3	3.1	3.0	3.0	24.4	27.3	28.4
<b>Vermont</b> .....	247.1	250.2	247.9	.5	.7	.6	13.0	12.7	13.3
Barre-Montpelier .....	32.5	33.5	32.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.6	1.7
Burlington .....	76.3	76.8	75.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.8	3.9
<b>Virginia</b> .....	2,839.3	2,883.2	2,857.2	13.6	13.4	13.4	152.2	150.0	153.2
Bristol .....	33.3	33.8	33.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.2	1.2
Charlottesville .....	67.8	70.1	69.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.7	3.8
Danville .....	40.2	41.4	40.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	2.0
Lynchburg .....	76.3	76.0	76.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.3	3.3
Norfolk-Virginia Beach-Newport News .....	587.2	596.3	592.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	31.2	32.0	32.2
Northern Virginia .....	764.2	775.4	771.6	.4	.4	.4	38.3	37.8	38.6
Richmond-Petersburg .....	462.8	471.8	465.8	.7	.8	.8	27.6	27.5	27.5
Roanoke .....	125.6	128.0	126.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.9	6.5	6.7
<b>Washington</b> .....	2,217.5	2,261.5	2,233.3	3.5	3.2	3.3	125.7	124.6	128.3
Seattle .....	1,123.4	1,140.9	1,128.6	.6	.6	.6	63.8	59.9	62.2
<b>West Virginia</b> .....	650.0	654.0	657.4	31.2	26.8	25.4	30.2	31.6	33.2
Charleston .....	115.0	117.2	118.1	1.9	1.5	1.5	5.6	6.1	6.3
Huntington-Ashland .....	111.6	111.4	110.6	1.7	1.6	1.6	5.5	5.5	5.7
Parkersburg-Marion .....	63.7	63.8	64.1	.4	.4	.4	3.3	3.1	3.1
Wheeling .....	81.2	80.2	80.2	2.0	1.3	1.1	2.3	2.4	2.4
<b>Wisconsin</b> .....	2,366.4	2,425.3	2,405.6	2.6	2.7	2.7	101.1	109.2	112.3
Appleton-Oshkosh-Neenah .....	170.9	176.2	176.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.7	10.6	10.9
Eau Claire .....	59.0	60.1	60.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.5	2.7
Green Bay .....	112.6	116.2	115.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.1	6.9	7.2
Janesville-Beloit .....	59.6	60.7	60.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.5	2.6
Kenosha .....	44.3	46.1	45.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.1	2.1
La Crosse .....	55.3	57.2	56.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.8	2.7
Madison .....	234.1	240.6	240.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.1	11.8	12.3
Milwaukee .....	761.7	780.0	769.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	29.5	29.9	30.4
Racine .....	75.8	77.4	76.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	3.6	3.6
Sheboygan .....	53.6	54.8	54.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.6
Wausau .....	54.7	56.3	56.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.6	2.8
<b>Wyoming</b> .....	208.4	217.1	210.8	17.8	17.7	18.1	12.6	12.5	12.6
Casper .....	28.1	29.0	28.5	2.2	2.3	2.4	1.6	1.6	1.7
<b>Puerto Rico</b> .....	864.4	843.8	( <sup>2</sup> )	.9	.9	( <sup>2</sup> )	49.2	46.1	( <sup>2</sup> )
Caguas .....	56.9	56.3	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.4	( <sup>2</sup> )
Mayaguez .....	60.8	55.9	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	2.5	( <sup>2</sup> )
Ponce .....	56.6	57.3	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.2	3.6	( <sup>2</sup> )
San Juan .....	520.8	512.9	( <sup>2</sup> )	.5	.5	( <sup>2</sup> )	34.9	32.0	( <sup>2</sup> )
<b>Virgin Islands</b> .....	45.2	45.9	48.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	5.1	5.0

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Utah</b> .....	105.9	107.9	107.7	44.3	46.1	46.3	184.7	192.6	191.6
Provo-Orem .....	13.6	13.2	13.0	2.0	2.0	2.0	23.3	24.3	24.3
Salt Lake City-Ogden .....	69.5	70.9	71.3	34.8	36.7	36.9	127.9	133.2	132.7
<b>Vermont</b> .....	43.4	43.8	42.9	11.1	11.1	10.6	58.8	58.4	59.0
Barre-Montpelier .....	4.5	4.9	4.8	.9	.8	.8	7.3	7.1	7.1
Burlington .....	14.6	14.0	13.6	3.6	3.6	3.8	18.2	17.8	17.9
<b>Virginia</b> .....	406.3	404.0	402.2	147.4	145.6	145.1	638.2	635.8	634.5
Bristol .....	10.8	10.0	10.0	1.2	1.2	1.2	8.6	8.6	8.7
Charlottesville .....	8.0	7.8	7.5	2.4	2.3	2.3	13.5	14.0	14.0
Danville .....	15.0	15.0	15.0	1.0	1.1	1.1	8.5	8.5	8.5
Lynchburg .....	22.9	23.0	22.7	2.8	2.7	2.7	16.9	16.9	17.0
Norfolk-Virginia Beach-Newport News .....	63.2	62.3	61.8	28.0	28.4	28.6	140.7	139.7	139.9
Northern Virginia .....	32.8	31.5	31.5	49.8	48.5	48.0	168.0	166.4	165.9
Richmond-Petersburg .....	62.3	61.0	60.8	23.0	22.5	22.4	107.2	110.1	109.5
Roanoke .....	18.8	18.7	18.7	8.3	8.3	8.2	34.1	33.7	33.4
<b>Washington</b> .....	350.3	341.0	339.4	115.0	112.1	112.1	544.5	550.8	553.0
Seattle .....	212.1	203.9	202.8	70.3	68.5	68.1	266.5	271.6	271.7
<b>West Virginia</b> .....	82.7	83.4	82.8	38.4	38.8	39.0	146.9	150.1	150.9
Charleston .....	10.5	10.6	10.6	8.8	8.9	8.9	28.3	28.8	29.0
Huntington-Ashland .....	19.7	18.4	18.1	7.3	7.0	6.9	28.1	28.0	26.2
Parkersburg-Marietta .....	13.7	13.4	13.6	2.6	2.5	2.5	15.2	15.6	15.6
Wheeling .....	6.7	6.7	6.6	3.9	3.5	3.6	15.4	15.4	15.4
<b>Wisconsin</b> .....	556.9	553.2	560.2	107.8	113.2	108.8	554.8	559.2	558.1
Appleton-Oshkosh-Neenah .....	57.4	56.3	56.9	7.1	7.6	7.6	34.7	35.3	35.3
Eau Claire .....	10.7	10.1	10.1	3.2	3.2	3.3	16.1	16.7	16.6
Green Bay .....	24.9	25.0	25.7	8.0	8.4	8.4	28.6	27.2	26.8
Janesville-Beloit .....	18.6	17.7	17.8	2.1	2.3	2.2	14.3	14.5	14.4
Kenosha .....	9.3	9.7	8.9	1.8	1.4	1.3	13.4	14.3	14.5
La Crosse .....	10.1	10.4	10.4	2.4	2.5	2.4	15.4	15.7	15.6
Madison .....	25.8	26.7	26.7	8.0	8.2	8.0	50.4	50.9	50.9
Milwaukee .....	165.8	165.4	165.6	35.2	37.3	35.5	170.9	174.7	174.6
Racine .....	24.4	24.6	23.7	2.5	2.5	2.5	16.8	17.0	16.8
Sheboygan .....	21.3	21.4	21.6	1.7	1.5	1.5	10.2	10.4	10.3
Wausau .....	16.1	16.2	16.4	3.4	3.3	3.3	12.8	13.2	13.2
<b>Wyoming</b> .....	9.2	9.2	9.3	14.3	14.6	14.6	49.5	50.0	50.4
Casper .....	1.6	1.5	1.6	1.7	1.6	1.6	8.1	8.2	8.1
<b>Puerto Rico</b> .....	149.8	148.1	( <sup>1</sup> )	21.7	21.5	( <sup>1</sup> )	154.8	155.0	( <sup>1</sup> )
Caguas .....	15.8	14.5	( <sup>1</sup> )	.5	.4	( <sup>1</sup> )	11.5	12.1	( <sup>1</sup> )
Mayaguez .....	17.2	17.4	( <sup>1</sup> )	.4	.5	( <sup>1</sup> )	9.8	9.7	( <sup>1</sup> )
Ponce .....	9.9	10.4	( <sup>1</sup> )	1.9	1.6	( <sup>1</sup> )	9.2	9.4	( <sup>1</sup> )
San Juan .....	62.8	62.1	( <sup>1</sup> )	17.4	17.5	( <sup>1</sup> )	103.5	105.9	( <sup>1</sup> )
<b>Virgin Islands</b> .....	2.9	2.9	2.9	2.5	2.6	2.5	9.8	9.8	9.6

See footnotes at end of table.

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

**B-9. 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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Utah</b> .....	37.4	39.7	40.0	197.4	210.9	212.8	147.1	161.0	150.0
Provo-Orem .....	2.6	2.8	2.8	38.1	40.7	41.5	13.9	16.0	14.5
Salt Lake City-Ogden .....	30.9	32.6	32.8	131.7	140.2	140.7	98.1	106.0	100.5
<b>Vermont</b> .....	12.1	11.8	11.8	70.6	68.7	72.3	37.6	43.0	37.4
Barre-Montpelier .....	2.7	2.7	2.7	8.6	8.3	8.6	7.0	8.1	6.9
Burlington .....	4.1	4.1	4.2	21.2	21.2	21.7	10.7	12.1	10.8
<b>Virginia</b> .....	150.8	152.1	152.3	765.8	787.9	784.4	565.0	594.4	572.1
Bristol .....	1.1	1.2	1.2	5.7	6.0	5.9	5.0	5.6	5.1
Charlottesville .....	3.8	3.9	3.9	15.9	16.7	16.7	20.4	21.7	21.4
Danville .....	1.2	1.2	1.2	7.7	7.8	7.6	4.9	5.9	4.9
Lynchburg .....	3.6	3.7	3.8	17.2	18.6	17.8	9.5	9.8	9.5
Norfolk-Virginia Beach-Newport News .....	26.2	26.8	27.0	183.5	166.8	166.9	134.4	140.3	135.7
Northern Virginia .....	48.6	49.3	49.1	272.2	282.2	281.3	154.3	159.3	156.8
Richmond-Petersburg .....	38.6	39.3	39.5	110.3	113.3	111.8	93.1	97.3	93.5
Roanoke .....	8.9	8.6	8.7	33.1	35.1	34.6	15.5	17.1	16.2
<b>Washington</b> .....	120.5	118.1	118.8	556.7	574.0	571.8	401.3	437.7	406.6
Seattle .....	74.3	73.7	73.6	288.9	297.7	293.9	148.9	165.0	155.7
<b>West Virginia</b> .....	24.9	25.2	25.3	159.2	165.7	165.1	136.5	132.4	135.7
Charleston .....	6.3	6.5	6.5	32.1	33.6	33.7	21.5	21.2	21.6
Huntington-Ashland .....	3.8	3.7	3.6	26.8	28.0	27.7	18.7	19.2	18.8
Parkersburg-Marietta .....	2.4	2.4	2.4	15.5	15.8	15.6	10.6	10.8	10.9
Wheeling .....	3.0	3.1	3.1	18.0	18.2	18.2	9.9	9.6	9.8
<b>Wisconsin</b> .....	128.3	131.0	131.5	581.6	594.1	596.6	333.2	362.6	335.4
Appleton-Oshkosh-Neenah .....	8.6	8.8	8.8	36.6	38.0	38.2	18.8	19.7	18.2
Eau Claire .....	2.1	2.0	2.0	14.3	14.9	14.9	10.3	10.5	10.9
Green Bay .....	6.8	7.4	7.5	27.8	28.5	28.1	11.4	12.9	11.3
Janesville-Beloit .....	1.7	1.7	1.8	13.5	14.3	14.1	7.2	7.7	7.2
Kenosha .....	1.5	1.5	1.5	10.6	10.6	10.7	6.1	6.5	6.2
La Crosse .....	1.9	1.9	1.9	16.0	16.6	16.5	7.4	7.5	7.4
Madison .....	20.6	21.3	21.6	55.0	57.0	57.3	63.2	64.7	64.0
Milwaukee .....	52.8	53.5	53.8	224.9	227.0	227.7	82.7	92.3	81.8
Racine .....	2.3	2.3	2.3	18.3	18.2	18.5	8.8	9.2	9.1
Sheboygan .....	2.3	2.3	2.3	10.3	10.7	10.5	5.6	6.1	5.6
Wausau .....	4.0	4.2	4.2	10.3	10.5	10.6	5.8	6.4	5.8
<b>Wyoming</b> .....	7.5	7.6	7.7	47.3	46.8	47.7	50.2	58.7	50.4
Casper .....	1.1	1.1	1.1	6.9	7.0	7.1	4.9	5.7	4.9
<b>Puerto Rico</b> .....	36.7	36.0	( <sup>1</sup> )	136.2	140.6	( <sup>2</sup> )	313.2	292.7	( <sup>2</sup> )
Caguas .....	1.2	1.2	( <sup>2</sup> )	8.9	9.2	( <sup>2</sup> )	17.4	17.4	( <sup>2</sup> )
Mayaguez .....	1.5	1.5	( <sup>2</sup> )	8.7	9.2	( <sup>2</sup> )	20.2	19.7	( <sup>2</sup> )
Ponce .....	1.7	1.6	( <sup>2</sup> )	11.8	12.2	( <sup>2</sup> )	18.2	18.6	( <sup>2</sup> )
San Juan .....	28.9	28.6	( <sup>2</sup> )	94.7	97.0	( <sup>2</sup> )	178.1	169.4	( <sup>2</sup> )
<b>Virgin Islands</b> .....	2.1	2.1	2.1	9.2	9.8	9.6	14.8	13.6	16.9

<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<sup>1</sup> on private nonfarm payrolls by major industry, 1964 to date**

Year and month	Total private <sup>1</sup>			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<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	10.32	353.98	44.4	14.19	630.04	38.1	14.00	533.40
1992 .....	34.4	10.58	363.95	43.9	14.54	638.31	38.0	14.15	537.70
<b>Monthly data, not seasonally adjusted</b>									
<b>1992:</b>									
August .....	34.9	\$10.55	\$368.20	44.5	\$14.47	\$643.92	39.1	\$14.24	\$556.78
September .....	34.3	10.65	365.30	43.9	14.60	640.94	37.1	14.22	527.56
October .....	34.4	10.68	367.39	44.4	14.47	642.47	39.0	14.30	557.70
November .....	34.5	10.72	369.84	44.6	14.61	651.61	37.5	14.24	534.00
December .....	34.5	10.70	369.15	44.4	14.58	647.35	37.2	14.27	530.84
<b>1993:</b>									
January .....	34.0	10.77	366.18	44.1	14.72	649.15	36.1	14.20	512.62
February .....	34.1	10.77	367.26	43.5	14.60	635.10	36.7	14.11	517.84
March .....	34.0	10.79	366.86	42.9	14.71	631.06	37.4	14.27	533.70
April .....	34.2	10.79	369.02	43.7	14.88	650.26	37.8	14.25	538.65
May .....	34.6	10.82	374.37	44.3	14.72	652.10	39.2	14.31	560.95
June .....	34.6	10.76	372.30	44.1	14.59	643.42	39.3	14.23	559.24
July <sup>a</sup> .....	34.8	10.76	374.45	44.1	14.48	638.57	39.6	14.35	568.26
August <sup>b</sup> .....	35.2	10.79	379.81	45.1	14.51	654.40	39.8	14.42	573.92

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	115.86
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	168.46	40.5	5.02	203.31	39.2	4.07	159.54
1974 .....	40.0	4.42	4.25	178.80	40.2	5.41	217.48	38.8	4.38	169.94
1975 .....	39.5	4.83	4.87	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1978 .....	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
1977 .....	40.3	5.88	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978 .....	40.4	8.17	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	288.82	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	429.88	38.9	12.60	490.14	38.0	10.39	394.82
1990 .....	40.8	10.83	10.37	441.86	38.9	12.97	504.53	38.1	10.79	411.10
1991 .....	40.7	11.18	10.71	455.03	38.7	13.22	511.61	38.1	11.15	424.82
1992 .....	41.0	11.48	10.95	469.86	38.9	13.46	523.59	38.2	11.39	435.10
<b>Monthly data, not seasonally adjusted</b>										
<b>1992:</b>										
August .....	41.1	\$11.45	\$10.92	\$470.60	39.6	\$13.49	\$534.20	38.5	\$11.42	\$439.67
September .....	41.0	11.54	11.01	473.14	39.1	13.59	531.37	38.1	11.44	435.86
October .....	41.3	11.50	10.96	474.95	39.1	13.57	530.59	38.2	11.44	437.01
November .....	41.8	11.55	11.01	480.48	39.5	13.64	538.78	38.3	11.52	441.22
December .....	41.9	11.64	11.09	487.72	39.2	13.58	532.34	38.2	11.52	440.06
<b>1993:</b>										
January .....	41.1	11.62	11.11	477.58	39.0	13.58	529.62	37.8	11.59	438.10
February .....	41.1	11.62	11.11	477.58	39.1	13.60	531.76	37.9	11.61	440.02
March .....	40.9	11.64	11.14	476.08	39.2	13.63	534.30	37.8	11.59	438.10
April .....	40.9	11.71	11.19	478.94	39.2	13.61	533.51	38.0	11.70	444.60
May .....	41.3	11.72	11.18	484.04	39.8	13.57	540.09	38.4	11.73	450.43
June .....	41.4	11.73	11.17	485.62	39.7	13.58	539.13	38.3	11.64	445.81
July <sup>a</sup> .....	41.0	11.74	11.19	481.34	40.0	13.66	546.40	38.3	11.71	448.49
August <sup>b</sup> .....	41.5	11.73	11.14	486.80	40.5	13.66	553.23	38.5	11.74	451.99

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	4.08	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987 .....	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988 .....	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989 .....	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990 .....	28.8	6.75	194.40	35.8	9.97	356.93	32.5	9.83	319.48
1991 .....	28.6	6.94	198.48	35.7	10.39	370.92	32.4	10.23	331.45
1992 .....	28.8	7.13	205.34	35.8	10.82	387.36	32.5	10.55	342.88
<b>Monthly data, not seasonally adjusted</b>									
<b>1992:</b>									
August .....	29.6	\$7.09	\$209.86	36.3	\$10.83	\$393.13	33.0	\$10.46	\$345.18
September .....	29.0	7.21	209.09	35.5	10.84	384.82	32.2	10.62	341.96
October .....	28.7	7.19	206.35	35.6	10.90	388.04	32.4	10.65	345.06
November .....	28.7	7.21	206.93	36.2	11.05	400.01	32.6	10.73	349.80
December .....	29.2	7.20	210.24	35.6	11.03	392.67	32.3	10.76	347.55
<b>1993:</b>									
January .....	28.0	7.27	203.56	35.7	11.13	397.34	32.2	10.83	348.73
February .....	28.2	7.26	204.73	35.7	11.19	399.48	32.3	10.83	349.81
March .....	27.8	7.28	202.38	35.5	11.17	396.54	32.3	10.81	349.16
April .....	28.5	7.27	207.20	35.7	11.21	400.20	32.3	10.77	347.87
May .....	28.9	7.28	210.39	36.2	11.34	410.51	32.7	10.78	352.51
June .....	29.1	7.26	211.27	35.6	11.20	398.72	32.6	10.68	348.17
July <sup>a</sup> .....	29.6	7.25	214.60	35.6	11.25	400.50	32.8	10.64	348.99
August <sup>a</sup> .....	29.8	7.24	215.75	36.5	11.37	415.01	33.1	10.68	353.51

<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>a</sup> = preliminary.  
NOTE: Establishment survey estimates are currently projected from March 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1992 forward are subject to revision.

**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**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Total private</b> .....		34.6	34.9	34.6	34.8	35.2	-	-	-	-	-
<b>Mining</b> .....		43.1	44.5	44.1	44.1	45.1	-	-	-	-	-
Metal mining .....	10	42.7	43.0	43.2	43.0	-	-	-	-	-	
Iron ores .....	101	39.7	40.3	41.8	41.8	-	-	-	-	-	
Copper ores .....	102	46.0	44.8	47.1	45.3	-	-	-	-	-	
Coal mining .....	12	41.0	43.3	43.8	42.3	-	-	-	-	-	
Bituminous coal and lignite mining .....	122	40.8	43.3	43.9	42.2	-	-	-	-	-	
Oil and gas extraction .....	13	43.2	44.7	43.3	43.8	-	-	-	-	-	
Crude petroleum and natural gas .....	131	40.9	42.3	41.9	42.2	-	-	-	-	-	
Oil and gas field services .....	138	44.9	46.4	44.1	44.6	-	-	-	-	-	
Nonmetallic minerals, except fuels .....	14	46.1	46.0	47.3	47.2	-	-	-	-	-	
Crushed and broken stone .....	142	46.8	46.8	49.1	48.8	-	-	-	-	-	
<b>Construction</b> .....		38.9	39.1	39.3	39.6	39.8	-	-	-	-	
General building contractors .....	15	38.0	38.3	38.0	38.2	-	-	-	-	-	
Residential building construction .....	152	37.0	37.2	37.4	37.5	-	-	-	-	-	
Operative builders .....	153	39.3	39.4	38.6	38.7	-	-	-	-	-	
Nonresidential building construction .....	154	38.9	39.4	38.6	38.8	-	-	-	-	-	
Heavy construction, except building .....	16	43.1	43.3	43.2	43.5	-	-	-	-	-	
Highway and street construction .....	161	44.8	45.4	45.0	45.9	-	-	-	-	-	
Heavy construction, except highway .....	162	42.3	42.2	42.2	42.2	-	-	-	-	-	
Special trade contractors .....	17	38.0	38.1	38.6	38.9	-	-	-	-	-	
Plumbing, heating, and air conditioning .....	171	39.8	39.3	39.8	40.1	-	-	-	-	-	
Painting and paper hanging .....	172	36.4	37.1	37.7	37.5	-	-	-	-	-	
Electrical work .....	173	39.4	39.5	39.6	40.0	-	-	-	-	-	
Masonry, stonework, and plastering .....	174	35.6	35.2	36.1	36.2	-	-	-	-	-	
Carpentry and floor work .....	175	35.2	36.3	36.4	36.2	-	-	-	-	-	
Roofing, siding, and sheet metal work .....	176	35.1	35.8	35.5	36.1	-	-	-	-	-	
<b>Manufacturing</b> .....		40.7	41.1	41.4	41.0	41.5	3.7	4.0	4.1	4.0	4.4
<b>Durable goods</b> .....		41.2	41.5	42.1	41.6	42.1	3.7	3.9	4.3	4.0	4.6
Lumber and wood products .....	24	40.6	41.0	40.8	40.6	41.2	4.0	4.2	4.0	4.1	-
Logging .....	241	41.0	40.2	41.1	41.0	-	5.3	5.5	5.5	5.7	-
Sawmills and planing mills .....	242	41.1	41.8	42.2	41.6	-	4.3	4.6	4.8	4.7	-
Sawmills and planing mills, general .....	2421	41.5	42.1	42.6	42.0	-	4.6	4.9	5.1	5.0	-
Hardwood dimension and flooring mills .....	2426	39.8	40.7	41.0	40.3	-	3.4	3.5	3.7	3.4	-
Millwork, plywood, and structural members .....	243	40.6	41.2	40.1	40.0	-	3.8	4.0	3.4	3.7	-
Millwork .....	2431	40.2	40.7	39.3	39.9	-	3.0	3.4	2.6	3.0	-
Wood kitchen cabinets .....	2434	41.0	41.0	39.9	40.2	-	4.0	4.0	3.2	3.5	-
Hardwood veneer and plywood .....	2435	39.5	40.6	41.1	39.4	-	4.1	4.0	4.4	3.8	-
Softwood veneer and plywood .....	2436	41.4	43.7	41.0	38.5	-	4.8	5.2	4.3	4.4	-
Wood containers .....	244	38.8	39.0	39.7	39.2	-	2.9	3.1	3.5	3.4	-
Wood buildings and mobile homes .....	245	40.6	40.9	40.6	41.8	-	3.7	3.8	3.5	4.3	-
Mobile homes .....	2451	40.4	41.3	40.9	42.3	-	3.6	4.0	3.5	4.6	-
Miscellaneous wood products .....	249	39.8	40.2	40.3	39.7	-	3.1	3.2	3.0	3.0	-
Furniture and fixtures .....	25	39.7	39.9	39.7	39.7	40.4	2.8	3.1	2.8	3.1	-
Household furniture .....	251	39.0	39.1	38.5	38.3	-	2.1	2.5	2.2	2.1	-
Wood household furniture .....	2511	38.8	39.3	38.9	38.9	-	2.0	2.4	2.1	2.3	-
Upholstered household furniture .....	2512	38.0	37.9	37.1	36.9	-	1.6	2.0	1.5	1.3	-
Metal household furniture .....	2514	41.0	39.6	41.8	39.3	-	2.7	3.0	4.1	2.3	-
Mattresses and bedspreads .....	2515	41.5	41.6	39.6	39.7	-	3.8	4.1	3.2	3.7	-
Office furniture .....	252	39.0	39.0	41.7	42.1	-	2.8	3.2	3.6	4.5	-
Public building and related furniture .....	253	42.2	42.8	41.5	41.2	-	4.6	4.7	4.1	4.3	-
Partitions and fixtures .....	254	41.3	41.5	41.0	41.9	-	4.5	4.7	3.9	4.9	-
Miscellaneous furniture and fixtures .....	259	41.2	41.7	41.7	40.7	-	3.5	3.6	3.4	3.0	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Total private .....</b>		\$10.51	\$10.55	\$10.76	\$10.76	\$10.79	\$363.65	\$368.20	\$372.30	\$374.45	\$379.81
<b>Mining .....</b>		14.50	14.47	14.59	14.48	14.51	624.95	643.92	643.42	638.57	654.40
<b>Metal mining .....</b>	10	15.40	15.20	15.29	15.09	-	657.58	653.60	660.53	648.87	-
Iron ores .....	101	15.73	16.00	17.93	16.61	-	624.48	644.80	749.47	694.30	-
Copper ores .....	102	14.79	13.73	13.91	14.04	-	680.34	615.10	655.16	636.01	-
<b>Coal mining .....</b>	12	17.07	17.12	17.14	17.20	-	699.67	741.30	750.73	727.56	-
Bituminous coal and lignite mining .....	122	17.19	17.27	17.33	17.40	-	701.35	747.79	780.79	734.28	-
<b>Oil and gas extraction .....</b>	13	14.04	13.95	14.22	14.10	-	606.53	623.57	615.73	617.58	-
Crude petroleum and natural gas .....	131	16.57	16.61	17.34	17.18	-	677.71	702.60	726.55	725.00	-
Oil and gas field services .....	138	12.26	12.18	12.31	12.29	-	550.47	565.15	542.87	548.13	-
<b>Nonmetallic minerals, except fuels .....</b>	14	12.30	12.34	12.69	12.73	-	567.03	567.64	600.24	600.86	-
Crushed and broken stone .....	142	11.66	11.69	12.10	12.16	-	545.89	547.09	594.11	593.41	-
<b>Construction .....</b>		14.10	14.24	14.23	14.35	14.42	548.49	556.78	559.24	568.26	573.92
<b>General building contractors .....</b>	15	13.34	13.54	13.42	13.47	-	506.92	518.58	509.96	514.55	-
Residential building construction .....	152	12.37	12.67	12.42	12.42	-	457.69	471.32	464.51	465.75	-
Operative builders .....	153	13.33	13.77	13.59	13.24	-	523.87	542.54	524.57	512.39	-
Nonresidential building construction .....	154	14.21	14.30	14.36	14.45	-	552.77	563.42	554.30	560.66	-
<b>Heavy construction, except building .....</b>	16	14.00	14.24	14.05	14.14	-	603.40	616.59	606.96	615.09	-
Highway and street construction .....	161	13.87	14.24	14.10	14.35	-	621.38	646.50	634.50	658.67	-
Heavy construction, except highway .....	162	14.07	14.24	14.01	14.01	-	595.16	600.93	591.22	591.22	-
<b>Special trade contractors .....</b>	17	14.40	14.49	14.55	14.70	-	547.20	552.07	561.63	571.83	-
Plumbing, heating, and air conditioning .....	171	14.89	14.85	14.91	15.07	-	592.62	583.61	593.42	604.31	-
Painting and paper hanging .....	172	13.08	13.28	13.16	13.18	-	476.11	492.69	498.13	494.25	-
Electrical work .....	173	15.33	15.44	15.79	15.87	-	604.00	609.88	625.28	634.80	-
Masonry, stonework, and plastering .....	174	14.54	14.63	14.62	14.66	-	517.62	514.98	527.78	530.69	-
Carpentry and floor work .....	175	14.54	14.54	14.18	14.55	-	511.61	527.80	518.15	526.71	-
Roofing, siding, and sheet metal work .....	176	12.36	12.67	12.50	12.78	-	433.84	453.59	443.75	461.36	-
<b>Manufacturing .....</b>		11.47	11.45	11.73	11.74	11.73	486.83	470.80	485.82	481.34	486.80
<b>Durable goods .....</b>		12.03	12.04	12.32	12.29	12.33	495.84	499.66	518.67	511.26	519.09
<b>Lumber and wood products .....</b>	24	9.47	9.50	9.56	9.65	9.69	384.48	389.50	390.05	391.79	399.23
Logging .....	241	11.20	11.31	11.36	11.50	-	459.20	454.66	466.90	471.50	-
Sawmills and planing mills .....	242	9.60	9.62	9.73	9.81	-	394.56	402.12	410.61	408.10	-
Sawmills and planing mills, general .....	2421	9.92	9.99	10.11	10.16	-	411.68	420.58	430.69	426.72	-
Hardwood dimension and flooring mills .....	2426	8.11	7.99	8.16	8.25	-	322.78	325.19	334.56	332.48	-
Millwork, plywood, and structural members .....	243	9.51	9.55	9.59	9.69	-	386.11	393.46	384.56	387.60	-
Millwork .....	2431	9.72	9.87	9.63	9.92	-	390.74	401.71	386.32	395.81	-
Wood kitchen cabinets .....	2434	8.93	8.90	8.93	8.99	-	366.13	384.90	356.31	361.40	-
Hardwood veneer and plywood .....	2435	8.34	8.21	8.30	8.41	-	329.43	333.33	341.13	331.35	-
Softwood veneer and plywood .....	2436	11.11	11.12	11.54	11.77	-	459.95	485.94	473.14	453.15	-
Wood containers .....	244	6.86	6.92	6.95	7.00	-	266.17	269.88	275.92	274.40	-
Wood buildings and mobile homes .....	245	9.24	9.22	9.32	9.30	-	375.14	377.10	378.39	368.74	-
Mobile homes .....	2451	9.28	9.27	9.35	9.37	-	374.91	382.85	382.42	396.35	-
Miscellaneous wood products .....	249	8.80	8.78	8.96	9.04	-	350.24	352.96	361.09	358.89	-
<b>Furniture and fixtures .....</b>	25	9.02	9.05	9.23	9.28	9.34	358.09	361.10	366.43	368.42	377.34
Household furniture .....	251	8.37	8.43	8.66	8.68	-	326.43	329.61	333.41	332.44	-
Wood household furniture .....	2511	7.85	7.89	8.08	8.14	-	304.58	310.08	314.31	316.65	-
Upholstered household furniture .....	2512	9.10	9.23	9.38	9.31	-	345.80	349.82	348.00	343.54	-
Metal household furniture .....	2514	8.39	8.46	8.78	8.84	-	343.99	335.02	367.00	347.41	-
Mattresses and bedspreads .....	2515	8.86	8.82	9.31	9.33	-	367.69	366.91	368.68	370.40	-
Office furniture .....	252	9.80	9.80	10.04	10.16	-	382.20	382.20	418.67	427.74	-
Public building and related furniture .....	253	9.49	9.45	9.57	9.51	-	400.48	404.46	397.16	391.81	-
Partitions and fixtures .....	254	10.43	10.45	10.43	10.54	-	430.76	433.66	427.63	441.63	-
Miscellaneous furniture and fixtures .....	259	9.42	9.42	9.51	9.48	-	388.10	392.81	396.57	385.84	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	42.7	42.9	43.2	43.0	43.6	5.4	5.5	5.6	5.6	-
Flat glass .....	321	43.0	44.2	46.1	43.6	-	4.5	6.0	8.1	4.9	-
Glass and glassware, pressed or blown .....	322	42.3	42.4	42.2	42.5	-	4.8	5.0	4.6	4.5	-
Glass containers .....	3221	43.1	43.1	43.4	43.6	-	6.1	6.3	5.9	5.9	-
Pressed and blown glass, nec .....	3229	41.6	41.7	41.1	41.4	-	3.5	3.8	3.4	3.3	-
Products of purchased glass .....	323	41.2	41.6	41.8	40.7	-	3.3	3.4	3.4	3.0	-
Cement, hydraulic .....	324	41.9	41.6	42.1	42.2	-	4.0	3.8	4.0	4.4	-
Structural clay products .....	325	40.5	41.1	41.8	41.2	-	3.5	3.6	3.6	3.9	-
Pottery and related products .....	326	40.2	40.3	41.2	40.8	-	3.4	3.4	3.4	3.3	-
Concrete, gypsum, and plaster products .....	327	44.9	44.9	44.8	44.8	-	7.6	7.5	7.8	7.9	-
Concrete block and brick .....	3271	46.1	45.5	46.1	45.9	-	7.7	7.3	8.3	8.1	-
Concrete products, nec .....	3272	44.3	44.1	43.8	43.8	-	6.6	6.4	6.1	6.3	-
Ready-mixed concrete .....	3273	44.7	44.9	45.2	44.9	-	8.1	8.0	8.7	8.7	-
Misc. nonmetallic mineral products .....	329	41.6	42.1	42.8	42.7	-	4.9	5.2	4.7	5.2	-
Abrasive products .....	3291	41.1	41.8	43.0	41.5	-	3.3	3.9	3.9	3.7	-
Asbestos products .....	3292	38.6	41.5	42.6	42.4	-	4.1	6.0	5.8	4.9	-
Primary metal industries .....	33	43.1	43.0	43.8	43.5	43.7	5.2	5.4	5.7	5.6	-
Blast furnaces and basic steel products .....	331	44.0	43.9	44.5	44.7	44.7	5.7	5.8	5.9	6.2	-
Blast furnaces and steel mills .....	3312	44.4	44.2	44.8	45.2	-	5.9	6.0	6.1	6.5	-
Steel pipe and tubes .....	3317	42.4	43.1	44.1	43.3	-	5.1	5.4	5.4	4.9	-
Iron and steel foundries .....	332	43.3	42.9	44.7	42.9	-	5.0	5.3	6.3	5.2	-
Gray and ductile iron foundries .....	3321	43.8	43.8	45.1	43.4	-	5.3	5.8	6.9	5.4	-
Malleable iron foundries .....	3322	44.7	43.6	45.3	41.8	-	7.5	6.8	10.5	8.2	-
Steel foundries, nec .....	3325	42.3	40.7	43.4	41.3	-	4.1	3.9	4.5	4.3	-
Primary nonferrous metals .....	333	43.8	42.4	43.0	42.5	-	5.6	5.5	5.1	5.4	-
Primary aluminum .....	3334	43.4	42.3	42.4	41.7	-	6.0	5.9	4.9	4.9	-
Nonferrous rolling and drawing .....	335	43.1	43.1	43.8	44.2	-	5.8	6.0	6.4	6.6	-
Copper rolling and drawing .....	3351	42.4	42.5	42.5	44.3	-	6.0	6.5	6.4	7.7	-
Aluminum sheet, plate, and foil .....	3353	44.4	45.3	45.2	45.4	-	7.6	8.2	7.7	7.8	-
Nonferrous wire drawing and insulating .....	3357	42.0	42.1	43.0	44.0	-	4.7	4.9	5.7	6.2	-
Nonferrous foundries (castings) .....	336	40.1	40.7	41.2	40.2	-	3.2	3.3	3.7	3.3	-
Aluminum foundries .....	3365	40.3	41.6	40.5	40.2	-	3.5	3.9	3.3	3.4	-
Fabricated metal products .....	34	41.3	41.6	42.2	41.4	42.1	3.8	3.9	4.3	4.0	-
Metal cans and shipping containers .....	341	44.3	43.5	44.9	44.7	-	6.4	6.2	6.3	6.6	-
Metal cans .....	3411	44.7	43.8	44.9	44.4	-	6.3	6.2	6.2	6.6	-
Cutlery, handtools, and hardware .....	342	40.4	41.1	41.9	40.1	-	2.6	3.0	3.8	3.2	-
Hand and edge tools, and blades and handsaws ...	3423,5	39.8	40.9	41.9	39.3	-	2.6	3.0	3.4	3.0	-
Hardware, nec .....	3429	40.5	40.8	41.6	40.3	-	2.6	2.7	3.8	3.3	-
Plumbing and heating, except electric .....	343	41.3	41.3	41.6	40.6	-	3.8	4.0	3.3	3.4	-
Plumbing fixture fittings and trim .....	3432	42.5	41.8	40.3	39.4	-	4.5	3.7	2.4	2.3	-
Heating equipment, except electric .....	3433	38.7	39.9	40.9	40.7	-	2.1	3.4	2.8	3.1	-
Fabricated structural metal products .....	344	41.5	41.5	41.5	41.5	-	4.0	4.1	4.1	4.4	-
Fabricated structural metal .....	3441	41.8	42.1	41.5	42.9	-	4.6	4.8	4.3	5.3	-
Metal doors, sash, and trim .....	3442	40.8	40.4	40.8	39.9	-	3.6	3.5	3.7	3.8	-
Fabricated plate work (boiler shops) .....	3443	42.5	42.1	42.4	41.6	-	4.3	4.5	4.6	4.5	-
Sheet metal work .....	3444	40.5	41.0	40.9	40.8	-	3.1	3.5	3.6	4.0	-
Architectural metal work .....	3446	40.9	41.4	40.7	41.5	-	4.0	4.3	3.4	4.0	-
Screw machine products, bolts, etc .....	345	41.4	41.7	42.4	41.2	-	4.0	4.1	4.6	4.0	-
Screw machine products .....	3451	41.3	41.3	42.0	41.1	-	3.6	3.7	4.3	3.8	-
Bolts, nuts, rivets, and washers .....	3452	41.5	42.1	42.7	41.4	-	4.5	4.7	5.0	4.3	-
Metal forgings and stampings .....	346	41.2	41.9	43.3	41.2	-	3.3	3.8	5.0	3.6	-
Iron and steel forgings .....	3462	40.4	40.6	42.4	39.8	-	3.7	3.5	4.3	3.8	-
Automotive stampings .....	3465	41.8	42.6	44.6	41.4	-	3.0	3.9	6.0	3.3	-
Metal stampings, nec .....	3469	40.5	41.0	41.7	41.1	-	3.3	3.7	3.7	3.7	-
Metal services, nec .....	347	41.0	41.1	41.2	41.0	-	4.1	3.7	4.0	3.8	-
Plating and polishing .....	3471	40.3	40.5	40.7	40.2	-	3.7	3.2	3.7	3.3	-
Metal coating and allied services .....	3479	42.1	42.0	42.1	42.3	-	4.7	4.4	4.6	4.7	-
Ordnance and accessories, nec .....	348	40.9	41.5	41.7	41.3	-	3.1	3.7	3.6	3.4	-
Ammunition, except for small arms, nec .....	3483	40.4	40.5	40.6	41.0	-	2.7	3.0	2.9	3.1	-
Misc. fabricated metal products .....	349	41.0	41.4	42.1	41.8	-	3.6	3.8	3.8	3.8	-
Valves and pipe fittings, nec .....	3494	41.8	41.5	41.9	41.5	-	3.8	3.9	3.5	3.6	-
Misc. fabricated wire products .....	3496	39.8	40.1	41.7	41.2	-	3.2	3.0	3.8	3.8	-

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					
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	
<b>Durable goods—Continued</b>												
Stone, clay, and glass products .....	32	\$11.64	\$11.64	\$11.83	\$11.89	\$11.90	\$497.03	\$499.36	\$511.06	\$511.27	\$518.84	
Flat glass .....	321	16.28	16.51	17.49	17.55	-	700.04	729.74	806.29	765.18	-	
Glass and glassware, pressed or blown .....	322	13.12	13.05	13.35	13.36	-	554.98	553.32	563.37	567.80	-	
Glass containers .....	3221	13.88	13.76	13.78	13.86	-	598.23	593.06	596.05	604.30	-	
Pressed and blown glass, nec .....	3229	12.38	12.36	12.92	12.88	-	515.01	515.41	531.01	533.23	-	
Products of purchased glass .....	323	9.96	10.01	10.30	10.18	-	410.35	416.42	430.54	414.33	-	
Cement, hydraulic .....	324	14.62	14.66	14.89	14.96	-	612.58	609.86	626.87	631.31	-	
Structural clay products .....	325	9.98	9.98	10.38	10.32	-	404.19	410.18	433.88	425.18	-	
Pottery and related products .....	326	10.21	10.14	10.17	10.23	-	410.44	408.64	419.00	417.38	-	
Concrete, gypsum, and plaster products .....	327	11.24	11.26	11.35	11.43	-	504.68	505.57	508.48	512.06	-	
Concrete block and brick .....	3271	10.58	10.68	10.69	10.76	-	487.74	485.94	492.81	493.88	-	
Concrete products, nec .....	3272	10.11	10.15	10.13	10.29	-	447.87	447.62	443.69	450.70	-	
Ready-mixed concrete .....	3273	11.95	11.94	12.03	12.07	-	534.17	536.11	543.76	541.94	-	
Misc. nonmetallic mineral products .....	329	12.18	12.18	12.36	12.54	-	506.69	512.78	529.01	535.46	-	
Abrasive products .....	3291	10.27	10.26	10.71	10.75	-	422.10	428.87	460.53	446.13	-	
Asbestos products .....	3292	12.51	12.92	13.37	13.75	-	482.89	536.18	569.56	583.00	-	
Primary metal industries .....	33	13.76	13.73	14.03	14.05	14.04	593.06	590.39	614.51	611.18	613.55	
Blast furnaces and basic steel products .....	331	15.96	15.96	16.53	16.54	16.50	702.24	700.64	735.59	739.34	737.55	
Blast furnaces and steel mills .....	3312	16.93	16.95	17.66	17.66	-	751.69	749.19	791.17	798.23	-	
Steel pipe and tubes .....	3317	12.41	12.59	12.85	12.84	-	526.18	542.63	566.69	555.97	-	
Iron and steel foundries .....	332	12.32	12.20	12.42	12.18	-	533.46	523.38	555.17	522.52	-	
Gray and ductile iron foundries .....	3321	12.75	12.63	12.95	12.58	-	558.45	553.19	584.05	545.97	-	
Malleable iron foundries .....	3322	13.13	13.14	13.99	14.17	-	586.91	572.90	633.75	592.31	-	
Steel foundries, nec .....	3325	11.63	11.51	11.51	11.52	-	491.95	468.46	499.53	475.78	-	
Primary nonferrous metals .....	333	15.00	15.16	15.16	15.33	-	657.00	642.78	651.88	651.53	-	
Primary aluminum .....	3334	15.35	15.50	15.41	15.39	-	666.19	655.65	653.38	641.76	-	
Nonferrous rolling and drawing .....	335	12.90	12.89	13.16	13.17	-	555.99	555.56	576.41	582.11	-	
Copper rolling and drawing .....	3351	12.34	12.41	12.91	12.89	-	523.22	527.43	548.68	571.03	-	
Aluminum sheet, plate, and foil .....	3353	15.55	15.46	15.60	15.68	-	690.42	700.34	705.12	711.87	-	
Nonferrous wire drawing and insulating .....	3357	12.88	12.92	13.12	13.24	-	540.96	543.93	564.16	582.56	-	
Nonferrous foundries (castings) .....	336	10.98	10.88	11.09	11.07	-	440.30	442.82	456.91	445.01	-	
Aluminum foundries .....	3365	10.49	10.37	10.63	10.69	-	422.75	431.39	430.52	429.74	-	
Fabricated metal products .....	34	11.40	11.42	11.69	11.65	11.68	470.82	475.07	493.32	482.31	491.73	
Metal cans and shipping containers .....	341	15.04	14.97	15.19	15.36	-	666.27	651.20	682.03	686.59	-	
Metal cans .....	3411	16.04	16.00	16.23	16.49	-	716.99	700.80	728.73	732.16	-	
Cutlery, handtools, and hardware .....	342	11.22	11.19	11.63	11.58	-	453.29	459.91	487.30	464.36	-	
Hand and edge tools, and blades and handsaws .....	3423,5	10.53	10.45	10.99	11.09	-	419.09	427.41	460.48	435.84	-	
Hardware, nec .....	3429	11.36	11.36	11.67	11.53	-	460.08	463.49	485.47	464.66	-	
Plumbing and heating, except electric .....	343	10.23	10.31	10.45	10.46	-	422.50	425.80	434.72	424.68	-	
Plumbing fixture fittings and trim .....	3432	9.74	9.77	9.77	9.82	-	413.95	408.39	393.73	386.91	-	
Heating equipment, except electric .....	3433	10.28	10.54	10.61	10.50	-	397.84	420.55	433.95	427.35	-	
Fabricated structural metal products .....	344	10.70	10.69	10.90	10.95	-	444.05	443.64	452.35	454.43	-	
Fabricated structural metal .....	3441	10.74	10.71	10.74	10.79	-	448.93	450.89	445.71	482.89	-	
Metal doors, sash, and trim .....	3442	9.04	9.00	9.21	9.33	-	368.83	363.60	375.77	372.27	-	
Fabricated plate work (boiler shops) .....	3443	11.79	11.91	12.33	12.32	-	501.08	501.41	522.79	512.51	-	
Sheet metal work .....	3444	10.96	10.95	11.12	11.29	-	443.88	448.95	454.81	460.63	-	
Architectural metal work .....	3446	10.19	10.18	10.14	10.05	-	416.77	421.45	412.70	417.08	-	
Screw machine products, bolts, etc .....	345	11.35	11.37	11.45	11.39	-	469.89	474.13	485.48	469.27	-	
Screw machine products .....	3451	10.51	10.53	10.65	10.71	-	434.06	434.89	447.30	440.18	-	
Bolts, nuts, rivets, and washers .....	3452	12.28	12.28	12.35	12.17	-	509.62	516.99	527.35	503.84	-	
Metal forgings and stampings .....	346	13.36	13.50	13.99	13.80	-	550.43	565.65	605.77	568.56	-	
Iron and steel forgings .....	3462	13.52	13.66	13.52	13.52	-	546.21	554.60	573.25	538.10	-	
Automotive stampings .....	3465	15.15	15.30	16.06	15.90	-	633.27	651.78	716.28	656.26	-	
Metal stampings, nec .....	3469	10.80	10.86	11.07	11.13	-	437.40	445.26	461.62	457.44	-	
Metal services, nec .....	347	9.53	9.48	9.67	9.69	-	390.73	389.63	398.40	397.29	-	
Plating and polishing .....	3471	9.50	9.41	9.70	9.69	-	382.85	381.11	394.79	389.54	-	
Metal coating and allied services .....	3479	9.58	9.60	9.62	9.68	-	403.32	403.20	405.00	409.46	-	
Ordnance and accessories, nec .....	348	12.57	12.57	13.30	13.48	-	514.11	521.66	554.61	556.72	-	
Ammunition, except for small arms, nec .....	3483	12.50	12.31	13.44	13.67	-	505.00	498.56	545.66	560.47	-	
Misc. fabricated metal products .....	349	10.74	10.73	10.85	10.88	-	440.34	444.22	456.79	454.78	-	
Valves and pipe fittings, nec .....	3494	11.38	11.47	11.20	11.38	-	475.68	476.01	469.28	472.27	-	
Misc. fabricated wire products .....	3496	9.47	9.40	9.69	9.72	-	376.91	376.94	404.07	400.46	-	

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	41.7	41.9	42.9	42.5	42.6	3.8	4.0	4.6	4.5	-
Engines and turbines .....	351	44.8	42.7	44.2	45.2	-	3.9	4.5	5.1	4.5	-
Turbines and turbine generator sets .....	3511	41.7	42.9	44.3	43.6	-	4.1	5.0	5.4	3.7	-
Internal combustion engines, nec .....	3519	46.1	42.7	44.1	45.9	-	3.8	4.3	5.0	4.8	-
Farm and garden machinery .....	352	38.5	39.3	42.5	42.0	-	2.8	2.9	3.6	4.0	-
Farm machinery and equipment .....	3523	39.0	40.0	43.5	42.3	-	2.9	3.3	4.3	4.5	-
Construction and related machinery .....	353	43.4	43.5	43.8	44.1	-	3.9	4.3	4.9	5.1	-
Construction machinery .....	3531	45.3	44.6	44.2	44.7	-	3.6	3.8	4.6	4.6	-
Mining machinery .....	3532	40.8	40.2	40.0	40.2	-	3.8	3.4	3.5	3.4	-
Oil and gas field machinery .....	3533	43.6	45.1	46.6	46.2	-	4.2	5.8	6.5	6.5	-
Conveyors and conveying equipment .....	3535	43.6	43.2	43.2	44.2	-	5.6	4.8	5.5	6.2	-
Industrial trucks and tractors .....	3537	39.3	40.1	40.8	40.8	-	2.7	3.3	3.4	3.9	-
Metalworking machinery .....	354	42.4	42.3	43.2	43.0	-	4.7	4.7	5.2	5.1	-
Machine tools, metal cutting types .....	3541	41.5	41.7	42.7	42.5	-	3.7	4.1	4.3	4.3	-
Machine tools, metal forming types .....	3542	41.2	41.0	43.2	43.3	-	3.7	3.4	4.7	4.8	-
Special dies, tools, jigs, and fixtures .....	3544	43.2	43.0	43.8	43.7	-	5.5	5.5	6.1	6.0	-
Machine tool accessories .....	3545	42.2	42.0	42.2	42.2	-	3.7	3.9	3.8	3.8	-
Power driven handtools .....	3546	40.6	42.4	42.2	43.3	-	3.5	3.6	3.9	4.7	-
Special industry machinery .....	355	41.0	41.2	42.6	41.8	-	3.8	3.8	4.8	4.5	-
Textile machinery .....	3552	41.9	42.1	41.8	40.6	-	3.5	3.9	4.2	3.7	-
Printing trades machinery .....	3555	39.1	38.7	41.7	41.8	-	3.0	3.6	4.6	4.1	-
Food products machinery .....	3556	40.9	42.2	42.4	41.4	-	4.4	4.6	4.6	4.6	-
General industrial machinery .....	356	41.1	41.5	42.6	42.3	-	3.7	4.0	4.6	4.5	-
Pumps and pumping equipment .....	3561	40.8	41.3	42.6	43.3	-	3.5	3.6	4.3	4.7	-
Ball and roller bearings .....	3562	40.5	42.1	42.7	41.0	-	3.7	4.6	5.6	5.6	-
Air and gas compressors .....	3563	41.5	42.9	43.9	42.1	-	4.1	4.7	4.7	3.9	-
Blowers and fans .....	3564	40.7	41.0	41.3	42.1	-	3.8	4.0	3.8	4.1	-
Speed changers, drives, and gears .....	3566	41.2	41.5	43.3	43.3	-	4.8	5.1	6.0	5.3	-
Power transmission equipment, nec .....	3568	41.0	39.8	42.3	42.5	-	3.7	2.9	3.8	3.8	-
Computer and office equipment .....	357	41.6	41.8	41.9	41.7	-	2.7	2.9	3.3	3.0	-
Electronic computers .....	3571	40.6	41.3	41.8	42.3	-	2.5	2.9	3.1	3.1	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	43.1	40.4	42.0	42.4	-	4.2	3.6	3.7	3.4	-
Refrigeration and service machinery .....	358	40.8	41.2	43.3	42.1	-	3.3	3.6	4.7	4.6	-
Refrigeration and heating equipment .....	3585	41.3	41.5	44.2	42.8	-	3.6	3.9	5.2	5.1	-
Misc. industrial and commercial machinery .....	359	41.4	42.1	42.4	41.5	-	4.1	4.4	4.6	4.3	-
Carburetors, pistons, rings, valves .....	3592	40.1	40.7	43.6	40.8	-	3.1	3.5	5.1	3.6	-
Scales, balances, and industrial machinery, nec .....	3596,9	41.5	42.2	42.4	41.6	-	4.2	4.5	4.7	4.5	-
<b>Electronic and other electrical equipment</b>											
Electric distribution equipment .....	361	41.1	41.4	41.9	41.2	-	3.3	3.5	4.0	3.8	-
Transformers, except electronic .....	3612	39.9	40.7	41.9	41.2	-	2.9	3.4	4.2	3.8	-
Switchgear and switchboard apparatus .....	3613	42.3	42.2	41.9	41.1	-	3.7	3.6	3.9	3.7	-
Electrical industrial apparatus .....	362	41.4	40.9	42.3	41.7	-	3.0	2.8	3.6	3.5	-
Motors and generators .....	3621	41.7	41.3	42.5	41.7	-	3.2	2.8	3.8	3.6	-
Relays and industrial controls .....	3625	40.3	39.6	41.5	41.4	-	2.3	2.2	3.0	3.0	-
Household appliances .....	363	40.0	39.7	40.2	40.3	-	2.7	2.9	2.5	2.9	-
Household refrigerators and freezers .....	3632	41.4	38.5	40.6	43.3	-	3.7	2.4	2.4	3.5	-
Household laundry equipment .....	3633	38.9	39.7	39.7	35.8	-	1.6	1.9	1.7	2.0	-
Electric housewares and fans .....	3634	40.7	41.0	40.7	40.9	-	2.8	3.2	2.8	3.1	-
Electric lighting and wiring equipment .....	364	39.7	40.5	41.2	41.1	-	2.8	3.2	3.4	3.5	-
Electric lamps .....	3641	40.9	42.3	43.7	43.0	-	2.7	3.7	3.9	3.8	-
Current-carrying wiring devices .....	3643	38.4	39.0	40.0	39.9	-	2.5	2.6	2.8	2.9	-
Noncurrent-carrying wiring devices .....	3644	41.9	43.8	41.7	41.2	-	3.6	4.3	2.9	2.8	-
Residential lighting fixtures .....	3645	36.5	38.5	38.4	38.1	-	1.6	2.6	1.8	2.2	-
Household audio and video equipment .....	365	40.3	41.6	40.8	40.7	-	3.5	4.2	3.7	3.8	-
Household audio and video equipment .....	3651	39.8	41.2	40.5	40.3	-	3.1	3.5	3.3	3.3	-
Communications equipment .....	366	41.4	41.5	42.1	42.7	-	3.2	3.3	3.3	3.4	-
Telephone and telegraph apparatus .....	3661	41.8	42.2	43.1	43.9	-	3.7	3.9	3.3	3.6	-
Electronic components and accessories .....	367	40.4	40.8	41.4	40.4	-	3.4	3.6	4.1	3.7	-
Electron tubes .....	3671	39.9	40.2	40.9	41.1	-	3.7	3.3	4.0	4.5	-
Semiconductors and related devices .....	3674	42.2	41.9	42.4	41.7	-	4.3	4.4	5.0	4.9	-
Electronic components, nec .....	3679	38.8	39.5	40.1	39.2	-	2.2	2.6	3.2	2.8	-
Misc. electrical equipment and supplies .....	369	41.2	42.1	42.0	41.6	-	3.2	3.8	4.3	3.6	-
Storage batteries .....	3691	41.7	43.8	42.2	42.9	-	3.8	4.8	3.8	4.2	-
Engine electrical equipment .....	3694	40.9	41.7	42.5	42.3	-	2.9	3.6	5.2	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 weekly hours					Average overtime hours				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	41.1	41.9	43.1	41.9	42.9	3.5	3.9	5.1	3.7	-
Motor vehicles and equipment .....	371	41.9	42.7	44.7	42.5	44.3	3.8	4.4	6.4	3.9	-
Motor vehicles and car bodies .....	3711	41.1	42.3	44.2	42.3	-	2.7	3.8	6.4	3.4	-
Truck and bus bodies .....	3713	42.9	42.8	44.8	44.0	-	4.8	4.6	5.4	4.3	-
Motor vehicle parts and accessories .....	3714	42.4	43.2	45.3	42.5	-	4.6	4.9	6.7	4.3	-
Truck trailers .....	3715	41.3	41.7	43.1	42.6	-	4.0	4.3	4.8	4.5	-
Aircraft and parts .....	372	40.6	41.4	41.3	41.5	-	3.4	3.7	3.7	3.8	-
Aircraft .....	3721	40.2	41.4	40.8	41.1	-	3.4	3.7	3.6	3.6	-
Aircraft engines and engine parts .....	3724	41.9	41.9	42.5	43.7	-	4.4	4.4	4.2	4.9	-
Aircraft parts and equipment, nec .....	3728	40.1	40.9	41.3	40.7	-	2.6	3.2	3.5	3.3	-
Ship and boat building and repairing .....	373	39.6	40.0	39.6	40.3	-	2.8	3.0	2.7	3.0	-
Ship building and repairing .....	3731	39.7	40.5	39.9	41.0	-	2.9	3.2	2.6	3.1	-
Boat building and repairing .....	3732	39.2	38.9	39.0	38.8	-	2.6	2.7	3.2	2.8	-
Railroad equipment .....	374	41.1	41.1	43.0	40.5	-	3.5	3.1	4.1	2.6	-
Guided missiles, space vehicles, and parts .....	376	40.0	40.6	40.9	42.1	-	2.6	2.8	2.8	3.0	-
Guided missiles and space vehicles .....	3761	39.7	40.5	41.3	43.0	-	2.9	3.2	3.3	3.5	-
Misc. transportation equipment .....	379	38.4	39.6	40.0	40.4	-	2.3	2.3	3.3	3.4	-
Travel trailers and campers .....	3792	38.7	39.8	39.1	40.3	-	2.2	2.0	2.7	3.0	-
Instruments and related products .....	38	40.4	40.9	41.3	40.6	40.9	2.5	2.7	2.7	2.6	-
Search and navigation equipment .....	381	40.3	40.1	40.8	40.4	-	2.0	2.2	1.9	1.9	-
Measuring and controlling devices .....	382	40.4	40.9	41.4	40.5	-	2.3	2.6	2.5	2.3	-
Environmental controls .....	3822	39.1	40.0	41.0	39.6	-	2.2	2.7	3.0	2.8	-
Process control instruments .....	3823	40.9	42.0	40.9	40.4	-	2.5	2.7	2.2	2.1	-
Instruments to measure electricity .....	3825	39.2	40.0	41.8	40.9	-	1.7	1.9	2.2	1.7	-
Medical instruments and supplies .....	384	40.3	41.2	41.1	40.5	-	2.7	2.9	2.9	2.7	-
Surgical and medical instruments .....	3841	40.3	42.2	42.1	41.1	-	2.5	2.9	3.3	2.7	-
Surgical appliances and supplies .....	3842	39.8	40.0	40.1	39.9	-	2.9	2.8	2.4	2.7	-
Ophthalmic goods .....	385	38.8	38.5	40.0	39.8	-	2.1	2.3	2.3	2.1	-
Photographic equipment and supplies .....	386	42.7	43.0	42.8	42.3	-	3.7	4.1	4.4	4.5	-
Watches, clocks, watchcases, and parts .....	387	38.8	38.5	41.6	38.2	-	1.0	1.0	2.5	2.2	-
Miscellaneous manufacturing industries .....	39	39.4	39.9	39.5	38.8	39.6	2.5	2.8	2.5	2.5	-
Jewelry, silverware, and plated ware .....	391	36.5	38.2	38.1	36.3	-	1.0	2.3	1.6	1.0	-
Jewelry, precious metal .....	3911	35.8	37.6	37.6	35.6	-	.8	2.3	1.5	1.0	-
Musical instruments .....	393	37.9	38.8	39.0	37.7	-	1.4	2.0	1.6	1.8	-
Toys and sporting goods .....	394	40.0	40.5	39.6	39.2	-	2.7	3.1	2.5	2.7	-
Dolls, games, toys, and children's vehicles .....	3942,4	39.5	40.0	38.1	37.7	-	2.5	3.1	1.6	1.8	-
Sporting and athletic goods, nec .....	3949	40.3	40.8	40.5	40.1	-	2.8	3.1	3.0	3.2	-
Pens, pencils, office, and art supplies .....	395	40.0	39.5	40.2	40.8	-	2.9	2.3	2.9	2.9	-
Costume jewelry and notions .....	396	40.3	41.2	39.8	38.0	-	2.3	3.4	2.4	2.3	-
Costume jewelry .....	3961	40.4	41.3	38.4	36.8	-	1.8	3.2	1.4	2.0	-
Miscellaneous manufactures .....	399	39.7	40.1	39.7	39.4	-	2.9	3.0	3.0	3.0	-
Signs and advertising specialties .....	3993	39.8	40.1	39.8	39.9	-	3.2	3.5	3.0	2.9	-
<b>Nondurable goods .....</b>		<b>40.1</b>	<b>40.6</b>	<b>40.6</b>	<b>40.3</b>	<b>40.7</b>	<b>3.8</b>	<b>4.1</b>	<b>3.9</b>	<b>3.9</b>	<b>4.2</b>
Food and kindred products .....	20	40.2	41.1	40.5	40.8	41.2	4.6	5.1	4.5	4.9	-
Meat products .....	201	39.3	40.4	40.3	40.3	-	3.8	4.5	4.2	4.3	-
Meat packing plants .....	2011	40.0	41.9	41.5	40.9	-	3.9	5.5	4.8	4.7	-
Sausages and other prepared meats .....	2013	41.6	41.7	42.5	42.6	-	4.9	5.2	5.6	5.8	-
Poultry slaughtering and processing .....	2015	36.1	38.9	38.8	39.1	-	3.2	3.6	3.4	3.6	-
Dairy products .....	202	41.9	41.5	42.2	42.3	-	4.7	4.4	4.8	4.9	-
Cheese, natural and processed .....	2022	40.1	40.3	40.2	40.2	-	3.7	3.8	3.3	3.2	-
Fluid milk .....	2026	42.8	42.5	42.5	42.5	-	4.7	4.6	4.5	4.7	-
Preserved fruits and vegetables .....	203	39.4	41.8	39.0	39.1	-	5.1	6.4	4.3	5.0	-
Canned specialties .....	2032	44.1	43.7	43.3	42.7	-	6.8	6.9	5.8	5.7	-
Canned fruits and vegetables .....	2033	40.0	43.3	39.3	40.0	-	6.0	7.3	3.8	5.7	-
Frozen fruits and vegetables .....	2037	39.0	40.6	37.8	36.4	-	4.5	5.6	4.0	4.7	-
Grain mill products .....	204	44.0	44.2	44.5	44.4	-	6.7	6.8	6.5	6.7	-
Flour and other grain mill products .....	2041	47.3	48.4	46.1	46.9	-	6.4	7.4	6.3	6.8	-
Prepared feeds, nec .....	2048	44.7	44.1	43.5	43.3	-	6.5	6.4	5.9	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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$15.18	\$15.27	\$15.82	\$15.56	\$15.79	\$623.90	\$639.81	\$681.84	\$651.96	\$677.39
Motor vehicles and equipment .....	371	15.42	15.50	16.15	15.70	16.10	646.10	661.85	721.91	667.25	713.23
Motor vehicles and car bodies .....	3711	18.12	18.37	19.53	19.08	-	744.73	777.05	863.23	807.08	-
Truck and bus bodies .....	3713	13.91	14.02	13.84	13.26	-	596.74	600.06	620.03	583.44	-
Motor vehicle parts and accessories .....	3714	14.26	14.26	14.81	14.33	-	604.62	616.03	670.89	609.03	-
Truck trailers .....	3715	9.87	9.82	9.76	9.70	-	407.63	409.49	420.66	413.22	-
Aircraft and parts .....	372	16.52	16.65	17.16	17.24	-	670.71	689.31	708.71	715.46	-
Aircraft .....	3721	( <sup>r</sup> )	( <sup>r</sup> )	( <sup>r</sup> )	( <sup>r</sup> )	-	-	-	-	-	-
Aircraft engines and engine parts .....	3724	\$16.45	\$16.38	\$16.52	\$16.61	-	\$689.26	\$686.32	\$702.10	\$725.86	-
Aircraft parts and equipment, nec .....	3728	14.79	14.92	15.92	15.84	-	593.08	610.23	657.50	644.69	-
Ship and boat building and repairing .....	373	12.02	12.09	12.30	12.39	-	475.99	483.60	487.08	499.32	-
Ship building and repairing .....	3731	12.98	13.04	13.39	13.44	-	515.31	528.12	534.26	551.04	-
Boat building and repairing .....	3732	9.60	9.62	9.88	9.93	-	378.32	374.22	385.32	385.28	-
Railroad equipment .....	374	14.45	14.51	15.03	14.86	-	593.90	596.36	646.29	601.83	-
Guided missiles, space vehicles, and parts .....	376	16.07	16.05	16.61	16.80	-	642.80	651.63	679.35	707.28	-
Guided missiles and space vehicles .....	3761	( <sup>r</sup> )	( <sup>r</sup> )	( <sup>r</sup> )	( <sup>r</sup> )	-	-	-	-	-	-
Misc. transportation equipment .....	379	\$10.78	\$10.80	\$11.17	\$11.17	-	\$413.95	\$427.68	\$446.80	\$451.27	-
Travel trailers and campers .....	3792	9.97	10.02	10.81	10.96	-	385.84	398.80	422.67	441.69	-
Instruments and related products .....	38	11.89	11.90	12.20	12.26	12.23	480.36	486.71	503.86	497.76	500.21
Search and navigation equipment .....	381	15.47	15.54	16.19	16.23	-	623.44	623.15	660.55	655.69	-
Measuring and controlling devices .....	382	11.58	11.58	12.03	12.09	-	467.83	473.62	498.04	489.65	-
Environmental controls .....	3822	9.97	9.92	10.62	10.70	-	389.83	396.80	435.42	423.72	-
Process control instruments .....	3823	11.48	11.40	11.65	11.63	-	469.53	478.80	476.49	469.85	-
Instruments to measure electricity .....	3825	12.14	12.29	13.12	13.27	-	475.89	491.60	548.42	542.74	-
Medical instruments and supplies .....	384	10.41	10.51	10.82	10.86	-	419.52	433.01	444.70	439.83	-
Surgical and medical instruments .....	3841	10.47	10.71	10.74	10.78	-	421.94	451.96	452.15	443.06	-
Surgical appliances and supplies .....	3842	9.99	9.96	10.10	10.18	-	397.60	398.40	405.01	406.18	-
Ophthalmic goods .....	385	8.49	8.51	8.72	8.74	-	329.41	327.64	348.80	347.85	-
Photographic equipment and supplies .....	386	14.77	14.63	14.69	14.77	-	630.68	629.09	628.73	624.77	-
Watches, clocks, watchcases, and parts .....	387	8.06	7.96	8.21	8.31	-	312.73	306.46	341.54	317.44	-
Miscellaneous manufacturing industries .....	39	9.13	9.09	9.35	9.38	9.35	359.72	362.69	369.33	363.94	370.26
Jewelry, silverware, and plated ware .....	391	9.50	9.53	9.66	9.59	-	346.75	364.05	368.05	348.12	-
Jewelry, precious metal .....	3911	9.44	9.50	9.55	9.47	-	337.95	357.20	359.06	337.13	-
Musical instruments .....	393	8.97	8.89	8.95	9.41	-	339.96	344.93	349.05	354.76	-
Toys and sporting goods .....	394	8.55	8.47	8.78	8.87	-	342.00	343.04	347.69	347.70	-
Dolls, games, toys, and children's vehicles .....	3942,4	8.28	8.31	8.51	8.50	-	327.06	332.40	324.23	320.45	-
Sporting and athletic goods, nec .....	3949	8.71	8.57	8.94	9.08	-	351.01	349.66	362.07	364.11	-
Pens, pencils, office, and art supplies .....	395	10.00	9.90	10.35	10.32	-	400.00	391.05	416.07	421.06	-
Costume jewelry and notions .....	396	7.82	7.85	8.09	8.32	-	315.15	323.42	321.98	316.16	-
Costume jewelry .....	3961	6.90	6.96	7.20	7.61	-	278.76	287.45	276.48	280.05	-
Miscellaneous manufactures .....	399	9.57	9.56	9.80	9.72	-	379.93	383.36	389.06	382.97	-
Signs and advertising specialties .....	3993	9.77	9.91	9.99	9.90	-	388.85	397.39	397.60	395.01	-
<b>Nondurable goods</b> .....		10.75	10.72	10.96	11.03	10.98	431.08	435.23	444.98	444.51	446.89
<b>Food and kindred products</b> .....	20	10.18	10.13	10.45	10.46	10.38	409.24	416.34	423.23	424.68	427.66
Meat products .....	201	8.29	8.34	8.47	8.50	-	325.80	336.94	341.34	342.55	-
Meat packing plants .....	2011	9.09	9.21	9.21	9.25	-	363.60	385.90	382.22	378.33	-
Sausages and other prepared meats .....	2013	9.63	9.64	9.91	10.01	-	400.61	401.99	421.18	426.43	-
Poultry slaughtering and processing .....	2015	7.25	7.27	7.44	7.47	-	276.23	282.80	288.67	292.08	-
Dairy products .....	202	11.30	11.33	11.61	11.63	-	473.47	470.20	489.94	491.95	-
Cheese, natural and processed .....	2022	10.17	10.20	10.43	10.37	-	407.82	411.06	419.29	416.87	-
Fluid milk .....	2026	12.06	12.04	12.37	12.36	-	516.17	511.70	525.73	525.30	-
Preserved fruits and vegetables .....	203	9.68	9.51	10.10	10.10	-	381.39	397.52	393.90	394.91	-
Canned specialties .....	2032	12.89	12.56	13.26	13.21	-	568.45	548.87	574.16	564.07	-
Canned fruits and vegetables .....	2033	10.17	9.83	10.62	10.42	-	406.60	425.64	417.37	416.80	-
Frozen fruits and vegetables .....	2037	8.46	8.48	9.00	9.19	-	329.94	344.29	340.20	334.52	-
Grain mill products .....	204	12.32	12.26	12.67	12.71	-	542.08	541.89	563.82	564.32	-
Flour and other grain mill products .....	2041	10.92	10.98	10.68	10.65	-	516.52	531.43	492.35	499.49	-
Prepared feeds, nec .....	2048	9.78	9.80	10.11	10.15	-	437.17	432.18	439.79	439.50	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	39.3	39.7	39.9	39.7	-	4.3	4.4	4.7	4.7	-
Bread, cake, and related products .....	2051	39.3	39.2	39.6	39.7	-	4.3	4.4	4.8	4.9	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	39.4	40.5	40.4	39.6	-	4.1	4.3	4.6	4.3	-
Sugar and confectionery products .....	206	39.9	40.8	39.7	40.1	-	3.5	4.4	3.2	3.7	-
Raw cane sugar .....	2061	38.2	40.3	42.6	45.5	-	4.0	3.8	4.5	6.1	-
Cane sugar refining .....	2062	46.0	45.5	42.7	48.3	-	7.4	7.9	5.7	9.1	-
Beet sugar .....	2063	42.5	43.0	38.8	40.6	-	4.4	5.3	4.1	4.6	-
Candy and other confectionery products .....	2064	36.3	39.2	38.6	39.1	-	2.8	3.9	2.5	3.0	-
Fats and oils .....	207	43.3	43.5	43.5	43.8	-	5.6	5.8	5.5	6.0	-
Beverages .....	208	42.0	41.5	42.0	42.8	-	5.1	5.2	5.4	6.1	-
Malt beverages .....	2082	43.2	42.8	42.9	42.8	-	7.1	6.9	7.5	7.5	-
Bottled and canned soft drinks .....	2086	41.6	41.1	42.1	43.6	-	5.0	4.7	5.3	6.4	-
Misc. food and kindred products .....	209	39.4	40.0	39.0	39.8	-	4.7	5.0	4.2	5.1	-
Tobacco products .....	21	38.1	39.1	38.5	36.0	38.0	2.8	2.1	2.4	2.3	-
Cigarettes .....	211	38.1	38.7	38.0	35.4	-	3.1	2.2	2.2	2.3	-
Textile mill products .....	22	40.6	41.4	41.8	40.9	41.7	4.4	4.5	4.6	4.2	-
Broadwoven fabric mills, cotton .....	221	41.6	42.5	41.3	40.3	-	6.3	6.0	5.3	4.9	-
Broadwoven fabric mills, synthetics .....	222	41.4	41.7	42.0	41.1	-	4.2	4.4	4.3	3.9	-
Broadwoven fabric mills, wool .....	223	41.8	40.8	44.5	44.1	-	7.4	6.4	6.6	6.3	-
Narrow fabric mills .....	224	39.0	40.0	40.7	40.4	-	2.8	3.1	2.9	2.8	-
Knitting mills .....	225	39.5	40.1	40.4	39.6	-	3.4	3.6	3.5	3.2	-
Women's hosiery, except socks .....	2251	37.3	38.9	38.4	35.5	-	2.7	3.1	2.2	1.5	-
Hosiery, nec .....	2252	38.2	38.8	38.2	39.3	-	2.9	2.9	3.3	3.6	-
Knit outerwear mills .....	2253	40.7	40.8	40.2	40.4	-	4.0	4.0	2.9	3.1	-
Knit underwear mills .....	2254	38.3	39.6	40.5	40.2	-	2.1	2.3	2.3	2.3	-
Weft knit fabric mills .....	2257	40.6	41.3	41.3	39.7	-	4.0	4.4	4.8	4.2	-
Textile finishing, except wool .....	226	42.6	42.8	43.7	42.2	-	5.3	5.6	6.1	5.3	-
Finishing plants, cotton .....	2261	42.5	42.5	43.3	43.2	-	5.1	5.5	5.9	5.8	-
Finishing plants, synthetics .....	2262	42.2	42.8	43.1	39.6	-	5.2	5.5	5.5	4.2	-
Carpets and rugs .....	227	41.8	42.6	44.1	43.4	-	5.2	5.3	5.6	6.1	-
Yarn and thread mills .....	228	40.5	40.8	41.5	40.1	-	4.0	4.1	4.6	4.1	-
Yarn spinning mills .....	2281	41.3	41.1	41.9	40.6	-	4.3	4.2	4.7	4.1	-
Throwing and winding mills .....	2282	36.8	38.4	36.0	35.8	-	2.1	3.2	3.1	3.1	-
Miscellaneous textile goods .....	229	41.5	42.5	43.5	42.7	-	3.9	4.5	4.7	4.5	-
Apparel and other textile products .....	23	37.0	37.4	37.4	36.9	37.5	1.7	2.0	1.9	1.7	-
Men's and boys' suits and coats .....	231	36.9	35.9	36.8	36.6	-	.8	.9	1.1	1.1	-
Men's and boys' furnishings .....	232	37.0	37.4	37.4	36.9	-	1.6	1.8	1.6	1.5	-
Men's and boys' shirts .....	2321	37.1	37.3	36.4	35.4	-	1.3	1.4	1.1	1.0	-
Men's and boys' trousers and slacks .....	2325	37.2	36.8	37.5	37.5	-	1.7	1.8	2.0	1.9	-
Men's and boys' work clothing .....	2326	35.7	37.5	37.4	37.2	-	1.5	1.9	1.3	1.3	-
Women's and misses' outerwear .....	233	36.1	36.7	36.2	36.2	-	1.6	1.8	1.6	1.6	-
Women's and misses' blouses and shirts .....	2331	35.7	35.4	36.0	36.0	-	1.0	1.0	1.1	1.3	-
Women's, juniors', and misses' dresses .....	2335	35.8	36.0	36.1	35.9	-	1.7	1.9	2.1	2.0	-
Women's and misses' suits and coats .....	2337	36.7	38.0	36.3	37.2	-	2.0	2.2	1.5	1.7	-
Women's and misses' outerwear, nec .....	2339	36.1	36.8	36.2	36.1	-	1.5	1.9	1.5	1.5	-
Women's and children's undergarments .....	234	37.1	38.5	38.2	37.0	-	1.8	2.3	1.9	1.8	-
Women's and children's underwear .....	2341	37.5	39.1	36.7	37.3	-	1.8	2.4	2.0	1.8	-
Brassieres, girdles, and allied garments .....	2342	35.1	36.0	35.9	35.5	-	1.9	2.0	1.5	1.8	-
Girls' and children's outerwear .....	236	37.1	36.2	37.5	37.1	-	1.7	1.5	2.0	1.6	-
Girls' and children's dresses and blouses .....	2361	36.8	34.9	36.9	36.8	-	1.8	1.5	1.8	1.5	-
Misc. apparel and accessories .....	236	37.3	37.2	37.4	37.4	-	1.3	1.5	1.6	1.2	-
Misc. fabricated textile products .....	239	38.1	39.0	38.9	38.0	-	2.2	2.8	2.7	2.3	-
Curtains and draperies .....	2391	35.1	37.6	37.1	36.4	-	1.7	1.8	1.6	1.6	-
House furnishings, nec .....	2392	38.2	38.7	37.2	36.9	-	2.4	2.8	1.8	1.9	-
Automotive and apparel trimmings .....	2396	36.9	40.5	40.4	36.7	-	2.1	3.6	3.3	2.4	-
Paper and allied products .....	26	43.3	43.4	43.6	43.2	43.4	5.4	5.5	5.2	5.4	-
Paper mills .....	262	45.2	45.0	45.7	44.9	-	6.4	6.2	6.1	6.1	-
Paperboard mills .....	263	44.5	44.5	44.9	44.7	-	7.2	7.1	6.4	6.7	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>a</sup>	Aug. 1993 <sup>a</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>a</sup>	Aug. 1993 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
<b>Food and kindred products—Continued</b>											
Bakery products .....	205	\$11.51	\$11.47	\$11.74	\$11.78	-	\$452.34	\$455.36	\$468.43	\$467.67	-
Bread, cake, and related products .....	2051	11.42	11.40	11.73	11.80	-	448.81	446.88	464.51	468.46	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	11.88	11.61	11.77	11.74	-	460.19	470.21	475.51	464.90	-
Sugar and confectionery products .....	206	11.32	11.14	11.55	11.67	-	451.67	454.51	458.54	467.97	-
Raw cane sugar .....	2061	10.76	10.69	10.87	10.28	-	411.03	430.81	463.06	467.74	-
Cane sugar refining .....	2062	15.11	15.19	15.69	16.28	-	695.06	691.15	669.96	786.32	-
Beet sugar .....	2063	12.09	12.32	12.86	13.00	-	513.83	529.76	498.97	527.80	-
Candy and other confectionery products .....	2064	10.45	10.25	10.60	10.65	-	400.24	401.80	409.16	416.42	-
Fats and oils .....	207	11.02	11.03	11.04	11.13	-	477.17	479.81	480.24	487.49	-
Beverages .....	208	14.32	14.37	14.43	14.59	-	601.44	596.36	606.06	624.45	-
Malt beverages .....	2082	19.69	19.57	19.82	20.02	-	850.61	837.60	850.28	856.86	-
Bottled and canned soft drinks .....	2086	11.85	11.70	11.85	12.06	-	486.97	480.87	498.69	525.82	-
Misc. food and kindred products .....	209	9.21	9.30	9.52	9.40	-	362.87	372.00	371.28	374.12	-
Tobacco products .....	21	18.60	16.56	18.19	18.61	\$17.81	708.66	647.50	700.32	669.96	\$676.78
Cigarettes .....	211	20.99	20.96	20.89	21.18	-	799.72	811.15	793.82	749.77	-
Textile mill products .....	22	8.60	8.61	8.87	8.88	8.91	350.88	356.45	370.77	363.19	371.55
Broadwoven fabric mills, cotton .....	221	8.98	8.93	9.25	9.28	-	373.57	379.53	382.03	373.98	-
Broadwoven fabric mills, synthetics .....	222	9.28	9.29	9.63	9.70	-	384.19	387.39	404.46	398.67	-
Broadwoven fabric mills, wool .....	223	9.08	9.01	9.46	9.40	-	379.54	367.61	420.97	414.54	-
Narrow fabric mills .....	224	8.18	8.17	8.12	8.25	-	319.02	326.80	330.48	333.30	-
Knitting mills .....	225	7.87	7.92	8.12	8.09	-	310.87	317.59	328.05	320.36	-
Women's hosiery, except socks .....	2251	7.41	7.52	7.56	7.52	-	276.39	292.53	290.30	266.96	-
Hosiery, nec .....	2252	7.51	7.54	7.75	7.79	-	286.88	292.55	303.80	306.15	-
Knit outerwear mills .....	2253	7.65	7.70	7.77	7.70	-	311.36	312.62	312.35	311.08	-
Knit underwear mills .....	2254	7.67	7.74	8.15	8.13	-	293.76	306.50	330.08	326.83	-
Wet knit fabric mills .....	2257	8.78	8.76	9.19	9.19	-	356.47	361.79	379.55	364.84	-
Textile finishing, except wool .....	226	8.91	9.00	9.15	9.12	-	379.57	385.20	399.86	384.86	-
Finishing plants, cotton .....	2261	8.93	8.99	9.05	9.09	-	379.53	382.08	391.87	392.69	-
Finishing plants, synthetics .....	2262	9.22	9.33	9.65	9.53	-	389.08	399.32	415.92	377.39	-
Carpets and rugs .....	227	8.68	8.57	8.84	8.97	-	362.82	366.80	389.64	389.30	-
Yarn and thread mills .....	228	8.27	8.33	8.62	8.57	-	334.94	339.86	357.73	343.66	-
Yarn spinning mills .....	2281	8.25	8.27	8.59	8.53	-	340.73	339.90	359.92	346.32	-
Throwing and winding mills .....	2282	8.63	8.72	8.95	9.06	-	317.58	334.85	340.10	324.35	-
Miscellaneous textile goods .....	229	10.07	10.10	10.40	10.43	-	417.91	429.25	452.40	445.36	-
Apparel and other textile products .....	23	6.94	6.97	7.07	7.03	7.09	256.78	260.68	264.42	259.41	265.88
Men's and boys' suits and coats .....	231	7.66	7.53	7.71	7.83	-	282.65	270.33	283.73	286.58	-
Men's and boys' furnishings .....	232	6.49	6.50	6.68	6.68	-	240.13	243.10	249.83	246.49	-
Men's and boys' shirts .....	2321	6.51	6.49	6.66	6.65	-	241.52	242.08	242.42	235.41	-
Men's and boys' trousers and slacks .....	2325	6.27	6.36	6.54	6.56	-	233.24	234.05	245.25	246.00	-
Men's and boys' work clothing .....	2326	6.34	6.31	6.42	6.47	-	226.34	236.63	240.11	240.68	-
Women's and misses' outerwear .....	233	6.55	6.56	6.66	6.62	-	236.46	240.75	241.09	239.64	-
Women's and misses' blouses and shirts .....	2331	5.86	6.00	6.16	6.08	-	209.20	212.40	221.76	218.88	-
Women's, juniors', and misses' dresses .....	2335	7.05	6.95	7.23	7.32	-	252.39	250.20	261.00	262.79	-
Women's and misses' suits and coats .....	2337	7.01	7.01	7.05	7.02	-	257.27	266.38	255.92	261.14	-
Women's and misses' outerwear, nec .....	2339	6.45	6.46	6.53	6.48	-	232.85	237.73	236.39	233.93	-
Women's and children's undergarments .....	234	6.66	6.76	6.84	6.77	-	247.09	260.26	261.29	250.49	-
Women's and children's underwear .....	2341	6.46	6.58	6.63	6.57	-	242.25	257.28	256.58	245.06	-
Brassieres, girdles, and allied garments .....	2342	7.65	7.66	7.81	7.69	-	268.52	275.76	280.38	273.00	-
Girls' and children's outerwear .....	236	6.28	6.33	6.41	6.37	-	232.99	229.15	240.38	236.33	-
Girls' and children's dresses and blouses .....	2361	6.21	6.32	6.33	6.26	-	228.53	220.57	233.58	230.37	-
Misc. apparel and accessories .....	238	6.77	6.79	6.84	6.77	-	252.52	252.59	255.82	253.20	-
Misc. fabricated textile products .....	239	8.27	8.36	8.29	8.15	-	315.09	326.04	322.48	309.70	-
Curtains and draperies .....	2391	7.18	7.05	7.16	7.22	-	252.02	265.08	265.64	262.81	-
House furnishings, nec .....	2392	7.06	7.12	7.22	7.25	-	269.69	275.54	268.58	267.53	-
Automotive and apparel trimmings .....	2396	10.97	11.24	10.55	10.14	-	426.73	455.22	426.22	392.42	-
Paper and allied products .....	26	13.11	13.05	13.39	13.51	13.43	567.66	566.37	583.80	583.63	582.88
Paper mills .....	262	16.19	16.06	16.48	16.72	-	731.79	722.70	753.14	750.73	-
Paperboard mills .....	263	16.28	16.16	16.61	16.77	-	724.46	719.12	745.79	749.62	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
<b>Paper and allied products—Continued</b>											
Paperboard containers and boxes .....	265	42.5	43.3	43.2	43.0	-	5.0	5.4	4.9	5.2	-
Corrugated and solid fiber boxes .....	2653	43.0	44.2	44.0	43.6	-	5.2	5.9	5.4	5.7	-
Sanitary food containers .....	2656	43.2	42.0	43.4	43.6	-	5.6	4.3	5.0	5.5	-
Folding paperboard boxes .....	2657	42.0	42.9	42.7	42.9	-	5.2	5.7	4.7	5.1	-
Misc. converted paper products .....	267	42.3	42.1	42.1	41.7	-	4.5	4.5	4.3	4.6	-
Paper, coated and laminated, nec .....	2672	43.5	42.8	42.4	41.6	-	4.1	4.0	3.9	3.6	-
Bags: plastics, laminated, and coated .....	2673	42.2	41.8	42.2	41.8	-	5.3	4.9	5.0	5.3	-
Envelopes .....	2677	40.8	41.0	40.5	40.6	-	3.3	3.8	3.0	3.4	-
<b>Printing and publishing .....</b>	<b>27</b>	<b>37.7</b>	<b>38.3</b>	<b>38.0</b>	<b>38.1</b>	<b>38.4</b>	<b>2.8</b>	<b>3.2</b>	<b>2.7</b>	<b>2.9</b>	<b>-</b>
Newspapers .....	271	32.5	33.0	33.2	32.8	-	1.0	1.1	1.2	1.1	-
Periodicals .....	272	37.4	38.1	37.2	37.4	-	2.5	3.0	2.5	2.3	-
Books .....	273	39.7	39.9	40.3	39.9	-	3.2	3.5	3.0	3.5	-
Book publishing .....	2731	37.8	38.7	39.5	39.4	-	1.5	2.0	2.1	2.3	-
Book printing .....	2732	42.0	41.3	41.2	40.6	-	5.2	5.2	4.0	5.0	-
Miscellaneous publishing .....	274	35.3	35.9	36.4	36.8	-	1.3	2.2	1.6	1.9	-
Commercial printing .....	275	39.2	40.1	39.4	39.6	-	3.5	4.0	3.3	3.6	-
Commercial printing, lithographic .....	2752	39.2	40.2	39.3	39.4	-	3.4	4.0	3.1	3.4	-
Commercial printing, nec .....	2759	38.8	39.3	39.3	39.6	-	3.2	3.5	3.3	3.5	-
Manifold business forms .....	276	41.3	41.3	41.1	41.6	-	3.7	3.7	3.4	4.4	-
Blankbooks and bookbinding .....	278	38.0	38.4	38.7	38.5	-	2.1	2.7	1.9	1.9	-
Printing trade services .....	279	39.5	39.6	39.0	39.0	-	4.4	4.5	3.8	4.1	-
<b>Chemicals and allied products .....</b>	<b>28</b>	<b>42.7</b>	<b>42.8</b>	<b>43.1</b>	<b>43.0</b>	<b>42.9</b>	<b>4.8</b>	<b>4.9</b>	<b>4.7</b>	<b>4.8</b>	<b>-</b>
Industrial inorganic chemicals .....	281	43.4	42.9	43.8	43.8	-	5.2	5.2	4.7	5.3	-
Industrial inorganic chemicals, nec .....	2819	43.4	42.9	43.4	43.8	-	5.3	5.2	5.0	5.9	-
Plastics materials and synthetics .....	282	43.3	43.6	44.1	43.9	-	5.7	5.9	5.8	6.0	-
Plastics materials and resins .....	2821	43.9	43.9	44.5	44.4	-	6.1	6.2	6.2	6.5	-
Organic fibers, noncellulosic .....	2824	42.7	43.8	43.8	43.3	-	4.8	5.4	5.4	5.1	-
Drugs .....	283	41.4	41.7	40.8	41.1	-	3.7	4.0	3.5	3.6	-
Pharmaceutical preparations .....	2834	41.0	41.6	40.6	40.9	-	3.6	3.9	3.4	3.6	-
Soap, cleaners, and toilet goods .....	284	40.8	41.4	41.9	42.3	-	3.9	4.1	3.4	3.7	-
Soap and other detergents .....	2841	42.1	42.2	42.3	43.4	-	5.4	5.5	4.1	4.6	-
Polishing, sanitation, and finishing preparations .....	2842,3	41.8	42.1	41.5	41.2	-	4.0	4.2	4.2	4.1	-
Toilet preparations .....	2844	39.5	40.6	41.8	42.4	-	2.9	3.2	2.7	2.9	-
Paints and allied products .....	285	41.3	42.0	43.0	42.9	-	3.8	3.7	4.8	4.8	-
Industrial organic chemicals .....	286	45.5	44.9	45.7	44.9	-	6.6	6.2	6.4	6.0	-
Cyclic crudes and intermediates .....	2865	44.5	44.5	44.9	43.6	-	7.0	6.8	8.2	6.9	-
Industrial organic chemicals, nec .....	2869	45.8	45.0	46.0	45.2	-	6.6	6.1	6.0	5.8	-
Agricultural chemicals .....	287	44.5	44.0	44.3	44.1	-	5.7	5.5	5.2	5.3	-
Miscellaneous chemical products .....	289	42.6	42.4	43.2	42.8	-	4.5	4.3	4.7	4.8	-
<b>Petroleum and coal products .....</b>	<b>29</b>	<b>43.4</b>	<b>43.4</b>	<b>44.1</b>	<b>44.0</b>	<b>44.1</b>	<b>5.9</b>	<b>6.1</b>	<b>6.2</b>	<b>6.1</b>	<b>-</b>
Petroleum refining .....	291	42.8	42.7	43.5	43.6	-	5.1	5.1	5.2	5.0	-
Asphalt paving and roofing materials .....	295	46.2	46.4	46.9	46.1	-	9.4	10.0	10.1	9.8	-
<b>Rubber and misc. plastics products .....</b>	<b>30</b>	<b>41.1</b>	<b>41.6</b>	<b>42.0</b>	<b>41.1</b>	<b>41.6</b>	<b>4.0</b>	<b>4.2</b>	<b>4.4</b>	<b>4.1</b>	<b>-</b>
Tires and inner tubes .....	301	43.5	44.1	43.8	42.9	-	6.4	6.4	6.1	6.4	-
Rubber and plastics footwear .....	302	42.4	42.6	42.0	42.7	-	3.4	3.7	3.4	4.8	-
Hose, belting, gaskets, and packing .....	305	40.8	40.9	41.9	41.1	-	3.6	3.7	4.2	3.9	-
Rubber and plastics hose and belting .....	3052	41.8	42.1	43.8	42.2	-	4.0	4.3	5.0	4.8	-
Fabricated rubber products, nec .....	306	40.9	41.8	41.7	40.0	-	3.4	3.8	3.8	3.3	-
Miscellaneous plastics products, nec .....	308	40.8	41.3	41.8	41.1	-	3.8	4.0	4.3	4.0	-
<b>Leather and leather products .....</b>	<b>31</b>	<b>38.5</b>	<b>38.3</b>	<b>38.5</b>	<b>38.1</b>	<b>39.2</b>	<b>2.1</b>	<b>2.3</b>	<b>2.1</b>	<b>2.2</b>	<b>-</b>
Leather tanning and finishing .....	311	41.3	43.1	41.6	40.8	-	4.3	6.0	4.7	4.8	-
Footwear, except rubber .....	314	38.5	37.7	38.3	37.7	-	1.8	1.7	1.8	1.7	-
Men's footwear, except athletic .....	3143	38.2	37.9	38.3	38.6	-	2.1	2.1	2.0	1.6	-
Women's footwear, except athletic .....	3144	39.2	37.1	37.9	38.9	-	1.3	1.4	1.5	1.8	-
Luggage .....	316	34.7	38.1	40.5	38.6	-	1.4	2.2	2.6	2.2	-
Handbags and personal leather goods .....	317	37.6	37.5	36.1	38.7	-	1.4	1.4	.6	.9	-
<b>Transportation and public utilities .....</b>		<b>39.3</b>	<b>39.6</b>	<b>39.7</b>	<b>40.0</b>	<b>40.5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Railroad transportation:</b>											
Class I railroads <sup>2</sup> .....	4011	44.9	45.0	45.8	47.0	-	-	-	-	-	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	\$11.02	\$11.03	\$11.28	\$11.38	-	\$468.35	\$477.60	\$487.30	\$489.34	-
Corrugated and solid fiber boxes .....	2653	11.11	11.13	11.34	11.48	-	477.73	491.95	498.96	500.53	-
Sanitary food containers .....	2656	10.97	10.98	11.29	11.25	-	473.90	461.16	489.99	490.50	-
Folding paperboard boxes .....	2657	11.61	11.66	11.80	11.92	-	487.62	500.21	503.86	511.37	-
Misc. converted paper products .....	267	11.49	11.50	11.79	11.84	-	486.03	484.15	496.36	493.73	-
Paper, coated and laminated, nec .....	2672	12.98	13.01	13.40	13.54	-	564.63	556.83	568.16	563.26	-
Bags: plastics, laminated, and coated .....	2673	10.87	10.90	11.19	11.35	-	458.71	455.62	472.22	474.43	-
Envelopes .....	2677	10.73	10.83	10.96	10.87	-	437.78	444.03	443.88	441.32	-
Printing and publishing .....	27	11.76	11.79	11.84	11.92	\$11.98	443.35	451.56	449.92	454.15	\$460.03
Newspapers .....	271	11.64	11.63	11.83	11.87	-	378.30	383.79	392.76	389.34	-
Periodicals .....	272	12.69	12.80	13.23	13.31	-	474.61	487.68	492.16	497.79	-
Books .....	273	10.64	10.84	10.87	11.05	-	422.41	432.52	438.06	440.90	-
Book publishing .....	2731	10.30	10.50	10.54	10.70	-	389.34	406.35	416.33	421.58	-
Book printing .....	2732	11.01	11.21	11.25	11.44	-	462.42	462.97	463.50	464.46	-
Miscellaneous publishing .....	274	11.14	11.30	11.10	11.16	-	393.24	405.67	404.04	410.69	-
Commercial printing .....	275	11.99	12.00	11.96	12.06	-	470.01	481.20	471.22	477.58	-
Commercial printing, lithographic .....	2752	12.01	12.03	12.05	12.16	-	470.79	483.61	473.57	479.10	-
Commercial printing, nec .....	2759	11.82	11.81	11.59	11.66	-	458.62	464.13	455.49	461.74	-
Manifold business forms .....	276	12.56	12.56	12.52	12.62	-	518.73	518.73	514.57	524.99	-
Blankbooks and bookbinding .....	278	9.06	9.18	9.21	9.22	-	344.28	352.51	356.43	354.97	-
Printing trade services .....	279	14.36	14.32	14.53	14.69	-	567.22	567.07	566.67	572.91	-
Chemicals and allied products .....	28	14.55	14.53	14.75	14.84	14.82	621.29	621.88	635.73	638.12	635.78
Industrial inorganic chemicals .....	281	15.79	15.97	16.18	16.43	-	685.29	685.11	708.68	719.63	-
Industrial inorganic chemicals, nec .....	2819	16.10	16.22	16.58	16.85	-	698.74	695.84	719.57	738.03	-
Plastics materials and synthetics .....	282	15.45	15.42	15.16	15.22	-	668.99	672.31	668.56	668.16	-
Plastics materials and resins .....	2821	15.85	15.80	16.32	16.40	-	695.82	693.62	726.24	728.16	-
Organic fibers, noncellulosic .....	2824	14.86	14.80	13.95	13.89	-	634.52	648.24	611.01	601.44	-
Drugs .....	283	14.10	14.11	14.75	14.78	-	583.74	588.39	601.80	607.46	-
Pharmaceutical preparations .....	2834	14.17	14.17	14.80	14.88	-	580.97	589.47	600.88	608.59	-
Soap, cleaners, and toilet goods .....	284	12.00	11.92	12.22	12.17	-	489.60	493.49	512.02	514.79	-
Soap and other detergents .....	2841	15.50	15.51	15.67	15.95	-	652.55	654.52	662.84	692.23	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.83	10.91	11.71	11.66	-	452.69	459.31	485.97	480.39	-
Toilet preparations .....	2844	10.42	10.31	10.54	10.32	-	411.59	418.59	440.57	437.57	-
Paints and allied products .....	285	12.63	12.55	12.61	12.65	-	521.62	527.10	542.23	542.69	-
Industrial organic chemicals .....	286	17.37	17.38	17.62	17.68	-	790.34	780.36	805.23	793.83	-
Cyclic crudes and intermediates .....	2865	17.22	17.05	17.21	17.29	-	766.29	758.73	772.73	753.84	-
Industrial organic chemicals, nec .....	2869	17.57	17.63	17.86	17.92	-	804.71	793.35	821.56	809.98	-
Agricultural chemicals .....	287	14.84	14.92	14.91	15.23	-	660.38	656.48	660.51	671.84	-
Miscellaneous chemical products .....	289	13.23	13.10	13.37	13.66	-	563.60	555.44	577.58	584.65	-
Petroleum and coal products .....	29	17.74	17.76	18.48	18.45	18.41	769.92	770.78	814.97	811.80	811.88
Petroleum refining .....	291	19.40	19.47	20.50	20.41	-	830.32	831.37	891.75	889.88	-
Asphalt paving and roofing materials .....	295	13.50	13.50	13.79	13.82	-	623.70	626.40	646.75	637.10	-
Rubber and misc. plastics products .....	30	10.39	10.38	10.57	10.61	10.59	427.03	431.81	443.94	436.07	440.54
Tires and inner tubes .....	301	16.76	16.78	17.50	17.53	-	729.06	740.00	766.50	752.04	-
Rubber and plastics footwear .....	302	7.14	7.53	7.65	7.56	-	302.74	320.78	321.30	322.81	-
Hose, belting, gaskets, and packing .....	305	10.30	10.29	10.54	10.58	-	420.24	420.86	441.63	434.84	-
Rubber and plastics hose and belting .....	3052	10.29	10.24	10.82	10.83	-	430.12	431.10	473.92	457.03	-
Fabricated rubber products, nec .....	306	9.85	9.77	9.97	10.03	-	402.87	408.39	415.75	401.20	-
Miscellaneous plastics products, nec .....	308	9.68	9.67	9.81	9.85	-	394.94	399.37	410.06	404.84	-
Leather and leather products .....	31	7.31	7.39	7.56	7.55	7.57	281.44	283.04	291.06	287.66	296.74
Leather tanning and finishing .....	311	9.52	9.65	9.95	9.96	-	393.18	415.92	413.92	406.37	-
Footwear, except rubber .....	314	6.94	6.99	7.12	7.09	-	267.19	263.52	272.70	267.29	-
Men's footwear, except athletic .....	3143	7.58	7.65	7.65	7.69	-	289.56	289.94	293.00	281.45	-
Women's footwear, except athletic .....	3144	6.40	6.46	6.60	6.54	-	250.88	239.67	250.14	254.41	-
Luggage .....	316	7.43	7.72	7.83	7.54	-	257.82	294.13	317.12	291.04	-
Handbags and personal leather goods .....	317	6.49	6.47	6.77	6.83	-	244.02	242.63	244.40	250.66	-
Transportation and public utilities .....		13.42	13.49	13.58	13.66	13.66	527.41	534.20	539.13	546.40	553.23
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	16.34	16.41	16.84	16.99	-	733.67	738.45	771.27	798.53	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	35.9	36.0	34.0	34.6	-	-	-	-	-	-
Local and suburban transportation .....	411	38.8	39.2	38.8	38.2	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	38.0	39.3	38.9	39.6	-	-	-	-	-	-
Trucking and warehousing .....	42	39.1	39.3	39.0	39.1	-	-	-	-	-	-
Trucking and courier services, except air .....	421	39.1	39.3	39.0	39.1	-	-	-	-	-	-
Public warehousing and storage .....	422	39.7	39.9	39.7	39.7	-	-	-	-	-	-
Water transportation:											
Water transportation services .....	449	34.8	35.3	36.0	35.7	-	-	-	-	-	-
Pipelines, except natural gas .....	46	40.6	41.8	41.3	41.4	-	-	-	-	-	-
Transportation services .....	47	36.6	37.5	36.8	36.9	-	-	-	-	-	-
Passenger transportation arrangement .....	472	36.2	37.1	36.1	36.1	-	-	-	-	-	-
Travel agencies .....	4724	36.2	37.0	36.2	36.1	-	-	-	-	-	-
Freight transportation arrangement .....	473	36.6	37.7	37.1	37.6	-	-	-	-	-	-
Communications .....	48	39.6	39.8	39.7	40.0	-	-	-	-	-	-
Telephone communications .....	481	41.1	41.2	41.4	41.7	-	-	-	-	-	-
Telephone communications, except radio .....	4813	41.2	41.2	41.5	41.8	-	-	-	-	-	-
Radio and television broadcasting .....	483	34.6	35.5	34.6	34.6	-	-	-	-	-	-
Cable and other pay television services .....	484	39.6	39.3	39.1	39.2	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	42.0	41.9	42.5	42.6	-	-	-	-	-	-
Electric services .....	491	41.9	41.7	42.4	42.1	-	-	-	-	-	-
Gas production and distribution .....	492	41.9	42.4	42.0	42.3	-	-	-	-	-	-
Combination utility services .....	493	42.0	41.9	43.3	44.2	-	-	-	-	-	-
Sanitary services .....	495	42.6	42.7	43.0	43.2	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.2</b>	<b>38.5</b>	<b>38.3</b>	<b>38.3</b>	<b>38.5</b>	-	-	-	-	-
Durable goods .....	50	38.7	39.0	38.8	38.9	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	38.3	38.4	38.7	38.8	-	-	-	-	-	-
Furniture and home furnishings .....	502	36.9	37.0	37.0	37.1	-	-	-	-	-	-
Lumber and other construction materials .....	503	40.3	40.5	40.2	40.3	-	-	-	-	-	-
Professional and commercial equipment .....	504	38.9	39.3	38.9	39.1	-	-	-	-	-	-
Medical and hospital equipment .....	5047	37.1	37.7	38.1	38.3	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	39.6	40.1	40.5	40.4	-	-	-	-	-	-
Electrical goods .....	506	38.6	38.8	38.2	38.2	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.7	39.1	38.9	38.8	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.2	39.7	39.5	39.6	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	37.0	37.2	37.4	37.3	-	-	-	-	-	-
Nondurable goods .....	51	37.6	37.8	37.5	37.5	-	-	-	-	-	-
Paper and paper products .....	511	36.7	37.2	36.4	36.3	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	36.8	37.5	36.9	37.1	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	37.0	37.3	36.7	36.6	-	-	-	-	-	-
Groceries and related products .....	514	38.5	38.6	38.6	38.6	-	-	-	-	-	-
Farm-product raw materials .....	515	35.8	35.7	35.6	35.8	-	-	-	-	-	-
Chemicals and allied products .....	516	40.1	40.3	39.8	39.7	-	-	-	-	-	-
Petroleum and petroleum products .....	517	38.1	38.3	37.5	37.7	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	37.3	37.3	37.2	37.7	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.5	36.6	36.6	36.6	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>29.3</b>	<b>29.6</b>	<b>29.1</b>	<b>29.6</b>	<b>29.8</b>	-	-	-	-	-
Building materials and garden supplies .....	52	36.9	37.1	36.9	37.2	-	-	-	-	-	-
Lumber and other building materials .....	521	38.8	38.9	39.0	39.1	-	-	-	-	-	-
Paint, glass, and wallpaper stores .....	523	36.5	36.8	36.9	36.9	-	-	-	-	-	-
Hardware stores .....	525	33.0	33.3	32.7	33.1	-	-	-	-	-	-
Retail nurseries and garden stores .....	526	34.5	34.8	33.9	34.6	-	-	-	-	-	-
General merchandise stores .....	53	29.4	29.5	29.3	29.7	-	-	-	-	-	-
Department stores .....	531	29.5	29.5	29.4	29.8	-	-	-	-	-	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	\$10.11	\$10.05	\$9.99	\$10.08	-	\$362.95	\$361.80	\$339.66	\$348.77	-
Local and suburban transportation .....	411	10.69	10.51	10.65	10.67	-	414.77	411.99	413.22	407.59	-
Intercity and rural bus transportation .....	413	13.43	13.36	12.76	12.79	-	510.34	525.05	496.36	506.48	-
Trucking and warehousing .....	42	12.02	12.10	12.28	12.28	-	469.98	475.53	478.92	480.15	-
Trucking and courier services, except air .....	421	12.18	12.26	12.44	12.43	-	476.24	481.82	485.16	486.01	-
Public warehousing and storage .....	422	9.96	9.95	10.08	10.17	-	395.41	397.01	400.18	403.75	-
Water transportation:											
Water transportation services .....	449	16.32	16.35	16.75	17.07	-	567.94	577.16	603.00	609.40	-
Pipelines, except natural gas .....	46	18.68	18.56	19.36	19.16	-	758.41	775.81	799.57	793.22	-
Transportation services .....	47	10.74	10.84	11.03	11.04	-	393.08	406.50	405.90	407.38	-
Passenger transportation arrangement .....	472	9.82	9.93	10.09	10.14	-	355.48	368.40	364.25	366.05	-
Travel agencies .....	4724	9.83	9.93	10.00	10.06	-	355.85	367.41	362.00	363.17	-
Freight transportation arrangement .....	473	12.02	12.08	12.43	12.38	-	439.93	455.42	461.15	465.49	-
Communications .....	48	14.35	14.46	14.91	14.92	-	568.26	575.51	591.93	596.80	-
Telephone communications .....	481	14.98	15.16	15.56	15.55	-	615.68	624.59	644.18	648.44	-
Telephone communications, except radio .....	4813	15.13	15.31	15.74	15.71	-	623.36	630.77	653.21	656.68	-
Radio and television broadcasting .....	483	13.88	13.79	14.33	14.39	-	480.25	489.55	495.82	497.89	-
Cable and other pay television services .....	484	10.97	10.99	11.60	11.61	-	434.41	431.91	453.56	455.11	-
Electric, gas, and sanitary services .....	49	16.09	16.10	16.60	16.73	-	675.78	674.59	705.50	712.70	-
Electric services .....	491	16.79	16.68	17.16	17.35	-	703.50	695.56	727.58	730.44	-
Gas production and distribution .....	492	15.20	15.40	16.13	16.08	-	636.88	652.96	677.46	680.18	-
Combination utility services .....	493	18.88	19.00	19.84	19.98	-	792.96	796.10	859.07	883.12	-
Sanitary services .....	495	11.98	12.00	11.98	12.05	-	510.35	512.40	515.14	520.56	-
<b>Wholesale trade .....</b>		<b>11.36</b>	<b>11.42</b>	<b>11.64</b>	<b>11.71</b>	<b>\$11.74</b>	<b>433.95</b>	<b>439.67</b>	<b>445.81</b>	<b>448.49</b>	<b>\$451.99</b>
Durable goods .....	50	11.69	11.75	11.96	12.06	-	452.40	458.25	464.05	469.13	-
Motor vehicles, parts, and supplies .....	501	10.34	10.41	10.52	10.65	-	396.02	399.74	407.12	413.22	-
Furniture and home furnishings .....	502	10.30	10.33	10.65	10.68	-	380.07	382.21	394.05	396.23	-
Lumber and other construction materials .....	503	10.99	11.05	11.11	11.14	-	442.90	447.53	446.62	448.94	-
Professional and commercial equipment .....	504	13.89	13.91	14.38	14.58	-	540.32	546.66	559.38	570.08	-
Medical and hospital equipment .....	5047	12.75	12.79	13.14	13.12	-	473.03	482.18	500.63	502.50	-
Metals and minerals, except petroleum .....	505	11.83	11.82	12.01	12.05	-	468.47	473.98	486.41	486.82	-
Electrical goods .....	506	11.96	12.14	12.42	12.52	-	461.66	471.03	474.44	478.26	-
Hardware, plumbing, and heating equipment .....	507	11.16	11.21	11.26	11.29	-	431.89	438.31	438.01	438.05	-
Machinery, equipment, and supplies .....	508	11.66	11.74	11.89	11.92	-	457.07	466.08	469.66	472.03	-
Misc. wholesale trade durable goods .....	509	9.12	9.14	9.38	9.54	-	337.44	340.01	350.81	355.84	-
Nondurable goods .....	51	10.92	10.97	11.20	11.25	-	410.59	414.67	420.00	421.88	-
Paper and paper products .....	511	11.54	11.53	11.85	11.88	-	423.52	428.92	431.34	431.24	-
Drugs, proprietaries, and sundries .....	512	12.78	13.09	13.43	13.38	-	470.30	490.88	495.57	496.40	-
Apparel, piece goods, and notions .....	513	10.62	10.56	10.89	10.96	-	392.94	393.89	399.66	401.14	-
Groceries and related products .....	514	11.06	11.08	11.46	11.50	-	425.81	427.69	442.36	443.90	-
Farm-product raw materials .....	515	8.26	8.16	8.36	8.35	-	295.71	291.31	297.62	298.93	-
Chemicals and allied products .....	516	12.97	13.17	13.13	13.23	-	520.10	530.75	522.57	525.23	-
Petroleum and petroleum products .....	517	10.48	10.56	10.50	10.56	-	399.29	404.45	393.75	398.11	-
Beer, wine, and distilled beverages .....	518	12.93	12.88	13.03	13.11	-	482.29	480.42	484.72	494.25	-
Misc. wholesale trade nondurable goods .....	519	9.28	9.35	9.42	9.48	-	338.72	342.21	344.77	346.97	-
<b>Retail trade .....</b>		<b>7.09</b>	<b>7.09</b>	<b>7.26</b>	<b>7.25</b>	<b>7.24</b>	<b>207.74</b>	<b>209.86</b>	<b>211.27</b>	<b>214.60</b>	<b>215.75</b>
Building materials and garden supplies .....	52	8.38	8.44	8.57	8.61	-	309.22	313.12	316.23	320.29	-
Lumber and other building materials .....	521	8.75	8.81	8.94	8.94	-	339.50	342.71	348.66	349.55	-
Paint, glass, and wallpaper stores .....	523	8.95	8.97	9.24	9.23	-	326.68	330.10	340.96	340.59	-
Hardware stores .....	525	7.14	7.19	7.39	7.38	-	235.62	239.43	241.65	244.28	-
Retail nurseries and garden stores .....	526	7.36	7.40	7.45	7.57	-	253.92	257.52	252.56	261.92	-
General merchandise stores .....	53	7.18	7.18	7.30	7.27	-	211.09	211.81	213.89	215.92	-
Department stores .....	531	7.23	7.23	7.30	7.26	-	213.29	213.29	214.62	216.35	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Retail trade—Continued</b>											
General merchandise stores—Continued											
Variety stores .....	533	27.9	28.3	27.9	28.4	-	-	-	-	-	-
Misc. general merchandise stores .....	539	30.2	30.3	29.3	29.8	-	-	-	-	-	-
Food stores .....											
Grocery stores .....	54	30.4	30.4	30.3	30.8	-	-	-	-	-	-
Retail bakeries .....	541	30.6	30.6	30.5	31.0	-	-	-	-	-	-
.....	546	28.7	29.3	28.8	29.0	-	-	-	-	-	-
Automotive dealers and service stations .....											
New and used car dealers .....	55	36.3	36.5	36.3	36.5	-	-	-	-	-	-
Auto and home supply stores .....	551	37.5	37.8	37.6	37.6	-	-	-	-	-	-
Gasoline service stations .....	553	38.5	38.8	38.5	38.8	-	-	-	-	-	-
Automotive dealers, nec .....	554	33.8	33.8	33.6	33.8	-	-	-	-	-	-
.....	559	34.6	34.9	33.4	33.7	-	-	-	-	-	-
Apparel and accessory stores .....											
Men's and boys' clothing stores .....	56	27.2	27.4	26.4	27.0	-	-	-	-	-	-
Women's clothing stores .....	561	29.0	29.4	29.2	29.4	-	-	-	-	-	-
Family clothing stores .....	562	24.7	24.7	24.0	24.4	-	-	-	-	-	-
Shoe stores .....	565	26.2	26.4	27.8	28.3	-	-	-	-	-	-
.....	566	28.9	29.5	26.8	27.8	-	-	-	-	-	-
Furniture and home furnishings stores .....											
Furniture and home furnishings stores .....	57	33.4	33.6	33.2	33.3	-	-	-	-	-	-
Household appliance stores .....	571	33.3	33.6	33.4	33.4	-	-	-	-	-	-
Radio, television, and computer stores .....	572	34.7	34.4	33.9	34.4	-	-	-	-	-	-
Radio, television, and electronic stores .....	573	33.2	33.4	32.8	32.8	-	-	-	-	-	-
Record and prerecorded tape stores .....	5731	32.9	32.9	32.6	32.5	-	-	-	-	-	-
.....	5735	28.6	29.2	26.7	29.1	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	25.7	26.3	25.3	26.0	-	-	-	-	-	-
Miscellaneous retail establishments .....											
Drug stores and proprietary stores .....	59	30.1	30.4	29.9	30.3	-	-	-	-	-	-
Used merchandise stores .....	591	28.6	28.8	28.4	28.5	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	593	32.1	32.8	32.5	32.6	-	-	-	-	-	-
Nonstore retailers .....	594	29.0	29.2	28.4	29.2	-	-	-	-	-	-
Fuel dealers .....	596	34.0	34.2	33.9	33.9	-	-	-	-	-	-
Retail stores, nec .....	598	36.3	37.3	36.9	37.2	-	-	-	-	-	-
.....	599	31.2	31.5	31.2	31.6	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup> .....</b>		<b>35.6</b>	<b>36.3</b>	<b>35.6</b>	<b>35.6</b>	<b>36.5</b>	-	-	-	-	-
Depository institutions .....											
Commercial banks .....	80	35.2	36.1	35.0	35.2	-	-	-	-	-	-
State commercial banks .....	602	35.0	35.9	34.8	35.1	-	-	-	-	-	-
National and commercial banks, nec .....	6022	35.5	36.4	35.6	35.7	-	-	-	-	-	-
Credit unions .....	6021,9	34.7	35.5	34.2	34.6	-	-	-	-	-	-
.....	606	35.8	36.3	35.7	35.7	-	-	-	-	-	-
Nondepository institutions .....											
Personal credit institutions .....	61	37.5	38.5	37.5	37.1	-	-	-	-	-	-
.....	614	38.0	38.2	37.6	36.7	-	-	-	-	-	-
Security and commodity brokers:											
Security and commodity services .....	628	36.1	36.8	35.7	35.8	-	-	-	-	-	-
Insurance carriers .....											
Life insurance .....	63	37.5	37.9	37.7	37.7	-	-	-	-	-	-
Medical service and health insurance .....	631	37.0	37.5	37.4	37.5	-	-	-	-	-	-
Hospital and medical service plans .....	632	38.3	38.3	38.3	38.3	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	6324	38.1	38.0	38.2	38.3	-	-	-	-	-	-
.....	633	37.4	37.7	37.4	37.4	-	-	-	-	-	-
<b>Services .....</b>		<b>32.7</b>	<b>33.0</b>	<b>32.6</b>	<b>32.6</b>	<b>33.1</b>	-	-	-	-	-
Agricultural services .....											
Veterinary services .....	07	35.0	35.3	35.6	35.2	-	-	-	-	-	-
Landscape and horticultural services .....	074	29.6	30.1	29.7	30.0	-	-	-	-	-	-
.....	078	37.2	37.6	38.0	37.3	-	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	31.1	32.3	31.2	31.6	-	-	-	-	-	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Retail trade—Continued</b>											
General merchandise stores—Continued											
Variety stores .....	533	\$6.03	\$6.04	\$6.57	\$6.61	-	\$168.24	\$170.93	\$183.30	\$187.72	-
Misc. general merchandise stores .....	539	7.51	7.58	7.87	7.84	-	228.80	229.67	230.59	233.63	-
Food stores .....											
Food stores .....	54	7.51	7.54	7.81	7.76	-	228.30	229.22	236.64	239.01	-
Grocery stores .....	541	7.58	7.62	7.91	7.85	-	231.95	233.17	241.26	243.35	-
Retail bakeries .....	546	6.72	6.67	6.90	6.94	-	192.86	195.43	198.72	201.26	-
Automotive dealers and service stations .....											
Automotive dealers and service stations .....	55	9.34	9.39	9.64	9.71	-	339.04	342.74	349.93	354.42	-
New and used car dealers .....	551	11.70	11.80	12.06	12.24	-	438.75	446.04	453.46	460.22	-
Auto and home supply stores .....	553	8.13	8.14	8.32	8.28	-	313.01	315.83	320.32	321.26	-
Gasoline service stations .....	554	6.51	6.51	6.63	6.66	-	220.04	220.04	222.77	225.11	-
Automotive dealers, nec .....	559	10.59	11.00	10.52	10.79	-	366.41	383.90	351.37	363.62	-
Apparel and accessory stores .....											
Apparel and accessory stores .....	56	6.83	6.82	7.03	6.97	-	185.78	186.87	185.59	188.19	-
Men's and boys' clothing stores .....	561	8.54	8.33	8.47	8.42	-	247.66	244.90	247.32	247.55	-
Women's clothing stores .....	562	6.42	6.41	6.71	6.68	-	158.57	158.33	161.04	162.99	-
Family clothing stores .....	565	6.64	6.62	6.87	6.79	-	187.25	188.01	190.99	192.16	-
Shoe stores .....	566	7.01	7.05	7.21	7.15	-	202.59	207.98	193.23	198.77	-
Furniture and home furnishings stores .....											
Furniture and home furnishings stores .....	57	9.20	9.24	9.37	9.45	-	307.28	310.46	311.08	314.69	-
Furniture and home furnishings stores .....	571	9.01	9.05	9.22	9.26	-	300.03	304.08	307.95	309.28	-
Household appliance stores .....	572	9.54	9.61	9.83	9.96	-	331.04	330.58	333.24	342.62	-
Radio, television, and computer stores .....	573	9.41	9.44	9.50	9.62	-	312.41	315.30	311.60	315.54	-
Radio, television, and electronic stores .....	5731	9.07	9.11	9.33	9.42	-	298.40	299.72	304.16	306.15	-
Record and prerecorded tape stores .....	5735	5.83	5.91	5.86	6.13	-	166.74	172.57	168.18	178.38	-
Eating and drinking places <sup>4</sup> .....											
Eating and drinking places <sup>4</sup> .....	58	5.27	5.28	5.33	5.33	-	135.44	138.86	134.85	138.58	-
Miscellaneous retail establishments .....											
Miscellaneous retail establishments .....	59	7.68	7.65	7.91	7.91	-	231.17	232.56	236.51	239.67	-
Drug stores and proprietary stores .....	591	7.62	7.64	8.05	8.08	-	217.93	218.50	228.62	230.28	-
Used merchandise stores .....	593	6.67	6.56	6.73	6.66	-	214.11	215.17	218.73	217.12	-
Miscellaneous shopping goods stores .....	594	7.10	7.08	7.24	7.20	-	205.90	206.74	205.62	210.24	-
Nonstore retailers .....	596	8.36	8.24	8.65	8.72	-	284.24	281.81	293.24	295.61	-
Fuel dealers .....	598	10.67	10.63	10.91	10.95	-	387.32	396.50	402.58	407.34	-
Retail stores, nec .....	599	8.03	8.02	8.15	8.19	-	250.54	252.63	254.28	258.80	-
<b>Finance, insurance, and real estate<sup>5</sup> .....</b>											
<b>Finance, insurance, and real estate<sup>5</sup> .....</b>											
<b>Depository institutions .....</b>											
Depository institutions .....	60	8.82	8.89	9.05	9.08	-	310.46	320.93	316.75	319.62	-
Commercial banks .....	602	8.38	8.49	8.62	8.63	-	293.30	304.79	299.98	302.91	-
State commercial banks .....	6022	8.28	8.37	8.45	8.48	-	293.94	304.67	300.82	302.74	-
National and commercial banks, nec .....	6021,9	8.45	8.57	8.74	8.75	-	293.22	304.24	298.91	302.75	-
Credit unions .....	606	8.70	8.77	8.97	9.04	-	311.46	318.35	320.23	322.73	-
<b>Nondepository institutions .....</b>											
Nondepository institutions .....	61	11.41	11.61	12.17	12.40	-	427.88	446.99	456.38	460.04	-
Personal credit institutions .....	614	9.70	9.96	9.87	9.91	-	368.60	380.47	371.11	363.70	-
<b>Security and commodity brokers:</b>											
Security and commodity services .....	628	15.11	15.20	15.59	15.70	-	545.47	559.36	556.56	562.06	-
<b>Insurance carriers .....</b>											
Insurance carriers .....	63	12.36	12.47	13.07	13.14	-	463.50	472.61	492.74	495.38	-
Life insurance .....	631	11.22	11.35	12.06	12.05	-	415.14	425.63	451.04	451.88	-
Medical service and health insurance .....	632	11.85	11.96	12.50	12.68	-	453.86	458.07	478.75	485.64	-
Hospital and medical service plans .....	6324	12.04	12.16	12.79	12.94	-	458.72	462.08	488.58	495.60	-
Fire, marine, and casualty insurance .....	633	13.39	13.46	14.07	14.16	-	500.79	507.44	526.22	529.58	-
<b>Services .....</b>											
Services .....		10.42	10.46	10.68	10.64	10.68	340.73	345.18	348.17	348.99	353.51
<b>Agricultural services .....</b>											
Agricultural services .....	07	8.18	8.16	8.30	8.30	-	286.30	288.05	295.48	292.16	-
Veterinary services .....	074	7.89	7.89	8.05	8.03	-	233.54	237.49	239.09	240.90	-
Landscape and horticultural services .....	078	8.32	8.29	8.41	8.42	-	309.50	311.70	319.58	314.07	-
<b>Hotels and other lodging places:</b>											
Hotels and other lodging places:											
Hotels and motels <sup>6</sup> .....	701	7.24	7.20	7.49	7.38	-	225.16	232.56	233.69	233.21	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Personal services:											
Laundry, cleaning, and garment services .....	721	33.8	34.1	34.2	34.0	-	-	-	-	-	-
Beauty shops <sup>4</sup> .....	723	28.3	28.9	28.7	28.5	-	-	-	-	-	-
Miscellaneous personal services .....	729	26.8	26.8	26.0	25.9	-	-	-	-	-	-
Business services .....											
Advertising .....	731	36.4	36.6	36.8	36.7	-	-	-	-	-	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	37.6	37.2	37.3	37.2	-	-	-	-	-	-
Services to buildings .....	734	28.5	28.7	28.9	28.9	-	-	-	-	-	-
Miscellaneous equipment rental and leasing .....	735	39.0	39.1	40.2	39.5	-	-	-	-	-	-
Heavy construction equipment rental .....	7353	40.8	40.1	40.3	40.2	-	-	-	-	-	-
Personnel supply services:											
Help supply services .....	7363	31.4	31.5	31.5	31.1	-	-	-	-	-	-
Computer and data processing services .....	737	38.0	38.6	37.8	37.9	-	-	-	-	-	-
Computer programming services .....	7371	38.2	38.7	37.8	37.9	-	-	-	-	-	-
Computer integrated systems design .....	7373	38.1	39.9	37.8	37.9	-	-	-	-	-	-
Information retrieval services .....	7375	38.4	39.3	37.8	38.0	-	-	-	-	-	-
Computer maintenance and repair .....	7378	39.0	38.8	39.0	39.5	-	-	-	-	-	-
Miscellaneous business services .....	738	33.5	34.2	33.4	33.5	-	-	-	-	-	-
Detective and armored car services .....	7381	33.7	34.0	33.7	33.7	-	-	-	-	-	-
Security systems services .....	7382	37.5	37.5	36.0	36.1	-	-	-	-	-	-
Auto repair, services, and parking .....											
Automotive rentals, without drivers .....	751	38.1	38.1	37.6	37.8	-	-	-	-	-	-
Passenger car rental .....	7514	37.6	37.5	36.5	36.8	-	-	-	-	-	-
Automobile parking .....	752	33.5	33.3	33.5	34.1	-	-	-	-	-	-
Automotive repair shops .....	753	38.6	38.7	38.4	38.6	-	-	-	-	-	-
Automotive and tire repair shops .....	7532,4	37.4	37.7	37.3	37.2	-	-	-	-	-	-
General automotive repair shops .....	7538	38.7	38.6	38.4	38.8	-	-	-	-	-	-
Automotive services, except repair .....	754	32.3	33.1	31.9	32.7	-	-	-	-	-	-
Carwashes .....	7542	30.0	31.0	30.0	31.3	-	-	-	-	-	-
Miscellaneous repair services .....	76	38.0	38.2	38.1	38.6	-	-	-	-	-	-
Motion pictures .....											
Motion picture production and services .....	781	36.3	38.1	38.5	37.5	-	-	-	-	-	-
Amusement and recreation services .....											
Bowling centers .....	793	24.7	25.1	23.9	24.7	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	29.4	29.1	26.1	30.0	-	-	-	-	-	-
Physical fitness facilities .....	7991	18.4	18.7	19.0	18.4	-	-	-	-	-	-
Membership sports and recreation clubs .....	7997	30.1	29.6	29.3	30.4	-	-	-	-	-	-
Health services .....											
Offices and clinics of medical doctors .....	801	32.2	32.3	32.1	32.1	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.4	28.5	28.2	28.2	-	-	-	-	-	-
Offices and clinics of other health practitioners .....	804	29.8	30.3	29.7	29.6	-	-	-	-	-	-
Nursing and personal care facilities .....	805	32.6	32.8	32.2	32.7	-	-	-	-	-	-
Intermediate care facilities .....	8052	31.8	32.0	31.6	32.0	-	-	-	-	-	-
Hospitals .....	806	34.6	34.5	34.6	34.7	-	-	-	-	-	-
Home health care services .....	806	27.4	28.0	27.8	27.8	-	-	-	-	-	-
Legal services .....	81	34.8	35.5	34.6	34.7	-	-	-	-	-	-
Social services .....											
Individual and family services .....	832	32.2	32.4	31.8	31.8	-	-	-	-	-	-
Job training and related services .....	833	30.4	31.7	30.5	29.6	-	-	-	-	-	-
Child day care services .....	835	30.1	30.5	29.6	30.1	-	-	-	-	-	-
Residential care .....	836	32.2	32.5	31.8	32.3	-	-	-	-	-	-
Social services, nec .....	839	31.5	31.9	30.8	31.0	-	-	-	-	-	-
Membership organizations:											
Professional organizations .....	862	34.9	35.7	34.5	34.8	-	-	-	-	-	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Personal services:											
Laundry, cleaning, and garment services .....	721	\$7.17	\$7.17	\$7.30	\$7.32	-	\$242.35	\$244.50	\$249.66	\$248.88	-
Beauty shops <sup>a</sup> .....	723	7.70	7.68	7.92	7.85	-	217.91	221.95	227.30	223.73	-
Miscellaneous personal services .....	729	7.72	7.77	7.67	7.63	-	206.90	208.24	199.42	197.62	-
Business services .....											
Advertising .....	731	14.80	14.98	14.78	14.82	-	538.72	548.27	543.90	543.89	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	9.40	9.38	9.56	9.53	-	353.44	348.94	356.59	354.52	-
Services to buildings .....	734	7.36	7.40	7.47	7.56	-	209.76	212.38	215.88	218.48	-
Miscellaneous equipment rental and leasing .....	735	10.30	10.32	10.56	10.66	-	401.70	403.51	424.51	421.07	-
Heavy construction equipment rental .....	7353	13.51	13.51	14.18	14.40	-	551.21	541.75	571.45	578.88	-
Personnel supply services:											
Help supply services .....	7363	8.32	8.23	8.30	8.30	-	261.25	259.25	261.45	258.13	-
Computer and data processing services .....	737	15.74	15.90	16.32	16.29	-	598.12	613.74	616.90	617.39	-
Computer programming services .....	7371	18.08	18.30	18.92	18.78	-	690.66	708.21	715.18	711.76	-
Computer integrated systems design .....	7373	16.65	16.66	17.03	17.07	-	634.37	664.73	643.73	646.95	-
Information retrieval services .....	7375	13.16	13.05	14.57	14.59	-	505.34	512.87	550.75	554.42	-
Computer maintenance and repair .....	7378	13.98	13.64	13.67	13.86	-	545.22	529.23	533.13	547.47	-
Miscellaneous business services .....	738	8.54	8.57	8.60	8.69	-	286.09	293.09	287.24	291.12	-
Detective and armored car services .....	7381	6.71	6.71	6.73	6.81	-	226.13	228.14	226.80	229.50	-
Security systems services .....	7382	10.33	10.16	11.04	10.85	-	387.38	381.00	397.44	391.69	-
Auto repair, services, and parking .....											
Automotive rentals, without drivers .....	751	9.15	9.16	9.26	9.25	-	337.64	339.84	338.92	342.25	-
Passenger car rental .....	7514	8.15	8.09	8.27	8.23	-	306.44	303.38	301.86	302.86	-
Automobile parking .....	752	6.85	6.85	6.84	6.86	-	229.48	228.11	229.14	233.93	-
Automotive repair shops .....	753	10.05	10.07	10.22	10.21	-	387.93	389.71	392.45	394.11	-
Automotive and tire repair shops .....	7532,4	10.60	10.60	10.76	10.78	-	396.44	399.62	401.35	401.02	-
General automotive repair shops .....	7538	10.10	10.09	10.30	10.23	-	390.87	389.47	395.52	396.92	-
Automotive services, except repair .....	754	7.02	6.97	6.98	6.92	-	226.75	230.71	222.66	226.28	-
Carwashes .....	7542	6.06	5.99	6.13	6.03	-	181.80	185.89	183.90	188.74	-
Miscellaneous repair services .....	76	10.80	10.83	11.01	11.08	-	410.40	413.71	419.48	427.69	-
Motion pictures .....											
Motion picture production and services .....	781	16.95	17.97	18.34	18.15	-	615.29	684.66	706.09	680.63	-
Amusement and recreation services .....											
Bowling centers .....	793	6.69	6.61	6.76	6.72	-	165.24	165.91	161.56	165.98	-
Misc. amusement and recreation services .....	799	6.95	6.98	7.27	7.04	-	204.33	203.12	204.29	211.20	-
Physical fitness facilities .....	7991	7.79	7.84	7.83	7.84	-	143.34	146.61	148.77	144.26	-
Membership sports and recreation clubs .....	7997	7.37	7.41	7.64	7.52	-	221.84	219.34	223.85	228.61	-
Health services .....											
Offices and clinics of medical doctors .....	801	11.42	11.44	11.83	11.84	-	367.72	369.51	379.74	380.06	-
Offices and clinics of dentists .....	802	10.92	10.98	11.38	11.37	-	310.13	312.93	320.92	320.63	-
Offices and clinics of other health practitioners .....	804	9.95	9.98	10.30	10.30	-	296.51	302.39	305.91	304.88	-
Nursing and personal care facilities .....	805	7.87	7.85	8.12	8.16	-	256.58	257.48	261.46	266.83	-
Intermediate care facilities .....	8052	7.27	7.25	7.54	7.65	-	231.19	232.00	238.26	244.80	-
Hospitals .....	806	13.04	13.08	13.38	13.46	-	451.18	451.26	482.95	467.06	-
Home health care services .....	808	10.02	9.96	10.35	10.49	-	274.55	278.88	287.73	291.62	-
Legal services .....	81	14.91	15.09	15.20	15.22	-	518.87	535.70	525.92	526.13	-
Social services .....											
Individual and family services .....	832	8.13	8.25	8.38	8.38	-	261.79	267.30	266.48	266.48	-
Job training and related services .....	833	7.11	7.16	7.53	7.54	-	216.14	228.97	229.67	223.18	-
Child day care services .....	835	6.38	6.38	6.54	6.50	-	192.04	194.59	193.58	195.65	-
Residential care .....	836	7.76	7.76	7.99	8.02	-	249.87	252.20	254.08	259.05	-
Social services, nec .....	839	8.43	8.56	8.91	8.66	-	265.55	273.06	274.43	268.46	-
Membership organizations:											
Professional organizations .....	862	14.29	14.41	14.78	15.03	-	498.72	514.44	509.91	523.04	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>P</sup>	Aug. 1993 <sup>P</sup>
<b>Services—Continued</b>											
Engineering and management services .....	87	37.0	37.4	37.0	37.1	-	-	-	-	-	-
Engineering and architectural services .....	871	38.8	39.3	39.1	39.1	-	-	-	-	-	-
Engineering services .....	8711	39.1	39.6	39.4	39.3	-	-	-	-	-	-
Architectural services .....	8712	38.3	38.6	37.7	37.9	-	-	-	-	-	-
Surveying services .....	8713	37.2	37.4	38.1	39.0	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	36.5	37.0	36.0	35.8	-	-	-	-	-	-
Research and testing services .....	873	36.7	37.2	36.5	36.7	-	-	-	-	-	-
Commercial physical research .....	8731	39.6	39.9	39.1	39.1	-	-	-	-	-	-
Commercial nonphysical research .....	8732	29.0	29.8	29.7	30.3	-	-	-	-	-	-
Noncommercial research organizations .....	8733	36.6	37.0	36.2	36.4	-	-	-	-	-	-
Management and public relations .....	874	35.4	35.7	35.7	35.7	-	-	-	-	-	-
Public relations services .....	8743	35.2	35.9	31.6	32.9	-	-	-	-	-	-
Services, nec .....	89	37.4	37.4	36.7	36.8	-	-	-	-	-	-

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				
		July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Engineering and management services .....	87	\$14.54	\$14.74	\$14.87	\$14.91	-	\$537.98	\$551.28	\$550.19	\$553.16	-
Engineering and architectural services .....	871	15.82	16.04	15.98	16.01	-	613.82	630.37	624.82	625.99	-
Engineering services .....	8711	16.42	16.63	16.57	16.63	-	642.02	658.55	652.86	653.56	-
Architectural services .....	8712	14.62	14.87	14.78	14.72	-	559.95	573.98	557.21	557.89	-
Surveying services .....	8713	10.90	11.05	11.19	11.18	-	405.48	413.27	426.34	436.02	-
Accounting, auditing, and bookkeeping .....	872	13.04	13.34	13.21	13.25	-	475.96	493.58	475.56	474.35	-
Research and testing services .....	873	15.31	15.40	15.86	15.86	-	561.88	572.88	578.89	582.06	-
Commercial physical research .....	8731	17.44	17.45	17.95	17.91	-	690.62	696.26	701.85	700.28	-
Commercial nonphysical research .....	8732	11.59	11.70	12.29	12.25	-	336.11	348.66	365.01	371.18	-
Noncommercial research organizations .....	8733	16.57	16.83	17.34	17.41	-	606.46	622.71	627.71	633.72	-
Management and public relations .....	874	13.24	13.43	13.67	13.71	-	468.70	479.45	488.02	489.45	-
Public relations services .....	8743	13.38	13.85	13.76	13.81	-	470.98	497.22	434.62	454.35	-
Services, nec .....	89	15.51	16.01	15.64	15.59	-	580.07	598.77	573.99	573.71	-

<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 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1992 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)			
	June 1992	July 1992	June 1993	July 1993 <sup>P</sup>	June 1992	July 1992	June 1993	July 1993 <sup>P</sup>
Average hourly earnings, excluding lump-sum payments .....	\$17.67	\$17.65	\$18.21	\$18.34	\$16.24	\$16.54	\$17.17	\$17.39
Average hourly earnings, including lump-sum payments .....	18.04	18.04	18.84	18.97	16.34	16.64	17.23	17.44

<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	July 1992	Aug. 1992	June 1993	July 1993 <sup>p</sup>	Aug. 1993 <sup>p</sup>
<b>Manufacturing</b> .....	<b>\$10.96</b>	<b>\$10.92</b>	<b>\$11.17</b>	<b>\$11.19</b>	<b>\$11.14</b>
<b>Durable goods</b> .....	11.52	11.50	11.72	11.73	11.70
Lumber and wood products .....	9.03	9.04	9.12	9.18	(9)
Furniture and fixtures .....	8.71	8.71	8.91	8.94	(9)
Stone, clay, and glass products .....	10.94	10.94	11.12	11.17	(9)
Primary metal industries .....	12.98	12.93	13.17	13.20	(9)
Fabricated metal products .....	10.91	10.91	11.13	11.11	(9)
Industrial machinery and equipment .....	11.93	11.87	12.03	12.12	(9)
Electronic and other electrical equipment .....	10.63	10.58	10.76	10.78	(9)
Transportation equipment .....	14.56	14.59	14.93	14.90	(9)
Instruments and related products .....	11.54	11.51	11.81	11.88	(9)
Miscellaneous manufacturing .....	8.85	8.78	9.05	9.09	(9)
<b>Nondurable goods</b> .....	<b>10.26</b>	<b>10.20</b>	<b>10.46</b>	<b>10.51</b>	<b>\$10.44</b>
Food and kindred products .....	9.63	9.53	9.90	9.87	(9)
Tobacco products .....	17.95	16.12	17.65	18.04	(9)
Textile mill products .....	8.16	8.17	8.41	8.44	(9)
Apparel and other textile products .....	6.79	6.79	6.90	6.87	(9)
Paper and allied products .....	12.35	12.28	12.64	12.72	(9)
Printing and publishing .....	11.34	11.32	11.44	11.48	(9)
Chemicals and allied products .....	13.77	13.74	13.99	14.05	(9)
Petroleum and coal products .....	16.80	16.59	17.27	17.26	(9)
Rubber and misc. plastics products .....	9.91	9.88	10.04	10.10	(9)
Leather and leather products .....	7.12	7.17	7.36	7.34	(9)

<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 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1992 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 (1992) dollars**

Industry	Average hourly earnings					Average weekly earnings				
	July 1992	Aug. 1992	June 1993	July 1993 <sup>2</sup>	Aug. 1993 <sup>2</sup>	July 1992	Aug. 1992	June 1993	July 1993 <sup>2</sup>	Aug. 1993 <sup>2</sup>
<b>Total private:</b>										
Current dollars .....	\$10.51	\$10.55	\$10.78	\$10.76	\$10.79	\$363.65	\$368.20	\$372.30	\$374.45	\$379.81
Constant (1992) dollars .....	7.38	7.37	7.34	7.34	( <sup>3</sup> )	254.66	257.12	254.13	255.42	( <sup>3</sup> )
<b>Mining:</b>										
Current dollars .....	14.50	14.47	14.59	14.48	\$14.51	624.95	643.92	643.42	638.57	\$654.40
Constant (1992) dollars .....	10.15	10.10	9.96	9.88	( <sup>3</sup> )	437.64	449.66	439.19	435.59	( <sup>3</sup> )
<b>Construction:</b>										
Current dollars .....	14.10	14.24	14.23	14.35	\$14.42	548.49	556.78	559.24	568.26	\$573.92
Constant (1992) dollars .....	9.87	9.94	9.71	9.79	( <sup>3</sup> )	384.10	388.81	381.73	387.63	( <sup>3</sup> )
<b>Manufacturing:</b>										
Current dollars .....	11.47	11.45	11.73	11.74	\$11.73	466.83	470.60	485.82	481.34	\$486.80
Constant (1992) dollars .....	8.03	8.00	8.01	8.01	( <sup>3</sup> )	326.91	328.63	331.48	328.34	( <sup>3</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	13.42	13.49	13.58	13.66	\$13.66	527.41	534.20	539.13	546.40	\$553.23
Constant (1992) dollars .....	9.40	9.42	9.27	9.32	( <sup>3</sup> )	369.33	373.04	368.01	372.71	( <sup>3</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	11.36	11.42	11.64	11.71	\$11.74	433.95	439.87	445.81	448.49	\$451.99
Constant (1992) dollars .....	7.96	7.97	7.95	7.99	( <sup>3</sup> )	303.89	307.03	304.31	305.93	( <sup>3</sup> )
<b>Retail trade:</b>										
Current dollars .....	7.09	7.09	7.26	7.25	\$7.24	207.74	209.86	211.27	214.60	\$215.75
Constant (1992) dollars .....	4.96	4.95	4.96	4.95	( <sup>3</sup> )	145.48	148.55	144.21	148.38	( <sup>3</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	10.72	10.83	11.20	11.25	\$11.37	381.63	393.13	398.72	400.50	\$415.01
Constant (1992) dollars .....	7.51	7.58	7.65	7.67	( <sup>3</sup> )	267.25	274.53	272.18	273.19	( <sup>3</sup> )
<b>Services:</b>										
Current dollars .....	10.42	10.46	10.68	10.64	\$10.68	340.73	345.18	348.17	348.99	\$353.51
Constant (1992) dollars .....	7.30	7.30	7.29	7.26	( <sup>3</sup> )	238.61	241.05	237.86	238.06	( <sup>3</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>3</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 1992 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1992 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

**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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	34.6	34.2	34.4	34.6	34.3	34.5	34.4	34.2	34.4	34.7	34.4	34.5	34.7
<b>Mining</b> .....	44.3	43.9	44.1	44.1	43.7	44.0	43.6	43.4	44.3	44.6	44.1	44.9	44.8
<b>Construction</b> .....	( <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> )
<b>Manufacturing</b> .....	41.1	41.0	41.1	41.2	41.2	41.4	41.4	41.2	41.5	41.4	41.2	41.4	41.5
<i>Overtime hours</i> .....	3.8	3.6	3.8	3.9	3.9	4.0	4.2	4.0	4.2	4.1	4.0	4.0	4.2
<b>Durable goods</b> .....	41.6	41.4	41.6	41.8	41.8	42.0	42.1	42.0	42.2	42.0	41.9	42.0	42.2
<i>Overtime hours</i> .....	3.8	3.5	3.8	3.9	3.9	4.0	4.3	4.2	4.4	4.3	4.2	4.1	4.4
Lumber and wood products .....	40.6	40.5	40.7	40.8	40.5	40.6	40.8	40.6	40.5	40.6	40.4	40.7	40.8
Furniture and fixtures .....	39.6	39.6	39.9	40.1	40.0	40.2	40.3	40.1	40.0	39.7	39.5	39.9	40.2
Stone, clay, and glass products .....	42.3	42.4	42.3	42.4	42.2	42.5	42.5	42.2	42.5	42.8	42.6	42.7	43.0
Primary metal industries .....	43.1	42.9	42.9	43.1	43.3	43.6	43.8	43.9	44.2	43.6	43.4	43.5	43.8
Blast furnaces and basic steel products ..	43.6	43.1	43.1	43.4	43.7	44.0	44.4	44.4	44.7	44.1	44.1	44.3	44.3
Fabricated metal products .....	41.6	41.3	41.7	41.8	41.8	42.0	42.1	41.9	42.1	41.9	41.9	41.9	42.1
Industrial machinery and equipment .....	42.3	42.1	42.4	42.7	42.6	42.7	42.9	42.8	43.1	42.9	42.9	43.0	43.0
Electronic and other electrical equipment ..	41.3	41.1	41.4	41.5	41.4	41.7	41.7	41.6	41.8	41.8	41.4	41.8	42.0
Transportation equipment .....	42.2	41.5	41.7	41.9	42.4	42.5	42.8	42.7	42.9	42.7	42.5	42.4	43.2
Motor vehicles and equipment .....	43.0	41.8	42.0	42.4	43.4	43.7	44.2	44.3	45.2	44.0	43.5	43.0	44.6
Instruments and related products .....	41.2	41.2	41.3	41.2	41.1	41.2	41.0	41.1	41.3	41.3	41.2	41.4	41.2
Miscellaneous manufacturing .....	39.9	39.8	40.0	39.9	39.8	39.9	39.9	39.9	40.3	39.8	39.5	39.4	39.6
<b>Nondurable goods</b> .....	40.4	40.6	40.4	40.6	40.5	40.6	40.7	40.3	40.6	40.5	40.5	40.6	40.5
<i>Overtime hours</i> .....	3.8	3.8	3.9	3.9	3.9	3.9	4.1	3.8	4.0	3.9	3.9	3.9	3.9
Food and kindred products .....	40.5	40.7	40.8	40.8	40.6	40.6	40.7	40.4	40.7	40.4	40.6	40.8	40.6
Tobacco 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> )
Textile mill products .....	41.0	41.8	40.8	41.2	41.4	41.6	41.8	40.1	41.9	41.7	41.3	41.3	41.3
Apparel and other textile products .....	37.2	37.4	37.4	37.6	37.4	37.6	37.5	37.2	37.1	37.3	37.1	37.2	37.4
Paper and allied products .....	43.5	44.0	43.5	43.5	43.5	43.5	43.8	43.5	43.7	43.7	43.6	43.4	43.5
Printing and publishing .....	38.1	38.1	38.2	38.1	38.1	38.2	38.1	38.1	38.4	38.2	38.4	38.5	38.2
Chemicals and allied products .....	43.1	42.9	42.8	42.9	42.8	43.0	42.9	42.8	42.9	43.3	43.1	43.4	43.2
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 .....	41.7	41.6	41.6	41.8	41.9	42.0	42.1	41.8	41.8	41.8	41.7	41.7	41.7
Leather and leather products .....	38.1	38.0	38.5	38.9	38.7	39.3	39.4	39.0	38.9	38.6	37.7	37.9	39.0
<b>Transportation and public utilities</b> .....	39.3	38.9	39.0	39.5	39.1	39.6	39.4	39.6	39.4	39.8	39.4	39.6	40.2
<b>Wholesale trade</b> .....	38.4	38.0	38.1	38.3	38.0	38.1	38.1	38.0	38.0	38.4	38.2	38.2	38.4
<b>Retail trade</b> .....	28.8	28.9	28.8	28.9	28.8	28.8	28.7	28.2	28.8	29.0	28.8	28.8	29.0
<b>Finance, insurance, and real estate</b> .....	( <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> )
<b>Services</b> .....	32.7	32.1	32.5	32.6	32.3	32.5	32.4	32.4	32.4	32.8	32.5	32.5	32.7

<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 1992 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1989 forward are subject to revision.

**ESTABLISHMENT DATA  
HOURS  
SEASONALLY ADJUSTED**

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

(1982=100)

Industry	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Total private</b> .....	121.8	120.8	121.8	122.3	121.7	122.5	122.7	122.2	123.1	124.6	123.6	124.1	124.9
<b>Goods-producing</b> .....	101.8	101.1	101.2	101.4	101.4	101.7	102.5	101.9	102.2	102.8	102.0	102.6	102.5
<b>Mining</b> .....	55.8	54.7	55.1	54.8	54.1	54.2	52.7	52.5	53.5	54.2	53.0	53.7	52.8
<b>Construction</b> .....	118.2	117.6	118.0	117.2	116.9	116.4	119.2	118.8	119.3	124.5	123.4	125.7	125.0
<b>Manufacturing</b> .....	101.2	100.8	100.8	101.2	101.2	101.8	102.3	101.8	101.8	101.4	100.8	101.0	101.0
<b>Durable goods</b> .....	98.3	97.8	97.9	98.4	98.5	99.2	99.7	99.3	99.2	98.5	97.8	97.9	98.2
Lumber and wood products .....	118.1	118.0	119.4	120.8	120.3	120.6	122.7	122.1	120.1	119.6	118.8	119.9	120.4
Furniture and fixtures .....	117.0	118.4	117.8	118.2	118.2	119.1	120.0	119.4	119.1	118.9	118.0	118.8	119.4
Stone, clay, and glass products .....	101.0	101.2	100.7	101.0	100.8	101.2	102.3	101.3	101.0	101.9	101.2	101.7	101.9
Primary metal industries .....	85.4	84.9	84.6	85.0	85.2	85.9	86.3	86.5	86.5	85.3	84.4	84.3	84.7
Blast furnaces and basic steel products .....	74.1	72.6	72.0	71.8	72.2	72.3	73.3	73.3	73.4	72.4	71.6	71.6	70.8
Fabricated metal products .....	100.1	99.1	99.6	100.1	99.9	101.1	101.6	101.3	101.3	100.5	100.3	99.8	100.4
Industrial machinery and equipment .....	89.5	89.2	89.6	90.4	90.2	90.5	90.9	90.5	91.2	90.8	91.0	91.0	90.6
Electronic and other electrical equipment .....	98.6	98.1	98.8	99.2	99.2	99.6	100.2	100.3	100.5	100.1	98.8	99.7	99.7
Transportation equipment .....	110.8	108.0	107.8	109.0	110.5	112.1	112.1	111.2	110.1	108.3	106.9	106.7	108.5
Motor vehicles and equipment .....	126.8	121.1	121.9	127.2	132.2	142.9	139.0	136.6	136.3	131.5	129.5	128.9	133.9
Instruments and related products .....	79.4	79.1	78.9	78.4	77.8	77.9	77.3	77.1	77.3	76.3	75.7	75.6	74.7
Miscellaneous manufacturing .....	97.3	97.4	97.5	97.3	97.0	96.9	97.6	98.0	99.4	97.8	96.7	96.4	96.2
<b>Nondurable goods</b> .....	105.0	105.2	104.8	105.0	105.0	105.5	105.8	104.8	105.4	105.3	104.8	105.2	104.9
Food and kindred products .....	110.1	109.9	110.4	110.6	110.2	110.7	111.2	110.3	110.6	109.5	109.7	110.2	110.8
Tobacco products .....	71.1	69.6	68.4	65.9	89.3	68.6	68.1	65.4	65.8	66.0	67.6	63.4	59.7
Textile mill products .....	97.6	99.7	96.5	97.7	98.4	98.7	99.2	94.8	99.4	98.9	97.5	97.6	97.0
Apparel and other textile products .....	91.6	91.7	91.4	91.8	91.3	91.9	91.6	91.1	90.2	90.6	89.6	89.6	89.6
Paper and allied products .....	109.9	111.5	109.6	109.8	109.4	109.4	110.4	109.6	109.5	109.7	109.5	108.5	108.6
Printing and publishing .....	122.1	122.1	122.2	121.9	122.1	122.2	122.2	122.4	123.3	122.8	123.3	123.8	122.8
Chemicals and allied products .....	99.5	98.7	98.5	98.5	98.3	98.9	98.7	98.8	99.0	100.5	99.7	101.1	100.4
Petroleum and coal products .....	86.8	86.0	86.7	86.7	85.5	87.1	87.4	85.4	87.9	86.9	84.9	85.5	85.6
Rubber and misc. plastics products .....	127.1	126.4	126.6	127.6	128.3	129.4	130.4	129.9	129.7	129.9	129.4	129.9	128.8
Leather and leather products .....	58.2	56.0	56.8	56.8	56.5	56.8	56.9	56.3	55.8	55.2	53.9	54.7	56.3
<b>Service-producing</b> .....	130.8	129.6	130.7	131.6	130.8	131.8	131.8	131.3	132.4	134.5	133.4	133.7	135.0
<b>Transportation and public utilities</b> .....	114.4	113.5	113.7	115.2	114.3	116.1	115.7	116.1	115.5	116.8	115.3	115.8	117.6
<b>Wholesale trade</b> .....	114.2	113.1	113.7	114.6	113.7	114.5	114.8	114.7	114.7	116.1	115.2	115.6	116.0
<b>Retail trade</b> .....	120.8	121.4	121.1	121.6	121.5	122.0	122.3	119.9	122.6	124.0	123.3	123.4	124.3
<b>Finance, insurance, and real estate</b> .....	118.9	116.5	117.6	119.5	116.7	117.9	117.2	116.9	117.2	120.0	117.9	117.1	121.0
<b>Services</b> .....	151.2	148.9	151.4	152.1	151.3	152.5	152.5	152.9	154.0	156.7	155.6	156.3	157.4

<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 1992 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1989 forward are subject to revision.

**ESTABLISHMENT DATA  
EARNINGS  
SEASONALLY ADJUSTED**

**C-7. Average hourly and weekly earnings of production or nonsupervisory workers' on private nonfarm payrolls, seasonally adjusted**

Industry	1992					1993							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>p</sup>	Aug. <sup>p</sup>
<b>Average hourly earnings</b>													
<b>Total private (in current dollars)</b> .....	\$10.63	\$10.62	\$10.65	\$10.69	\$10.68	\$10.73	\$10.74	\$10.78	\$10.77	\$10.82	\$10.81	\$10.82	\$10.87
<b>Mining</b> .....	14.57	14.57	14.61	14.65	14.57	14.58	14.55	14.64	14.84	14.76	14.59	14.51	14.61
<b>Construction</b> .....	14.21	14.11	14.19	14.23	14.21	14.19	14.22	14.28	14.28	14.34	14.32	14.39	14.38
<b>Manufacturing</b> .....	11.50	11.51	11.52	11.55	11.58	11.61	11.64	11.66	11.71	11.71	11.72	11.73	11.79
<b>Excluding overtime<sup>2</sup></b> .....	11.00	11.03	11.01	11.03	11.06	11.08	11.10	11.13	11.13	11.15	11.17	11.19	11.22
<b>Transportation and public utilities</b> .....	13.50	13.53	13.56	13.62	13.55	13.57	13.58	13.64	13.61	13.62	13.65	13.67	13.66
<b>Wholesale trade</b> .....	11.49	11.42	11.48	11.52	11.46	11.57	11.57	11.59	11.67	11.74	11.68	11.73	11.81
<b>Retail trade</b> .....	7.15	7.18	7.18	7.19	7.21	7.23	7.25	7.27	7.25	7.29	7.28	7.29	7.30
<b>Finance, insurance, and real estate</b> .....	10.95	10.85	10.93	11.06	10.99	11.09	11.09	11.11	11.15	11.34	11.26	11.31	11.50
<b>Services</b> .....	10.61	10.61	10.65	10.69	10.67	10.75	10.75	10.76	10.73	10.80	10.78	10.77	10.83
<b>Total private (in constant dollars)<sup>3</sup></b> .....	7.43	7.41	7.40	7.41	7.40	7.40	7.38	7.39	7.36	7.39	7.38	7.38	(*)
<b>Average weekly earnings</b>													
<b>Total private:</b>													
In current dollars .....	367.80	363.20	366.36	369.87	366.32	370.19	369.46	368.68	370.49	375.45	371.86	373.29	377.19
In constant (1962) dollars <sup>3</sup> .....	257.02	253.45	254.59	256.50	253.68	255.30	253.92	252.87	253.24	256.28	253.83	254.63	(*)

<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 1992 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1989 forward are subject to revision.



**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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Alabama</b> .....	40.8	41.5	41.0	\$10.01	\$10.33	\$10.45	\$408.41	\$428.70	\$428.45
Birmingham .....	41.1	43.8	43.1	10.64	11.00	11.07	437.30	481.80	477.12
Mobile .....	42.6	43.6	43.4	12.32	12.46	12.65	524.83	543.26	549.01
<b>Alaska</b> .....	47.7	42.1	46.8	9.83	11.36	10.22	468.89	478.26	478.30
<b>Arizona</b> .....	40.2	40.5	40.4	11.09	11.08	11.23	445.82	448.74	453.69
<b>Arkansas</b> .....	41.1	41.7	42.2	9.13	9.24	9.27	375.24	385.31	391.19
Fayetteville-Springdale .....	42.1	42.5	43.6	8.34	8.42	8.50	351.11	357.85	370.80
Fort Smith .....	43.8	40.8	42.1	9.35	9.52	9.38	409.53	388.42	394.90
Little Rock-North Little Rock .....	41.3	41.8	42.2	9.63	9.71	9.81	397.72	405.68	413.98
Pine Bluff .....	43.8	43.2	45.2	10.25	10.17	10.32	448.95	439.34	466.46
<b>California</b> .....	40.3	40.6	40.5	12.19	12.34	12.43	491.26	501.00	503.42
Anaheim-Santa Ana .....	40.1	40.4	40.0	12.21	12.44	12.52	469.62	502.58	500.80
Bakersfield .....	41.2	39.2	40.4	12.57	13.02	12.79	517.88	510.36	516.72
Fresno .....	40.1	40.8	40.3	10.12	10.23	10.22	405.81	417.38	411.87
Los Angeles-Long Beach .....	40.8	41.4	41.2	11.47	11.47	11.53	467.98	474.86	475.04
Modesto .....	41.7	40.7	40.6	11.81	12.14	11.99	492.48	494.10	486.79
Oakland .....	41.1	40.8	41.3	14.40	14.59	14.73	591.84	595.27	608.35
Oxnard-Ventura .....	39.9	40.9	40.7	11.51	11.54	11.57	459.25	471.99	470.90
Riverside-San Bernardino .....	40.4	41.0	40.9	11.22	11.49	11.54	453.29	471.09	471.99
Sacramento .....	39.3	39.5	39.7	12.69	13.07	13.21	498.72	516.27	524.44
Salinas-Seaside-Monterey .....	40.2	40.4	40.1	11.98	12.61	12.36	481.60	509.44	495.64
San Diego .....	39.1	40.3	39.9	12.37	12.75	12.80	483.67	513.83	510.72
San Francisco .....	39.7	40.5	39.4	13.17	13.49	13.51	522.85	546.35	532.29
San Jose .....	40.6	42.4	41.6	14.72	14.92	15.02	597.63	632.61	627.84
Santa Barbara-Santa Maria-Lompoc .....	41.4	40.8	40.5	12.50	12.97	13.01	517.50	529.18	526.91
Santa Rosa-Petaluma .....	39.2	39.6	39.5	12.38	13.33	13.39	484.51	527.67	528.91
Stockton .....	42.4	41.6	40.7	11.91	12.32	12.07	504.98	512.51	491.25
Vallejo-Fairfield-Napa .....	40.8	39.8	42.5	13.91	14.39	14.31	567.53	572.72	608.18
<b>Colorado</b> .....	39.8	41.1	40.8	11.30	12.08	12.00	449.74	496.49	469.60
Denver .....	40.3	41.4	41.7	12.62	13.00	12.74	508.59	538.20	531.26
<b>Connecticut</b> .....	41.0	42.2	42.1	12.48	12.90	13.04	511.68	544.38	548.98
Bridgeport-Milford .....	41.6	41.3	41.2	13.16	13.37	13.61	548.29	552.18	560.73
Hartford .....	41.1	41.8	42.3	13.55	13.87	13.84	556.91	579.77	585.43
New Britain .....	40.2	44.3	42.9	13.49	13.44	13.39	542.30	595.39	574.43
New Haven-Meriden .....	39.1	41.4	41.0	11.87	12.62	12.72	464.12	522.47	521.52
Stamford .....	42.2	41.6	41.5	11.81	11.21	11.30	498.38	466.34	468.95
Waterbury .....	44.4	44.0	43.3	11.37	11.80	11.76	504.83	510.40	509.21
<b>Delaware</b> .....	40.4	41.5	40.3	12.32	13.15	12.80	497.73	545.73	515.84
Wilmington .....	40.2	42.3	41.8	14.90	15.43	15.40	598.98	652.69	643.72
<b>District of Columbia:</b>									
Washington MSA .....	38.9	39.9	40.2	14.25	14.20	14.24	554.33	566.58	572.45
<b>Florida</b> .....	40.1	40.9	40.5	9.64	9.72	9.85	386.56	397.55	398.93
<b>Georgia</b> .....	41.4	41.9	41.6	9.91	10.07	10.15	410.27	421.93	422.24
Atlanta .....	41.1	41.4	41.5	11.26	11.45	11.51	462.79	474.03	477.67
Savannah .....	47.3	47.9	44.4	13.06	13.50	13.28	617.74	646.65	589.63
<b>Hawaii</b> .....	39.5	41.1	39.3	11.56	12.06	11.98	456.62	495.67	470.81
Honolulu .....	39.4	40.1	38.3	12.23	12.52	12.62	481.86	502.05	483.35
<b>Idaho</b> .....	37.6	40.2	40.9	11.68	11.76	11.68	439.17	473.56	477.71
<b>Illinois</b> .....	40.7	41.3	41.3	11.91	12.02	12.04	484.74	496.43	497.25
Aurora-Elgin .....	41.5	42.1	41.7	11.63	11.94	12.03	482.65	502.67	501.65
Bloomington-Normal .....	40.7	41.0	41.1	14.43	15.74	15.77	587.30	645.34	648.15
Champaign-Urbana-Rantoul .....	39.9	40.2	40.4	10.39	10.33	10.30	414.56	415.27	416.12
Chicago .....	40.8	41.2	41.1	11.64	11.83	11.85	474.91	487.40	487.04
Davenport-Rock Island-Moline .....	40.7	42.3	41.8	14.06	14.12	14.14	572.24	597.28	591.05
Decatur .....	41.7	41.7	40.9	15.01	15.00	14.91	625.92	625.50	609.62
Joliet .....	40.8	41.3	41.0	13.74	13.72	13.71	560.59	566.64	562.11
Kankakee .....	40.3	42.2	42.4	11.91	12.68	12.88	479.97	543.54	546.11
Lake County .....	40.0	40.2	40.1	11.64	12.01	12.05	465.60	482.80	483.21
Peoria .....	41.9	43.1	41.8	14.78	15.01	15.01	619.28	646.93	627.42
Rockford .....	39.6	41.0	41.0	12.84	13.05	13.04	508.46	535.05	534.64
Springfield .....	38.2	40.4	39.9	11.55	11.56	11.66	441.21	467.02	465.23

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Indiana</b> .....	41.7	43.0	41.8	\$12.84	\$13.08	\$13.03	\$535.43	\$562.44	\$544.65
Anderson .....	41.9	44.5	44.3	16.86	18.05	18.19	706.43	803.23	805.82
Bloomington .....	46.2	38.4	45.7	12.17	10.98	11.48	562.25	421.63	524.64
Elkhart-Goshen .....	39.4	39.8	39.6	10.40	10.88	10.93	409.76	432.23	432.83
Evansville .....	41.8	42.5	42.2	12.97	13.01	12.96	542.15	552.93	546.91
Fort Wayne .....	39.2	42.6	41.7	13.24	13.47	13.64	519.01	573.82	568.79
Gary-Hammond .....	43.9	44.0	44.1	17.04	17.85	17.30	748.06	785.40	762.93
Indianapolis .....	42.5	44.9	42.4	13.66	13.83	13.60	580.55	620.97	576.64
Kokomo .....	43.1	40.7	41.1	17.55	17.89	18.08	756.41	728.12	743.09
Lafayette-West Lafayette .....	44.9	41.2	39.8	13.51	14.12	14.06	606.60	581.74	559.59
Muncie .....	43.2	43.5	43.9	13.80	14.28	13.93	596.16	621.18	611.53
South Bend-Mishawaka .....	36.1	44.6	43.5	11.76	11.61	12.02	424.54	517.81	522.87
Terre Haute .....	39.4	44.9	44.3	11.84	12.91	13.28	466.50	579.66	588.30
<b>Iowa</b> .....	41.1	41.7	40.6	11.97	12.15	12.17	491.97	506.66	494.10
Cedar Rapids .....	40.4	41.5	42.6	14.53	14.85	15.02	587.01	616.28	639.85
Des Moines .....	40.9	38.8	37.1	12.95	13.19	12.99	529.66	511.77	481.93
Dubuque .....	42.3	40.8	41.1	12.51	12.69	12.90	529.17	517.75	530.19
Sioux City .....	38.0	39.6	41.2	9.72	9.82	9.76	369.36	388.87	402.11
<b>Kansas</b> .....	40.6	41.6	41.7	11.54	11.93	11.85	468.52	496.29	494.15
Topeka .....	40.3	42.8	42.8	13.52	13.91	13.86	544.86	595.35	593.21
Wichita .....	40.5	40.7	40.9	13.36	13.86	13.65	541.08	564.10	558.29
<b>Kentucky</b> .....	39.7	40.4	39.7	11.26	11.51	11.49	447.02	465.00	456.15
Lexington-Fayette .....	40.9	41.1	40.9	12.17	12.31	12.19	497.75	505.94	498.57
Louisville .....	40.2	41.8	40.0	12.68	13.26	13.19	509.74	554.27	527.60
<b>Louisiana</b> .....	41.7	42.5	41.8	12.19	12.66	12.76	508.32	538.05	534.20
Baton Rouge .....	43.8	44.2	43.2	14.27	14.82	14.89	625.03	655.04	643.25
New Orleans .....	39.1	40.4	40.7	11.82	12.73	12.71	462.16	514.29	517.30
Shreveport .....	40.6	42.6	42.5	13.80	13.15	13.39	560.28	560.19	569.08
<b>Maine</b> .....	39.5	40.9	40.5	11.65	11.58	11.73	460.18	473.62	475.07
Lewiston-Auburn .....	35.3	40.8	40.7	9.45	9.77	9.65	333.58	398.62	392.76
Portland .....	38.1	38.9	38.2	10.57	11.00	10.72	402.72	427.90	409.50
<b>Maryland</b> .....	40.8	41.0	40.8	12.44	12.79	12.82	507.55	524.39	523.06
Baltimore MSA .....	40.5	41.5	41.2	12.95	13.39	13.33	524.48	555.69	549.20
<b>Massachusetts</b> .....	40.8	41.2	40.9	12.16	12.28	12.30	496.13	505.94	503.07
Boston .....	40.6	40.8	40.8	13.04	13.15	13.16	529.42	536.52	536.93
Springfield .....	40.0	41.1	40.8	11.69	12.20	12.13	467.60	501.42	494.90
Worcester .....	41.6	42.2	41.9	11.73	11.56	11.58	487.97	487.83	485.20
<b>Michigan</b> .....	41.5	43.2	41.6	14.70	15.40	15.11	610.05	665.28	628.58
Ann Arbor .....	40.8	43.0	42.0	15.55	17.16	16.64	634.44	737.88	698.88
Battle Creek .....	41.5	44.1	43.6	16.67	16.79	16.98	691.80	740.44	740.33
Detroit .....	41.9	44.6	41.8	15.73	16.71	16.32	659.09	745.27	682.18
Flint .....	42.6	42.4	41.1	18.65	19.89	19.80	794.49	643.34	805.56
Grand Rapids .....	40.6	42.0	42.1	12.59	12.68	12.34	511.15	532.56	519.51
Jackson .....	40.8	42.2	42.0	10.94	10.72	10.65	446.35	452.38	447.30
Kalamazoo .....	43.7	43.6	43.9	15.34	14.69	14.78	670.36	640.48	648.84
Lansing-East Lansing .....	40.9	40.9	38.7	16.45	16.70	16.71	672.80	663.03	646.68
Muskegon .....	40.2	41.1	42.1	12.68	12.07	12.07	509.74	498.08	508.15
Saginaw-Bay City-Midland .....	44.3	44.0	43.2	16.65	17.51	17.14	737.59	770.44	740.45
<b>Minnesota</b> .....	40.8	40.7	40.7	11.82	12.21	12.18	482.26	496.95	495.73
Duluth .....	40.9	39.6	38.4	11.86	11.71	11.83	485.07	463.72	454.27
Minneapolis-St. Paul .....	40.6	40.9	40.6	12.60	13.03	13.01	511.56	532.93	528.21
St. Cloud .....	39.7	38.5	39.3	10.37	10.62	10.74	411.69	408.87	422.08
<b>Mississippi</b> .....	39.8	41.1	40.6	8.86	9.13	9.18	352.63	375.24	372.71
Jackson .....	39.9	40.5	40.0	9.52	9.91	10.02	379.85	401.36	400.60
<b>Missouri</b> .....	40.0	41.7	41.1	11.26	11.49	11.54	450.40	479.13	474.29
Kansas City .....	41.1	41.6	40.7	13.05	13.38	13.45	536.36	556.61	547.42
St. Louis .....	41.5	42.7	42.0	13.63	13.68	13.77	565.65	584.14	578.34
Springfield .....	40.3	42.1	41.2	10.48	10.13	10.18	422.34	426.47	419.42
<b>Montana</b> .....	39.0	38.2	38.1	12.30	12.31	12.41	479.70	470.24	472.82

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Nebraska</b> .....	40.4	41.2	40.9	\$10.19	\$10.38	\$10.43	\$411.68	\$427.66	\$426.59
Lincoln .....	41.9	41.4	42.2	11.58	11.86	12.00	485.20	491.00	506.40
Omaha .....	41.2	40.5	40.4	10.59	10.74	10.95	438.31	434.97	442.38
<b>Nevada</b> .....	40.3	43.0	41.5	11.87	11.71	11.59	478.36	503.53	480.99
Las Vegas .....	40.8	42.4	41.9	13.28	13.18	13.14	539.17	558.83	550.57
<b>New Hampshire</b> .....	39.9	42.0	41.6	11.13	11.56	11.64	444.09	485.52	484.22
Manchester .....	41.9	41.2	43.2	11.23	11.20	11.29	470.54	461.44	487.73
Nashua .....	40.1	44.2	42.5	13.83	15.01	15.06	554.58	663.44	640.05
Portsmouth-Dover-Rochester .....	37.5	42.2	40.2	10.87	11.24	11.47	407.83	474.33	461.09
<b>New Jersey</b> .....	41.0	41.6	41.1	12.64	12.97	13.02	516.24	539.55	535.12
<b>New Mexico</b> .....	39.2	40.6	40.6	9.93	9.69	9.98	389.26	393.41	405.19
Albuquerque .....	40.3	41.4	42.3	10.19	10.11	10.11	410.66	418.55	427.65
<b>New York</b> .....	39.9	40.5	40.1	11.79	11.96	11.98	470.42	484.38	480.40
Albany-Schenectady-Troy .....	40.9	40.3	40.8	13.03	13.27	13.44	532.93	534.76	548.35
Binghamton .....	40.6	41.1	40.9	9.80	9.71	9.90	397.88	399.08	404.91
Buffalo .....	42.4	44.6	43.3	13.96	14.71	14.45	591.90	656.07	625.69
Elmira .....	39.8	43.2	43.3	10.89	11.26	11.26	433.42	486.43	487.56
Nassau-Suffolk .....	39.0	40.3	39.7	11.75	11.29	11.34	458.25	454.99	450.20
New York PMSA .....	37.2	37.9	37.2	10.67	10.73	10.73	396.92	406.67	399.16
New York City .....	36.8	37.5	36.7	10.43	10.43	10.41	383.82	391.13	382.05
Niagara Falls .....	40.4	41.5	40.7	15.17	15.37	15.50	612.87	637.86	630.85
Orange County .....	40.9	41.1	39.0	10.14	10.61	10.53	414.73	436.07	410.67
Poughkeepsie .....	38.7	40.7	40.6	11.20	11.03	11.14	433.44	448.92	452.28
Rochester .....	41.1	42.0	41.6	13.90	13.85	13.95	571.29	581.70	580.32
Rockland County .....	45.6	42.0	43.4	13.89	14.08	14.13	633.36	591.36	613.24
Syracuse .....	41.2	42.0	40.5	13.19	13.36	13.28	543.43	561.12	537.84
Utica-Rome .....	40.6	41.2	41.0	11.02	11.14	11.09	447.41	458.97	454.69
Westchester County .....	39.5	40.2	39.6	12.21	12.01	12.06	482.30	482.80	477.58
<b>North Carolina</b> .....	40.2	40.9	40.2	9.49	9.79	9.79	381.50	400.41	393.56
Asheville .....	40.9	40.5	40.7	9.59	9.78	9.88	392.23	396.09	402.12
Charlotte-Gastonia-Rock Hill .....	40.1	41.4	40.9	10.07	10.31	10.30	403.81	426.83	421.27
Greensboro-Winston-Salem-High Point .....	39.6	39.7	39.1	10.32	10.68	10.66	408.67	424.00	416.81
Raleigh-Durham .....	40.8	41.3	41.3	10.30	10.79	10.86	420.24	445.63	448.52
<b>North Dakota</b> .....	40.1	40.5	40.2	9.68	10.27	10.46	388.17	415.94	420.49
Fargo-Moorhead .....	38.0	39.6	39.2	9.20	9.20	9.00	349.60	364.32	352.80
<b>Ohio</b> .....	42.0	43.0	42.2	13.52	14.04	13.79	567.84	603.72	581.94
Akron .....	42.3	42.6	42.1	12.17	12.60	12.60	514.79	536.76	530.46
Canton .....	42.1	41.4	40.4	12.09	12.25	12.23	508.99	507.15	494.09
Cincinnati .....	41.7	41.9	41.5	12.88	12.96	12.82	537.10	543.02	532.03
Cleveland .....	41.2	43.1	42.1	12.77	13.41	13.31	526.12	577.97	560.35
Columbus .....	41.7	42.1	41.3	13.19	13.52	13.37	550.02	589.19	552.18
Dayton-Springfield .....	42.6	43.9	44.4	14.59	15.36	15.46	621.53	674.30	686.42
Toledo .....	42.6	44.5	42.1	14.63	15.31	14.50	623.24	681.30	610.45
Youngstown-Warren .....	42.8	42.4	41.7	16.14	16.56	16.51	690.79	702.14	688.47
<b>Oklahoma</b> .....	40.9	41.8	41.1	11.60	11.47	11.38	474.44	479.45	466.90
Oklahoma City .....	41.1	43.9	44.6	12.16	12.20	11.87	499.78	535.58	531.78
Tulsa .....	41.4	40.7	41.1	12.08	11.98	12.15	500.11	487.59	499.37
<b>Oregon</b> .....	39.1	39.0	38.2	12.01	12.17	12.32	469.59	474.63	470.62
Eugene-Springfield .....	37.5	38.2	37.4	12.12	12.39	12.59	454.50	473.30	470.67
Medford .....	38.5	40.3	40.5	11.62	11.58	11.80	447.37	466.67	477.90
Portland .....	39.8	39.8	39.4	12.59	12.31	12.54	501.06	489.94	494.08
Salem .....	37.9	37.2	36.1	9.36	10.69	10.89	354.74	397.67	393.13
<b>Pennsylvania</b> .....	40.8	41.2	41.1	11.91	12.11	12.15	485.93	498.93	499.37
Allentown-Bethlehem .....	40.1	40.3	41.1	11.93	11.99	12.05	478.39	483.20	495.26
Altoona .....	40.0	40.7	39.7	10.09	10.18	9.94	403.60	413.51	394.62
Beaver County .....	45.1	46.6	45.4	11.88	11.97	12.07	528.77	557.60	547.98
Erie .....	43.6	43.4	42.9	12.56	12.84	12.74	547.82	557.26	546.55
Harrisburg-Lebanon-Carlisle .....	39.2	40.4	40.3	11.12	11.41	11.44	435.90	460.96	461.03
Johnstown .....	39.8	40.2	39.6	9.20	9.20	9.12	366.16	369.84	361.15

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Lancaster .....	40.2	40.9	40.5	\$11.78	\$11.93	\$11.89	\$473.56	\$487.94	\$481.55
Philadelphia PMSA .....	40.3	41.1	40.9	13.10	13.46	13.51	527.93	553.21	552.56
Pittsburgh .....	41.4	41.7	41.2	12.52	12.96	12.98	516.33	540.43	534.78
Reading .....	41.0	42.1	42.6	12.27	12.65	12.60	503.07	532.57	536.76
Scranton-Wilkes-Barre .....	39.9	39.6	40.1	10.59	10.67	10.65	422.54	422.53	427.07
Sharon .....	41.6	43.0	42.3	12.25	12.07	12.01	509.60	519.01	508.02
State College .....	40.1	39.0	38.5	10.43	10.45	10.44	418.24	407.55	401.94
Williamsport .....	41.3	40.3	41.2	10.29	10.30	10.29	424.98	415.09	423.95
York .....	42.1	42.3	42.5	11.66	11.88	11.91	490.89	502.52	506.18
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	40.4	40.3	39.7	9.88	10.01	10.20	399.15	403.40	404.94
Providence .....	40.6	40.7	39.7	9.42	9.65	9.84	382.45	392.76	390.65
Providence .....	40.1	39.8	38.6	10.13	10.34	10.60	406.21	411.53	409.16
<b>South Carolina</b>									
.....	41.5	41.4	41.2	9.47	9.81	9.85	393.01	406.13	405.82
<b>South Dakota</b>									
Rapid City .....	40.6	42.1	41.9	8.86	8.71	8.84	359.72	366.69	370.40
Rapid City .....	41.7	41.1	41.8	9.12	8.95	9.19	380.30	367.85	382.30
Sioux Falls .....	39.0	41.9	40.2	9.30	8.97	9.11	362.70	375.84	366.22
<b>Tennessee</b>									
Chattanooga .....	40.0	41.0	40.7	10.17	10.25	10.39	406.80	420.25	422.87
Chattanooga .....	39.7	40.6	39.6	9.59	9.89	9.89	380.72	401.53	391.64
Johnson City-Kingsport-Bristol .....	39.3	39.7	38.7	10.47	10.51	10.65	411.47	417.25	412.16
Knoxville .....	39.0	40.1	39.8	10.00	10.02	9.98	390.00	401.80	397.20
Memphis .....	41.3	41.4	41.3	10.56	10.46	10.74	436.13	433.04	443.56
Nashville .....	40.2	40.8	40.7	11.55	11.28	11.55	464.31	460.22	470.09
<b>Texas</b>									
Dallas .....	42.3	42.7	42.6	10.93	11.14	11.15	462.34	475.68	474.99
Dallas .....	41.5	42.8	42.3	10.67	10.93	10.92	442.81	467.60	461.92
Ft. Worth-Arlington .....	41.7	42.9	43.2	11.70	12.07	12.16	487.89	517.80	525.31
Houston .....	44.4	45.2	44.8	13.32	13.34	13.36	591.41	602.97	598.53
San Antonio .....	41.3	42.6	42.5	8.24	8.51	8.67	340.31	362.53	368.48
<b>Utah</b>									
Salt Lake City-Ogden .....	40.2	39.7	40.0	11.11	10.93	10.96	448.62	433.92	438.40
Salt Lake City-Ogden .....	40.4	40.7	40.9	11.39	11.28	11.45	460.16	459.10	468.31
<b>Vermont</b>									
Burlington .....	39.9	42.0	40.5	11.59	11.86	11.82	462.44	489.72	478.71
Burlington .....	40.1	42.7	42.2	11.95	12.00	12.59	479.20	512.40	531.30
<b>Virginia</b>									
Bristol .....	40.9	41.3	41.2	10.75	10.88	10.92	439.68	449.34	449.90
Bristol .....	40.4	41.5	39.4	9.09	9.10	9.32	367.24	377.65	367.21
Charlottesville .....	36.7	37.6	40.6	9.52	9.61	10.14	349.38	381.34	411.68
Danville .....	42.9	41.8	42.5	10.96	10.97	11.10	470.18	458.55	471.75
Lynchburg .....	43.9	43.0	43.3	10.63	10.93	11.06	466.66	469.99	478.90
Northern Virginia .....	40.7	41.0	40.4	13.01	13.86	13.66	529.51	568.26	551.86
Richmond-Petersburg .....	42.2	42.3	41.9	14.19	13.73	13.73	598.82	580.78	575.29
Roanoke .....	40.7	41.1	42.1	12.19	12.25	12.40	496.13	503.48	522.04
<b>Washington</b>									
.....	39.7	40.3	39.9	13.59	13.94	13.97	539.52	561.78	557.40
<b>West Virginia</b>									
Charleston .....	40.2	41.1	40.6	12.17	12.38	12.33	489.23	508.82	500.60
Charleston .....	44.6	44.6	43.4	14.66	15.84	15.92	653.84	706.46	690.93
Huntington-Ashland .....	41.0	40.4	41.1	13.95	14.11	14.12	571.95	570.04	580.33
Parkersburg-Marietta .....	41.4	41.8	41.2	14.44	15.16	14.68	597.82	633.69	604.82
Wheeling .....	39.4	39.0	39.9	13.87	13.67	13.93	546.48	533.13	555.81
<b>Wisconsin</b>									
Appleton-Oshkosh .....	41.7	41.7	41.6	11.79	12.11	12.02	491.64	504.99	500.03
Appleton-Oshkosh .....	43.0	43.3	43.0	12.51	13.08	13.15	537.93	566.36	565.45
Eau Claire .....	41.8	40.2	38.8	12.15	12.18	12.11	507.87	489.64	469.87
Green Bay .....	42.0	42.3	40.9	12.78	12.89	12.76	536.76	545.25	521.88
Janesville-Beloit .....	42.8	45.0	43.9	15.29	16.08	16.10	651.35	723.60	706.79
Kenosha .....	41.9	39.8	38.6	11.75	13.01	12.11	492.33	517.80	467.45
La Crosse .....	39.6	40.8	41.1	10.61	10.82	10.63	420.16	441.46	436.89
Madison .....	40.8	41.1	40.6	10.90	11.20	11.18	444.72	480.32	453.91
Milwaukee .....	41.3	40.9	41.4	12.96	12.92	13.10	535.25	528.43	542.34
Racine .....	40.9	39.6	40.1	12.60	12.34	12.04	515.34	488.66	482.80
Sheboygan .....	40.2	40.7	40.5	11.76	12.10	11.88	472.75	492.47	481.14
Wausau .....	40.4	41.6	42.6	10.71	11.79	11.44	432.68	490.46	487.34
<b>Wyoming</b>									
.....	38.8	38.1	37.8	10.99	11.70	12.13	424.21	445.77	458.51
<b>Puerto Rico</b>									
.....	39.9	39.8	( <sup>1</sup> )	6.68	6.97	( <sup>1</sup> )	266.53	277.41	( <sup>1</sup> )
<b>Virgin Islands</b>									
.....	41.8	42.2	43.4	13.49	15.06	14.94	563.88	635.53	648.40

<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.

C-9. Nonfarm employee hours by major industry, seasonally adjusted

Industry	Millions of hours (annual rate) <sup>1</sup>			Percent change		
	June 1993 <sup>r</sup>	July 1993 <sup>r</sup>	Aug. 1993 <sup>p</sup>	Aug. 1992 to Aug. 1993 <sup>p</sup>	June 1993 to July 1993 <sup>r</sup>	July 1993 to Aug. 1993 <sup>p</sup>
Total .....	203,571	204,059	205,233	2.1	.2	.6
Private sector .....	165,749	166,323	167,586	2.5	.3	.8
Mining .....	1,351	1,377	1,381	-3.7	1.9	.3
Construction .....	9,157	9,321	9,281	5.1	1.8	-.4
Manufacturing .....	37,984	38,024	38,010	-.8	.1	.0
Durable goods .....	21,608	21,610	21,640	-1.2	.0	.1
Nondurable goods .....	16,376	16,415	16,371	-.2	.2	-.3
Transportation and public utilities .....	11,729	11,776	11,917	2.7	.4	1.2
Wholesale trade .....	12,137	12,169	12,214	1.6	.3	.4
Retail trade .....	29,579	29,630	29,836	3.2	.2	.7
Finance, insurance, and real estate .....	12,225	12,236	12,573	1.6	.1	2.8
Services .....	51,586	51,790	52,373	4.6	.4	1.1
Government .....	37,822	37,736	37,648	.7	-.2	-.2

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

<sup>p</sup> = preliminary.

<sup>r</sup> = revised.

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

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

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

**PRODUCTIVITY DATA  
SEASONALLY ADJUSTED**

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

(1982=100)

Item	Annual average		Quarterly index										
	1991	1992	1990	1991				1992				1993	
			IV	I	II	III	IV	I	II	III	IV	I	II <sup>1</sup>
<b>Business sector</b>													
Output per hour of all persons.....	110.2	113.3	109.8	109.4	109.9	110.5	111.3	112.5	112.7	113.6	114.6	114.1	113.6
Output.....	129.8	132.8	131.3	129.2	129.5	130.0	130.6	131.4	131.9	133.0	134.7	134.9	135.4
Hours.....	117.7	117.2	119.6	118.1	117.8	117.6	117.3	116.7	117.0	117.1	117.6	118.2	119.3
Compensation per hour.....	146.8	152.1	143.1	144.2	146.3	147.7	149.0	150.7	151.3	152.7	154.2	155.6	156.4
Real compensation per hour.....	104.0	104.6	103.3	103.1	104.0	104.3	104.4	104.7	104.3	104.6	104.8	104.8	104.6
Unit labor costs.....	133.1	134.3	130.3	131.9	133.2	133.7	133.8	133.9	134.2	134.4	134.6	138.3	137.7
Unit nonlabor payments.....	142.5	148.9	139.4	141.1	141.7	143.0	144.2	146.8	148.8	148.1	151.9	151.3	151.2
Implicit price deflator.....	138.2	139.1	133.3	134.9	136.0	136.7	137.3	138.2	139.0	136.9	140.3	141.2	142.2
<b>Nonfarm business sector</b>													
Output per hour of all persons.....	108.8	111.7	108.3	108.0	108.5	109.1	109.7	110.9	111.2	112.0	112.9	112.4	111.7
Output.....	130.0	132.9	131.5	129.4	129.7	130.2	130.7	131.5	132.0	133.2	134.8	135.1	135.7
Hours.....	119.5	119.0	121.4	119.9	119.5	119.4	119.1	118.6	118.7	118.9	119.4	120.2	121.4
Compensation per hour.....	145.7	150.9	141.9	143.1	145.2	146.6	147.8	149.4	150.1	151.4	152.9	154.1	154.7
Real compensation per hour.....	103.2	103.8	102.4	102.3	103.3	103.5	103.5	103.8	103.5	103.7	103.9	103.7	103.4
Unit labor costs.....	133.8	135.1	131.0	132.5	133.8	134.4	134.7	134.8	135.0	135.2	135.4	137.0	136.4
Unit nonlabor payments.....	143.7	150.4	140.5	142.4	142.4	144.2	145.8	148.2	150.4	149.6	153.3	152.7	152.3
Implicit price deflator.....	137.0	140.0	134.1	135.7	136.6	137.5	138.3	139.1	139.9	139.9	141.2	142.1	142.9
<b>Manufacturing</b>													
Output per hour of all persons.....	123.4	129.1	122.1	121.6	122.8	124.4	125.2	126.6	128.3	129.5	131.7	133.2	134.9
Output.....	126.7	130.6	128.4	125.4	125.6	127.6	128.0	128.7	130.3	130.7	132.8	135.0	135.9
Hours.....	102.6	101.2	105.2	103.1	102.3	102.6	102.2	101.6	101.6	100.9	100.9	101.3	100.7
Compensation per hour.....	141.2	145.5	137.1	136.9	140.8	141.8	143.6	143.2	144.5	145.7	148.0	148.2	149.9
Real compensation per hour.....	100.0	100.1	98.9	99.3	100.1	100.2	100.6	99.5	99.6	99.8	100.6	99.8	100.3
Unit labor costs.....	114.4	112.7	112.3	114.2	114.7	114.0	114.7	113.1	112.6	112.5	112.4	111.3	111.2
<b>Durable goods</b>													
Output per hour of all persons.....	131.0	139.6	129.3	128.8	129.7	132.0	133.9	135.4	138.5	140.3	143.8	146.8	149.3
Output.....	132.0	137.4	134.6	130.7	130.7	132.8	133.6	134.4	136.8	137.5	140.8	144.3	145.5
Hours.....	100.7	98.4	104.1	101.5	100.8	100.6	99.8	99.3	98.8	98.0	97.9	98.3	97.5
Compensation per hour.....	139.0	143.0	135.0	136.6	138.4	139.5	141.8	140.6	141.9	143.0	145.9	145.5	147.1
Real compensation per hour.....	98.5	98.3	97.4	97.7	98.4	98.5	99.3	97.7	97.8	97.9	99.2	98.0	98.3
Unit labor costs.....	106.1	102.4	104.4	108.1	106.7	105.6	105.9	103.8	102.4	101.9	101.4	99.1	98.5
<b>Nondurable goods</b>													
Output per hour of all persons.....	114.1	116.4	113.2	112.8	114.3	115.0	114.6	115.8	115.9	116.4	117.1	117.0	117.6
Output.....	120.1	122.4	120.9	118.8	119.4	121.2	121.1	121.6	122.3	122.3	123.1	123.6	124.0
Hours.....	105.3	105.1	106.8	105.4	104.5	105.3	105.7	105.0	105.6	105.1	105.2	105.6	105.4
Compensation per hour.....	145.6	150.6	141.0	143.2	145.3	146.4	147.6	148.4	149.8	151.3	152.5	153.8	155.8
Real compensation per hour.....	103.1	103.6	101.7	102.4	103.3	103.4	103.4	103.1	103.3	103.6	103.7	103.6	104.2
Unit labor costs.....	127.6	129.4	124.6	127.0	127.1	127.3	128.8	128.1	129.3	130.0	130.2	131.5	132.5
<b>Nonfinancial corporations</b>													
Output per all-employee hour.....	114.1	117.7	112.8	113.1	113.8	114.3	115.5	116.3	116.9	118.2	119.6	118.7	( <sup>1</sup> )
Output.....	134.8	139.0	135.8	134.1	134.3	134.9	136.0	136.8	137.9	139.3	141.8	141.1	( <sup>1</sup> )
Hours.....	116.2	116.1	120.3	118.6	116.0	118.0	117.8	117.6	118.0	117.9	118.5	116.9	( <sup>1</sup> )
Compensation per hour.....	143.3	147.4	139.9	140.9	143.0	144.2	145.4	146.3	146.8	147.9	149.1	150.1	( <sup>1</sup> )
Real compensation per hour.....	101.5	101.4	100.9	100.7	101.7	101.9	101.9	101.6	101.3	101.3	101.3	101.1	( <sup>1</sup> )
Total unit costs.....	124.7	124.2	122.7	123.9	124.7	125.3	125.0	124.6	124.4	124.5	123.3	125.0	( <sup>1</sup> )
Unit labor costs.....	125.6	125.3	124.0	124.6	125.7	126.2	125.9	125.7	125.6	125.2	124.6	126.5	( <sup>1</sup> )
Unit nonlabor costs.....	122.6	121.5	119.5	122.2	122.1	123.1	122.8	121.7	121.4	122.8	120.0	121.3	( <sup>1</sup> )
Unit profits.....	152.9	182.7	149.7	151.3	154.5	150.7	155.2	167.7	179.6	179.3	203.4	192.3	( <sup>1</sup> )
Implicit price deflator.....	126.5	127.8	124.4	125.6	126.5	126.9	126.9	127.3	127.8	127.9	128.3	129.2	( <sup>1</sup> )

<sup>p</sup> = preliminary.

<sup>1</sup> Not available.

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

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					
	I 1992	II 1992	III 1992	IV 1992	I 1993	II 1993 <sup>P</sup>	I 1992	II 1992	III 1992	IV 1992	I 1993	II 1993 <sup>P</sup>
<b>Business sector</b>												
Output per hour of all persons.....	4.3	.7	3.2	3.4	-1.5	-2.1	2.9	2.6	2.8	2.9	1.4	.7
Output.....	2.3	1.6	3.6	5.2	.5	1.5	1.7	1.9	2.4	3.2	2.7	2.7
Hours.....	-1.9	.9	.3	1.8	2.0	3.6	-1.2	-7	-5	.3	1.3	1.9
Compensation per hour.....	4.7	1.5	3.9	3.8	3.6	2.2	4.5	3.4	3.4	3.5	3.2	3.4
Real compensation per hour.....	1.3	-1.6	1.2	.7	-2	-7	1.6	.3	.3	.4	.0	.2
Unit labor costs.....	.3	.8	.7	.5	5.1	4.4	1.6	.8	.6	.5	1.7	2.6
Unit nonlabor payments.....	7.2	5.6	-1.8	10.8	-1.7	-2	4.0	5.0	3.6	5.3	3.1	1.6
Implicit price deflator.....	2.6	2.4	-2	4.0	2.7	2.7	2.4	2.2	1.6	2.2	2.2	2.3
<b>Nonfarm business sector</b>												
Output per hour of all persons.....	4.2	1.4	2.7	3.2	-1.6	-2.5	2.7	2.5	2.6	2.8	1.4	.4
Output.....	2.3	1.7	3.5	5.1	.8	1.7	1.6	1.8	2.3	3.1	2.8	2.8
Hours.....	-1.8	.4	.7	1.8	2.5	4.3	-1.1	-7	-4	.3	1.3	2.3
Compensation per hour.....	4.5	2.0	3.5	3.9	3.2	1.6	4.4	3.4	3.3	3.4	3.1	3.0
Real compensation per hour.....	1.1	-1.1	.8	.7	-6	-1.3	1.5	.3	.2	.3	-1	-1
Unit labor costs.....	.3	.6	.7	.6	4.8	4.2	1.7	.8	.6	.6	1.7	2.6
Unit nonlabor payments.....	6.7	6.2	-2.1	10.2	-1.5	-1.0	4.1	5.6	3.8	5.1	3.1	1.3
Implicit price deflator.....	2.4	2.5	-.3	3.9	2.6	2.4	2.5	2.5	1.7	2.1	2.2	2.1
<b>Manufacturing</b>												
Output per hour of all persons.....	4.5	5.3	3.8	7.0	4.9	5.0	4.1	4.5	4.1	5.2	5.2	5.2
Output.....	2.1	5.2	1.1	6.8	6.6	2.7	2.8	3.7	2.4	3.8	4.9	4.3
Hours.....	-2.3	-1	-2.6	-2	1.7	-2.2	-1.4	-7	-1.6	-1.3	-.3	-.8
Compensation per hour.....	-1.1	3.6	3.4	6.3	.8	4.7	3.1	2.6	2.7	3.0	3.5	3.8
Real compensation per hour.....	-4.3	.4	.7	3.1	-2.9	1.7	.2	-4	-3	.0	.3	.6
Unit labor costs.....	-5.4	-1.7	-.4	-.6	-3.9	-.3	-1.0	-1.8	-1.3	-2.0	-1.7	-1.3
<b>Durable goods</b>												
Output per hour of all persons.....	4.6	9.4	5.3	10.3	8.6	7.1	5.2	6.8	6.3	7.4	8.4	7.8
Output.....	2.4	7.4	2.0	9.8	10.4	3.6	2.9	4.7	3.5	5.4	7.3	6.4
Hours.....	-2.0	-1.8	-3.2	-.5	1.6	-3.3	-2.2	-2.0	-2.6	-1.9	-1.0	-1.4
Compensation per hour.....	-3.2	3.7	3.1	8.4	-1.0	4.5	2.9	2.5	2.5	2.9	3.5	3.7
Real compensation per hour.....	-6.3	.5	.4	5.1	-4.7	1.5	.0	-.6	-.6	-.2	.3	.5
Unit labor costs.....	-7.4	-5.2	-2.1	-1.8	-8.9	-2.5	-2.2	-4.0	-3.5	-4.2	-4.5	-3.9
<b>Nondurable goods</b>												
Output per hour of all persons.....	4.5	.1	1.7	2.5	-2	2.1	2.7	1.4	1.2	2.2	1.0	1.5
Output.....	1.7	2.3	.0	2.7	1.5	1.4	2.3	2.4	1.0	1.7	1.6	1.4
Hours.....	-2.7	2.2	-1.7	.2	1.7	-.7	-.3	1.0	-.2	-.5	.6	-.1
Compensation per hour.....	2.3	3.8	4.0	3.3	3.6	5.3	3.6	3.1	3.3	3.3	3.7	4.0
Real compensation per hour.....	-1.0	.7	1.3	.1	-2	2.3	.7	.0	.2	.3	.5	.9
Unit labor costs.....	-2.1	3.6	2.2	.8	3.8	3.1	.9	1.7	2.1	1.1	2.6	2.5
<b>Nonfinancial corporations</b>												
Output per all-employee hour.....	2.9	2.0	4.4	5.0	-3.2	( <sup>1</sup> )	2.9	2.8	3.4	3.6	2.0	( <sup>1</sup> )
Output.....	2.3	3.4	3.9	7.4	-1.8	( <sup>1</sup> )	2.0	2.7	3.3	4.2	3.2	( <sup>1</sup> )
Hours.....	-6	1.4	-.5	2.2	1.4	( <sup>1</sup> )	-.8	.0	-.1	.8	1.1	( <sup>1</sup> )
Compensation per hour.....	2.4	1.6	3.0	3.1	2.8	( <sup>1</sup> )	3.8	2.7	2.6	2.5	2.6	( <sup>1</sup> )
Real compensation per hour.....	-9	-1.5	.3	.0	-1.0	( <sup>1</sup> )	.9	-.4	-.5	-.5	-.6	( <sup>1</sup> )
Total unit costs.....	-1.4	-.6	.3	-.3	5.6	( <sup>1</sup> )	.5	-.2	-.6	-1.4	.3	( <sup>1</sup> )
Unit labor costs.....	-.5	-.4	-1.4	-1.8	6.1	( <sup>1</sup> )	.9	-.1	-.8	-1.0	.6	( <sup>1</sup> )
Unit nonlabor costs.....	-3.5	-.9	4.8	-8.8	4.2	( <sup>1</sup> )	-.4	-.8	-.2	-2.2	-.3	( <sup>1</sup> )
Unit profits.....	36.3	31.5	-.6	65.5	-20.1	( <sup>1</sup> )	10.8	16.2	19.0	31.1	14.7	( <sup>1</sup> )
Implicit price deflator.....	1.2	1.8	.2	1.1	2.8	( <sup>1</sup> )	1.3	1.0	.8	1.1	1.5	( <sup>1</sup> )

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

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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.
<b>NORTHEAST</b>													
Civilian noninstitutional population <sup>2</sup> .....	39,498	39,505	39,518	39,533	39,547	39,551	39,555	39,567	39,570	39,572	39,577	39,582	39,584
Civilian labor force .....	25,605	25,576	25,567	25,727	25,746	25,688	25,612	25,564	25,425	25,591	25,534	25,522	25,608
Employed .....	23,481	23,440	23,489	23,641	23,653	23,649	23,665	23,703	23,588	23,756	23,733	23,733	23,749
Unemployed .....	2,124	2,137	2,078	2,086	2,093	2,039	1,947	1,862	1,837	1,835	1,802	1,789	1,858
Unemployment rate .....	8.3	8.4	8.1	8.1	8.1	7.9	7.6	7.3	7.2	7.2	7.1	7.0	7.3
<b>New England</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,216	10,220	10,224	10,231	10,236	10,239	10,241	10,247	10,244	10,243	10,242	10,241	10,239
Civilian labor force .....	7,079	7,055	7,075	7,140	7,123	7,127	7,054	7,054	6,985	7,007	7,082	7,069	7,097
Employed .....	6,524	6,480	6,511	6,544	6,530	6,562	6,524	6,557	6,499	6,536	6,633	6,629	6,641
Unemployed .....	556	575	564	597	593	565	530	497	486	470	449	440	456
Unemployment rate .....	7.8	8.2	8.0	8.4	8.3	7.9	7.5	7.0	7.0	6.7	6.3	6.2	6.4
<b>Middle Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,281	29,285	29,294	29,302	29,312	29,312	29,314	29,320	29,326	29,329	29,335	29,341	29,345
Civilian labor force .....	18,526	18,521	18,492	18,587	18,623	18,561	18,558	18,511	18,440	18,585	18,452	18,453	18,511
Employed .....	16,957	16,960	16,978	17,098	17,123	17,087	17,141	17,146	17,089	17,220	17,100	17,104	17,109
Unemployed .....	1,569	1,562	1,514	1,489	1,500	1,474	1,417	1,365	1,351	1,365	1,353	1,348	1,402
Unemployment rate .....	8.5	8.4	8.2	8.0	8.1	7.9	7.6	7.4	7.3	7.3	7.3	7.3	7.6
<b>SOUTH</b>													
Civilian noninstitutional population <sup>2</sup> .....	65,898	65,962	66,036	66,108	66,166	66,241	66,302	66,372	66,447	66,520	66,598	66,677	66,750
Civilian labor force .....	43,178	43,135	43,109	43,161	43,249	43,099	43,460	43,417	43,239	43,569	43,525	43,422	43,641
Employed .....	40,058	40,053	40,092	40,184	40,313	40,176	40,667	40,465	40,315	40,774	40,639	40,551	40,783
Unemployed .....	3,120	3,083	3,017	2,977	2,936	2,923	2,792	2,952	2,924	2,795	2,886	2,872	2,858
Unemployment rate .....	7.2	7.1	7.0	6.9	6.8	6.8	6.4	6.8	6.8	6.4	6.6	6.6	6.5
<b>South Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	34,126	34,170	34,220	34,265	34,317	34,355	34,396	34,441	34,480	34,516	34,555	34,596	34,632
Civilian labor force .....	22,469	22,460	22,448	22,480	22,577	22,588	22,815	22,729	22,679	22,746	22,722	22,594	22,675
Employed .....	20,826	20,868	20,906	20,949	21,140	21,100	21,360	21,226	21,199	21,356	21,257	21,135	21,208
Unemployed .....	1,644	1,592	1,542	1,531	1,437	1,488	1,456	1,502	1,480	1,390	1,465	1,458	1,467
Unemployment rate .....	7.3	7.1	6.9	6.8	6.4	6.6	6.4	6.6	6.5	6.1	6.4	6.5	6.5
<b>East South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	11,718	11,724	11,731	11,740	11,748	11,753	11,759	11,766	11,778	11,791	11,804	11,818	11,830
Civilian labor force .....	7,370	7,359	7,345	7,383	7,390	7,298	7,404	7,429	7,336	7,470	7,476	7,444	7,432
Employed .....	6,854	6,868	6,843	6,883	6,872	6,819	6,981	6,883	6,799	6,945	6,983	6,966	6,968
Unemployed .....	516	491	502	500	518	479	423	546	537	525	492	478	463
Unemployment rate .....	7.0	6.7	6.8	6.8	7.0	6.6	5.7	7.3	7.3	7.0	6.6	6.4	6.2
<b>West South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	20,053	20,068	20,085	20,103	20,122	20,133	20,147	20,164	20,189	20,213	20,239	20,264	20,288
Civilian labor force .....	13,338	13,317	13,316	13,298	13,283	13,212	13,240	13,260	13,224	13,352	13,327	13,384	13,534
Employed .....	12,378	12,317	12,343	12,352	12,301	12,257	12,327	12,356	12,317	12,472	12,398	12,449	12,607
Unemployed .....	960	1,000	973	946	982	955	913	904	907	880	929	935	927
Unemployment rate .....	7.2	7.5	7.3	7.1	7.4	7.2	6.9	6.8	6.9	6.6	7.0	7.0	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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.
<b>MIDWEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	45,917	45,936	45,962	45,987	46,014	46,028	46,042	46,064	46,095	46,123	46,155	46,191	46,219
Civilian labor force .....	31,439	31,389	31,221	31,243	31,373	31,316	31,208	31,190	31,153	31,488	31,663	31,679	31,776
Employed .....	29,410	29,352	29,307	29,343	29,430	29,374	29,224	29,315	29,216	29,483	29,662	29,830	30,034
Unemployed .....	2,029	2,037	1,914	1,900	1,944	1,942	1,985	1,875	1,936	2,005	2,001	1,849	1,742
Unemployment rate .....	6.5	6.5	6.1	6.1	6.2	6.2	6.4	6.0	6.2	6.4	6.3	5.8	5.5
<b>East North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	32,383	32,397	32,415	32,433	32,453	32,461	32,473	32,489	32,511	32,530	32,552	32,577	32,595
Civilian labor force .....	21,884	21,839	21,675	21,678	21,792	21,722	21,640	21,696	21,697	21,897	21,994	22,010	22,064
Employed .....	20,307	20,250	20,202	20,213	20,303	20,279	20,176	20,320	20,237	20,378	20,512	20,632	20,749
Unemployed .....	1,577	1,588	1,473	1,465	1,489	1,443	1,464	1,376	1,461	1,520	1,482	1,378	1,316
Unemployment rate .....	7.2	7.3	6.8	6.8	6.8	6.6	6.8	6.3	6.7	6.9	6.7	6.3	6.0
<b>West North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	13,533	13,539	13,547	13,554	13,562	13,567	13,569	13,575	13,584	13,593	13,603	13,614	13,624
Civilian labor force .....	9,555	9,550	9,546	9,565	9,581	9,594	9,568	9,494	9,455	9,591	9,669	9,668	9,712
Employed .....	9,104	9,101	9,105	9,130	9,127	9,095	9,048	8,995	8,980	9,106	9,150	9,197	9,285
Unemployed .....	452	449	441	435	454	499	521	500	476	485	519	471	427
Unemployment rate .....	4.7	4.7	4.6	4.5	4.7	5.2	5.4	5.3	5.0	5.1	5.4	4.9	4.4
<b>WEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	40,478	40,544	40,616	40,687	40,761	40,824	40,886	40,955	41,014	41,067	41,126	41,184	41,240
Civilian labor force .....	27,108	27,159	27,066	27,210	27,212	27,218	27,306	27,327	27,245	27,320	27,253	27,468	27,306
Employed .....	24,829	24,925	24,760	24,879	24,911	24,965	25,026	25,096	25,125	25,208	25,096	25,153	25,125
Unemployed .....	2,279	2,234	2,306	2,331	2,301	2,252	2,280	2,230	2,120	2,112	2,156	2,315	2,181
Unemployment rate .....	8.4	8.2	8.5	8.6	8.5	8.3	8.3	8.2	7.8	7.7	7.9	8.4	8.0
<b>Mountain</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,221	10,232	10,247	10,259	10,274	10,286	10,296	10,310	10,332	10,353	10,376	10,399	10,420
Civilian labor force .....	6,789	6,877	6,864	6,894	6,911	6,945	6,848	6,934	6,892	7,011	7,032	7,024	7,048
Employed .....	6,353	6,437	6,436	6,467	6,470	6,488	6,452	6,499	6,460	6,595	6,615	6,643	6,642
Unemployed .....	436	440	428	427	441	457	396	435	432	416	417	381	406
Unemployment rate .....	6.4	6.4	6.2	6.2	6.4	6.6	5.8	6.3	6.3	5.9	5.9	5.4	5.8
<b>Pacific</b>													
Civilian noninstitutional population <sup>2</sup> .....	30,256	30,312	30,369	30,428	30,488	30,538	30,590	30,645	30,682	30,714	30,750	30,785	30,820
Civilian labor force .....	20,319	20,282	20,202	20,316	20,301	20,273	20,458	20,392	20,352	20,309	20,221	20,444	20,258
Employed .....	18,476	18,489	18,325	18,412	18,441	18,477	18,575	18,598	18,665	18,613	18,481	18,510	18,482
Unemployed .....	1,843	1,794	1,878	1,904	1,860	1,796	1,884	1,795	1,688	1,697	1,740	1,935	1,776
Unemployment rate .....	9.1	8.8	9.3	9.4	9.2	8.9	9.2	8.8	8.3	8.4	8.6	9.5	8.8

<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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>Alabama</b>													
Civilian labor force .....	1,953.1	1,961.1	1,940.4	1,925.6	1,941.7	1,932.2	1,968.1	1,970.1	1,980.9	1,943.3	1,966.0	1,968.8	1,957.9
Employed .....	1,802.1	1,819.7	1,805.5	1,803.5	1,809.8	1,796.9	1,812.1	1,822.7	1,825.3	1,797.4	1,824.1	1,817.6	1,808.6
Unemployed .....	151.0	141.4	134.9	122.1	131.9	135.3	156.0	147.4	155.6	145.9	141.9	149.0	149.2
Unemployment rate .....	7.7	7.2	6.9	6.3	6.8	7.0	7.9	7.5	7.9	7.5	7.2	7.6	7.6
<b>Alaska</b>													
Civilian labor force .....	264.5	262.9	262.6	261.8	263.8	263.1	264.0	263.7	267.1	265.1	269.7	270.1	268.8
Employed .....	239.1	238.0	240.3	237.5	240.7	241.1	241.6	242.0	247.2	243.8	246.9	246.9	247.5
Unemployed .....	25.4	24.8	22.4	24.3	23.1	22.0	22.4	21.6	19.9	21.3	22.8	21.2	21.3
Unemployment rate .....	9.6	9.5	8.5	9.3	8.8	8.4	8.5	8.2	7.5	8.1	8.5	7.9	7.9
<b>Arizona</b>													
Civilian labor force .....	1,741.4	1,713.7	1,736.9	1,735.5	1,734.7	1,742.2	1,776.9	1,730.4	1,739.3	1,718.2	1,721.1	1,712.4	1,735.0
Employed .....	1,618.4	1,589.6	1,611.6	1,607.1	1,608.7	1,615.7	1,639.9	1,603.6	1,613.8	1,594.5	1,612.6	1,610.0	1,639.3
Unemployed .....	124.9	124.1	125.3	128.3	126.0	126.5	136.9	126.9	125.6	123.8	108.5	102.4	95.7
Unemployment rate .....	7.2	7.2	7.2	7.4	7.3	7.3	7.7	7.3	7.2	7.2	6.3	6.0	5.5
<b>Arkansas</b>													
Civilian labor force .....	1,159.3	1,150.1	1,145.8	1,142.8	1,124.8	1,121.7	1,108.1	1,119.8	1,132.4	1,134.9	1,147.5	1,170.5	1,172.7
Employed .....	1,076.2	1,069.7	1,062.9	1,061.0	1,041.0	1,038.8	1,027.3	1,045.5	1,061.0	1,066.1	1,073.8	1,102.5	1,107.3
Unemployed .....	83.0	80.5	82.6	81.9	83.6	82.9	80.8	74.3	71.5	68.8	73.7	68.0	65.4
Unemployment rate .....	7.2	7.0	7.2	7.2	7.4	7.4	7.3	6.6	6.3	5.9	6.4	5.8	5.6
<b>California<sup>1</sup></b>													
Civilian labor force .....	15,247.0	15,313.1	15,283.8	15,211.4	15,282.9	15,365.5	15,242.3	15,405.1	15,341.8	15,329.5	15,341.8	15,202.4	15,400.3
Employed .....	13,861.2	13,830.7	13,837.2	13,721.7	13,757.4	13,862.5	13,801.4	13,898.8	13,894.4	14,017.4	14,003.3	13,815.6	13,896.8
Unemployed .....	1,385.8	1,482.4	1,446.6	1,489.7	1,525.5	1,503.0	1,440.9	1,506.4	1,447.3	1,312.2	1,338.5	1,386.8	1,503.4
Unemployment rate .....	9.1	9.7	9.5	9.8	10.0	9.8	9.5	9.8	9.4	8.6	8.7	9.1	9.8
<b>Colorado</b>													
Civilian labor force .....	1,756.3	1,765.5	1,752.7	1,766.6	1,768.5	1,770.0	1,802.9	1,784.6	1,794.7	1,765.3	1,775.1	1,774.4	1,795.5
Employed .....	1,645.8	1,654.4	1,648.6	1,664.4	1,667.8	1,670.8	1,698.3	1,683.6	1,691.0	1,671.9	1,675.0	1,678.4	1,701.1
Unemployed .....	110.7	111.0	104.2	102.2	100.7	99.2	104.6	101.0	103.7	93.5	100.1	96.0	94.4
Unemployment rate .....	6.3	6.3	5.9	5.8	5.7	5.6	5.8	5.7	5.8	5.3	5.6	5.4	5.3
<b>Connecticut</b>													
Civilian labor force .....	1,766.2	1,792.1	1,786.4	1,802.0	1,796.1	1,785.9	1,759.7	1,746.3	1,749.1	1,751.8	1,758.3	1,788.2	1,812.7
Employed .....	1,652.5	1,657.8	1,650.3	1,667.4	1,659.5	1,653.1	1,635.4	1,627.7	1,626.3	1,620.9	1,628.1	1,668.7	1,695.0
Unemployed .....	133.7	134.5	136.1	134.5	136.6	132.7	124.3	118.7	122.8	130.9	130.2	119.5	117.8
Unemployment rate .....	7.5	7.5	7.6	7.5	7.6	7.4	7.1	6.8	7.0	7.5	7.4	6.7	6.5
<b>Delaware</b>													
Civilian labor force .....	372.5	373.2	374.8	375.1	375.4	376.3	378.5	378.6	376.7	377.6	374.5	379.3	380.0
Employed .....	351.3	353.7	355.9	354.9	358.1	358.6	361.8	359.1	357.4	358.4	358.1	364.0	361.7
Unemployed .....	21.2	19.6	19.0	20.2	17.4	17.7	16.7	19.4	19.3	19.5	16.4	15.3	18.2
Unemployment rate .....	5.7	5.2	5.1	5.4	4.6	4.7	4.4	5.1	5.1	5.1	4.4	4.0	4.8
<b>District of Columbia</b>													
Civilian labor force .....	274.7	271.9	272.5	270.2	268.7	268.0	264.8	271.3	270.0	273.2	272.3	267.4	270.8
Employed .....	250.6	247.7	248.9	247.1	244.7	244.3	239.5	247.6	247.2	250.5	249.6	244.8	246.8
Unemployed .....	24.0	24.1	23.6	23.1	24.0	23.7	25.3	23.7	22.8	22.7	22.6	22.6	21.9
Unemployment rate .....	8.6	8.9	8.7	8.6	8.9	8.8	9.6	8.7	8.5	8.3	8.3	8.5	8.1
<b>Florida<sup>1</sup></b>													
Civilian labor force .....	6,619.9	6,590.1	6,626.2	6,592.4	6,572.6	6,586.1	6,643.8	6,713.9	6,667.7	6,689.9	6,790.3	6,803.3	6,686.3
Employed .....	6,061.8	6,029.8	6,051.8	6,060.6	6,068.1	6,109.2	6,124.6	6,262.6	6,205.8	6,246.4	6,299.4	6,324.2	6,216.7
Unemployed .....	558.3	560.5	576.8	501.8	504.5	476.9	519.0	451.3	461.9	443.4	490.9	479.1	469.6
Unemployment rate .....	8.4	8.5	8.7	7.6	7.7	7.2	7.6	6.7	6.9	6.6	7.2	7.0	7.0

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>Georgia</b>													
Civilian labor force .....	3,255.2	3,250.2	3,238.9	3,266.2	3,263.1	3,253.7	3,279.2	3,283.4	3,273.9	3,275.5	3,284.2	3,278.8	3,288.8
Employed .....	3,004.9	3,003.6	3,010.6	3,025.9	3,035.1	3,037.0	3,082.2	3,068.7	3,055.8	3,075.6	3,108.6	3,118.5	3,118.3
Unemployed .....	250.3	246.4	228.3	240.2	226.1	216.7	217.0	214.6	218.1	199.9	175.6	160.0	170.5
Unemployment rate .....	7.7	7.6	7.0	7.4	7.0	6.7	6.6	6.5	6.7	6.1	5.3	4.9	5.2
<b>Hawaii</b>													
Civilian labor force .....	576.0	575.1	575.5	576.1	577.3	577.5	578.5	569.7	570.8	578.2	576.7	575.5	580.3
Employed .....	547.5	547.4	547.2	546.9	548.3	550.0	549.5	542.4	543.6	549.8	549.3	549.4	553.0
Unemployed .....	28.5	27.7	28.3	29.2	29.0	27.6	27.0	27.3	27.2	28.4	27.4	26.0	27.3
Unemployment rate .....	5.0	4.8	4.9	5.1	5.0	4.8	4.7	4.8	4.8	4.9	4.8	4.5	4.7
<b>Idaho</b>													
Civilian labor force .....	520.2	521.9	522.9	521.3	522.3	520.4	520.9	516.0	513.9	509.1	520.3	520.3	525.9
Employed .....	487.7	488.6	489.1	488.2	489.3	488.2	486.4	482.9	477.9	473.6	483.9	486.8	493.3
Unemployed .....	32.5	33.3	33.9	33.1	33.0	32.2	34.5	33.1	36.0	35.5	36.4	33.6	32.6
Unemployment rate .....	6.2	6.4	6.5	6.3	6.3	6.2	6.6	6.4	7.0	7.0	7.0	6.5	6.2
<b>Illinois<sup>1</sup></b>													
Civilian labor force .....	6,099.4	6,071.8	6,126.1	6,109.5	6,137.7	6,205.2	6,060.9	6,039.0	6,069.2	6,029.9	6,171.3	6,158.6	6,131.2
Employed .....	5,598.4	5,665.5	5,698.0	5,749.2	5,739.2	5,773.4	5,668.2	5,559.6	5,559.6	5,540.1	5,658.8	5,664.6	5,691.0
Unemployed .....	501.0	406.3	428.1	360.3	398.5	431.8	392.8	479.4	509.6	489.7	512.5	493.9	440.2
Unemployment rate .....	8.2	6.7	7.0	5.9	6.5	7.0	6.5	7.9	8.4	8.1	8.3	8.0	7.2
<b>Indiana</b>													
Civilian labor force .....	2,903.8	2,866.7	2,856.7	2,836.2	2,830.0	2,826.5	2,799.5	2,820.4	2,853.2	2,886.8	2,888.3	2,917.3	2,993.3
Employed .....	2,709.4	2,681.6	2,669.5	2,660.7	2,644.5	2,644.6	2,623.6	2,646.7	2,718.7	2,721.2	2,708.4	2,741.5	2,858.4
Unemployed .....	194.3	185.1	187.1	175.5	185.6	181.9	176.0	171.7	134.5	165.7	179.9	175.7	134.9
Unemployment rate .....	6.7	6.5	6.5	6.2	6.6	6.4	6.3	6.1	4.7	5.7	6.2	6.0	4.5
<b>Iowa</b>													
Civilian labor force .....	1,557.9	1,561.4	1,563.1	1,553.9	1,554.3	1,555.3	1,567.3	1,573.3	1,576.4	1,564.7	1,577.5	1,599.8	1,596.0
Employed .....	1,483.6	1,495.4	1,494.8	1,487.3	1,488.5	1,488.3	1,497.9	1,505.8	1,507.4	1,496.7	1,508.8	1,536.8	1,532.7
Unemployed .....	74.3	66.0	68.4	66.6	65.8	67.0	69.5	67.5	69.0	68.0	68.9	63.0	63.3
Unemployment rate .....	4.8	4.2	4.4	4.3	4.2	4.3	4.4	4.3	4.4	4.3	4.4	3.9	4.0
<b>Kansas</b>													
Civilian labor force .....	1,332.2	1,336.1	1,335.6	1,332.4	1,328.9	1,331.0	1,339.9	1,344.6	1,338.9	1,334.3	1,338.5	1,339.4	1,334.0
Employed .....	1,274.6	1,279.5	1,278.3	1,277.2	1,273.1	1,274.8	1,281.9	1,283.5	1,272.2	1,267.1	1,268.5	1,267.6	1,269.9
Unemployed .....	57.6	56.7	57.2	55.1	55.7	56.2	58.1	61.0	66.6	67.2	70.0	71.8	64.1
Unemployment rate .....	4.3	4.2	4.3	4.1	4.2	4.2	4.3	4.5	5.0	5.0	5.2	5.4	4.8
<b>Kentucky</b>													
Civilian labor force .....	1,744.3	1,760.9	1,753.9	1,756.5	1,751.3	1,757.9	1,789.7	1,789.3	1,766.1	1,766.3	1,779.8	1,771.9	1,760.0
Employed .....	1,821.6	1,629.9	1,632.0	1,630.4	1,638.6	1,644.1	1,659.2	1,672.3	1,652.3	1,650.7	1,646.7	1,655.5	1,665.5
Unemployed .....	122.7	131.0	121.9	126.1	112.7	113.8	110.5	97.0	113.8	115.6	133.1	116.4	114.5
Unemployment rate .....	7.0	7.4	6.9	7.2	6.4	6.5	6.2	5.5	6.4	6.5	7.5	6.6	6.4
<b>Louisiana</b>													
Civilian labor force .....	1,926.8	1,922.2	1,909.5	1,907.6	1,898.9	1,886.3	1,893.7	1,900.9	1,878.4	1,866.7	1,895.4	1,874.0	1,841.3
Employed .....	1,764.3	1,769.8	1,750.9	1,756.8	1,747.8	1,732.4	1,742.2	1,766.2	1,742.6	1,736.6	1,755.8	1,743.8	1,719.4
Unemployed .....	162.5	152.4	156.6	150.9	151.1	153.8	151.5	134.7	135.8	130.1	139.6	130.2	121.9
Unemployment rate .....	8.4	7.9	8.3	7.9	8.0	8.2	8.0	7.1	7.2	7.0	7.4	6.9	6.6
<b>Maine</b>													
Civilian labor force .....	665.3	664.8	664.2	660.6	663.7	659.9	662.0	654.0	657.4	652.1	652.6	652.3	647.7
Employed .....	620.8	618.6	617.6	616.1	618.8	612.3	611.6	600.7	602.9	598.9	600.8	596.4	599.9
Unemployed .....	44.4	46.2	46.6	44.5	46.9	47.6	50.5	53.3	54.5	53.3	51.9	56.0	47.8
Unemployment rate .....	6.7	6.9	7.0	6.7	7.1	7.2	7.6	8.2	8.3	8.2	7.9	8.6	7.4

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>Maryland</b>													
Civilian labor force .....	2,644.8	2,643.1	2,634.5	2,624.5	2,620.4	2,641.4	2,610.8	2,635.4	2,625.9	2,600.2	2,549.5	2,582.7	2,558.7
Employed .....	2,466.5	2,468.1	2,459.6	2,454.0	2,453.1	2,476.7	2,459.1	2,475.1	2,463.7	2,432.2	2,390.8	2,389.0	2,387.0
Unemployed .....	178.3	175.0	174.9	170.5	167.3	164.6	151.8	160.4	162.2	168.1	158.7	173.8	171.7
Unemployment rate .....	6.7	6.6	6.6	6.5	6.4	6.2	5.8	6.1	6.2	6.5	6.2	6.6	6.7
<b>Massachusetts<sup>1</sup></b>													
Civilian labor force .....	3,144.0	3,117.6	3,107.1	3,105.8	3,129.4	3,139.3	3,200.2	3,142.7	3,170.2	3,120.6	3,130.4	3,136.9	3,107.0
Employed .....	2,880.7	2,855.3	2,841.2	2,843.4	2,852.4	2,868.1	2,936.6	2,901.4	2,966.0	2,919.0	2,920.0	2,949.9	2,910.3
Unemployed .....	263.3	262.3	265.9	262.4	277.0	271.2	263.6	241.3	204.2	201.6	210.4	187.0	196.8
Unemployment rate .....	8.4	8.4	8.6	8.4	8.9	8.6	8.2	7.7	6.4	6.5	6.7	6.0	6.3
<b>Michigan<sup>1</sup></b>													
Civilian labor force .....	4,628.8	4,626.7	4,628.7	4,615.5	4,625.8	4,608.5	4,589.7	4,583.5	4,547.9	4,632.3	4,683.4	4,725.3	4,709.2
Employed .....	4,205.5	4,217.2	4,226.3	4,218.3	4,255.9	4,239.1	4,264.1	4,274.1	4,259.3	4,324.1	4,355.8	4,379.6	4,364.3
Unemployed .....	423.3	409.5	402.4	396.2	369.9	369.4	325.6	309.4	288.6	308.2	327.6	345.7	344.9
Unemployment rate .....	9.1	8.9	8.7	8.6	8.0	8.0	7.1	6.6	6.3	6.7	7.0	7.3	7.3
<b>Minnesota</b>													
Civilian labor force .....	2,446.1	2,429.3	2,436.9	2,443.9	2,445.8	2,467.4	2,505.5	2,484.1	2,490.0	2,491.9	2,472.3	2,505.4	2,475.7
Employed .....	2,330.8	2,307.6	2,317.2	2,319.3	2,317.5	2,346.1	2,373.4	2,340.9	2,363.6	2,353.7	2,332.0	2,364.2	2,351.6
Unemployed .....	115.3	121.7	119.7	124.6	128.3	121.3	132.2	143.2	126.4	138.2	140.3	141.3	124.2
Unemployment rate .....	4.7	5.0	4.9	5.1	5.2	4.9	5.3	5.8	5.1	5.5	5.7	5.6	5.0
<b>Mississippi</b>													
Civilian labor force .....	1,192.7	1,195.2	1,197.0	1,189.5	1,187.7	1,179.9	1,170.1	1,174.4	1,191.0	1,190.3	1,198.1	1,199.7	1,185.9
Employed .....	1,090.1	1,092.6	1,099.5	1,096.6	1,103.6	1,098.8	1,098.0	1,099.6	1,108.9	1,102.3	1,110.1	1,125.2	1,121.7
Unemployed .....	102.6	102.6	97.6	92.9	84.1	81.1	72.1	74.8	82.1	88.0	88.0	74.5	64.2
Unemployment rate .....	8.6	8.6	8.2	7.8	7.1	6.9	6.2	6.4	6.9	7.4	7.3	6.2	5.4
<b>Missouri</b>													
Civilian labor force .....	2,698.4	2,686.8	2,680.9	2,686.0	2,683.8	2,660.7	2,653.1	2,621.0	2,613.5	2,608.6	2,649.4	2,652.2	2,684.4
Employed .....	2,538.9	2,532.8	2,525.7	2,541.1	2,548.8	2,515.0	2,498.6	2,460.5	2,437.5	2,430.5	2,484.4	2,471.7	2,522.1
Unemployed .....	159.5	153.9	155.2	144.9	135.0	145.7	154.5	160.5	175.9	178.1	165.0	180.5	162.3
Unemployment rate .....	5.9	5.7	5.8	5.4	5.0	5.5	5.8	6.1	6.7	6.8	6.2	6.8	6.0
<b>Montana</b>													
Civilian labor force .....	410.7	410.6	411.9	413.2	411.5	409.5	406.1	402.9	406.5	401.9	408.1	413.3	417.4
Employed .....	364.3	380.4	383.7	387.1	388.2	383.2	377.1	374.4	379.9	376.1	383.5	388.3	391.9
Unemployed .....	26.4	30.2	28.2	26.1	23.3	26.2	29.0	28.5	26.6	25.8	24.6	25.0	25.4
Unemployment rate .....	6.4	7.4	6.8	6.3	5.7	6.4	7.1	7.1	6.5	6.4	6.0	6.1	6.1
<b>Nebraska</b>													
Civilian labor force .....	861.2	858.7	853.1	852.5	848.3	847.5	848.2	857.3	863.5	868.4	871.1	868.8	869.1
Employed .....	835.3	831.8	828.3	828.4	825.6	823.7	824.3	833.9	837.3	843.7	844.5	842.3	846.0
Unemployed .....	25.9	24.9	24.8	24.1	22.7	23.8	23.9	23.4	26.2	24.7	26.6	26.5	23.1
Unemployment rate .....	3.0	2.9	2.9	2.8	2.7	2.8	2.8	2.7	3.0	2.8	3.1	3.1	2.7
<b>Nevada</b>													
Civilian labor force .....	675.1	677.2	678.4	680.5	683.4	680.3	683.0	679.5	674.5	686.3	692.7	712.2	719.4
Employed .....	627.7	629.2	631.9	635.6	639.3	637.8	635.1	633.5	627.5	639.0	643.9	661.7	671.6
Unemployed .....	47.4	48.0	46.5	44.9	44.1	42.6	48.0	46.0	47.0	47.2	48.8	50.4	47.6
Unemployment rate .....	7.0	7.1	6.9	6.6	6.5	6.3	7.0	6.8	7.0	6.9	7.0	7.1	6.6
<b>New Hampshire</b>													
Civilian labor force .....	623.1	633.4	634.4	639.2	643.9	641.3	644.1	656.7	649.1	640.9	636.9	635.0	630.7
Employed .....	576.5	585.9	586.1	591.6	596.4	595.0	592.3	601.5	584.0	591.4	595.5	594.1	591.6
Unemployed .....	46.6	47.5	48.3	47.4	47.5	46.3	51.8	55.2	65.1	49.5	41.4	40.9	39.0
Unemployment rate .....	7.5	7.5	7.6	7.4	7.4	7.2	8.0	8.4	6.5	7.7	6.5	6.4	6.2

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>a</sup>
<b>New Jersey<sup>1</sup></b>													
Civilian labor force .....	3,989.7	3,947.2	3,981.6	3,974.0	3,998.4	4,008.2	3,929.8	3,914.9	3,921.8	3,934.0	4,001.2	3,994.8	3,912.6
Employed .....	3,607.1	3,583.8	3,624.5	3,649.0	3,650.6	3,676.3	3,640.2	3,608.8	3,596.7	3,575.8	3,706.1	3,710.5	3,641.5
Unemployed .....	382.6	363.4	357.1	325.0	347.8	331.9	289.7	306.2	325.1	358.3	295.1	274.3	271.1
Unemployment rate .....	9.8	9.2	9.0	8.2	8.7	8.3	7.4	7.8	8.3	9.1	7.4	6.9	6.9
<b>New Mexico</b>													
Civilian labor force .....	721.9	722.7	725.8	725.8	727.2	721.5	727.5	734.0	732.3	731.6	737.5	736.1	738.0
Employed .....	672.5	673.0	675.8	677.5	681.0	678.0	680.0	685.0	681.0	680.8	682.8	681.8	684.5
Unemployed .....	49.4	49.7	50.0	48.3	46.2	43.5	47.5	49.0	51.3	50.7	54.6	54.3	53.5
Unemployment rate .....	6.8	6.9	6.9	6.7	6.3	6.0	6.5	6.7	7.0	6.9	7.4	7.4	7.2
<b>New York<sup>1</sup></b>													
Civilian labor force .....	8,546.5	8,539.1	8,510.4	8,470.1	8,531.0	8,583.9	8,607.4	8,834.6	8,614.3	8,558.5	8,571.1	8,490.8	8,510.7
Employed .....	7,748.7	7,811.2	7,761.4	7,733.3	7,830.8	7,858.2	7,876.8	7,946.3	7,985.3	7,960.2	7,926.1	7,825.1	7,870.8
Unemployed .....	797.8	727.9	749.0	736.8	700.2	725.7	730.8	888.4	628.9	598.4	644.9	665.7	639.8
Unemployment rate .....	9.3	8.5	8.8	8.7	8.2	8.5	8.5	8.0	7.3	7.0	7.5	7.8	7.5
<b>North Carolina<sup>1</sup></b>													
Civilian labor force .....	3,506.3	3,503.2	3,500.1	3,510.2	3,529.9	3,521.4	3,524.0	3,504.4	3,506.0	3,503.5	3,527.4	3,503.7	3,478.3
Employed .....	3,290.9	3,288.5	3,293.4	3,313.0	3,322.8	3,324.5	3,332.1	3,321.3	3,319.3	3,310.9	3,348.9	3,314.8	3,318.5
Unemployed .....	215.4	214.7	206.7	197.2	207.1	196.9	191.9	183.1	186.7	192.7	178.5	189.0	157.8
Unemployment rate .....	6.1	6.1	5.9	5.6	5.9	5.6	5.4	5.2	5.3	5.5	5.1	5.4	4.5
<b>North Dakota</b>													
Civilian labor force .....	311.1	309.8	313.6	312.2	313.8	313.6	313.4	314.3	313.8	319.2	322.2	314.6	313.5
Employed .....	295.6	294.8	298.6	297.4	299.4	299.2	299.8	300.1	298.7	303.5	305.9	299.5	300.2
Unemployed .....	15.4	15.1	14.9	14.8	14.4	14.4	13.8	14.2	15.1	15.7	16.4	15.1	13.3
Unemployment rate .....	5.0	4.9	4.8	4.7	4.6	4.6	4.4	4.5	4.8	4.9	5.1	4.8	4.3
<b>Ohio<sup>1</sup></b>													
Civilian labor force .....	5,550.6	5,548.9	5,522.7	5,457.3	5,420.2	5,438.6	5,507.6	5,494.8	5,482.7	5,463.3	5,446.9	5,459.2	5,502.8
Employed .....	5,142.0	5,133.7	5,126.6	5,057.3	5,014.8	5,043.4	5,121.8	5,126.2	5,125.6	5,108.2	5,114.1	5,140.8	5,123.9
Unemployed .....	408.6	415.2	396.1	400.0	405.4	395.2	385.9	368.6	357.1	355.0	332.9	318.6	378.9
Unemployment rate .....	7.4	7.5	7.2	7.3	7.5	7.3	7.0	6.7	6.5	6.5	6.1	5.8	6.9
<b>Oklahoma</b>													
Civilian labor force .....	1,530.7	1,527.2	1,532.2	1,532.9	1,540.0	1,540.6	1,536.1	1,531.0	1,522.4	1,500.3	1,497.2	1,521.1	1,519.0
Employed .....	1,443.8	1,437.8	1,445.2	1,453.9	1,461.7	1,458.2	1,450.8	1,451.4	1,430.8	1,400.8	1,407.2	1,426.7	1,423.5
Unemployed .....	86.9	89.4	86.9	79.0	78.2	82.4	85.3	79.7	91.6	99.5	90.0	94.4	95.5
Unemployment rate .....	5.7	5.9	5.7	5.2	5.1	5.4	5.6	5.2	6.0	6.6	6.0	6.2	6.3
<b>Oregon</b>													
Civilian labor force .....	1,539.2	1,543.4	1,549.6	1,540.9	1,544.0	1,536.5	1,546.9	1,566.1	1,581.3	1,555.7	1,531.0	1,569.6	1,561.0
Employed .....	1,420.4	1,426.5	1,431.9	1,426.4	1,431.4	1,424.3	1,434.8	1,451.6	1,469.8	1,438.0	1,418.0	1,457.0	1,439.4
Unemployed .....	118.7	116.9	117.7	114.5	112.6	112.1	112.1	114.5	111.7	117.7	113.1	112.6	121.5
Unemployment rate .....	7.7	7.6	7.6	7.4	7.3	7.3	7.2	7.3	7.1	7.6	7.4	7.2	7.8
<b>Pennsylvania<sup>1</sup></b>													
Civilian labor force .....	5,976.8	6,039.7	6,029.3	6,048.2	6,057.4	6,030.6	6,023.6	6,008.1	5,974.7	5,947.6	6,012.5	5,976.6	6,029.4
Employed .....	5,522.7	5,562.4	5,573.9	5,595.9	5,616.2	5,588.4	5,570.3	5,585.6	5,564.1	5,553.1	5,587.7	5,563.9	5,591.9
Unemployed .....	454.1	477.3	455.4	452.3	441.2	442.2	453.3	422.5	410.6	394.4	424.8	412.9	437.5
Unemployment rate .....	7.6	7.9	7.6	7.5	7.3	7.3	7.5	7.0	6.9	6.6	7.1	6.9	7.3
<b>Rhode Island</b>													
Civilian labor force .....	532.9	531.3	526.6	525.0	526.6	523.4	532.4	526.3	522.9	521.8	523.6	523.1	520.1
Employed .....	483.3	483.2	481.0	481.1	482.8	481.7	489.7	485.8	480.5	477.9	481.3	480.7	485.6
Unemployed .....	49.7	48.1	45.6	43.8	43.8	41.7	42.7	40.5	42.5	43.9	42.3	42.4	34.5
Unemployment rate .....	9.3	9.1	8.7	8.3	8.3	8.0	8.0	7.7	8.1	8.4	8.1	8.1	6.6

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						
	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July <sup>P</sup>
<b>South Carolina</b>													
Civilian labor force .....	1,784.9	1,785.4	1,775.4	1,776.9	1,780.7	1,790.7	1,784.6	1,777.0	1,761.0	1,763.0	1,799.6	1,792.4	1,797.1
Employed .....	1,671.8	1,677.8	1,667.6	1,670.0	1,675.1	1,688.0	1,672.6	1,672.9	1,652.2	1,639.4	1,671.1	1,666.5	1,667.5
Unemployed .....	113.2	107.6	107.8	106.9	105.6	102.8	112.0	104.1	108.8	123.6	128.5	125.9	129.6
Unemployment rate .....	6.3	6.0	6.1	6.0	5.9	5.7	6.3	5.9	6.2	7.0	7.1	7.0	7.2
<b>South Dakota</b>													
Civilian labor force .....	358.8	359.8	359.4	360.6	365.7	384.5	366.0	365.4	365.9	364.1	362.9	366.9	369.5
Employed .....	348.3	349.7	349.0	350.1	355.1	353.2	352.0	351.3	353.3	352.0	351.4	356.2	359.7
Unemployed .....	10.4	10.0	10.4	10.5	10.6	11.3	14.0	14.1	12.6	12.1	11.5	10.7	9.8
Unemployment rate .....	2.9	2.8	2.9	2.9	2.9	3.1	3.8	3.9	3.4	3.3	3.2	2.9	2.7
<b>Tennessee</b>													
Civilian labor force .....	2,446.3	2,447.2	2,449.3	2,464.6	2,463.9	2,472.8	2,455.3	2,469.8	2,454.3	2,431.1	2,460.8	2,452.7	2,476.3
Employed .....	2,289.9	2,289.3	2,293.7	2,323.1	2,316.7	2,323.5	2,292.5	2,323.1	2,302.8	2,266.4	2,311.2	2,306.1	2,337.5
Unemployed .....	156.4	158.0	155.7	141.5	147.2	149.3	162.8	146.7	151.5	164.7	149.6	146.6	138.8
Unemployment rate .....	6.4	6.5	6.4	5.7	6.0	6.0	6.6	5.9	6.2	6.8	6.1	6.0	5.6
<b>Texas<sup>1</sup></b>													
Civilian labor force .....	8,732.4	8,736.1	8,753.4	8,756.2	8,747.0	8,798.4	8,762.5	8,716.2	8,712.9	8,718.3	8,756.4	8,768.2	8,848.3
Employed .....	8,095.6	8,108.3	8,082.6	8,099.0	8,061.5	8,124.3	8,080.5	8,060.3	8,124.1	8,133.3	8,186.7	8,151.0	8,215.0
Unemployed .....	636.8	627.8	670.8	657.2	685.5	674.1	682.0	655.8	588.9	583.0	569.7	617.2	633.4
Unemployment rate .....	7.3	7.2	7.7	7.5	7.6	7.7	7.8	7.5	6.8	6.7	6.5	7.0	7.2
<b>Utah</b>													
Civilian labor force .....	809.5	807.2	809.1	812.1	813.9	814.9	822.5	827.5	831.1	829.1	840.3	849.5	852.4
Employed .....	771.5	785.9	767.7	789.4	770.9	771.4	783.1	795.4	801.3	798.0	805.9	810.5	819.5
Unemployed .....	38.1	41.3	41.4	42.7	43.0	43.5	39.4	32.1	29.8	31.1	34.4	36.9	32.9
Unemployment rate .....	4.7	5.1	5.1	5.3	5.3	5.3	4.8	3.9	3.6	3.7	4.1	4.6	3.9
<b>Vermont</b>													
Civilian labor force .....	321.9	324.1	322.5	321.8	329.1	325.0	322.3	327.2	322.9	326.5	332.7	334.1	323.0
Employed .....	300.3	302.8	301.3	301.7	308.5	305.4	302.2	306.0	300.5	305.8	311.6	315.3	305.6
Unemployed .....	21.5	21.3	21.2	20.2	20.7	19.5	20.2	21.2	22.3	22.7	21.0	18.8	17.4
Unemployment rate .....	8.7	6.6	6.6	6.3	6.3	6.0	6.3	6.5	6.9	6.9	6.3	5.6	5.4
<b>Virginia</b>													
Civilian labor force .....	3,357.9	3,342.8	3,333.4	3,330.7	3,331.9	3,330.8	3,348.4	3,369.3	3,399.2	3,423.6	3,414.2	3,358.6	3,348.9
Employed .....	3,143.2	3,128.1	3,121.2	3,128.1	3,128.7	3,133.0	3,153.4	3,206.1	3,234.4	3,251.8	3,239.1	3,184.8	3,156.9
Unemployed .....	214.7	214.7	212.2	204.6	203.2	197.8	195.0	163.2	164.7	172.0	175.1	173.8	190.0
Unemployment rate .....	6.4	6.4	6.4	6.1	6.1	5.9	5.6	4.8	4.8	5.0	5.1	5.2	5.7
<b>Washington</b>													
Civilian labor force .....	2,639.9	2,607.8	2,608.6	2,603.1	2,624.8	2,577.7	2,620.4	2,647.1	2,627.6	2,629.6	2,612.6	2,618.3	2,608.0
Employed .....	2,445.6	2,412.1	2,411.1	2,397.9	2,413.5	2,378.3	2,411.0	2,440.8	2,429.8	2,430.8	2,414.0	2,415.8	2,384.9
Unemployed .....	194.3	195.6	197.5	205.2	211.3	201.4	209.4	206.3	197.8	198.8	198.6	202.6	223.1
Unemployment rate .....	7.4	7.5	7.6	7.9	8.1	7.8	8.0	7.8	7.5	7.6	7.6	7.7	8.6
<b>West Virginia</b>													
Civilian labor force .....	767.8	758.9	760.3	759.5	760.0	762.3	771.8	777.3	773.2	778.9	771.8	776.0	765.9
Employed .....	661.0	675.8	675.9	676.4	680.7	682.1	689.5	694.3	686.5	685.8	680.4	676.8	669.5
Unemployed .....	86.8	83.1	84.4	83.1	79.3	80.2	82.3	83.1	86.7	93.1	91.5	99.1	76.4
Unemployment rate .....	11.3	11.0	11.1	10.9	10.4	10.5	10.7	10.7	11.2	12.0	11.8	12.8	10.0
<b>Wisconsin</b>													
Civilian labor force .....	2,674.0	2,675.8	2,673.4	2,654.8	2,678.2	2,690.6	2,718.6	2,717.2	2,723.3	2,716.9	2,699.5	2,689.3	2,695.0
Employed .....	2,525.8	2,532.8	2,523.8	2,521.0	2,562.9	2,566.4	2,595.5	2,589.1	2,607.9	2,588.2	2,554.9	2,553.3	2,566.5
Unemployed .....	148.2	143.1	149.6	133.8	115.3	124.2	123.1	128.1	115.4	126.7	144.6	136.0	128.5
Unemployment rate .....	5.5	5.3	5.6	5.0	4.3	4.6	4.5	4.7	4.2	4.7	5.4	5.1	4.8
<b>Wyoming</b>													
Civilian labor force .....	241.1	239.5	240.5	239.9	239.2	238.1	237.8	236.9	238.4	236.0	236.1	238.2	240.2
Employed .....	226.6	226.0	227.4	227.6	227.6	226.6	226.0	224.9	226.1	223.1	223.2	223.6	224.9
Unemployed .....	14.5	13.5	13.1	12.3	11.6	11.5	11.7	12.0	12.3	12.9	12.8	14.6	15.3
Unemployment rate .....	6.0	5.6	5.4	5.1	4.9	4.8	4.9	5.1	5.2	5.5	5.4	6.1	6.4

<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. State estimates, except those referenced in footnote 1, have been revised to incorporate new benchmark information and updated seasonal adjustment factors.

**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		
	July 1992	June 1993	July 1993 <sup>a</sup>	July 1992	June 1993	July 1993 <sup>a</sup>	July 1992	June 1993	July 1993 <sup>a</sup>
<b>Alabama</b> .....	1,966.4	1,988.5	1,971.1	160.5	163.5	159.0	8.2	8.2	8.1
Birmingham .....	454.2	457.5	454.6	30.5	29.9	27.8	6.7	6.5	6.1
Huntsville .....	137.7	139.2	140.2	8.8	8.8	9.5	6.2	6.3	6.8
Mobile .....	230.7	234.4	231.0	20.2	21.4	19.5	8.7	9.1	8.5
Montgomery .....	142.6	144.6	143.6	9.9	10.0	9.5	7.0	6.9	6.8
Tuscaloosa .....	72.4	75.1	74.6	4.9	5.1	4.6	8.8	6.8	8.2
<b>Alaska</b> .....	275.3	279.0	281.1	21.4	21.4	18.0	7.8	7.7	6.4
Anchorage .....	120.1	123.8	124.0	8.3	7.8	6.8	6.9	6.3	5.5
<b>Arizona</b> .....	1,733.0	1,736.6	1,726.4	131.0	112.1	100.2	7.6	6.5	5.8
Phoenix .....	1,059.4	1,061.1	1,060.0	65.0	54.8	48.3	6.1	5.2	4.6
Tucson .....	318.3	321.3	319.5	16.3	13.9	12.5	5.1	4.3	3.9
<b>Arkansas</b> .....	1,166.4	1,180.3	1,184.8	85.8	72.9	67.4	7.4	6.2	5.7
Fayetteville-Springdale .....	66.4	69.7	69.8	2.6	2.2	1.9	3.9	3.2	2.7
Fort Smith .....	94.4	95.0	95.2	6.5	5.8	5.4	8.9	6.1	5.7
Little Rock-North Little Rock .....	276.6	280.5	280.9	17.5	14.3	13.0	6.3	5.1	4.6
Pine Bluff .....	37.4	37.2	36.8	4.3	3.5	3.2	11.6	9.4	8.7
<b>California<sup>1</sup></b> .....	15,455.6	15,313.9	15,591.1	1,433.0	1,446.4	1,543.9	9.3	9.4	9.9
Anaheim-Santa Ana .....	1,385.8	1,373.6	1,402.4	84.5	91.4	103.6	6.1	6.7	7.4
Bakersfield .....	270.2	285.1	288.5	35.2	42.2	42.4	13.0	14.8	14.7
Fresno .....	356.8	372.2	383.5	42.1	51.0	53.3	11.8	13.7	13.9
Los Angeles-Long Beach <sup>1</sup> .....	4,609.0	4,503.0	4,548.0	518.0	431.0	431.0	11.2	9.6	9.5
Modesto .....	188.7	186.4	193.9	25.4	34.1	31.9	13.4	18.3	16.4
Oakland .....	1,133.4	1,120.8	1,140.4	73.9	79.3	88.2	6.5	7.1	7.7
Oxnard-Ventura .....	394.8	387.9	398.1	34.6	33.9	41.2	8.8	8.7	10.4
Riverside-San Bernardino .....	1,155.4	1,150.3	1,172.4	131.1	137.4	159.4	11.3	11.9	13.6
Sacramento .....	799.7	792.2	812.0	58.7	65.1	70.6	7.3	8.2	8.7
Salinas-Seaside-Monterey .....	173.6	174.6	181.1	15.1	18.3	19.4	8.7	10.5	10.7
San Diego .....	1,215.8	1,203.5	1,224.9	89.7	101.1	112.4	7.4	8.4	9.2
San Francisco .....	897.0	883.6	903.5	55.4	59.2	65.7	6.2	6.7	7.3
San Jose .....	834.9	820.2	842.8	54.8	60.5	66.3	6.6	7.4	7.9
Santa Barbara-Santa Maria-Lompoc .....	187.3	185.1	186.1	13.6	14.8	16.0	7.2	8.0	8.6
Santa Rosa-Petaluma .....	222.0	221.0	221.3	15.2	15.4	16.4	6.8	7.0	7.4
Stockton .....	219.1	222.5	226.6	27.1	34.6	33.1	12.4	15.5	14.6
Vallejo-Fairfield-Napa .....	219.9	216.8	221.8	16.6	19.5	21.5	7.5	9.0	9.7
<b>Colorado</b> .....	1,786.7	1,815.0	1,826.2	111.1	108.6	94.8	6.2	6.0	5.2
Boulder-Longmont .....	145.0	148.3	149.9	6.8	6.2	6.0	4.7	4.2	4.0
Denver .....	900.2	921.4	928.1	54.9	53.9	48.1	6.1	5.8	5.2
<b>Connecticut</b> .....	1,811.4	1,816.3	1,841.3	139.0	124.2	122.6	7.7	8.8	6.7
Bridgeport-Milford .....	232.0	232.7	236.6	20.8	17.8	17.7	9.0	7.7	7.5
Hartford .....	430.9	431.5	430.7	31.7	30.5	29.6	7.4	7.1	8.9
New Britain .....	76.7	77.5	77.5	7.5	8.7	6.7	9.8	8.6	8.6
New Haven-Meriden .....	288.0	285.1	289.8	21.9	19.7	19.6	7.6	6.9	6.8
Stamford .....	119.1	118.1	120.9	6.4	5.2	5.1	5.3	4.4	4.2
Waterbury .....	108.0	109.1	110.8	12.0	9.6	9.8	11.1	8.8	8.8
<b>Delaware</b> .....	376.3	385.2	383.9	22.6	17.2	19.3	6.0	4.5	5.0
Wilmington .....	316.7	318.7	318.4	21.4	15.6	17.8	6.8	4.9	5.8
<b>District of Columbia</b> .....	282.9	275.7	278.8	24.6	24.8	22.4	8.7	9.0	8.0
Washington .....	2,335.2	2,277.5	2,297.5	117.3	110.3	107.5	5.0	4.8	4.7
<b>Florida<sup>1</sup></b> .....	6,735.1	6,853.5	6,809.8	602.0	524.2	516.3	8.9	7.6	7.6
Daytona Beach .....	169.3	174.2	173.9	14.0	13.1	12.4	8.3	7.5	7.1
Fort Lauderdale-Hollywood-Pompano Beach .....	704.2	728.9	723.3	61.5	53.8	51.4	8.7	7.4	7.1
Fort Myers-Cape Coral .....	157.3	164.1	161.6	13.5	11.1	10.6	8.6	6.8	6.6
Gainesville .....	113.8	117.4	119.1	5.9	5.7	5.4	5.2	4.9	4.5
Jacksonville .....	488.2	488.7	488.3	36.1	32.6	31.1	7.4	6.7	6.4
Lakeland-Winter Haven .....	187.7	187.7	186.2	26.0	21.5	22.1	13.8	11.4	11.9
Melbourne-Titusville-Palm Bay .....	210.6	207.5	207.5	17.5	17.7	17.1	8.3	8.5	8.2
Miami-Hialeah .....	1,005.0	1,009.1	1,007.6	105.3	84.4	82.1	10.5	8.4	8.1
Orlando .....	693.4	711.1	704.8	52.6	45.4	42.9	7.6	6.4	6.1
Pensacola .....	160.1	162.8	162.6	9.9	9.5	9.2	6.2	5.8	5.6
Sarasota .....	131.8	134.1	133.9	8.7	7.9	7.3	6.6	5.9	5.5
Tallahassee .....	145.4	149.2	149.6	7.0	6.7	6.3	4.8	4.5	4.2
Tampa-St. Petersburg-Clearwater .....	1,065.3	1,085.2	1,073.7	81.4	77.3	75.0	7.6	7.1	7.0
West Palm Beach-Boca Raton-Delray Beach .....	449.6	453.1	446.0	52.8	42.6	43.8	11.7	9.4	9.8

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Georgia</b> .....	3,272.8	3,279.9	3,304.3	259.6	183.2	176.8	7.9	5.6	5.3
Albany .....	55.0	54.6	54.7	5.6	3.8	3.8	10.2	7.0	8.6
Athens .....	75.4	78.0	75.9	4.7	3.2	2.8	8.3	4.1	3.7
Atlanta .....	1,549.2	1,583.0	1,597.5	115.3	81.8	76.6	7.4	5.2	4.9
Augusta .....	204.8	201.3	201.8	15.1	12.6	12.2	7.4	6.3	6.1
Columbus .....	101.5	101.5	102.3	8.3	6.9	6.8	8.1	6.8	6.7
Macon-Warner Robins .....	132.2	131.3	131.2	9.2	7.0	8.7	7.0	5.3	5.1
Savannah .....	120.1	122.2	122.9	9.3	6.8	6.5	7.8	5.5	5.3
<b>Hawaii</b> .....	578.4	581.8	582.7	29.9	29.6	28.6	5.2	5.1	4.9
Honolulu .....	409.0	414.4	411.7	16.1	15.6	14.9	3.9	3.8	3.6
<b>Idaho</b> .....	533.1	535.0	539.0	29.2	32.4	29.1	5.5	6.1	5.4
Boise City .....	126.4	129.8	130.3	4.4	5.2	4.4	3.5	4.0	3.4
<b>Illinois</b> <sup>1</sup> .....	8,208.2	8,257.6	8,244.9	498.0	526.0	433.0	8.0	8.4	6.9
Aurora-Elgin .....	204.2	206.7	204.1	16.6	17.3	13.7	8.2	8.4	6.7
Bloomington-Normal .....	79.9	80.5	80.6	4.2	4.2	3.4	5.2	5.2	4.2
Champaign-Urbana-Rantoul .....	94.6	92.7	93.8	5.1	8.3	5.5	5.4	6.8	5.9
Chicago .....	3,300.0	3,338.2	3,325.9	261.0	277.1	225.9	7.9	8.3	6.8
Davenport-Rock Island-Moline .....	190.8	191.2	190.8	13.0	12.8	10.7	6.8	6.7	5.6
Decatur .....	64.8	65.3	64.7	6.7	6.8	5.4	10.3	10.5	8.4
Joliet .....	237.9	236.9	238.1	20.1	20.8	16.6	8.4	8.8	7.0
Kankakee .....	54.4	52.7	52.4	4.8	4.8	3.9	8.9	9.2	7.5
Lake County .....	337.5	343.1	341.7	16.4	18.0	14.6	4.9	5.2	4.3
Peoria .....	176.1	175.7	175.5	13.8	13.9	11.4	7.8	7.9	6.5
Rockford .....	163.6	166.2	165.0	15.6	18.9	15.6	9.5	11.4	9.4
Springfield .....	122.3	122.5	123.2	6.9	7.0	6.0	5.6	5.7	4.9
<b>Indiana</b> .....	2,935.1	2,981.7	3,033.5	182.3	170.3	123.3	6.2	5.7	4.1
Anderson .....	59.5	58.1	60.1	5.0	4.0	3.7	8.5	7.0	6.1
Bloomington .....	61.2	63.2	65.3	2.6	2.6	1.8	4.2	4.1	2.8
Elkhart-Goshen .....	94.1	98.4	98.7	5.6	8.0	3.2	8.0	6.1	3.2
Evansville .....	149.2	151.9	154.3	8.9	8.5	6.2	6.0	5.6	4.0
Fort Wayne .....	206.2	211.8	212.4	12.1	14.6	8.0	5.9	6.9	3.8
Gary-Hammond .....	268.9	267.9	269.3	20.1	20.2	13.7	7.5	7.5	5.1
Indianapolis .....	710.3	719.7	739.1	35.3	31.7	22.6	5.0	4.4	3.1
Kokomo .....	48.5	49.1	51.7	2.9	2.9	3.9	6.1	5.9	7.5
Lafayette-West Lafayette .....	67.3	69.8	71.9	2.5	2.7	1.8	3.8	3.8	2.5
Muncie .....	61.4	62.5	63.6	4.0	3.6	2.9	6.5	5.8	4.5
South Bend-Mishawaka .....	130.5	131.6	133.8	8.1	7.2	4.9	6.2	5.4	3.7
Terre Haute .....	64.3	64.4	64.3	3.8	4.2	3.0	5.8	6.5	4.6
<b>Iowa</b> .....	1,577.4	1,613.9	1,616.4	70.5	65.8	59.7	4.5	4.1	3.7
Cedar Rapids .....	99.3	100.2	99.2	4.3	4.2	3.1	4.4	4.2	3.1
Des Moines .....	252.4	258.3	257.1	9.6	9.4	11.9	3.8	3.7	4.6
Dubuque .....	47.0	47.7	47.2	2.0	2.2	1.6	4.3	4.5	3.5
Iowa City .....	63.9	65.5	66.4	1.6	1.2	1.2	2.5	1.9	1.7
Sioux City .....	64.8	65.6	65.6	2.6	2.3	1.7	4.0	3.5	2.6
Waterloo-Cedar Falls .....	76.2	77.1	77.3	5.0	4.1	3.3	6.8	5.3	4.3
<b>Kansas</b> .....	1,358.7	1,378.4	1,359.7	55.9	77.8	63.2	4.1	5.6	4.6
Lawrence .....	45.7	46.8	46.1	1.6	2.3	1.7	3.5	4.8	3.7
Topeka .....	96.6	99.0	98.8	4.1	5.2	4.8	4.2	5.2	4.9
Wichita .....	271.7	271.6	269.1	12.0	18.3	15.0	4.4	6.7	5.6
<b>Kentucky</b> .....	1,774.9	1,811.8	1,809.8	121.0	122.7	113.9	6.8	6.8	6.3
Lexington-Fayette .....	197.8	205.6	206.2	6.7	10.0	6.6	4.4	4.9	4.2
Louisville .....	524.6	536.6	543.8	29.8	27.6	26.2	5.7	5.1	4.8
Owensboro .....	45.1	45.8	45.8	3.4	3.2	3.2	7.5	7.0	6.9
<b>Louisiana</b> .....	1,988.1	1,919.2	1,901.0	161.6	150.4	141.1	9.1	7.8	7.4
Alexandria .....	60.3	57.9	58.0	5.1	3.7	4.2	8.5	6.4	7.2
Baton Rouge .....	291.5	282.3	281.3	20.9	20.0	19.4	7.2	7.1	6.9
Houma-Thibodaux .....	72.0	69.2	69.0	7.6	5.2	4.8	10.6	7.6	7.0
Lafayette .....	111.2	105.2	105.1	8.9	6.3	5.9	8.0	6.0	5.6
Lake Charles .....	87.3	83.0	82.3	8.9	6.7	6.1	10.2	8.1	7.4
Monroe .....	72.4	68.8	68.4	5.9	5.1	4.5	8.2	7.4	6.5
New Orleans .....	593.1	569.2	564.7	47.4	42.8	40.2	8.0	7.5	7.1
Shreveport .....	162.1	159.0	157.7	13.0	10.7	10.2	8.0	6.8	6.5
<b>Maine</b> .....	667.8	668.0	668.7	40.5	53.8	43.6	5.9	8.1	6.5
Lewiston-Auburn .....	43.9	44.5	43.8	4.1	4.7	4.0	9.3	10.5	9.1
Portland .....	140.6	137.0	138.6	5.7	8.0	6.2	4.1	5.8	4.5

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Maryland</b> .....	2,731.1	2,595.0	2,636.9	181.2	175.9	175.0	6.8	6.8	6.6
Baltimore .....	1,285.2	1,214.6	1,237.1	96.8	96.9	96.8	7.5	8.0	7.8
<b>Massachusetts</b> <sup>1</sup> .....	3,201.8	3,195.9	3,162.6	278.4	203.9	208.2	8.7	6.4	6.6
Boston .....	1,564.3	1,560.6	1,547.8	122.5	88.3	89.3	7.6	5.7	5.8
Brockton .....	97.4	96.4	95.2	10.7	7.8	7.7	11.0	7.9	8.1
Fall River .....	77.7	76.5	75.8	10.2	7.5	8.3	13.1	9.6	10.9
Fitchburg-Leominster .....	47.0	47.7	46.3	5.0	3.6	3.8	10.7	7.8	8.1
Lawrence-Haverhill .....	194.3	195.1	192.8	19.7	16.6	15.9	10.1	8.5	8.2
Lowell .....	152.2	147.7	145.0	15.8	11.4	11.2	10.4	7.7	7.6
New Bedford .....	87.3	86.0	86.4	10.4	7.5	8.6	11.9	8.7	10.2
Pittsfield .....	41.5	42.2	42.1	3.9	2.8	2.6	9.3	6.6	6.8
Springfield .....	255.9	255.0	251.2	23.2	19.4	19.4	9.1	7.6	7.7
Worcester .....	224.4	225.2	221.5	20.0	14.4	14.4	8.9	6.4	6.5
<b>Michigan</b> <sup>1</sup> .....	4,701.4	4,776.1	4,789.5	448.0	353.5	373.2	9.5	7.4	7.6
Ann Arbor .....	182.4	185.7	185.0	8.8	6.7	7.4	5.4	4.0	4.5
Battle Creek .....	85.3	87.3	87.0	5.1	4.7	4.9	7.8	6.9	7.3
Benton Harbor .....	80.7	80.9	81.5	7.2	6.3	6.4	8.9	7.6	7.9
Detroit .....	2,182.5	2,221.6	2,227.4	226.2	170.7	184.1	10.4	7.7	8.3
Flint .....	184.9	187.1	187.0	24.3	18.6	20.8	13.1	10.1	11.1
Grand Rapids .....	394.4	405.5	403.9	30.1	22.6	23.9	7.6	5.6	5.9
Jackson .....	66.7	68.0	68.0	7.1	5.8	5.9	10.7	8.5	8.8
Kalamazoo .....	120.7	123.6	123.2	7.1	5.7	5.6	5.9	4.6	4.7
Lansing-East Lansing .....	237.6	242.1	241.6	14.2	12.2	12.9	6.0	5.0	5.3
Muskegon .....	69.4	69.0	68.7	8.6	7.3	7.0	12.4	10.5	10.2
Saginaw-Bay City-Midland .....	193.4	195.6	196.4	16.7	13.9	14.6	8.6	7.1	7.4
<b>Minnesota</b> .....	2,476.4	2,532.8	2,514.0	102.1	139.4	108.6	4.1	5.5	4.3
Duluth .....	120.2	117.5	116.9	7.1	9.3	8.9	5.9	7.9	5.9
Minneapolis-St. Paul .....	1,453.3	1,473.7	1,477.0	55.5	73.9	58.9	3.8	5.0	4.0
Rochester .....	68.7	68.0	68.8	1.8	2.5	1.9	2.6	3.7	2.8
St. Cloud .....	106.7	110.4	109.6	4.2	6.3	4.8	4.0	5.7	4.4
<b>Mississippi</b> .....	1,222.7	1,231.8	1,217.9	115.6	98.8	77.0	9.5	8.0	6.3
Jackson .....	206.5	210.3	208.2	14.0	12.9	10.6	6.7	6.1	5.1
<b>Missouri</b> .....	2,719.8	2,672.4	2,706.3	161.3	186.1	166.5	5.9	7.0	6.2
Kansas City .....	891.5	882.9	890.8	45.2	53.0	45.9	5.1	6.0	5.2
St. Louis LMA .....	1,285.7	1,260.5	1,271.4	81.0	91.8	90.1	6.3	7.3	8.3
Springfield .....	138.1	136.3	137.1	6.6	8.2	6.6	4.8	6.0	4.6
<b>Montana</b> .....	416.1	416.0	423.7	23.5	24.7	22.8	5.7	5.9	5.4
<b>Nebraska</b> .....	878.0	880.5	886.9	26.7	28.2	24.0	3.0	3.2	2.7
Lincoln .....	135.4	136.0	136.9	3.6	3.6	3.1	2.7	2.7	2.2
Omaha .....	353.0	353.0	357.0	12.4	13.0	11.2	3.5	3.7	3.1
<b>Nevada</b> .....	676.5	715.1	722.3	47.9	52.8	48.7	7.1	7.4	6.7
Las Vegas .....	421.9	451.1	454.5	31.6	34.3	32.0	7.5	7.6	7.0
Reno .....	142.8	148.6	150.7	9.0	9.7	8.7	8.3	6.5	5.8
<b>New Hampshire</b> .....	633.1	637.3	639.2	47.2	41.6	38.4	7.4	6.5	6.0
Manchester .....	84.8	85.5	85.5	6.6	5.7	4.6	7.8	8.8	5.4
Nashua .....	98.0	102.2	100.3	8.3	8.5	6.8	8.5	8.3	6.6
Portsmouth-Dover-Rochester .....	139.6	138.5	142.1	8.0	6.5	6.1	5.8	4.7	4.3
<b>New Jersey</b> <sup>1</sup> .....	4,056.9	4,034.6	3,991.7	400.2	284.0	290.0	9.9	7.0	7.3
Atlantic City .....	199.3	197.1	199.5	20.1	15.3	14.9	10.1	7.7	7.5
Bergen-Passaic .....	679.6	679.3	665.4	67.7	48.5	49.0	10.0	7.1	7.4
Jersey City .....	270.8	262.2	260.4	38.2	26.6	26.8	14.1	10.1	10.3
Middlesex-Somerset-Hunterdon .....	596.4	594.4	589.5	49.9	34.4	36.8	8.4	5.6	6.2
Monmouth-Ocean .....	505.8	503.6	502.4	45.7	30.7	32.2	9.0	6.1	6.4
Newark .....	934.1	926.1	916.2	97.1	70.7	71.7	10.4	7.8	7.8
Trenton .....	174.8	174.0	170.3	13.5	9.5	9.8	7.7	5.5	5.7
Vineland-Millville-Bridgeton .....	63.4	61.3	60.4	9.5	6.7	6.6	15.0	10.9	11.2
<b>New Mexico</b> .....	731.3	749.0	747.5	51.0	64.2	55.3	7.0	8.6	7.4
Albuquerque .....	272.7	278.4	279.5	13.6	17.3	14.3	5.0	6.2	5.1
Las Cruces .....	60.9	63.9	61.3	4.6	6.8	6.5	7.8	10.8	10.6
Santa Fe .....	76.9	76.1	76.6	2.8	3.4	3.1	3.7	4.3	4.0

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>New York<sup>1</sup></b> .....	8,693.6	8,637.2	8,641.0	798.3	668.6	643.7	9.2	7.7	7.4
Albany-Schenectady-Troy .....	443.8	448.3	442.5	27.7	23.1	20.5	6.2	5.2	4.6
Binghamton .....	120.9	123.6	120.6	8.1	8.9	7.5	6.7	7.2	6.2
Buffalo .....	468.5	471.3	469.1	36.8	32.3	32.7	7.9	6.9	7.0
Elmira .....	43.5	43.8	42.7	3.0	2.7	2.2	6.8	6.1	5.2
Glens Falls .....	58.9	57.6	58.2	4.7	4.1	3.5	7.9	7.1	5.9
Nassau-Suffolk .....	1,372.4	1,384.7	1,352.8	109.7	94.1	82.8	8.0	6.8	6.1
New York .....	4,029.9	3,941.2	4,010.3	450.2	349.1	355.6	11.2	8.9	8.9
New York City <sup>1</sup> .....	3,367.0	3,282.0	3,357.0	407.0	310.0	320.0	12.1	9.4	9.5
Orange County .....	141.5	145.0	142.4	10.7	11.1	9.3	7.6	7.6	6.5
Poughkeepsie .....	120.2	119.3	115.5	8.4	13.3	10.8	7.0	11.2	9.4
Rochester .....	516.4	526.4	524.2	29.7	27.3	29.4	5.7	5.2	5.6
Syracuse .....	326.3	328.7	323.7	23.0	22.2	18.8	7.0	6.7	5.8
Utica-Rome .....	139.8	140.7	139.9	10.6	9.2	8.1	7.6	6.6	5.8
<b>North Carolina<sup>1</sup></b> .....	3,593.2	3,557.6	3,560.6	229.5	205.4	173.5	6.4	5.8	4.9
Asheville .....	99.7	99.7	100.7	5.0	4.8	3.9	5.1	4.8	3.9
Charlotte-Gastonia-Rock Hill .....	671.7	672.2	672.7	40.4	37.0	31.5	6.0	5.5	4.7
Greensboro-Winston-Salem-High Point .....	544.5	543.1	543.3	30.6	26.9	22.5	5.6	5.0	4.1
Raleigh-Durham .....	458.2	463.4	465.7	19.8	19.7	16.8	4.3	4.2	3.6
<b>North Dakota</b> .....	321.0	324.2	322.3	15.0	15.9	12.9	4.7	4.9	4.0
Bismarck .....	47.4	48.1	46.2	1.9	2.2	1.7	3.9	4.5	3.4
Fargo-Moorhead .....	89.4	91.3	91.8	2.9	3.1	2.7	3.2	3.4	3.0
Grand Forks .....	34.5	35.4	35.4	1.4	1.6	1.4	4.2	4.5	3.8
<b>Ohio<sup>1</sup></b> .....	5,649.3	5,521.3	5,608.1	400.2	331.0	368.3	7.1	8.0	6.6
Akron .....	347.2	340.9	348.5	23.8	19.0	20.5	8.9	5.6	5.9
Canton .....	204.3	197.3	202.3	15.2	12.6	13.5	7.4	8.4	6.7
Cincinnati .....	814.4	814.6	822.2	45.3	43.8	44.1	5.6	5.4	5.4
Cleveland .....	978.7	955.7	969.1	63.5	55.7	60.1	6.5	5.8	6.2
Columbus .....	781.7	769.8	779.0	41.5	37.5	41.0	5.3	4.9	5.3
Dayton-Springfield .....	488.5	473.0	480.5	31.0	23.8	26.0	6.3	5.0	5.4
Toledo .....	319.6	311.7	312.3	27.2	18.8	22.1	6.5	6.0	7.1
Youngstown-Warren .....	232.5	223.8	227.7	20.0	16.8	18.6	8.6	7.5	8.1
<b>Oklahoma</b> .....	1,551.3	1,536.0	1,538.4	84.0	93.6	93.5	5.4	6.1	6.1
Enid .....	27.6	28.7	29.1	1.1	1.4	1.3	4.0	4.9	4.4
Lawton .....	50.4	50.8	50.7	2.8	3.2	3.0	5.1	6.2	5.8
Oklahoma City .....	503.0	500.5	501.7	23.6	24.7	26.8	4.7	4.9	5.3
Tulsa .....	355.1	355.0	351.2	19.5	25.3	23.4	5.5	7.1	6.7
<b>Oregon</b> .....	1,574.2	1,606.1	1,598.1	121.1	114.1	123.9	7.7	7.1	7.8
Eugene-Springfield .....	149.9	155.4	153.2	11.5	11.8	12.5	7.7	7.8	8.1
Medford .....	77.7	80.3	79.3	7.2	6.9	7.8	9.2	8.6	9.8
Portland .....	726.8	743.4	732.6	48.7	43.0	47.4	6.7	5.8	6.5
Salem .....	151.3	156.9	154.6	10.3	11.1	11.9	6.8	7.1	7.7
<b>Pennsylvania<sup>1</sup></b> .....	6,059.1	6,051.6	6,109.6	465.1	411.5	447.0	7.7	6.8	7.3
Allentown-Bethlehem-Easton .....	346.5	348.7	350.3	28.9	22.9	25.3	8.3	6.6	7.2
Altoona .....	65.0	65.6	66.1	5.5	4.4	4.7	8.5	6.6	7.1
Beaver County .....	65.0	63.7	65.1	7.2	6.6	7.1	11.1	10.4	10.9
Erie .....	143.1	146.0	146.9	10.9	10.0	10.7	7.6	6.8	7.3
Harrisburg-Lebanon-Carlisle .....	346.3	348.5	351.4	18.6	16.7	17.1	5.4	4.8	4.9
Johnstown .....	102.8	106.1	106.5	10.1	10.5	11.4	9.8	9.9	10.7
Lancaster .....	238.1	240.3	242.9	13.1	11.5	11.9	5.5	4.6	4.9
Philadelphia .....	2,450.4	2,432.1	2,447.4	194.5	183.7	177.8	7.9	6.7	7.3
Pittsburgh .....	1,041.7	1,039.8	1,049.9	71.8	67.1	72.7	6.9	6.5	6.9
Reading .....	162.0	183.2	183.6	13.0	10.8	11.6	7.2	5.9	6.3
Scranton-Wilkes-Barre .....	384.1	360.4	366.9	38.7	31.3	34.4	10.1	8.2	6.9
Sharon .....	55.3	52.6	53.1	4.4	5.1	5.2	7.9	9.8	9.8
State College .....	68.7	66.8	70.8	4.3	3.6	4.3	6.2	5.6	6.0
Williamsport .....	62.0	61.8	62.3	4.6	4.7	5.1	7.7	7.6	8.2
York .....	232.4	236.0	240.2	15.8	13.5	13.8	6.8	5.7	5.7
<b>Rhode Island</b> .....	540.2	526.4	527.5	51.7	41.9	36.6	9.6	8.0	6.9
Pawtucket-Woonsocket-Attleboro .....	170.6	170.6	167.5	16.8	12.7	11.9	9.8	7.4	7.1
Providence .....	355.1	347.6	347.4	35.1	27.9	24.3	9.9	8.0	7.0
<b>South Carolina</b> .....	1,824.1	1,836.4	1,840.1	117.1	135.6	135.2	6.4	7.4	7.3
Charleston .....	253.9	252.0	258.5	15.5	17.7	17.0	6.1	7.0	6.6
Columbia .....	256.6	255.9	259.2	12.2	14.8	14.1	4.7	5.8	5.4
Greenville-Spartanburg .....	359.9	357.8	365.2	19.0	19.0	20.8	5.3	5.3	5.7
<b>South Dakota</b> .....	365.7	374.9	376.5	9.9	11.6	9.2	2.7	3.1	2.4
Rapid City .....	42.5	42.4	43.4	1.1	1.4	1.0	2.6	3.3	2.3
Sioux Falls .....	78.4	79.1	80.5	1.4	1.5	1.3	1.8	2.0	1.6

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		
	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>	July 1992	June 1993	July 1993 <sup>P</sup>
<b>Tennessee</b> .....	2,489.0	2,489.8	2,517.1	161.8	163.6	144.4	6.5	6.6	5.7
Chattanooga .....	217.5	215.7	217.0	13.7	12.7	10.5	6.3	5.9	4.8
Johnson City-Kingsport-Bristol .....	230.6	224.3	226.2	13.2	14.2	12.8	5.7	6.3	5.7
Knoxville .....	310.4	311.0	315.1	17.1	17.9	14.9	5.5	5.8	4.7
Memphis .....	483.4	480.0	486.3	28.2	29.9	24.2	5.8	6.2	5.0
Nashville .....	551.0	552.3	560.0	28.1	26.5	22.8	5.1	4.8	4.1
<b>Texas</b> <sup>1</sup> .....	8,868.2	8,925.4	8,982.9	652.3	668.1	643.8	7.4	7.5	7.2
Abilene .....	51.8	52.4	53.0	3.4	3.6	3.6	6.5	6.9	6.8
Amarillo .....	99.5	100.0	101.2	5.2	5.5	5.3	5.2	5.5	5.2
Austin .....	466.2	483.3	482.2	22.8	23.2	22.6	4.9	4.8	4.7
Beaumont-Port Arthur .....	179.0	183.6	184.4	16.0	21.1	19.7	9.0	11.5	10.7
Brazoria .....	93.0	91.8	92.8	7.2	8.6	8.3	7.8	9.4	9.0
Brownsville-Harlingen .....	114.2	115.5	115.2	14.2	14.1	13.1	12.4	12.2	11.4
Bryan-College Station .....	64.3	64.4	66.8	2.5	2.6	2.6	3.9	4.1	3.8
Corpus Christi .....	176.2	170.9	172.8	16.6	15.8	14.8	9.4	9.3	8.6
Dallas .....	1,486.0	1,493.2	1,507.8	100.4	98.7	93.6	6.7	6.6	6.2
El Paso .....	266.2	268.3	269.0	28.0	28.6	27.2	10.5	10.7	10.1
Fort Worth-Arlington .....	759.9	754.8	764.3	50.7	48.0	51.3	6.7	6.4	6.7
Galveston-Texas City .....	121.2	124.3	125.2	10.5	10.9	10.3	8.7	8.7	8.2
Houston .....	1,808.0	1,806.0	1,820.0	129.2	141.7	136.2	7.1	7.8	7.5
Killeen-Temple .....	103.7	108.2	108.8	7.6	8.0	7.8	7.4	7.4	7.1
Laredo .....	59.3	60.9	61.8	5.4	6.0	6.0	9.1	9.8	9.7
Longview-Marshall .....	83.1	81.8	82.7	7.4	7.9	7.4	8.9	9.7	8.9
Lubbock .....	118.5	117.0	118.5	8.0	7.6	7.0	6.8	6.5	5.9
McAllen-Edinburg-Mission .....	160.6	168.9	164.6	27.2	27.1	26.9	17.0	16.0	16.3
Midland .....	50.4	49.4	49.7	3.8	3.7	3.5	7.5	7.5	7.1
Odessa .....	54.2	53.8	53.8	5.6	5.6	5.1	10.4	10.3	9.5
San Angelo .....	46.1	46.3	46.5	2.6	2.9	2.7	5.7	6.2	5.9
San Antonio .....	637.9	648.4	653.2	42.4	41.1	39.3	6.7	6.3	6.0
Sherman-Denison .....	47.3	46.5	47.5	3.7	3.4	3.8	7.8	7.3	8.0
Texarkana .....	58.4	58.9	59.4	4.7	4.5	4.5	8.1	7.6	7.6
Tyler .....	77.9	78.1	79.0	5.2	6.0	5.7	6.7	7.7	7.2
Victoria .....	40.3	41.4	41.6	2.4	2.5	2.3	6.0	6.1	5.5
Waco .....	94.8	94.7	95.5	6.8	6.4	6.0	7.2	6.8	6.3
Wichita Falls .....	55.6	55.1	55.4	4.3	3.9	3.6	7.7	7.1	6.6
<b>Utah</b> .....	816.9	854.1	861.2	37.2	39.5	32.7	4.8	4.6	3.8
Provo-Orem .....	118.5	123.9	125.4	4.7	5.4	4.6	4.0	4.3	3.7
Salt Lake City-Ogden .....	525.9	550.5	557.2	23.3	24.3	20.0	4.4	4.4	3.6
<b>Vermont</b> .....	326.8	337.5	328.2	21.4	19.5	17.0	6.5	5.8	5.2
Burlington .....	81.0	84.2	82.0	3.7	3.8	3.4	4.6	4.3	4.1
<b>Virginia</b> .....	3,415.3	3,399.7	3,398.8	208.7	178.9	185.1	6.1	5.3	5.4
Charlottesville .....	72.7	73.4	74.1	3.2	2.6	2.9	4.5	3.5	4.0
Danville .....	54.5	54.1	54.0	4.7	3.9	4.5	8.7	7.1	8.4
Lynchburg .....	78.8	78.8	78.4	4.5	3.6	3.7	5.7	4.6	4.7
Norfolk-Virginia Beach-Newport News .....	679.8	675.9	677.3	47.8	41.6	42.3	7.0	6.2	6.2
Richmond-Petersburg .....	486.8	484.5	482.7	29.8	24.3	24.3	6.1	5.0	5.0
Roanoke .....	131.4	132.1	132.4	8.3	6.2	6.6	4.8	4.7	5.0
<b>Washington</b> .....	2,685.6	2,654.8	2,651.3	188.4	194.8	216.4	7.0	7.3	8.2
Seattle .....	1,168.8	1,155.1	1,159.7	69.5	74.3	82.0	5.9	6.4	7.1
<b>West Virginia</b> .....	782.6	787.0	781.5	85.9	97.4	76.7	11.0	12.4	9.8
Charleston .....	120.4	121.6	121.3	10.5	11.6	9.2	8.7	9.5	7.6
Huntington-Ashland .....	131.5	132.2	130.2	11.9	13.8	11.4	9.1	10.4	8.8
Parkersburg-Marietta .....	75.9	74.5	74.9	6.7	6.7	5.8	8.8	8.9	7.8
Wheeling .....	73.2	72.0	72.1	5.6	6.6	5.7	7.7	9.2	7.8
<b>Wisconsin</b> .....	2,728.8	2,755.6	2,747.7	139.1	141.1	119.7	5.1	5.1	4.4
Appleton-Oshkosh-Neenah .....	188.4	190.3	191.3	9.0	9.3	7.1	4.8	4.9	3.7
Eau Claire .....	74.9	74.3	75.3	4.6	4.5	3.5	6.1	6.0	4.7
Green Bay .....	121.0	123.1	122.9	5.0	5.7	4.6	4.1	4.6	3.8
Janesville-Beloit .....	78.8	76.7	77.0	7.4	5.6	5.2	9.4	7.4	6.7
Kenosha .....	58.3	59.3	59.6	3.7	3.7	4.0	6.4	6.2	6.7
La Crosse .....	56.7	57.2	58.1	2.6	2.4	2.5	4.6	4.2	4.3
Madison .....	247.4	247.2	251.7	8.1	5.9	5.0	3.3	2.4	2.0
Milwaukee .....	788.7	795.0	794.1	38.9	39.1	34.3	4.9	4.9	4.3
Racine .....	91.9	92.3	92.4	6.1	6.1	5.7	6.6	6.7	6.2
Sheboygan .....	62.5	60.7	61.3	4.2	2.2	2.3	6.7	3.7	3.7
Wausau .....	67.4	67.7	68.1	3.5	3.6	2.9	5.2	5.3	4.2
<b>Wyoming</b> .....	247.2	244.5	246.8	12.4	12.9	13.5	5.0	5.3	5.5
Casper .....	29.7	29.9	30.3	2.0	2.1	2.4	6.9	7.2	7.9

<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, except those referenced in footnote 1, have been revised to incorporate new benchmark information. 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 370,000 establishments employing over 45 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) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

*Jobseekers* are all unemployed persons who made specific efforts to find a job sometime during the 4-week period preceding the survey week. Jobseekers do not include those persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or 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 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		Housholds 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 for 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 Bailer, 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
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total or white:		
Most characteristics .....	-0.00010944	1668.04
High correlation characteristics <sup>1</sup> .....	-.000008144	1304.38
Low correlation characteristics <sup>1</sup> .....	-.000014170	2126.02
Men:		
Most characteristics .....	-.000019884	1599.03
High correlation characteristics .....	-.000014794	1249.33
Low correlation characteristics .....	-.000051372	2221.13
Women:		
Most characteristics .....	-.000018554	1410.58
Low correlation characteristics .....	-.000052252	2245.76
Both sexes, 16 to 19 years .....	-.000162663	2097.34
Black:		
Most characteristics .....	-.000089327	1787.47
Low correlation characteristics .....	-.001740338	5422.14
Men:		
Most characteristics .....	-.000212603	1912.52
Low correlation characteristics .....	-.002613218	4889.94
Women:		
Most characteristics .....	-.000140597	1539.24
Low correlation characteristics .....	-.002078353	4483.53
Both sexes, 16 to 19 years .....	-.001139392	2538.37
Hispanic origin:		
Total .....	-.000152279	2098.10
Civilian labor force and not in labor force .....	-.000099676	1459.85
Low correlation characteristics .....	-.002541911	6518.78
Men, civilian labor force and not in labor force .....	-.000238849	1749.13
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years .....	-.000384132	2694.10
Women, 16 years and over and 20 years and over .....	-.000330113	1972.12
Agricultural employment:		
Total or white:		
Total .....	-.000346999	3199.19
Men .....	-.000592136	3295.42
Women or both sexes, 16 to 19 years .....	.000113873	1975.66
Black:		
Total or women .....	-.000110444	2382.12
Men or both sexes, 16 to 19 years .....	-.017331654	4929.50
Hispanic origin:		
Total or women .....	.002782195	3509.38
Men or both sexes, 16 to 19 years .....	.002777539	3001.45
Self-employed .....	-.000215510	1743.43
Unemployment: <sup>2</sup>		
Total or white:		
Total, men, women .....	-.000082123	3494.11
Both sexes, 16 to 19 years and low correlation characteristics .....	-.000062800	4269.23
Black:		
Total, men, women, and both sexes, 16 to 19 years .....	-.000373894	3630.26
High correlation characteristics .....	.000043481	2571.23
Hispanic origin:		
Total, men, women .....	-.000244978	3822.03
Both sexes, 16 to 19 years and low correlation characteristics .....	-.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, reentrants, 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

BLS cooperates with State employment security agencies in the Current Employment Statistics (CES) or establishment survey to collect data each month on employment, hours, and earnings from a sample of nonfarm establishments (including government.) In 1992, this sample included over 370,000 reporting units. From these data, a large number of employment, hours, and earnings series in considerable industry and geographic detail are prepared and published each month. Historical statistics can be found in *Employment, Hours, and Earnings, United States*, and *Employment, Hours, and Earnings, States and Areas*. These data are also available in machine-readable format.

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

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

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

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

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

in the initial State editing; the edited data are used to prepare national estimates.

It should be noted that for employment, the sum of the State figures will differ from the official U.S. national totals because of the effects of differing industrial and geographic stratification and differences in the timing of benchmark adjustments.

### CONCEPTS

#### Industrial classification

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

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

#### Industry employment

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

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

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

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

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

### **Industry hours and earnings**

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

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

*Construction workers.* This group includes the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations,

demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

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

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

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

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

*Indexes of aggregate weekly hours.* The indexes of aggregate weekly hours are prepared by dividing the current



month's aggregate by the average of the 12 monthly 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.

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

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

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

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

payrolls used to calculate the other average hourly earnings series.

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

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

*Railroad hours and earnings.* The figures for Class I railroads (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.

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

*Real earnings.* These earnings are in constant dollars and are calculated from the earnings averages for the current

month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). The reference year for these series is 1982.

## ESTIMATING METHODS

The Current Employment Statistics (CES) or establishment survey estimates of employment are generated through an annual benchmark and monthly sample link procedure. Annual universe counts or benchmark levels are generated primarily from administrative records on employees covered by unemployment insurance (UI) tax laws. These annual benchmarks, established for March of each year, are projected forward for each subsequent month based on the trend of the sample employment, using an estimation procedure called the link relative. Benchmarks and sample link relatives are computed for each of 1,690 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 11 months following the March benchmark are also recalculated each year. These post-benchmark estimates reflect the application of sample-

based monthly changes to new benchmark levels for March, and the recomputation of bias adjustment factors for each month. Bias factors are updated to take into account the most recent experience of the estimates generated by the monthly sample versus the full universe counts derived from the UI.

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

### Monthly estimation

Estimates are derived from a sample of approximately 370,000 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 1,690 basic estimation cells for purposes of computing national employment, hours, and earnings estimates. Cells are defined primarily by detailed industry, and secondarily by size for a majority of cells. In a few industries, mostly within the construction division, geographic stratification is also used. Industry classification is in accordance with the *1987 Standard Industrial Classification Manual (SIC)*; most estimation cells are defined at the 4-digit SIC level.

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

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

*Bias adjustment.* Bias adjustment factors are computed at the 3-digit SIC level, and applied each month at the ba-

**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.

sic cell level, as part of the standard estimation procedures. The main purpose of bias adjustment is to reduce a primary source of nonsampling error in the survey, the inability to capture, on a timely basis, employment generated by new firm births. There is a several month lag between an establishment opening for business and its appearing on the UI universe frame and being available for sampling. Because new firms generate a portion of employment growth each month of the year, nonsampling methods must be used to capture this growth, otherwise substantial underestimation of total employment levels would occur. Formal bias adjustment procedures have been used by the establishment survey since the late 1960's. Prior to the 1983 benchmark, bias adjustments were derived from a simple mean error model, which averaged undercount errors for the previous 3 years to arrive at bias projections for the coming year. The undercount errors were measured as the difference between sample-based estimate results and benchmark levels.

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

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

Although the primary function of bias adjustment is to account for employment resulting from new business formations, it also adjusts for other elements of nonsampling error in the survey, because the primary input to the mod-

eling procedure is total estimation error. Significant among these nonsampling error sources is a business death bias. When a sampled firm closes down, most often it simply does not respond to the survey that month, rather than reporting zero employment. Followup with nonrespondents may reveal an out-of-business firm, but this information is often received too late to incorporate into monthly estimates, and the firm is simply treated as a nonrespondent for that month.

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

Table 2-B summarizes bias adjustments made over the past 10 years. The table displays the average monthly "bias added" and the average monthly "bias required" with the benchmark revisions for each year. Bias added shows the average amount of bias which was added each month over the course of an interbenchmark period. For example, the bias added for 1984 is listed as 140,000; this represents the average of bias adjustments made each month over the period April 1983 through May 1984. Bias required is computed retrospectively, after the March benchmark for a given year is known. Bias required figures are calculated by taking the difference between a March estimate derived purely from the sample (i.e., a series calculated without bias adjustment) and the March benchmark. Dividing this figure by 12 gives the average monthly bias required figure. The bias required is thus defined as the amount of bias adjustment which would have achieved a zero benchmark error. The difference between the total bias required and the total bias added is then, by definition, approximately the benchmark revision amount, for any given year. Also provided in the table for illustration, are the March-to-March changes. As discussed above, the over-the-year changes indicate correlation with the bias added and bias required figures.

## THE SAMPLE

### Design

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

The sampling plan used in the establishment survey is a

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

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

## Coverage

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

## Reliability

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

*Benchmark revision as a measure of survey error.* The sum of sampling and nonsampling error can be considered total survey error. Unlike most sample surveys which publish sampling error as their only measure of error, the CES can derive an annual approximation of total error, on a lagged basis, because of the availability of the independently derived universe data. While the benchmark error is used as a measure of total error for the CES survey estimate, technically, it actually represents the difference between two independent estimates derived from separate survey processes (i.e., the CES sample process and the UI universe process) and thus reflects the errors present in

**Table 2-B. March employment benchmarks and bias adjustments for total private industries, March 1983-92**

Year	Benchmark		Average monthly bias		Over-the-year employment change <sup>5</sup>
	Employment <sup>1</sup>	Revision <sup>2</sup>	Added <sup>3</sup>	Required <sup>4</sup>	
1983 .....	72,043	-78	102	96	-1,327
1984 .....	76,371	341	140	169	4,328
1985 .....	79,446	-131	152	141	3,075
1986 .....	81,204	-400	149	116	1,758
1987 .....	83,173	21	98	99	1,969
1988 .....	86,180	-310	114	88	3,007
1989 .....	89,015	-93	131	123	2,835
1990 .....	90,546	-261	85	63	1,531
1991 .....	88,790	-583	61	12	-1,756
1992 .....	88,347	-130	33	22	-443

<sup>1</sup> Universe counts for March of each year used to make annual benchmark adjustments to the employment estimates. About 99 percent of the benchmark employment is from unemployment insurance administrative records, and the remaining 1 percent is from alternate sources. Data represent benchmark levels as originally computed; levels for 1983-90 were subsequently corrected.

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

<sup>3</sup> The average amount of bias adjustment each month over the

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

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

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

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

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-D shows the most current benchmark revisions, along with 10-year mean revisions and mean absolute revisions for major industries. Mean revisions give an indication of bias in the estimates; unbiased estimates have a mean revision close to zero, as over and under estimations cancel out over time. Mean absolute revisions give an overall indicator as to the accuracy of the estimates; the larger the value, the further the estimate was from the final benchmark level.

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-E.

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

Approximately one-third of all establishments in the universe are included in the universe program's annual Standard Industrial Classification (SIC) refiling survey. Corrections to individual establishments SIC and ownership codes are made through this process. The refiling cycle is such that every third year entire division(s) are subject to refiling. The volume of these adjustments is generally quite large and has a substantial impact on universe employment counts at the industry levels, although the total nonfarm employment level remains unaffected. For example, in a year when the services division is refiled, a substantial amount of employment is usually reclassified out of services to other major divisions, thus, lowering the 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-F and for individual industries with the specified number of employees in table 2-E. 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.

*Revisions between preliminary and final data.* First preliminary estimates of employment, hours, and earnings, based on less than the total sample, are published immediately following the reference month. Final revised sample-based estimates are published 2 months later when nearly all the reports in the sample have been received. Table 2-G presents the root-mean-square error, the mean percent, and the mean absolute percent revision that may be expected between the preliminary and final employment estimates.

**Table 2-C. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1992**

Industry	Bench- marks (thousands)	Sample coverage <sup>1</sup>		
		Number of establish- ments	Employees	
			Number (thousands)	Percent of bench- marks
Total .....	107,300	308,646	41,726	39
Mining .....	634	3,723	276	44
Construction .....	4,117	25,786	831	20
Manufacturing .....	17,973	56,010	8,967	50
Transportation and public utilities .....	5,655	<sup>2</sup> 15,743	2,308	41
Wholesale trade ...	5,993	26,002	1,149	19
Retail trade .....	18,855	62,769	4,534	24
Finance, insurance, and real estate ...	6,534	22,709	2,122	32
Services .....	28,586	72,661	7,253	25
Government:				
Federal .....	2,974	( <sup>3</sup> )	2,974	100
State .....	4,494	5,586	3,656	81
Local .....	11,485	17,657	7,656	67

<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 5,623 reports covering about 60 percent of employment in Federal establishments.

**Table 2-D. Current (March 1992) and historical benchmark revisions**  
(Numbers in thousands)

Industry	March 1992 benchmark revision		10-year average mean percent revision <sup>1</sup>	
	Level	Percent	Actual	Absolute
Total .....	-59	-0.1	-0.1	0.2
Total private .....	-130	-.1	-.2	.3
Goods-producing .....	-263	-1.2	-.7	.7
Mining .....	-5	-.8	-2.5	2.5
Oil and gas extraction .....	-4	-1.1	-2.7	2.9
Construction .....	-109	-2.6	-.5	1.4
General building contractors .....	-36	-3.6	-.5	2.0
Manufacturing .....	-149	-.8	-.6	.7
Durable goods .....	-101	-1.0	-.6	.7
Lumber and wood products .....	-12	-1.8	-1.2	1.4
Furniture and fixtures .....	9	1.9	-.3	.9
Stone, clay, and glass products .....	-6	-1.2	-.4	1.0
Primary metal industries .....	-11	-1.6	-.7	1.0
Blast furnaces and basic steel products .....	-3	-1.2	-.1	1.5
Fabricated metal products .....	-12	-.9	-.7	.9
Industrial machinery and equipment .....	-23	-1.2	-1.0	1.2
Electronic and other electrical equipment .....	-22	-1.4	-1.1	1.2
Transportation equipment .....	-4	-.2	.3	1.1
Motor vehicles and equipment .....	-1	-.1	.7	1.3
Instruments and related products .....	-19	-2.0	-.5	1.7
Miscellaneous manufacturing .....	-2	-.6	-1.2	1.3
Nondurable goods .....	-48	-.6	-.6	.7
Food and kindred products .....	-16	-1.0	-.8	1.0
Tobacco products .....	0	0	-.3	3.8
Textile mill products .....	-7	-1.0	-.4	.6
Apparel and other textile products .....	-13	-1.3	-1.0	1.3
Paper and allied products .....	-1	-.1	-.2	.5
Printing and publishing .....	-17	-1.1	-.3	.9
Chemicals and allied products .....	11	1.0	-.4	.8
Petroleum and coal products .....	4	2.5	-.1	1.5
Rubber and miscellaneous plastics products .....	-5	-.6	-.7	1.6
Leather and leather products .....	-4	-3.4	-2.3	3.6
Service-producing .....	204	.2	0	.3
Transportation and public utilities .....	-33	-.6	-.5	.6
Transportation .....	-33	-1.0	-.8	1.2
Communications and public utilities .....	0	0	-.1	.7
Wholesale trade .....	44	.7	-.4	1.0
Durable goods .....	22	.6	-.7	1.1
Nondurable goods .....	22	.9	.1	.8
Retail trade .....	164	.9	.3	.6
General merchandise stores .....	85	3.6	.7	1.9
Food stores .....	0	0	-.7	1.2
Auto dealers and service stations .....	-39	-2.0	-.5	1.3
Eating and drinking places .....	115	1.8	.8	1.3
Finance, insurance, and real estate .....	-100	-1.5	-.5	.6
Finance .....	-75	-2.4	-.7	.8
Insurance .....	-7	-.3	0	.8
Real estate .....	-18	-1.4	-.5	1.4
Services .....	58	.2	.1	.5
Business services .....	2	( <sup>2</sup> )	.3	1.6
Health services .....	20	.2	-.5	.9
Government .....	71	.4	.1	.3
Federal .....	0	0	0	0
State .....	27	.6	.4	.7
Local .....	44	.4	0	.4

<sup>1</sup> Data relate to the 1983-92 benchmarks, as originally published. Benchmark levels for 1982-90 were subsequently corrected.

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

**Table 2-E. 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.

**Table 2-F. 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.

The interpretation of these measures is parallel to the description above for revisions between final sample-based estimates and benchmarks (i.e., tables 2-C and 2-E).

Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings, at the total private nonfarm level, and may be slightly larger for the more detailed industry groupings.

## STATISTICS FOR STATES AND AREAS

### (Tables B-8, B-9, and C-8)

As explained earlier, State agencies in cooperation with BLS collect and prepare State and area employment, hours, and earnings data. These statistics are based on the same establishment reports used by BLS, however, BLS uses the full CES sample to produce monthly national employment estimates, while each State agency uses its portion of the sample to independently develop a State employment estimate.

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

*Caution in aggregating State data.* The national estimation procedures used by BLS are designed to produce accurate national data by detailed industry; correspondingly the State estimation procedures are designed to produce accurate data for each individual State. State estimates are not forced to sum to national totals nor vice versa. Because each State series is subject to larger sampling and nonsampling errors than the national series, summing them cumulates individual State level errors and can cause distortions at an aggregate level. This has been a particular problem at turning points in the U.S. economy, when the majority of the individual State errors tend to be in the same direction. Due to these statistical limitations, the Bureau does not compile or publish a "sum-of-States" employment series. Additionally BLS cautions users that such a series is subject to a relatively large and volatile error structure, particularly at turning points.



Table 2-G. Errors of preliminary employment estimates

Industry	Root-mean-square error of monthly level	Mean percent revision	
		Actual	Absolute
Total .....	78,200	0.0	0.1
Total private .....	55,500	0	0
Goods-producing industries .....	17,900	0	.1
Mining .....	2,600	0	.3
Oil and gas extraction .....	2,300	.1	.4
Construction .....	10,800	.1	.2
General building contractors .....	4,600	.1	.2
Manufacturing .....	12,500	0	.1
Durable goods .....	9,300	0	.1
Lumber and wood products .....	1,500	0	.2
Furniture and fixtures .....	1,400	0	.2
Stone, clay, and glass products .....	1,300	0	.2
Primary metal industries .....	1,800	-.1	.2
Blast furnaces and basic steel products .....	1,400	-.2	.4
Fabricated metal products .....	2,200	0	.1
Industrial machinery and equipment .....	3,000	0	.1
Electronic and other electrical equipment .....	3,300	0	.1
Transportation equipment .....	4,500	-.1	.2
Motor vehicles and equipment .....	3,800	0	.4
Aircraft and parts <sup>1</sup> .....	1,600	-.1	.2
Instruments and related products .....	1,900	0	.2
Miscellaneous manufacturing .....	1,500	0	.3
Nondurable goods .....	7,000	0	.1
Food and kindred products .....	4,300	0	.2
Tobacco products .....	600	.2	1.0
Textile mill products .....	1,800	0	.2
Apparel and other textile products .....	2,800	0	.2
Paper and allied products .....	1,500	0	.2
Printing and publishing .....	1,800	0	.1
Chemicals and allied products .....	1,800	0	.1
Petroleum and coal products .....	800	-.1	.4
Rubber and misc. plastics products .....	1,700	0	.2
Leather and leather products .....	900	-.1	.6
Service-producing industries .....	71,700	0	.1
Transportation and public utilities .....	9,100	0	.1
Transportation .....	7,400	.0	.2
Trucking and warehousing <sup>1</sup> .....	5,300	0	.2
Transportation by air <sup>1</sup> .....	2,400	-.1	.3
Communications and public utilities .....	4,400	-.1	.1
Wholesale trade .....	6,300	0	.1
Durable goods .....	4,000	0	.1
Nondurable goods .....	4,000	0	.1
Retail trade .....	27,500	0	.1
General merchandise stores .....	13,800	0	.4
Food stores .....	6,200	0	.2
Automotive dealers and service stations .....	4,400	0	.1
Apparel and accessory stores <sup>1</sup> .....	6,800	0	.4
Eating and drinking places .....	8,000	0	.1
Finance, insurance, and real estate .....	7,400	0	.1
Finance .....	4,800	0	.1
Depository institutions <sup>1</sup> .....	3,700	-.1	.1
Insurance .....	3,200	0	.1
Real estate .....	4,000	.1	.2
Services .....	32,900	0	.1
Agricultural services <sup>1</sup> .....	2,900	0	.5
Hotels and other lodging places <sup>1</sup> .....	6,300	0	.3
Personal services <sup>1</sup> .....	9,800	-.1	.6
Business services .....	14,500	.1	.2
Personnel supply services <sup>1</sup> .....	10,400	.3	.5

**Table 2-G. Errors of preliminary employment estimates—Continued**

Industry	Root-mean-square error of monthly level	Mean percent revision	
		Actual	Absolute
<b>Service-producing industries—Continued</b>			
Auto repair, services, and parking <sup>1</sup> .....	2,900	-.1	.2
Miscellaneous repair services <sup>1</sup> .....	1,500	-.1	.3
Motion pictures <sup>1</sup> .....	4,700	0	1.0
Amusement and recreation services <sup>1</sup> .....	14,500	.7	1.1
Health services .....	8,100	0	.1
Hospitals <sup>1</sup> .....	3,700	0	.1
Legal services <sup>1</sup> .....	1,700	-.1	.1
Educational services <sup>1</sup> .....	11,500	0	.5
Social services <sup>1</sup> .....	7,300	0	.3
Museums and botanical and zoological gardens <sup>1</sup> ...	700	-.4	.8
Membership organizations <sup>1</sup> .....	4,300	0	.2
Engineering and management services <sup>1</sup> .....	3,400	0	.1
Government .....	47,000	0	.2
Federal .....	15,100	.1	.4
State .....	19,100	0	.3
Local .....	30,000	0	.2

<sup>1</sup> Data based on differences from January 1990 through December 1992.

Data used in the computations for several industries are not strictly comparable due to changes in the industrial classification system, unless otherwise noted.

NOTE: Errors are based on differences from January 1988 through

# 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 1993, new seasonal adjustment factors for May-October 1993, and a description of the current seasonal adjustment procedure appear in the June 1993 issue of *Employment and Earnings*.

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

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