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# EMPLOYMENT AND EARNINGS

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





**U.S. DEPARTMENT OF LABOR**  
Robert B. Reich, *Secretary*

BUREAU OF LABOR STATISTICS  
Katharine G. Abraham, *Commissioner*

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**Calendar of Features**

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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.
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**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 as *Employment, Hours, and Earnings, United States, 1981-93*, BLS Bulletin 2429, and is available from: New Orders, U.S. Superintendent of Documents, P.O. Box 371954, Pittsburgh, PA 15250-7954, at \$33 a copy, GPO Stock Number 029-001-03148-3.

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Editors: Gloria Peterson Green, Eugene H. Becker

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# Employment and Unemployment Developments, October 1993

Employment rose and unemployment was little changed in October. The Nation's jobless rate was 6.8 percent; it was 6.7 percent in the prior 2 months.

The number of payroll jobs, as measured by the survey of business establishments, increased by 177,000 in October, about the same as September's rise. Notable gains occurred in services, construction, finance, and wholesale trade. Manufacturing employment stabilized after a half year of declines. Total employment, as measured in the survey of households, rose substantially, following a decline in September.

## Unemployment

The number of unemployed persons rose by 269,000 in October to 8.8 million, while the unemployment rate was little changed at 6.8 percent. Over the past 4 months, the jobless rate has been either 6.7 or 6.8 percent; it had held at about 7 percent during the first half of the year, after declining from the June 1992 high of 7.7 percent.

As has been the case in recent months, there was little or no change in October in the jobless rates for adult men (6.3 percent) and adult women (5.9 percent). The teenage unemployment rate rose 2 percentage points, returning to about its June level. The rates for whites (6.2 percent) and Hispanics (11.5 percent) rose over the month, while that for blacks (11.7 percent) fell. (See tables A-33 and A-34.)

The number of persons employed part time for economic reasons—often referred to as the “partially unemployed”—fell by 323,000 in October to 6.2 million, or to about the March 1993 level. It had fluctuated around 6.5 million in most of the intervening months. (See table A-35.)

## Total employment and the labor force

Total employment rose by 471,000 in October to 119.9 million, following a decline of 253,000 in September (seasonally adjusted). Reflecting the over-the-month rise in employment, the employment-population ratio (the proportion of the population with jobs) rose from 61.6 to 61.8 percent. Since October 1992, the number of persons with jobs has grown by 2.2 million. (See table A-33.)

The civilian labor force (those who are either working or looking for work) increased by 739,000 in October, reaching 128.7 million. This followed a 395,000 decline in September. The civilian labor force participation rate rose 0.3 percentage point to 66.3 percent from September to October. (See table A-33.)

## Industry payroll employment

Nonfarm payroll employment rose by 177,000 in October to 110.6 million, after an increase of 162,000 in September. These gains were slightly above the average for the past year. Nearly two-thirds of the overall October increase was in the services industry, but there was also job growth in construction, finance, and wholesale trade. (See table B-4.)

The services industry added 114,000 jobs over the month, following 2 months of relatively small gains. The growth took place largely in business services (mostly in its personnel supply component), health services, and hotels. Employment in services has increased by nearly 2.4 million since March 1991, the official end date of the recession.

Job gains were also robust in the finance industry, where employment rose by 18,000 in October. This industry has added 82,000 jobs since September 1992, as a variety of financial institutions have benefited from low interest rates.

Wholesale trade employment rose for the second month in a row. In retail trade, offsetting increases and declines among the component industries left the overall number of jobs about unchanged. Eating and drinking places and automotive dealers continued to gain jobs over the month, while hiring in department and apparel stores was less than normal for this time of year.

Employment in the transportation and public utilities industry remained essentially flat over the month. Largely reflecting cutbacks in communications and utilities, the industry has lost 33,000 jobs since February.

In the goods-producing sector, construction added 30,000 jobs in October, resuming its growth pattern following 2 consecutive months with little change. Much of the October gain stemmed from increased activity in homebuilding.

For the first time since February, manufacturing employment did not decline, and there were notable increases in several component industries. Lumber and wood products and stone, clay, and glass—industries which are closely related to construction—showed sizable gains, as did auto manufacturing. Employment in food processing also increased, rebounding from a September decline. These gains were offset by continued declines in the defense-dependent aircraft and instruments industries, as well as in many nondurable industries, most notably apparel.

### Weekly hours

Following a drop of 0.3 hour in September, the average workweek for production or nonsupervisory workers on private nonfarm payrolls edged up 0.1 hour to 34.5 hours in October, seasonally adjusted. The manufacturing workweek also edged up by 0.1 hour to 41.6 hours, equaling the post-World War II record set in February 1966. Factory overtime rose by 0.2 hour to an all-time high (since the data series began in 1956) of 4.3 hours in October. (See table C-5.)

The index of aggregate weekly hours of private nonfarm production or nonsupervisory workers was up by 0.7 percent to 124.7 (1982=100) in October, reversing the

September decline. The manufacturing index was up by 0.5 percent to 101.4. (See table C-6.)

### Hourly and weekly earnings

Average hourly earnings of private production or nonsupervisory workers on nonfarm payrolls increased 0.5 percent in October after seasonal adjustment. Average weekly earnings increased by 0.8 percent. Before seasonal adjustment, average hourly earnings rose by 3 cents to \$10.94, and average weekly earnings were up by \$2.12 to \$378.52. Since October 1992, average hourly earnings have increased by 2.4 percent and average weekly earnings by 3.0 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 effect 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 made available at a media briefing session on November 16 and a technical users conference on November 17 in Washington, DC. Additional briefings have been scheduled in 11 other cities. For further information on these meetings, please call 202-606-6378. A comprehensive article will appear 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>
November	December 3	February	March 4
December	January 7	March	April 1
January	February 4	April	May 6

**HOUSEHOLD DATA  
HISTORICAL**

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

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force
		Number	Percent of population	Employed					Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force	
						Total	Agriculture	Nonagricultural industries			
<b>Annual averages</b>											
1960 <sup>1</sup>	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312
1962 <sup>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	2,238	77,902	3,606	74,296	2,832	3.4	53,602
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834
1972 <sup>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	189,686	126,424	66.6	119,550	1,637	117,914	3,186	114,728	6,874	5.4	63,262
1991	191,329	126,867	66.3	118,440	1,564	116,877	3,233	113,644	8,426	6.6	64,462
1992	193,142	128,548	66.6	119,164	1,566	117,598	3,207	114,391	9,384	7.3	64,593
<b>Monthly data, seasonally adjusted<sup>2</sup></b>											
<b>1992:</b>											
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	1,482	119,710	2,980	116,729	8,661	6.7	65,423
September	195,453	129,457	66.2	120,939	1,482	119,457	3,095	116,362	8,517	6.6	65,996
October	195,626	130,189	66.5	121,403	1,475	119,928	2,991	116,936	8,786	6.7	65,437

<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.



**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	58,381	4,530	6.8	20,376	
1987 .....	88,476	67,784	76.6	63,684	1,577	62,107	2,543	59,564	4,101	6.1	20,692	
1988 .....	89,404	68,474	76.6	64,820	1,547	63,273	2,493	60,780	3,655	5.3	20,930	
1989 .....	90,283	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	63,805	2,534	61,270	5,380	7.6	22,356	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1992:</b>												
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	70,835	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	66,056	1,330	64,726	2,450	62,276	4,992	7.0	22,762	
June .....	93,896	71,082	75.7	66,006	1,323	64,683	2,396	62,288	5,075	7.1	22,814	
July .....	93,986	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	62,616	4,994	7.0	22,817	
September .....	94,169	70,872	75.3	66,033	1,326	64,707	2,461	62,246	4,839	6.8	23,297	
October .....	94,260	71,217	75.6	66,313	1,319	64,994	2,344	62,650	4,904	6.9	23,043	
<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	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
1986 <sup>1</sup> .....	96,013	53,818	56.1	50,494	160	50,334	666	49,668	3,324	6.2	42,195	
1988 .....	96,918	54,904	56.6	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	41,601	
1990 .....	98,564	56,719	57.5	53,644	165	53,479	679	52,800	3,075	5.4	41,845	
1991 .....	99,378	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>												
October .....	100,445	57,890	57.6	53,921	158	53,763	619	53,144	3,969	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	42,826	
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	
September .....	101,284	58,585	57.8	54,906	156	54,750	634	54,116	3,678	6.3	42,699	
October .....	101,366	58,971	58.2	55,089	156	54,933	647	54,286	3,882	6.6	42,395	

<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
Annual averages								
1960 <sup>1</sup> .....	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961 .....	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 <sup>1</sup> .....	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963 .....	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964 .....	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965 .....	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966 .....	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967 .....	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968 .....	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969 .....	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970 .....	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971 .....	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 <sup>2</sup> .....	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 <sup>1</sup> .....	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974 .....	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975 .....	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976 .....	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977 .....	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 <sup>1</sup> .....	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979 .....	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980 .....	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981 .....	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982 .....	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983 .....	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984 .....	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985 .....	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 <sup>1</sup> .....	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
1987 .....	182,753	119,865	65.6	112,440	7,425	6.2	6.2	6.2
1988 .....	184,613	121,669	65.9	114,968	6,701	5.5	5.5	5.6
1989 .....	186,393	123,869	66.5	117,342	6,528	5.3	5.2	5.4
1990 .....	188,049	124,787	66.4	117,914	6,874	5.5	5.6	5.4
1991 .....	189,765	125,303	66.0	116,877	8,426	6.7	7.0	6.3
1992 .....	191,576	126,982	66.3	117,598	9,384	7.4	7.8	6.9
Monthly data, seasonally adjusted <sup>2</sup>								
<b>1992:</b>								
October .....	192,131	127,066	66.1	117,687	9,379	7.4	7.8	6.9
November .....	192,316	127,365	66.2	118,064	9,301	7.3	7.6	6.9
December .....	192,509	127,591	66.3	118,311	9,280	7.3	7.5	7.0
<b>1993:</b>								
January .....	192,644	127,083	66.0	118,071	9,013	7.1	7.1	7.0
February .....	192,786	127,327	66.0	118,451	8,876	7.0	7.2	6.7
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
September .....	193,971	127,975	66.0	119,457	8,517	6.7	7.0	6.3
October .....	194,151	128,714	66.3	119,928	8,786	6.8	7.0	6.6

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

(Numbers in thousands)

Age and sex	October 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 .....	29,842	18,671	62.6	16,773	201	16,572	1,898	10.2	11,171
16 to 19 years .....	2,713	860	31.7	579	5	574	280	32.6	1,853
16 to 17 years .....	1,363	274	20.1	168	2	166	106	38.8	1,090
18 to 19 years .....	1,350	586	43.4	412	4	408	174	29.7	764
20 to 24 years .....	3,318	2,182	65.8	1,819	19	1,800	362	16.6	1,136
25 to 54 years .....	17,559	13,830	78.8	12,682	141	12,542	1,147	8.3	3,729
25 to 34 years .....	6,960	5,448	78.3	4,916	49	4,867	532	9.8	1,511
25 to 29 years .....	3,348	2,547	76.1	2,314	26	2,288	233	9.1	801
30 to 34 years .....	3,612	2,901	80.3	2,602	23	2,579	300	10.3	710
35 to 44 years .....	6,399	5,161	80.7	4,721	62	4,660	440	8.5	1,238
35 to 39 years .....	3,485	2,800	80.3	2,528	47	2,481	271	9.7	685
40 to 44 years .....	2,914	2,361	81.0	2,193	14	2,178	168	7.1	553
45 to 54 years .....	4,200	3,221	76.7	3,045	30	3,015	176	5.5	979
45 to 49 years .....	2,345	1,855	79.1	1,749	13	1,736	107	5.8	490
50 to 54 years .....	1,855	1,365	73.6	1,296	17	1,279	69	5.0	490
55 to 64 years .....	2,886	1,463	50.7	1,369	22	1,347	94	6.4	1,423
55 to 59 years .....	1,528	915	59.9	851	18	834	64	7.0	613
60 to 64 years .....	1,358	548	40.4	518	4	513	31	5.6	810
65 years and over .....	3,366	337	10.0	323	14	310	13	4.0	3,029
65 to 69 years .....	1,142	221	19.3	211	9	202	10	4.4	921
70 to 74 years .....	956	69	7.2	66	5	61	3	( <sup>1</sup> )	887
75 years and over .....	1,268	47	3.7	47	-	47	1	( <sup>1</sup> )	1,221
<b>Men</b>									
16 years and over .....	13,644	9,420	69.0	8,438	184	8,254	982	10.4	4,224
16 to 19 years .....	1,389	459	33.0	302	5	297	157	34.1	930
16 to 17 years .....	698	156	22.4	94	1	92	63	40.2	542
18 to 19 years .....	691	303	43.8	209	4	205	94	31.0	388
20 to 24 years .....	1,565	1,150	73.5	961	18	943	189	16.4	415
25 to 54 years .....	8,023	6,883	85.8	6,308	130	6,178	575	8.4	1,140
25 to 34 years .....	3,192	2,777	87.0	2,533	47	2,486	245	8.8	414
25 to 29 years .....	1,540	1,285	83.5	1,177	26	1,151	108	8.4	255
30 to 34 years .....	1,652	1,492	90.3	1,355	20	1,335	136	9.1	160
35 to 44 years .....	2,932	2,554	87.1	2,319	57	2,261	235	9.2	378
35 to 39 years .....	1,603	1,405	87.6	1,257	44	1,213	147	10.5	198
40 to 44 years .....	1,329	1,149	86.5	1,062	13	1,048	88	7.7	179
45 to 54 years .....	1,900	1,552	81.7	1,457	26	1,431	95	6.1	348
45 to 49 years .....	1,063	892	83.9	834	9	825	58	6.5	171
50 to 54 years .....	837	660	78.9	623	17	606	37	5.6	177
55 to 64 years .....	1,295	756	58.3	705	18	686	51	6.7	540
55 to 59 years .....	686	460	67.0	433	15	418	27	5.9	227
60 to 64 years .....	609	296	48.6	272	4	268	24	8.1	313
65 years and over .....	1,372	172	12.6	162	13	149	11	6.1	1,199
65 to 69 years .....	509	126	24.7	118	8	109	8	6.5	383
70 to 74 years .....	400	32	7.9	30	5	25	1	( <sup>1</sup> )	369
75 years and over .....	462	15	3.3	14	-	14	1	( <sup>1</sup> )	447
<b>Women</b>									
16 years and over .....	16,198	9,251	57.1	8,335	18	8,318	916	9.9	6,947
16 to 19 years .....	1,324	401	30.2	277	-	276	124	30.9	924
16 to 17 years .....	665	117	17.7	74	-	74	43	36.9	548
18 to 19 years .....	659	283	43.0	203	-	203	80	28.4	376
20 to 24 years .....	1,753	1,032	58.9	858	2	857	174	16.8	721
25 to 54 years .....	9,536	6,947	72.8	6,374	11	6,363	572	8.2	2,589
25 to 34 years .....	3,768	2,671	70.9	2,384	2	2,381	287	10.8	1,097
25 to 29 years .....	1,808	1,261	69.8	1,137	-	1,137	124	9.9	547
30 to 34 years .....	1,960	1,410	71.9	1,247	2	1,244	163	11.6	550
35 to 44 years .....	3,467	2,607	75.2	2,403	4	2,398	204	7.8	861
35 to 39 years .....	1,882	1,395	74.1	1,271	3	1,268	124	8.9	487
40 to 44 years .....	1,585	1,212	76.5	1,131	1	1,130	80	6.6	373
45 to 54 years .....	2,300	1,669	72.5	1,588	4	1,584	81	4.8	631
45 to 49 years .....	1,282	964	75.1	915	4	911	48	5.0	319
50 to 54 years .....	1,018	705	69.3	673	-	673	32	4.6	313
55 to 64 years .....	1,591	707	44.5	664	4	661	43	6.1	884
55 to 59 years .....	842	455	54.1	419	3	416	37	8.0	386
60 to 64 years .....	749	252	33.6	245	1	245	7	2.6	497
65 years and over .....	1,994	164	8.2	161	1	161	3	1.8	1,830
65 to 69 years .....	632	95	15.0	94	1	93	1	1.5	537
70 to 74 years .....	556	37	6.7	35	-	35	2	( <sup>1</sup> )	519
75 years and over .....	806	32	4.0	32	-	32	-	( <sup>1</sup> )	774

<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	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
<b>TOTAL</b>								
Civilian noninstitutional population .....	192,131	194,151	85,159	86,156	93,771	94,656	13,200	13,339
Civilian labor force .....	126,846	128,547	65,658	66,305	54,828	55,716	6,360	6,526
Percent of population .....	66.0	66.2	77.1	77.0	58.5	58.9	48.2	48.9
Employed .....	118,246	120,446	61,515	62,617	51,529	52,526	5,202	5,303
Agriculture .....	3,249	3,071	2,480	2,306	595	607	174	158
Nonagricultural industries .....	114,998	117,375	59,036	60,311	50,934	51,919	5,028	5,145
Unemployed .....	8,600	8,101	4,143	3,688	3,299	3,190	1,157	1,223
Unemployment rate .....	6.8	6.3	6.3	5.6	6.0	5.7	18.2	18.7
Not in labor force .....	65,285	65,604	19,501	19,851	38,944	38,940	6,841	6,813
<b>White</b>								
Civilian noninstitutional population .....	163,013	164,309	73,237	73,901	79,279	79,782	10,497	10,625
Civilian labor force .....	108,347	109,876	56,805	57,344	46,127	46,866	5,416	5,666
Percent of population .....	66.5	66.9	77.6	77.6	58.2	58.7	51.6	53.3
Employed .....	101,965	103,673	53,649	54,481	43,705	44,467	4,611	4,724
Agriculture .....	2,996	2,869	2,261	2,127	569	590	167	152
Nonagricultural industries .....	98,969	100,803	51,388	52,354	43,137	43,878	4,444	4,572
Unemployed .....	6,382	6,204	3,156	2,863	2,421	2,399	804	942
Unemployment rate .....	5.9	5.6	5.6	5.0	5.2	5.1	14.9	16.6
Not in labor force .....	54,665	54,433	16,431	16,558	33,152	32,916	5,082	4,959
<b>Black</b>								
Civilian noninstitutional population .....	22,061	22,442	8,908	9,071	11,077	11,251	2,076	2,121
Civilian labor force .....	13,925	13,928	6,494	6,492	6,720	6,778	711	658
Percent of population .....	63.1	62.1	72.9	71.6	60.7	60.2	34.3	31.0
Employed .....	12,060	12,384	5,676	5,846	5,977	6,121	407	417
Agriculture .....	181	135	167	120	6	11	8	4
Nonagricultural industries .....	11,880	12,248	5,509	5,726	5,972	6,109	400	413
Unemployed .....	1,865	1,544	818	646	743	657	304	241
Unemployment rate .....	13.4	11.1	12.6	10.0	11.1	9.7	42.7	36.7
Not in labor force .....	8,135	8,514	2,414	2,579	4,357	4,473	1,364	1,462

**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	October 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 .....	15,789	7,658	48.5	6,638	1,301	5,337	1,020	159	862	13.3
16 to 19 years .....	10,409	4,347	41.8	3,569	315	3,254	778	85	693	17.9
20 to 24 years .....	5,380	3,311	61.5	3,069	986	2,082	242	73	169	7.3
High school .....	7,462	2,846	38.1	2,259	146	2,112	587	75	512	20.6
College .....	8,327	4,812	57.8	4,379	1,155	3,224	433	84	349	9.0
Full-time students .....	6,936	3,573	51.5	3,211	461	2,750	362	44	318	10.1
Part-time students .....	1,391	1,240	89.1	1,168	694	475	72	40	32	5.8
Men, 16 to 24 years .....	8,049	3,801	47.2	3,237	648	2,590	564	110	454	14.8
16 to 19 years .....	5,357	2,158	40.3	1,739	182	1,557	419	60	359	19.4
20 to 24 years .....	2,692	1,643	61.0	1,498	466	1,032	145	49	95	8.8
High school .....	4,014	1,508	37.6	1,173	91	1,082	336	61	275	22.3
College .....	4,035	2,293	56.8	2,065	557	1,508	228	49	179	9.9
Full-time students .....	3,400	1,713	50.4	1,518	233	1,285	195	30	165	11.4
Part-time students .....	635	580	91.3	547	324	223	33	19	14	5.7
Women, 16 to 24 years .....	7,740	3,857	49.8	3,400	653	2,747	457	49	408	11.8
16 to 19 years .....	5,052	2,189	43.3	1,830	133	1,697	359	25	334	16.4
20 to 24 years .....	2,687	1,668	62.1	1,570	520	1,050	98	24	74	5.9
High school .....	3,448	1,337	38.8	1,086	55	1,031	251	14	237	18.8
College .....	4,292	2,520	58.7	2,314	598	1,716	205	35	170	8.2
Full-time students .....	3,536	1,860	52.6	1,693	228	1,465	167	14	153	9.0
Part-time students .....	756	660	87.3	621	370	252	39	21	18	5.9
<b>White</b>										
Total, 16 to 24 years .....	12,674	6,663	52.6	5,905	1,137	4,767	759	98	661	11.4
16 to 19 years .....	8,286	3,825	46.2	3,232	280	2,952	592	53	539	15.5
20 to 24 years .....	4,388	2,839	64.7	2,672	857	1,815	166	45	121	5.9
Men .....	6,462	3,288	50.9	2,872	572	2,300	416	70	346	12.7
Women .....	6,212	3,375	54.3	3,033	565	2,467	343	28	314	10.1
High school .....	5,812	2,486	42.8	2,034	118	1,917	452	45	407	18.2
College .....	6,862	4,177	60.9	3,870	1,020	2,851	307	54	253	7.3
Full-time students .....	5,658	3,087	54.6	2,828	395	2,432	259	24	235	8.4
Part-time students .....	1,204	1,090	90.6	1,043	624	418	48	30	18	4.4
<b>Black</b>										
Total, 16 to 24 years .....	2,211	688	31.1	474	119	355	214	48	166	31.1
16 to 19 years .....	1,637	397	24.2	242	31	211	155	29	127	39.1
20 to 24 years .....	574	291	50.8	233	89	144	59	19	40	20.2
Men .....	1,107	335	30.2	214	50	164	120	30	90	35.9
Women .....	1,104	354	32.0	260	69	191	94	18	76	26.5
High school .....	1,312	276	21.1	162	23	139	115	29	86	41.6
College .....	899	412	45.8	313	96	216	99	18	81	24.1
Full-time students .....	769	310	40.3	228	48	180	82	11	71	26.5
Part-time students .....	130	101	78.3	85	48	37	17	7	10	16.5
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	1,510	673	44.6	517	103	414	156	27	129	23.1
16 to 19 years .....	1,071	394	36.8	274	21	253	120	15	105	30.5
20 to 24 years .....	439	279	63.6	244	82	161	36	12	23	12.8
Men .....	765	338	44.1	259	44	216	78	14	64	23.2
Women .....	744	335	45.1	258	60	198	77	13	64	23.0
High school .....	887	273	30.8	177	12	164	97	7	90	35.4
College .....	623	400	64.2	341	91	250	59	20	38	14.7
Full-time students .....	473	266	56.3	226	33	192	40	8	33	15.2
Part-time students .....	149	133	89.3	115	58	57	18	13	6	13.8

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	October 1993									
	Civilian noninstitutional population	Civilian 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	Percent of labor force
<b>TOTAL NOT ENROLLED</b>										
Total, 16 to 24 years .....	15,054	12,219	81.2	10,774	9,021	1,752	1,445	1,291	154	11.8
16 to 19 years .....	2,929	2,179	74.4	1,734	1,242	492	445	395	50	20.4
20 to 24 years .....	12,124	10,040	82.8	9,040	7,780	1,260	1,000	896	104	10.0
Less than a high school diploma .....	3,402	2,102	61.8	1,673	1,318	354	430	386	44	20.4
High school graduates, no college .....	6,781	5,614	82.8	4,911	4,032	879	704	641	62	12.5
Less than a bachelor's degree .....	3,297	2,981	90.4	2,754	2,370	384	227	188	40	7.6
College graduates .....	1,574	1,521	96.7	1,436	1,301	135	85	77	8	5.6
Men, 16 to 24 years .....	7,303	6,623	90.7	5,854	5,122	732	769	727	43	11.6
16 to 19 years .....	1,428	1,194	83.6	961	745	217	233	211	22	19.5
20 to 24 years .....	5,875	5,429	92.4	4,893	4,377	515	537	516	21	9.9
Less than a high school diploma .....	1,718	1,419	82.6	1,169	977	191	251	240	11	17.7
High school graduates, no college .....	3,397	3,122	91.9	2,729	2,382	347	393	372	22	12.6
Less than a bachelor's degree .....	1,524	1,439	94.4	1,356	1,215	141	84	77	7	5.8
College graduates .....	665	643	96.7	601	548	53	42	38	4	6.5
Women, 16 to 24 years .....	7,751	5,595	72.2	4,920	3,899	1,020	675	564	111	12.1
16 to 19 years .....	1,501	985	65.6	772	497	275	212	184	28	21.5
20 to 24 years .....	6,250	4,611	73.8	4,147	3,402	745	463	380	83	10.0
Less than a high school diploma .....	1,685	683	40.5	504	341	163	179	145	33	26.2
High school graduates, no college .....	3,384	2,492	73.7	2,182	1,650	532	310	270	41	12.4
Less than a bachelor's degree .....	1,773	1,542	87.0	1,398	1,155	244	144	111	33	9.3
College graduates .....	909	878	96.6	835	753	82	43	39	4	4.9
<b>White</b>										
Total, 16 to 24 years .....	12,137	10,172	83.8	9,108	7,698	1,410	1,064	942	122	10.5
16 to 19 years .....	2,339	1,842	78.7	1,492	1,097	395	350	318	32	19.0
20 to 24 years .....	9,798	8,330	85.0	7,616	6,601	1,016	713	624	89	8.6
Men .....	5,936	5,527	93.1	4,956	4,386	570	571	546	25	10.3
Women .....	6,201	4,644	74.9	4,152	3,311	841	492	396	97	10.6
Less than a high school diploma .....	2,619	1,728	66.0	1,406	1,120	287	322	291	30	18.6
High school graduates, no college .....	5,381	4,585	85.2	4,078	3,395	684	507	451	56	11.0
Less than a bachelor's degree .....	2,723	2,489	91.4	2,327	2,003	323	162	132	30	6.5
College graduates .....	1,413	1,370	96.9	1,297	1,180	116	73	68	5	5.3
<b>Black</b>										
Total, 16 to 24 years .....	2,385	1,664	69.8	1,321	1,028	294	342	315	28	20.6
16 to 19 years .....	484	261	54.0	175	94	81	86	69	17	33.0
20 to 24 years .....	1,901	1,402	73.8	1,146	934	212	256	246	11	18.3
Men .....	1,102	860	78.1	689	558	131	171	157	14	19.9
Women .....	1,283	803	62.6	632	470	162	171	158	13	21.3
Less than a high school diploma .....	633	273	43.2	187	131	57	86	74	12	31.5
High school graduates, no college .....	1,178	882	74.9	690	519	171	192	187	5	21.8
Less than a bachelor's degree .....	470	407	86.7	354	301	53	53	46	8	13.1
College graduates .....	104	101	96.9	90	78	12	11	8	3	11.0
<b>Hispanic origin</b>										
Total, 16 to 24 years .....	2,087	1,498	71.8	1,239	1,043	196	259	237	22	17.3
16 to 19 years .....	465	310	66.7	232	183	49	78	66	12	25.1
20 to 24 years .....	1,622	1,187	73.2	1,006	860	147	181	171	10	15.2
Men .....	1,036	926	89.3	786	688	98	140	136	4	15.1
Women .....	1,051	572	54.4	453	355	98	119	101	19	20.8
Less than a high school diploma .....	993	630	63.5	521	428	93	109	106	4	17.4
High school graduates, no college .....	740	553	74.7	443	377	67	109	95	15	19.8
Less than a bachelor's degree .....	280	243	86.9	212	179	33	31	27	4	12.7
College graduates .....	73	71	( <sup>2</sup> )	62	59	3	9	9	-	( <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							
	Oct. 1992	Oct. 1993	Total		Employed		Unemployed			
			Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Number		Percent of labor force	
							Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,877	7,917	7,061	7,057	6,704	6,698	358	359	5.1	5.1
35 to 49 years .....	6,174	5,816	5,775	5,411	5,481	5,124	294	287	5.1	5.3
35 to 39 years .....	873	669	794	621	743	568	51	54	6.4	8.6
40 to 44 years .....	2,556	2,162	2,373	2,003	2,229	1,866	144	137	6.1	6.8
45 to 49 years .....	2,745	2,985	2,608	2,787	2,509	2,691	99	97	3.8	3.5
50 years and over .....	1,703	2,101	1,286	1,645	1,223	1,573	64	72	5.0	4.4
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	19,785	20,755	18,482	19,291	17,508	18,409	974	882	5.3	4.6
35 to 39 years .....	8,868	9,120	8,360	8,550	7,865	8,121	495	429	5.9	5.0
40 to 44 years .....	6,395	6,949	6,002	6,474	5,714	6,207	288	267	4.8	4.1
45 to 49 years .....	4,522	4,685	4,120	4,267	3,929	4,081	191	186	4.6	4.4

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	October 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 .....	99,050	97,328	1,722	21,396	17,301	4,095	6,345	1,757
16 to 19 years .....	1,557	1,454	103	3,746	3,401	346	480	743
16 to 17 years .....	171	156	15	1,875	1,827	48	88	441
18 to 19 years .....	1,386	1,298	88	1,872	1,574	298	392	302
20 years and over .....	97,493	95,874	1,619	17,649	13,901	3,749	5,865	1,013
20 to 24 years .....	8,766	8,530	236	3,342	2,637	705	970	273
25 years and over .....	88,728	87,344	1,383	14,307	11,264	3,043	4,895	741
25 to 54 years .....	77,796	76,646	1,150	10,350	7,764	2,586	4,399	575
55 years and over .....	10,932	10,698	233	3,957	3,500	458	497	166
<b>Men, 16 years and over .....</b>	<b>58,032</b>	<b>56,964</b>	<b>1,068</b>	<b>7,286</b>	<b>5,520</b>	<b>1,766</b>	<b>3,672</b>	<b>668</b>
16 to 19 years .....	926	861	65	1,774	1,600	174	271	381
20 years and over .....	57,105	56,103	1,003	5,512	3,920	1,592	3,401	287
20 to 24 years .....	4,844	4,703	141	1,547	1,180	367	565	116
25 years and over .....	52,261	51,400	862	3,965	2,740	1,225	2,836	171
25 to 54 years .....	45,584	44,880	704	2,306	1,274	1,032	2,534	87
55 years and over .....	6,678	6,520	158	1,659	1,466	193	301	84
<b>Women, 16 years and over .....</b>	<b>41,019</b>	<b>40,364</b>	<b>655</b>	<b>14,110</b>	<b>11,781</b>	<b>2,328</b>	<b>2,673</b>	<b>1,089</b>
16 to 19 years .....	630	592	38	1,972	1,800	172	209	362
20 years and over .....	40,388	39,772	617	12,138	9,981	2,157	2,464	726
20 to 24 years .....	3,922	3,827	95	1,795	1,457	338	405	156
25 years and over .....	36,466	35,945	521	10,342	8,524	1,818	2,060	570
25 to 54 years .....	32,212	31,766	446	8,044	6,490	1,554	1,864	488
55 years and over .....	4,254	4,179	75	2,298	2,034	265	195	82
<b>White</b>								
<b>Men, 16 years and over .....</b>	<b>50,663</b>	<b>49,780</b>	<b>884</b>	<b>6,216</b>	<b>4,845</b>	<b>1,371</b>	<b>2,841</b>	<b>517</b>
16 to 19 years .....	824	770	54	1,574	1,445	129	209	287
20 years and over .....	49,840	49,010	829	4,642	3,400	1,242	2,632	230
20 to 24 years .....	4,134	4,031	103	1,295	1,002	294	408	85
25 years and over .....	45,705	44,979	726	3,347	2,398	948	2,225	146
25 to 54 years .....	39,759	39,166	593	1,823	1,038	785	1,970	76
55 years and over .....	5,946	5,813	133	1,524	1,360	164	255	70
<b>Women, 16 years and over .....</b>	<b>34,231</b>	<b>33,705</b>	<b>526</b>	<b>12,562</b>	<b>10,635</b>	<b>1,927</b>	<b>1,947</b>	<b>899</b>
16 to 19 years .....	553	522	31	1,772	1,627	145	162	285
20 years and over .....	33,678	33,183	495	10,790	9,008	1,782	1,784	614
20 to 24 years .....	3,323	3,247	77	1,536	1,267	269	262	126
25 years and over .....	30,354	29,936	418	9,254	7,741	1,513	1,523	488
25 to 54 years .....	26,689	26,331	357	7,193	5,903	1,290	1,361	419
55 years and over .....	3,665	3,605	61	2,061	1,838	224	162	69
<b>Black</b>								
<b>Men, 16 years and over .....</b>	<b>5,299</b>	<b>5,149</b>	<b>149</b>	<b>744</b>	<b>441</b>	<b>304</b>	<b>660</b>	<b>121</b>
16 to 19 years .....	63	57	6	134	94	40	56	79
20 years and over .....	5,236	5,092	143	610	346	264	604	42
20 to 24 years .....	545	516	29	162	100	61	131	26
25 years and over .....	4,691	4,577	114	449	246	203	473	16
25 to 54 years .....	4,173	4,083	90	333	155	177	440	3
55 years and over .....	518	494	25	116	90	26	33	14
<b>Women, 16 years and over .....</b>	<b>5,246</b>	<b>5,147</b>	<b>99</b>	<b>1,095</b>	<b>787</b>	<b>308</b>	<b>616</b>	<b>147</b>
16 to 19 years .....	62	56	6	158	136	23	42	65
20 years and over .....	5,184	5,091	93	937	652	285	574	83
20 to 24 years .....	478	461	17	195	134	61	134	25
25 years and over .....	4,706	4,630	76	742	518	224	441	58
25 to 54 years .....	4,255	4,189	66	563	362	201	411	47
55 years and over .....	451	441	10	179	156	24	29	11

<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	October 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> .....	101,716	66.7	95,313	6,403	6.3	50,875	19,190	8,399	3,056	20,230
Husbands .....	40,573	77.4	39,067	1,506	3.7	11,857	202	189	1,170	10,296
With employed wife .....	27,541	91.6	26,623	918	3.3	2,527	113	111	434	1,870
With unemployed wife .....	1,270	90.0	1,136	134	10.6	141	4	1	46	90
With wife not in labor force .....	11,762	56.1	11,308	454	3.9	9,189	86	78	690	8,336
Wives .....	31,479	60.0	30,068	1,411	4.5	20,951	14,668	407	556	5,320
With employed husband .....	27,759	71.1	26,623	1,136	4.1	11,308	9,336	344	192	1,436
With unemployed husband .....	1,052	69.9	918	134	12.7	454	367	20	15	52
With husband not in labor force .....	2,668	22.5	2,527	141	5.3	9,189	4,966	43	348	3,832
Relatives in married-couple families .....	11,894	60.5	10,476	1,418	11.9	7,758	694	5,264	381	1,420
16 to 19 years .....	4,050	48.6	3,446	604	14.9	4,289	61	3,947	5	276
20 to 24 years .....	4,278	73.1	3,829	449	10.5	1,571	154	1,148	49	220
25 years and over .....	3,566	65.3	3,201	365	10.2	1,898	479	169	327	924
Women who maintain families .....	7,563	63.7	6,861	701	9.3	4,310	2,533	311	319	1,148
Relatives in families maintained by women .....	5,702	58.7	4,763	939	16.5	4,014	711	1,810	400	1,094
16 to 19 years .....	1,295	44.2	906	389	30.1	1,637	102	1,407	13	114
20 to 24 years .....	1,539	71.3	1,328	211	13.7	621	140	308	27	145
25 years and over .....	2,868	62.0	2,529	339	11.8	1,756	469	95	360	835
Men who maintain families .....	2,619	76.9	2,428	191	7.3	788	45	42	122	578
Relatives in families maintained by men .....	1,887	61.2	1,650	238	12.6	1,195	337	376	108	374
16 to 19 years .....	325	52.8	248	77	23.6	291	15	249	-	27
20 to 24 years .....	415	71.6	362	53	12.7	165	45	91	-	29
25 years and over .....	1,148	60.8	1,040	108	9.4	739	277	36	108	318

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

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

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

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
Total, 16 years and over .....	4,769	4,340	6.9	6.2	3,831	3,762	6.6	6.4
Married, spouse present .....	1,911	1,647	4.5	3.8	1,558	1,507	4.9	4.7
Widowed, divorced, or separated .....	677	640	8.8	7.9	785	824	6.7	6.8
Single (never married) .....	2,181	2,053	11.7	11.0	1,487	1,430	10.6	9.9
White, 16 years and over .....	3,580	3,358	6.0	5.6	2,802	2,846	5.8	5.7
Married, spouse present .....	1,544	1,362	4.1	3.6	1,304	1,289	4.6	4.5
Widowed, divorced, or separated .....	520	498	8.1	7.3	614	584	6.5	6.0
Single (never married) .....	1,515	1,498	9.9	9.8	885	973	8.1	8.6
Black, 16 years and over .....	988	781	14.3	11.4	877	763	12.5	10.7
Married, spouse present .....	275	190	8.5	6.0	180	148	7.4	6.1
Widowed, divorced, or separated .....	140	115	13.5	10.9	147	207	7.5	10.3
Single (never married) .....	573	476	21.9	18.3	550	408	20.9	15.3
Total, 25 years and over .....	3,371	3,007	5.8	5.1	2,665	2,629	5.5	5.3
Married, spouse present .....	1,805	1,562	4.4	3.8	1,407	1,349	4.7	4.4
Widowed, divorced, or separated .....	647	613	8.6	7.8	736	746	6.4	6.4
Single (never married) .....	920	832	9.5	8.4	522	534	7.5	7.5
White, 25 years and over .....	2,608	2,370	5.1	4.6	2,017	2,011	4.9	4.8
Married, spouse present .....	1,460	1,285	4.0	3.5	1,181	1,142	4.4	4.2
Widowed, divorced, or separated .....	499	480	8.0	7.3	570	531	6.2	5.7
Single (never married) .....	648	605	8.2	7.6	267	339	5.3	6.6
Black, 25 years and over .....	631	490	11.3	8.7	543	498	9.2	8.4
Married, spouse present .....	260	182	8.2	5.9	162	139	7.0	5.9
Widowed, divorced, or separated .....	131	105	13.0	10.2	145	187	7.5	9.6
Single (never married) .....	241	202	16.8	13.2	235	172	14.1	10.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
Total, 16 years and over .....	8,600	8,101	6.8	6.3	6.9	6.2	6.6	6.4
Managerial and professional specialty .....	1,007	924	3.1	2.7	3.0	2.5	3.2	3.0
Executive, administrative, and managerial .....	585	462	3.8	2.9	3.4	2.5	4.4	3.5
Professional specialty .....	422	462	2.5	2.6	2.6	2.6	2.3	2.6
Technical, sales, and administrative support .....	2,248	2,039	5.8	5.3	5.4	4.4	6.0	5.7
Technicians and related support .....	197	136	4.5	3.4	4.7	2.6	4.4	4.1
Sales occupations .....	968	888	6.5	5.9	5.1	4.6	7.9	7.3
Administrative support, including clerical .....	1,083	1,015	5.6	5.1	6.6	4.9	5.3	5.2
Service occupations .....	1,347	1,353	7.8	7.6	8.3	7.7	7.5	7.5
Private household .....	77	51	8.0	4.9	( <sup>1</sup> )	( <sup>1</sup> )	8.3	4.5
Protective service .....	86	118	4.0	5.4	3.9	5.0	4.9	7.6
Service, except private household and protective .....	1,185	1,185	8.3	8.1	10.0	8.6	7.5	7.9
Precision production, craft, and repair .....	1,046	979	7.2	6.7	7.0	6.7	9.4	6.3
Mechanics and repairers .....	229	245	4.8	5.0	4.7	5.1	6.5	1.8
Construction trades .....	554	516	10.0	9.1	9.9	9.1	16.0	10.3
Other precision production, craft, and repair .....	263	218	6.2	5.3	5.2	4.9	9.3	6.6
Operators, fabricators, and laborers .....	1,836	1,637	9.6	8.6	9.6	8.3	9.7	9.6
Machine operators, assemblers, and inspectors .....	852	696	10.1	8.4	9.6	7.6	10.9	9.7
Transportation and material moving occupations .....	327	354	6.3	6.4	6.5	6.3	3.7	7.9
Handlers, equipment cleaners, helpers, and laborers .....	657	587	12.1	11.1	12.9	11.3	8.2	10.4
Construction laborers .....	163	149	20.8	17.2	20.6	17.7	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	494	438	10.6	9.9	11.3	9.7	7.6	10.5
Farming, forestry, and fishing .....	270	256	7.0	7.1	6.3	6.5	10.8	10.1
No previous work experience .....	785	866	-	-	-	-	-	-
16 to 19 years .....	525	570	-	-	-	-	-	-
20 to 24 years .....	153	156	-	-	-	-	-	-
25 years and over .....	108	141	-	-	-	-	-	-

<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	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
Total, 16 years and over .....	8,600	8,101	6.8	6.3	6.9	6.2	6.6	6.4
Nonagricultural private wage and salary workers .....	6,841	6,226	7.3	6.5	7.4	6.5	7.1	6.6
Mining .....	48	34	6.8	4.7	6.2	3.8	10.0	9.9
Construction .....	755	693	13.1	11.3	12.9	11.6	14.6	8.6
Manufacturing .....	1,625	1,332	7.7	6.5	7.3	5.6	8.7	8.4
Durable goods .....	1,004	796	8.4	6.7	8.5	6.1	8.3	8.2
Lumber and wood products .....	76	56	10.5	7.1	10.2	7.0	12.9	7.3
Furniture and fixtures .....	56	43	8.4	6.5	8.9	5.6	7.3	8.8
Stone, clay, and glass products .....	54	41	9.1	6.9	9.0	5.7	9.7	11.2
Primary metal industries .....	76	45	8.9	6.4	10.3	6.3	1.0	7.0
Fabricated metal products .....	109	107	9.0	7.9	9.2	7.5	8.2	9.2
Machinery and computing equipment .....	187	111	8.1	4.8	8.3	4.5	7.6	5.5
Electrical machinery, equipment, and supplies .....	143	113	7.4	6.3	6.9	6.0	8.1	6.9
Transportation equipment .....	176	184	7.7	7.8	7.5	6.9	8.3	11.0
Automobiles .....	66	56	5.8	4.7	5.5	4.0	6.7	6.7
Other transportation equipment .....	110	128	9.6	11.1	9.4	9.7	10.1	17.2
Professional and photographic equipment .....	63	44	7.9	5.9	9.4	2.9	6.0	9.9
Other durable goods industries .....	64	52	12.2	9.1	9.4	10.1	16.3	8.5
Nondurable goods .....	621	536	6.8	6.3	5.4	4.7	9.0	8.6
Food and kindred products .....	176	116	9.1	6.2	6.7	4.7	14.3	8.9
Textile mill products .....	36	49	4.8	6.9	4.5	6.7	5.1	7.0
Apparel and other textile products .....	110	122	10.0	11.6	8.4	5.3	10.5	14.1
Paper and allied products .....	48	25	6.5	3.3	6.3	2.5	7.2	5.8
Printing and publishing .....	111	88	6.1	5.1	5.0	5.4	7.5	4.8
Chemicals and allied products .....	67	52	4.7	4.2	4.0	2.7	6.3	7.3
Rubber and miscellaneous plastics products .....	48	50	5.4	5.9	4.0	5.1	7.7	7.7
Other nondurable goods industries .....	23	34	6.3	10.0	4.5	9.3	9.7	11.7
Transportation and public utilities .....	345	359	5.1	5.2	5.6	5.2	3.9	5.1
Transportation .....	256	285	6.4	6.8	7.0	6.9	4.5	6.5
Communications and other public utilities .....	88	75	3.3	2.7	3.2	2.1	3.4	3.7
Wholesale and retail trade .....	1,869	1,841	7.7	7.6	7.0	6.7	8.4	8.6
Wholesale trade .....	313	235	6.4	5.3	5.2	4.4	9.2	7.4
Retail trade .....	1,556	1,607	8.0	8.1	7.6	7.4	8.3	8.7
Finance, insurance, and real estate .....	350	277	4.8	3.7	4.3	3.6	5.1	3.8
Service industries .....	1,848	1,690	6.5	5.7	7.0	6.2	6.2	5.4
Professional services .....	696	690	4.1	3.9	3.7	3.1	4.3	4.2
Other service industries .....	1,152	1,000	10.2	8.6	9.8	9.0	10.5	8.1
Agricultural wage and salary workers .....	210	202	11.1	10.7	9.7	10.3	16.8	12.3
Government, self-employed, and unpaid family workers .....	763	807	2.5	2.7	3.0	2.6	2.1	2.7
No previous work experience .....	785	866	-	-	-	-	-	-

**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	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	8,600	8,101	4,143	3,688	3,299	3,190	1,157	1,223	6,382	6,204	1,865	1,544
Job losers .....	4,719	4,225	2,981	2,569	1,521	1,477	217	179	3,599	3,265	923	772
On layoff .....	931	935	638	581	256	316	38	38	743	764	158	134
Other job losers .....	3,788	3,290	2,343	1,988	1,266	1,161	179	141	2,856	2,500	764	637
Job leavers .....	947	1,016	371	400	438	457	138	159	745	811	163	165
Reentrants .....	2,223	2,079	706	629	1,182	1,096	334	354	1,578	1,560	582	440
New entrants .....	712	782	85	90	157	161	469	531	460	569	198	167
<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 .....	54.9	52.1	71.9	69.6	46.1	46.3	18.7	14.6	56.4	52.6	49.5	50.0
On layoff .....	10.8	11.5	15.4	15.8	7.8	9.9	3.3	3.1	11.6	12.3	8.5	8.7
Other job losers .....	44.0	40.6	56.5	53.9	38.4	36.4	15.5	11.5	44.7	40.3	41.0	41.3
Job leavers .....	11.0	12.5	9.0	10.9	13.3	14.3	11.9	13.0	11.7	13.1	8.7	10.7
Reentrants .....	25.8	25.7	17.1	17.1	35.8	34.3	28.8	29.0	24.7	25.1	31.2	28.5
New entrants .....	8.3	9.6	2.1	2.4	4.8	5.0	40.5	43.4	7.2	9.2	10.6	10.8
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	3.7	3.3	4.5	3.9	2.8	2.7	3.4	2.7	3.3	3.0	6.6	5.5
Job leavers .....	.7	.8	.6	.6	.8	.8	2.2	2.4	.7	.7	1.2	1.2
Reentrants .....	1.8	1.6	1.1	.9	2.2	2.0	5.2	5.4	1.5	1.4	4.2	3.2
New entrants .....	.6	.6	.1	.1	.3	.3	7.4	8.1	.4	.5	1.4	1.2



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

(Percent distribution)

Reason, sex, and age	October 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 .....	8,101	100.0	37.2	29.2	33.5	13.7	19.9
Job losers .....	4,225	100.0	29.4	28.5	42.0	15.9	26.2
On layoff .....	935	100.0	51.1	22.7	26.2	13.5	12.7
Other job losers .....	3,290	100.0	23.3	30.2	46.5	16.5	30.0
Job leavers .....	1,016	100.0	47.6	30.7	21.7	10.3	11.4
Reentrants .....	2,079	100.0	43.2	30.1	26.7	12.0	14.7
New entrants .....	782	100.0	50.1	28.8	21.1	10.2	10.8
Men, 20 years and over .....	3,688	100.0	31.5	28.3	40.2	14.7	25.5
Job losers .....	2,569	100.0	28.8	29.2	42.1	15.2	26.8
On layoff .....	581	100.0	51.8	23.0	25.3	13.8	11.5
Other job losers .....	1,988	100.0	22.0	31.0	47.0	15.6	31.3
Job leavers .....	400	100.0	43.4	28.4	28.2	12.3	15.9
Reentrants .....	629	100.0	35.3	24.4	40.4	14.5	25.9
New entrants .....	90	100.0	30.2	30.7	39.1	10.0	29.1
Women, 20 years and over .....	3,190	100.0	36.9	29.6	33.6	14.9	18.7
Job losers .....	1,477	100.0	27.8	26.2	46.0	18.7	27.3
On layoff .....	316	100.0	46.8	22.6	30.6	14.4	16.2
Other job losers .....	1,161	100.0	22.6	27.2	50.2	19.9	30.3
Job leavers .....	457	100.0	47.7	30.7	21.6	10.8	10.8
Reentrants .....	1,096	100.0	43.7	33.1	23.2	12.1	11.1
New entrants .....	161	100.0	42.9	33.9	23.2	9.7	13.5
Both sexes, 16 to 19 years .....	1,223	100.0	55.5	31.1	13.4	7.4	6.0
Job losers .....	179	100.0	53.2	37.8	8.9	1.4	7.5
On layoff .....	38	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	141	100.0	47.0	42.9	10.1	1.2	8.9
Job leavers .....	159	100.0	57.7	36.7	5.6	3.8	1.9
Reentrants .....	354	100.0	55.5	31.3	13.2	7.5	5.7
New entrants .....	531	100.0	55.7	26.9	17.4	10.4	6.9

<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	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
Total, 16 years and over .....	8,600	8,101	100.0	100.0	6,880	6,345	100.0	100.0
Less than 5 weeks .....	3,055	3,016	35.5	37.2	2,197	2,051	31.9	32.3
5 to 14 weeks .....	2,470	2,368	28.7	29.2	1,922	1,839	27.9	29.0
5 to 10 weeks .....	1,842	1,770	21.4	21.9	1,396	1,339	20.3	21.1
11 to 14 weeks .....	628	598	7.3	7.4	526	499	7.6	7.9
15 weeks and over .....	3,075	2,717	35.8	33.5	2,761	2,455	40.1	38.7
15 to 26 weeks .....	1,166	1,106	13.6	13.7	1,023	991	14.9	15.6
27 weeks and over .....	1,909	1,611	22.2	19.9	1,738	1,464	25.3	23.1
27 to 51 weeks .....	821	654	9.5	8.1	748	580	10.9	9.1
52 weeks and over .....	1,088	958	12.7	11.8	990	884	14.4	13.9
Average (mean) duration, in weeks .....	18.7	18.1	-	-	20.5	20.4	-	-
Median duration, in weeks .....	8.5	7.7	-	-	9.8	9.4	-	-

HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
	October 1993										
Total, 16 years and over .....	8,101	3,016	2,368	1,106	1,611	18.1	7.7	35.5	37.2	35.8	33.5
16 to 19 years .....	1,223	679	380	91	73	8.7	4.1	48.8	55.5	17.2	13.4
20 to 24 years .....	1,242	550	422	121	149	13.3	5.5	42.5	44.3	25.8	21.7
25 to 34 years .....	2,121	752	670	295	404	17.0	7.9	36.1	35.5	35.8	33.0
35 to 44 years .....	1,825	563	537	313	413	19.9	10.1	28.5	30.9	42.9	39.7
45 to 54 years .....	1,027	292	221	155	358	28.1	14.5	28.5	28.4	46.8	50.0
55 to 64 years .....	562	149	116	113	184	28.3	16.2	25.2	26.6	51.4	52.8
65 years and over .....	101	30	22	17	31	25.2	13.5	29.0	30.3	50.5	47.9
Men, 16 years and over .....	4,340	1,493	1,263	589	994	20.2	8.4	34.2	34.4	38.6	36.5
16 to 19 years .....	652	332	219	48	52	10.2	4.4	50.2	50.9	17.9	15.4
20 to 24 years .....	681	296	224	62	99	15.0	5.7	41.5	43.4	26.4	23.6
25 to 34 years .....	1,115	343	361	159	251	19.1	8.8	33.4	30.7	38.0	36.8
35 to 44 years .....	953	276	278	150	249	22.0	10.7	28.3	28.9	46.5	41.9
45 to 54 years .....	553	153	112	81	206	31.2	16.1	25.7	27.7	52.7	52.0
55 to 64 years .....	317	73	55	77	112	29.8	19.3	25.3	22.9	55.1	59.7
65 years and over .....	69	21	13	11	23	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,762	1,523	1,105	517	617	15.7	6.9	37.1	40.5	32.3	30.1
16 to 19 years .....	571	347	161	42	21	7.0	3.7	47.2	60.8	16.4	11.1
20 to 24 years .....	561	254	198	60	49	11.4	5.3	43.8	45.3	25.0	19.4
25 to 34 years .....	1,007	410	309	136	152	14.5	6.8	39.4	40.7	33.3	28.7
35 to 44 years .....	872	287	259	162	164	17.6	9.4	28.8	32.9	38.3	37.4
45 to 54 years .....	473	138	109	74	152	24.4	13.5	32.0	29.2	39.4	47.8
55 to 64 years .....	245	77	61	36	72	26.4	12.2	24.8	31.3	45.4	43.9
65 years and over .....	32	9	9	6	7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	6,204	2,362	1,794	837	1,210	17.6	7.4	36.0	38.1	34.9	33.0
Men .....	3,358	1,169	985	442	761	19.8	8.1	35.2	34.8	37.9	35.8
Women .....	2,846	1,193	809	395	449	15.1	6.5	37.0	41.9	31.1	29.7
Black, 16 years and over .....	1,544	518	489	213	325	19.4	8.8	35.3	33.6	38.0	34.8
Men .....	781	240	241	106	193	21.6	9.7	32.1	30.8	40.0	38.3
Women .....	763	278	247	107	131	17.2	7.9	38.9	36.4	35.7	31.2
Men, 16 years and over:											
Married, spouse present .....	1,647	463	423	293	468	23.7	12.2	30.4	28.1	45.1	46.2
Widowed, divorced, or separated .....	640	198	181	75	186	23.7	9.9	34.4	30.9	44.0	40.8
Single (never married) .....	2,053	832	659	221	341	16.2	6.0	37.6	40.5	31.1	27.3
Women, 16 years and over:											
Married, spouse present .....	1,507	602	436	200	270	16.4	7.5	34.6	39.9	34.0	31.2
Widowed, divorced, or separated .....	824	281	228	130	185	19.8	9.5	34.1	34.1	39.5	38.3
Single (never married) .....	1,430	640	441	187	162	12.7	5.6	41.4	44.8	26.7	24.4

<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	
								Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
	October 1993										
<b>OCCUPATION</b>											
Managerial and professional specialty .....	924	271	257	191	205	21.0	11.0	24.0	29.3	47.1	42.9
Technical, sales, and administrative support .....	2,039	680	615	294	450	18.9	8.9	32.5	33.3	36.9	36.5
Service occupations .....	1,353	557	409	152	236	16.4	6.5	44.8	41.2	29.1	28.6
Precision production, craft, and repair .....	979	347	261	138	233	20.9	8.7	33.5	35.4	42.4	38.0
Operators, fabricators, and laborers .....	1,637	614	458	214	352	19.0	7.9	36.9	37.5	35.0	34.5
Farming, forestry, and fishing .....	256	107	85	26	37	14.2	5.7	48.1	41.8	23.0	25.0
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	202	91	64	22	25	14.3	5.1	47.1	45.0	22.4	23.3
Construction .....	707	299	194	73	140	17.1	6.0	36.4	42.3	36.2	30.3
Manufacturing .....	1,338	433	334	225	346	21.4	10.4	31.3	32.4	42.0	42.7
Durable goods .....	803	257	183	164	200	21.2	10.9	29.3	32.0	45.0	45.3
Nondurable goods .....	535	177	151	61	146	21.6	9.8	34.5	33.1	37.0	38.9
Transportation and public utilities .....	419	123	104	88	105	22.9	13.0	33.2	29.4	45.7	45.8
Wholesale and retail trade .....	1,851	758	564	202	328	15.9	6.7	37.9	41.0	30.8	28.6
Finance and service industries .....	2,246	716	723	337	471	19.4	8.8	34.6	31.9	37.3	35.9
Public administration .....	189	56	52	34	47	22.9	11.7	34.7	29.6	40.7	42.9
No previous work experience .....	866	433	261	85	87	12.3	4.5	39.2	50.0	27.1	19.9

<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	October 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 .....	8,101	7,085	22.0	8.5	73.8	41.3	21.3	5.7	1.73
16 to 19 years .....	1,223	1,169	10.1	3.3	80.6	29.6	14.5	4.7	1.43
20 to 24 years .....	1,242	1,132	22.7	6.5	75.8	36.7	16.5	5.4	1.64
25 to 34 years .....	2,121	1,866	25.2	11.1	71.0	47.5	22.0	5.3	1.82
35 to 44 years .....	1,825	1,532	26.8	9.5	72.3	43.3	26.9	5.9	1.85
45 to 54 years .....	1,027	838	22.0	9.7	72.4	44.0	23.9	7.2	1.79
55 to 64 years .....	562	462	23.6	11.8	73.2	47.0	23.8	8.2	1.88
65 years and over .....	101	87	13.2	1.9	58.2	33.6	19.2	.3	1.26
Men, 16 years and over .....	4,340	3,684	24.1	8.4	74.6	40.9	24.2	6.2	1.78
16 to 19 years .....	652	621	8.8	2.7	83.4	25.7	16.4	4.5	1.41
20 to 24 years .....	681	612	25.6	5.9	74.4	39.0	18.8	3.5	1.67
25 to 34 years .....	1,115	936	28.4	11.5	71.6	49.7	27.0	7.7	1.96
35 to 44 years .....	953	768	31.5	9.3	75.3	42.8	29.7	5.5	1.94
45 to 54 years .....	553	432	24.4	11.2	73.7	40.5	27.0	8.5	1.85
55 to 64 years .....	317	258	23.4	10.6	67.2	46.1	24.1	10.9	1.82
65 years and over .....	69	58	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,762	3,401	19.9	8.7	72.9	41.8	18.1	5.2	1.67
16 to 19 years .....	571	549	11.6	4.0	77.4	34.1	12.2	5.0	1.44
20 to 24 years .....	561	520	19.4	7.3	77.5	34.0	13.8	7.7	1.60
25 to 34 years .....	1,007	929	22.0	10.6	70.4	45.3	17.0	2.9	1.68
35 to 44 years .....	872	764	22.1	9.8	69.3	43.7	24.1	6.4	1.75
45 to 54 years .....	473	406	19.5	8.3	70.9	47.8	20.7	5.9	1.73
55 to 64 years .....	245	204	23.9	13.2	80.8	48.1	23.4	4.8	1.94
65 years and over .....	32	29	( <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 .....	6,204	5,363	21.0	8.4	74.9	42.0	21.3	6.2	1.74
Men .....	3,358	2,808	24.0	8.4	75.1	42.6	24.3	6.7	1.81
Women .....	2,846	2,555	17.8	8.5	74.6	41.4	18.0	5.7	1.66
Black, 16 years and over .....	1,544	1,407	26.8	8.7	70.0	37.5	20.4	3.4	1.67
Men .....	781	704	26.2	9.1	73.3	34.0	22.1	3.3	1.68
Women .....	763	704	27.3	8.3	66.8	41.1	18.7	3.4	1.66

<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	October 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 .....	8,101	7,085	22.0	8.5	73.8	41.3	21.3	5.7	1.73
Job losers <sup>1</sup> .....	4,225	3,262	28.4	12.0	74.9	46.9	26.8	4.1	1.93
Job leavers .....	1,016	1,002	22.9	7.4	75.9	42.1	13.6	4.9	1.67
Reentrants .....	2,079	2,043	14.9	5.3	70.4	35.6	18.0	9.0	1.53
New entrants .....	782	778	13.0	3.8	75.2	31.4	16.5	4.9	1.45
Men, 16 years and over .....	4,340	3,684	24.1	8.4	74.6	40.9	24.2	6.2	1.78
Job losers <sup>1</sup> .....	2,698	2,068	28.0	11.1	75.1	44.9	28.1	4.8	1.92
Job leavers .....	482	473	26.2	7.0	78.1	41.6	13.4	4.7	1.71
Reentrants .....	784	767	17.1	4.3	71.2	34.9	22.6	11.0	1.61
New entrants .....	376	376	14.0	3.4	74.4	30.0	19.1	5.8	1.47
Women, 16 years and over .....	3,762	3,401	19.9	8.7	72.9	41.8	18.1	5.2	1.67
Job losers <sup>1</sup> .....	1,526	1,194	29.0	13.5	74.6	50.5	24.5	2.9	1.95
Job leavers .....	534	530	20.0	7.8	73.9	42.6	13.7	5.0	1.63
Reentrants .....	1,295	1,275	13.6	5.9	70.0	36.1	15.3	7.8	1.49
New entrants .....	406	402	12.1	4.2	76.1	32.8	14.1	4.2	1.43

<sup>1</sup> Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.  
NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within

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

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

(In thousands)

Industry and age	Total		Men		Women	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
All industries .....	118,246	120,446	64,255	65,318	53,991	55,128
16 to 19 years .....	5,202	5,303	2,740	2,701	2,463	2,602
16 to 17 years .....	1,922	2,046	1,007	1,039	916	1,007
18 to 19 years .....	3,280	3,257	1,733	1,662	1,547	1,595
20 to 24 years .....	12,059	12,108	6,390	6,391	5,669	5,717
25 to 54 years .....	86,279	88,146	46,907	47,890	39,372	40,256
25 to 34 years .....	32,472	32,291	17,932	17,827	14,540	14,464
35 to 44 years .....	32,059	32,810	17,255	17,734	14,804	15,076
45 to 54 years .....	21,749	23,045	11,720	12,329	10,028	10,716
55 to 64 years .....	11,243	11,313	6,237	6,285	5,006	5,027
55 to 59 years .....	6,779	6,891	3,748	3,781	3,031	3,110
60 to 64 years .....	4,464	4,422	2,489	2,504	1,975	1,918
65 years and over .....	3,463	3,576	1,981	2,051	1,482	1,525
Agriculture .....	3,249	3,071	2,630	2,430	618	641
16 to 19 years .....	174	158	151	124	24	34
16 to 17 years .....	70	77	64	61	6	16
18 to 19 years .....	104	81	87	63	17	18
20 to 24 years .....	355	298	298	241	57	57
25 to 54 years .....	1,970	1,908	1,560	1,474	410	434
25 to 34 years .....	778	754	613	590	164	163
35 to 44 years .....	695	717	559	562	136	155
45 to 54 years .....	497	436	387	321	110	115
55 to 64 years .....	425	376	341	305	84	71
55 to 59 years .....	211	193	160	152	50	41
60 to 64 years .....	214	183	181	154	33	30
65 years and over .....	325	331	281	286	44	46
Nonagricultural industries .....	114,998	117,375	61,624	62,888	53,373	54,487
16 to 19 years .....	5,028	5,145	2,589	2,577	2,439	2,568
16 to 17 years .....	1,852	1,969	943	978	909	991
18 to 19 years .....	3,176	3,176	1,646	1,599	1,530	1,577
20 to 24 years .....	11,704	11,810	6,092	6,149	5,612	5,661
25 to 54 years .....	84,310	86,238	45,347	46,416	38,962	39,823
25 to 34 years .....	31,694	31,537	17,319	17,237	14,375	14,301
35 to 44 years .....	31,364	32,092	16,695	17,172	14,669	14,921
45 to 54 years .....	21,251	22,608	11,333	12,007	9,918	10,601
55 to 64 years .....	10,818	10,937	5,895	5,980	4,922	4,956
55 to 59 years .....	6,568	6,698	3,587	3,630	2,981	3,068
60 to 64 years .....	4,250	4,239	2,308	2,351	1,941	1,888
65 years and over .....	3,139	3,245	1,701	1,766	1,438	1,479

**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	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
Total .....	118,246	120,446	64,255	65,318	61,515	62,617	53,991	55,128	51,529	52,526
Managerial and professional specialty .....	31,482	32,809	16,439	17,102	16,370	16,998	15,044	15,707	14,951	15,605
Executive, administrative, and managerial .....	14,688	15,500	8,516	9,102	8,491	9,056	6,172	6,398	6,155	6,372
Officials and administrators, public administration .....	654	668	371	373	371	373	283	295	283	295
Other executive, administrative, and managerial .....	10,084	10,763	6,260	6,764	6,235	6,727	3,824	3,999	3,811	3,975
Management-related occupations .....	3,950	4,069	1,885	1,964	1,885	1,955	2,065	2,104	2,061	2,102
Professional specialty .....	16,794	17,309	7,923	8,000	7,879	7,942	8,871	9,309	8,796	9,233
Engineers .....	1,731	1,773	1,607	1,602	1,605	1,597	124	170	124	170
Mathematical and computer scientists .....	1,012	1,045	684	702	684	703	328	343	327	343
Natural scientists .....	477	562	335	378	336	378	142	184	142	184
Health diagnosing occupations .....	912	851	715	659	715	659	197	192	197	192
Health assessment and treating occupations .....	2,605	2,745	368	357	357	357	2,236	2,388	2,232	2,389
Teachers, college and university .....	734	860	385	473	378	466	349	387	340	381
Teachers, except college and university .....	4,489	4,520	1,141	1,129	1,141	1,120	3,348	3,392	3,316	3,347
Lawyers and judges .....	806	816	638	640	638	639	168	176	167	176
Other professional specialty occupations .....	4,028	4,137	2,050	2,060	2,024	2,023	1,978	2,077	1,950	2,052
Technical, sales, and administrative support .....	36,415	36,776	13,101	13,244	12,508	12,656	23,314	23,532	22,023	22,256
Technicians and related support .....	4,129	3,913	2,075	1,926	2,047	1,907	2,054	1,987	2,029	1,959
Health technologists and technicians .....	1,514	1,578	246	286	240	286	1,268	1,292	1,254	1,285
Engineering and science technicians .....	1,069	1,144	877	920	857	907	192	225	186	208
Technicians, except health, engineering, and science .....	1,546	1,191	953	720	950	714	593	470	590	466
Sales occupations .....	14,023	14,112	7,266	7,276	6,890	6,909	6,756	6,836	5,916	6,010
Supervisors and proprietors .....	3,897	3,937	2,524	2,454	2,511	2,439	1,373	1,482	1,353	1,468
Sales representatives, finance and business services .....	2,303	2,385	1,352	1,428	1,330	1,414	951	957	946	948
Sales representatives, commodities, except retail .....	1,735	1,531	1,351	1,217	1,332	1,214	384	314	379	307
Sales workers, retail and personal services .....	5,991	6,183	2,013	2,134	1,690	1,801	3,978	4,049	3,174	3,253
Sales-related occupations .....	96	78	27	43	27	40	70	34	64	35
Administrative support, including clerical .....	18,263	18,751	3,759	4,043	3,572	3,841	14,504	14,708	14,078	14,287
Supervisors .....	762	895	324	359	324	360	437	536	434	536
Computer equipment operators .....	656	516	223	185	212	176	432	332	421	320
Secretaries, stenographers, and typists .....	4,183	4,030	67	90	65	88	4,116	3,939	4,031	3,864
Financial records processing .....	2,279	2,293	204	223	200	216	2,075	2,070	2,063	2,046
Mail and message distributing .....	932	940	563	569	529	548	369	371	363	357
Other administrative support, including clerical .....	9,452	10,076	2,378	2,616	2,241	2,453	7,075	7,460	6,767	7,164
Service occupations .....	15,945	16,409	6,331	6,569	5,496	5,766	9,613	9,839	8,735	8,845
Private household .....	883	983	27	41	17	33	856	942	751	811
Protective service .....	2,054	2,049	1,763	1,725	1,733	1,706	291	324	277	310
Service, except private household and protective .....	13,008	13,377	4,541	4,803	3,746	4,026	8,467	8,574	7,707	7,724
Food service .....	5,475	5,663	2,204	2,364	1,596	1,755	3,271	3,298	2,747	2,701
Health service .....	2,109	2,246	264	286	238	263	1,846	1,960	1,787	1,891
Cleaning and building service .....	2,876	2,884	1,643	1,659	1,540	1,560	1,233	1,225	1,178	1,162
Personal service .....	2,547	2,583	430	493	373	448	2,117	2,091	1,995	1,970
Precision production, craft, and repair .....	13,539	13,720	12,367	12,552	12,160	12,338	1,172	1,168	1,138	1,144
Mechanics and repairers .....	4,545	4,621	4,375	4,474	4,294	4,372	170	148	161	143
Construction trades .....	4,992	5,165	4,914	5,059	4,834	4,981	78	106	75	105
Other precision production, craft, and repair .....	4,002	3,934	3,078	3,020	3,032	2,985	924	914	902	896
Operators, fabricators, and laborers .....	17,253	17,372	12,922	12,988	12,086	12,154	4,331	4,385	4,181	4,200
Machine operators, assemblers, and inspectors .....	7,574	7,541	4,581	4,598	4,433	4,453	2,993	2,943	2,929	2,883
Manufacturing industries .....	6,094	6,117	3,591	3,708	3,481	3,597	2,503	2,409	2,457	2,366
Durable goods .....	3,218	3,394	2,197	2,384	2,148	2,307	1,021	1,010	1,006	986
Nondurable goods .....	2,876	2,723	1,393	1,324	1,333	1,290	1,482	1,399	1,451	1,380
Nonmanufacturing industries .....	1,480	1,424	990	890	952	856	490	534	472	517
Transportation and material moving occupations .....	4,886	5,143	4,451	4,625	4,359	4,543	435	518	424	505
Motor vehicle operators .....	3,684	3,940	3,289	3,470	3,215	3,401	395	470	385	458
Other transportation and material moving occupations .....	1,201	1,203	1,162	1,155	1,144	1,142	39	48	39	47
Handlers, equipment cleaners, helpers, and laborers .....	4,794	4,688	3,891	3,764	3,294	3,159	903	924	828	813
Construction laborers .....	620	716	601	678	574	628	20	38	19	34
Other handlers, equipment cleaners, helpers, and laborers .....	4,174	3,972	3,290	3,085	2,721	2,531	884	886	809	778
Farming, forestry, and fishing .....	3,612	3,360	3,095	2,862	2,895	2,705	517	499	501	476
Farm operators and managers .....	1,262	1,154	1,078	1,015	1,076	1,004	183	140	183	140
Other farming, forestry, and fishing occupations .....	2,350	2,206	2,016	1,847	1,819	1,701	333	359	318	337

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	118,246	120,446	64,255	65,318	53,991	55,128
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	26.6	27.2	25.6	26.2	27.9	28.5
Executive, administrative, and managerial .....	12.4	12.9	13.3	13.9	11.4	11.6
Professional specialty .....	14.2	14.4	12.3	12.2	16.4	16.9
Technical, sales, and administrative support .....	30.8	30.5	20.4	20.3	43.2	42.7
Technicians and related support .....	3.5	3.2	3.2	2.9	3.8	3.6
Sales occupations .....	11.9	11.7	11.3	11.1	12.5	12.4
Administrative support, including clerical .....	15.4	15.6	5.9	6.2	26.9	26.7
Service occupations .....	13.5	13.6	9.9	10.1	17.8	17.8
Private household .....	.7	.8	-	.1	1.6	1.7
Protective service .....	1.7	1.7	2.7	2.6	.5	.6
Service, except private household and protective .....	11.0	11.1	7.1	7.4	15.7	15.6
Precision production, craft, and repair .....	11.5	11.4	19.2	19.2	2.2	2.1
Operators, fabricators, and laborers .....	14.6	14.4	20.1	19.9	8.0	8.0
Machine operators, assemblers, and inspectors .....	6.4	6.3	7.1	7.0	5.5	5.3
Transportation and material moving occupations .....	4.1	4.3	6.9	7.1	.8	.9
Handlers, equipment cleaners, helpers, and laborers .....	4.1	3.9	6.1	5.8	1.7	1.7
Farming, forestry, and fishing .....	3.1	2.8	4.8	4.4	1.0	.9
<b>White</b>						
Total, 16 years and over (thousands) .....	101,965	103,673	56,071	56,880	45,895	46,793
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	27.6	28.3	26.6	27.2	28.9	29.5
Executive, administrative, and managerial .....	13.1	13.5	14.0	14.6	12.0	12.2
Professional specialty .....	14.5	14.8	12.6	12.7	16.8	17.3
Technical, sales, and administrative support .....	31.2	30.9	20.6	20.4	44.1	43.6
Technicians and related support .....	3.4	3.2	3.2	2.9	3.7	3.6
Sales occupations .....	12.4	12.2	11.9	11.7	13.0	12.8
Administrative support, including clerical .....	15.4	15.5	5.5	5.9	27.5	27.2
Service occupations .....	12.3	12.4	8.8	8.9	16.5	16.6
Private household .....	.7	.8	-	.1	1.5	1.6
Protective service .....	1.6	1.6	2.6	2.5	.5	.5
Service, except private household and protective .....	10.0	10.0	6.2	6.4	14.6	14.5
Precision production, craft, and repair .....	11.9	11.8	19.9	19.9	2.0	1.9
Operators, fabricators, and laborers .....	13.8	13.7	19.1	18.9	7.4	7.3
Machine operators, assemblers, and inspectors .....	6.1	5.9	7.0	6.8	5.0	4.8
Transportation and material moving occupations .....	4.1	4.2	6.7	6.9	.8	.9
Handlers, equipment cleaners, helpers, and laborers .....	3.7	3.6	5.4	5.3	1.6	1.6
Farming, forestry, and fishing .....	3.2	3.0	4.9	4.5	1.1	1.0
<b>Black</b>						
Total, 16 years and over (thousands) .....	12,060	12,384	5,898	6,043	6,162	6,341
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	17.4	17.3	13.9	14.2	20.8	20.2
Executive, administrative, and managerial .....	7.3	7.7	6.8	7.9	7.7	7.5
Professional specialty .....	10.1	9.6	7.1	6.4	13.1	12.8
Technical, sales, and administrative support .....	26.9	28.1	16.4	17.8	36.9	37.8
Technicians and related support .....	3.5	3.4	2.8	2.9	4.1	3.8
Sales occupations .....	7.2	8.0	5.2	6.5	9.1	9.5
Administrative support, including clerical .....	16.2	16.7	8.4	8.4	23.7	24.6
Service occupations .....	23.3	23.1	18.5	18.9	27.9	27.2
Private household .....	1.3	1.2	.1	-	2.6	2.4
Protective service .....	3.0	2.8	5.1	4.5	1.1	1.1
Service, except private household and protective .....	18.9	19.1	13.4	14.3	24.2	23.7
Precision production, craft, and repair .....	8.8	8.8	15.3	15.0	2.5	2.8
Operators, fabricators, and laborers .....	21.3	21.0	31.4	30.8	11.6	11.7
Machine operators, assemblers, and inspectors .....	8.9	9.1	8.9	10.1	8.9	8.1
Transportation and material moving occupations .....	5.5	5.5	10.3	10.1	.9	1.2
Handlers, equipment cleaners, helpers, and laborers .....	6.9	6.4	12.2	10.6	1.8	2.4
Farming, forestry, and fishing .....	2.3	1.8	4.5	3.3	.2	.3

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	October 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 .....	108,028	1,208	18,836	87,984	9,120	227	1,678	1,297	96
16 to 19 years .....	5,064	165	228	4,672	73	9	114	32	11
16 to 17 years .....	1,942	100	55	1,787	23	4	51	19	7
18 to 19 years .....	3,122	64	172	2,885	49	5	64	14	4
20 to 24 years .....	11,552	149	1,084	10,320	251	6	254	41	3
25 to 34 years .....	29,626	207	4,110	25,308	1,875	36	535	206	13
35 to 44 years .....	29,331	203	5,986	23,142	2,712	50	376	324	17
45 to 54 years .....	20,317	198	4,929	15,190	2,223	69	196	226	15
55 to 64 years .....	9,508	177	2,044	7,287	1,384	45	119	241	16
55 to 59 years .....	5,856	82	1,282	4,492	818	24	62	124	7
60 to 64 years .....	3,652	95	762	2,795	566	21	57	117	9
65 years and over .....	2,631	109	456	2,066	603	12	85	226	21
Men, 16 years and over .....	56,851	151	8,447	48,252	5,994	43	1,287	1,111	32
16 to 19 years .....	2,524	32	106	2,387	48	5	84	29	10
16 to 17 years .....	957	26	22	909	17	4	37	18	6
18 to 19 years .....	1,568	6	84	1,478	30	1	48	11	4
20 to 24 years .....	6,001	24	481	5,495	146	2	199	40	3
25 to 34 years .....	16,072	29	1,892	14,151	1,156	9	414	171	5
35 to 44 years .....	15,374	18	2,552	12,804	1,792	6	280	283	-
45 to 54 years .....	10,519	22	2,241	8,257	1,482	6	144	178	-
55 to 64 years .....	5,029	12	969	4,049	943	8	95	206	4
55 to 59 years .....	3,092	6	566	2,519	533	5	49	103	-
60 to 64 years .....	1,937	6	402	1,529	410	4	46	104	4
65 years and over .....	1,332	14	207	1,111	427	7	72	204	10
Women, 16 years and over .....	51,177	1,057	10,389	39,731	3,126	184	392	186	64
16 to 19 years .....	2,540	133	122	2,285	25	4	30	3	1
16 to 17 years .....	985	74	33	878	6	-	14	1	1
18 to 19 years .....	1,554	58	89	1,407	19	4	16	2	-
20 to 24 years .....	5,551	124	602	4,825	105	4	55	1	-
25 to 34 years .....	13,554	178	2,219	11,157	719	28	120	35	8
35 to 44 years .....	13,957	186	3,434	10,338	920	44	97	41	18
45 to 54 years .....	9,798	177	2,688	6,933	741	62	52	48	15
55 to 64 years .....	4,478	165	1,075	3,238	441	37	24	34	12
55 to 59 years .....	2,764	76	715	1,973	285	20	13	21	7
60 to 64 years .....	1,714	89	360	1,266	156	17	11	13	5
65 years and over .....	1,299	95	249	955	176	4	13	23	10



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	October 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 .....	3,071	93	96	40	13	111	-	11	34	9	65	15	2,584
Mining .....	697	104	79	16	4	73	-	7	238	25	123	26	-
Construction .....	7,570	972	134	57	66	420	-	41	4,440	77	527	800	37
Manufacturing .....	19,684	2,441	1,689	585	701	2,140	-	307	3,925	6,117	739	923	116
Durable goods .....	11,479	1,411	1,109	378	277	1,174	-	132	2,712	3,394	371	416	105
Nondurable goods .....	8,205	1,030	580	207	424	966	-	176	1,213	2,723	368	507	11
Transportation and public utilities .....	8,556	1,006	499	333	272	2,304	-	243	1,274	135	1,999	472	19
Wholesale and retail trade .....	24,558	2,192	400	164	10,132	2,258	-	4,750	1,327	304	1,022	1,933	76
Wholesale trade .....	4,549	536	63	36	1,871	701	-	29	275	109	487	386	56
Retail trade .....	20,009	1,656	337	128	8,261	1,557	-	4,722	1,051	195	535	1,547	20
Finance, insurance, and real estate .....	8,010	2,078	225	167	1,951	3,001	-	253	209	31	23	6	68
Services .....	42,421	5,279	13,331	2,285	949	6,847	983	8,413	2,042	810	596	462	424
Private households .....	1,211	3	17	2	4	10	983	91	8	9	3	28	53
Other service industries .....	41,210	5,276	13,314	2,283	945	6,837	-	8,323	2,034	801	593	434	372
Professional services .....	28,938	3,334	11,914	1,956	197	5,164	-	5,207	395	236	360	86	89
Public administration .....	5,879	1,336	856	266	24	1,596	-	1,400	230	34	49	51	36

<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					
	Oct. 1992	Oct. 1993	Total		Wage and salary workers <sup>1</sup>			
			Oct. 1992	Oct. 1993	Paid absences		Unpaid absences	
					Oct. 1992	Oct. 1993	Oct. 1992	Oct. 1993
Total, 16 years and over .....	4,705	4,969	4,603	4,882	2,438	2,577	1,611	1,786
Vacation .....	2,162	2,456	2,119	2,423	1,579	1,707	348	492
Illness .....	1,282	1,231	1,246	1,212	572	500	584	620
Bad weather .....	16	40	11	32	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	22	29	22	29	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	1,224	1,213	1,205	1,185	286	369	679	673
Men, 16 years and over .....	2,326	2,375	2,250	2,313	1,241	1,270	682	733
Vacation .....	1,202	1,303	1,170	1,278	873	922	183	236
Illness .....	573	548	546	535	255	220	248	256
All other reasons <sup>3</sup> .....	550	524	534	501	113	128	252	241
Women, 16 years and over .....	2,379	2,594	2,353	2,569	1,197	1,306	929	1,052
Vacation .....	960	1,153	949	1,145	707	785	165	255
Illness .....	708	683	700	678	317	281	336	364
All other reasons <sup>3</sup> .....	712	758	704	746	173	241	428	432

<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	October 1993					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	115,477	2,984	112,493	100.0	100.0	100.0
1 to 34 hours .....	30,686	791	29,895	26.6	26.5	26.6
1 to 4 hours .....	777	60	716	.7	2.0	.6
5 to 14 hours .....	4,805	136	4,669	4.2	4.6	4.2
15 to 29 hours .....	14,270	363	13,907	12.4	12.2	12.4
30 to 34 hours .....	10,834	231	10,603	9.4	7.7	9.4
35 hours and over .....	84,791	2,193	82,598	73.4	73.5	73.4
35 to 39 hours .....	7,064	129	6,934	6.1	4.3	6.2
40 hours .....	41,729	629	41,099	36.1	21.1	36.5
41 hours and over .....	35,998	1,434	34,564	31.2	48.1	30.7
41 to 48 hours .....	11,906	244	11,662	10.3	8.2	10.4
49 to 59 hours .....	13,874	430	13,444	12.0	14.4	12.0
60 hours and over .....	10,219	760	9,459	8.8	25.5	8.4
Average hours, total at work .....	39.4	44.8	39.3	-	-	-
Average hours, workers on full-time schedules .....	43.9	52.0	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	October 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 .....	30,686	10,498	20,188	29,895	10,283	19,612
Economic reasons .....	5,817	1,722	4,095	5,575	1,643	3,932
Slack work .....	2,885	1,464	1,421	2,724	1,384	1,340
Material shortages or repairs to plant and equipment .....	53	53	-	53	53	-
New job started during week .....	146	146	-	147	147	-
Job terminated during week .....	60	60	-	59	59	-
Could find only part-time work .....	2,674	-	2,674	2,591	-	2,591
Other reasons .....	24,869	8,776	16,093	24,321	8,640	15,681
Does not want, or unavailable for, full-time work .....	13,083	-	13,083	12,755	-	12,755
Vacation .....	1,739	1,739	-	1,730	1,730	-
Illness .....	1,525	1,352	173	1,496	1,331	165
Bad weather .....	242	242	-	192	192	-
Industrial dispute .....	5	5	-	5	5	-
Legal or religious holiday .....	3,835	3,835	-	3,827	3,827	-
Full time for this job .....	1,779	-	1,779	1,758	-	1,758
All other reasons .....	2,661	1,603	1,058	2,558	1,555	1,003
Average hours:						
Economic reasons .....	22.4	24.6	21.4	22.4	24.5	21.5
Other reasons .....	22.4	28.0	19.4	22.5	28.0	19.5
Worked 30 to 34 hours:						
Economic reasons .....	1,875	787	1,088	1,786	742	1,044
Other reasons .....	8,959	5,891	3,068	8,818	5,820	2,998

**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	October 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 .....	112,493	5,575	15,681	91,237	56,673	11,662	22,902	39.3	43.7
Wage and salary workers .....	103,615	4,844	14,033	84,737	53,747	11,039	19,952	39.2	43.4
Mining .....	628	2	9	617	275	86	256	48.8	49.2
Construction .....	5,741	397	205	5,139	3,228	590	1,321	41.3	43.7
Manufacturing .....	18,450	445	616	17,389	10,340	2,861	4,188	42.7	44.0
Durable goods .....	10,776	189	262	10,325	5,970	1,709	2,645	43.3	44.2
Nondurable goods .....	7,674	256	354	7,064	4,370	1,152	1,543	42.0	43.7
Transportation and public utilities .....	7,730	217	456	7,056	4,278	881	1,897	42.3	44.3
Wholesale and retail trade .....	21,806	1,621	5,086	15,099	8,821	2,147	4,131	37.0	44.3
Finance, insurance, and real estate .....	7,030	130	644	6,256	4,332	730	1,194	39.5	41.8
Service industries .....	36,640	1,961	6,747	27,932	18,536	3,229	6,167	37.4	43.0
Private households .....	1,169	242	497	430	277	38	115	26.4	45.3
All other industries .....	35,471	1,719	6,250	27,502	18,259	3,191	6,052	37.8	42.9
Public administration .....	5,591	71	271	5,249	3,937	514	798	39.2	40.5
Self-employed workers .....	8,651	725	1,542	6,384	2,873	615	2,896	40.6	48.2
Unpaid family workers .....	227	5	105	116	53	9	54	36.2	49.5

**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	October 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 .....	112,493	5,575	15,681	91,237	56,673	34,564	39.3	43.7
16 to 19 years .....	5,037	438	3,250	1,349	1,035	314	23.2	40.7
16 to 17 years .....	1,924	60	1,727	137	116	21	16.4	37.0
18 to 19 years .....	3,113	378	1,523	1,212	919	293	27.5	41.1
20 years and over .....	107,456	5,137	12,431	89,889	55,639	34,250	40.0	43.8
20 to 24 years .....	11,448	915	2,490	8,044	5,530	2,513	35.8	42.3
25 years and over .....	96,008	4,222	9,941	81,845	50,108	31,737	40.5	43.9
25 to 44 years .....	61,286	2,748	5,397	53,141	32,112	21,029	41.1	44.0
45 to 64 years .....	31,751	1,305	3,065	27,381	17,074	10,307	40.6	43.7
65 years and over .....	2,972	170	1,479	1,323	923	401	28.7	42.0
<b>Men, 16 years and over</b> .....	60,575	2,645	4,878	53,052	29,118	23,934	42.2	45.3
16 to 19 years .....	2,527	230	1,501	795	602	194	24.5	41.1
16 to 17 years .....	957	35	849	73	62	11	16.8	( <sup>1</sup> )
18 to 19 years .....	1,570	196	653	722	539	183	29.2	41.5
20 years and over .....	58,048	2,415	3,377	52,257	28,516	23,740	42.9	45.4
20 to 24 years .....	6,018	481	1,106	4,431	2,771	1,660	37.5	43.7
25 years and over .....	52,031	1,934	2,270	47,826	25,746	22,080	43.6	45.6
25 to 44 years .....	33,354	1,296	849	31,209	16,395	14,814	44.3	45.8
45 to 64 years .....	17,052	543	701	15,808	8,794	7,014	43.4	45.2
65 years and over .....	1,625	94	721	810	558	252	30.3	42.4
<b>Women, 16 years and over</b> .....	51,918	2,930	10,803	38,185	27,555	10,630	35.9	41.4
16 to 19 years .....	2,510	208	1,749	553	433	120	21.9	40.1
16 to 17 years .....	968	26	878	64	53	10	16.0	36.7
18 to 19 years .....	1,542	182	870	490	380	110	25.7	40.5
20 years and over .....	49,408	2,722	9,054	37,632	27,122	10,510	36.6	41.5
20 to 24 years .....	5,430	434	1,383	3,613	2,760	853	33.9	40.7
25 years and over .....	43,978	2,288	7,671	34,019	24,363	9,656	36.9	41.5
25 to 44 years .....	27,932	1,450	4,547	21,935	15,719	6,216	37.2	41.5
45 to 64 years .....	14,698	761	2,364	11,573	8,281	3,292	37.3	41.7
65 years and over .....	1,347	76	758	513	365	148	26.7	41.3
<b>RACE</b>								
White, 16 years and over .....	96,534	4,517	14,037	77,981	46,823	31,158	39.4	44.0
Men .....	52,571	2,112	4,291	46,168	24,360	21,808	42.5	45.6
Women .....	43,963	2,405	9,745	31,813	22,462	9,350	35.7	41.5
Black, 16 years and over .....	11,798	815	1,100	9,882	7,533	2,350	38.4	41.7
Men .....	5,744	413	376	4,955	3,514	1,441	39.8	42.8
Women .....	6,053	402	724	4,928	4,019	909	37.1	40.7
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	37,987	1,106	1,503	35,378	18,515	16,864	44.1	45.8
Widowed, divorced, or separated .....	7,008	363	342	6,303	3,440	2,863	43.1	45.6
Single (never married) .....	15,580	1,176	3,034	11,371	7,163	4,207	37.2	43.8
Women, 16 years and over:								
Married, spouse present .....	28,836	1,384	6,028	21,424	15,739	5,685	36.0	41.1
Widowed, divorced, or separated .....	10,626	723	1,375	8,528	5,779	2,749	38.2	42.4
Single (never married) .....	12,456	824	3,399	8,233	6,037	2,196	33.7	41.4

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

**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	October 1993								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over <sup>1</sup>	112,232	5,507	15,650	91,075	56,441	11,701	22,934	39.3	43.7
Managerial and professional specialty	31,492	666	3,091	27,735	15,168	3,513	9,054	41.9	44.9
Executive, administrative, and managerial	14,843	246	828	13,769	7,022	1,708	5,040	44.0	45.7
Professional specialty	16,649	420	2,263	13,965	8,146	1,806	4,014	40.1	44.1
Technical, sales, and administrative support	35,209	1,506	6,186	27,517	18,283	3,419	5,816	37.7	42.6
Technicians and related support	3,700	96	459	3,144	2,119	459	566	38.9	42.2
Sales occupations	13,539	776	2,761	10,002	5,101	1,299	3,602	39.2	45.9
Administrative support, including clerical	17,970	634	2,965	14,371	11,063	1,660	1,647	36.4	40.4
Service occupations	15,715	1,564	4,429	9,722	7,074	948	1,700	33.8	42.6
Private household	950	175	427	347	228	27	92	26.4	45.1
Protective service	1,948	61	163	1,724	1,069	211	444	41.7	44.8
Service, except private household and protective	12,817	1,327	3,839	7,651	5,777	709	1,165	33.2	42.0
Precision production, craft, and repair	13,161	740	394	12,026	7,318	1,674	3,034	42.1	44.0
Operators, fabricators, and laborers	16,656	1,032	1,550	14,075	8,598	2,147	3,329	40.6	44.1
Machine operators, assemblers, and inspectors	7,252	357	318	6,576	4,337	1,079	1,161	41.1	43.0
Transportation and material moving occupations	4,859	250	386	4,224	2,067	541	1,616	44.0	47.4
Handlers, equipment cleaners, helpers, and laborers	4,545	425	846	3,274	2,194	527	553	36.0	42.3
Men, 16 years and over <sup>1</sup>	60,178	2,569	4,808	52,801	28,856	7,099	16,846	42.3	45.4
Managerial and professional specialty	16,523	297	838	15,389	7,199	1,884	6,305	44.8	46.8
Executive, administrative, and managerial	8,763	141	275	8,346	3,628	984	3,735	46.2	47.5
Professional specialty	7,761	156	563	7,043	3,572	900	2,571	43.3	45.9
Technical, sales, and administrative support	12,773	373	1,401	10,999	5,692	1,531	3,777	41.9	45.6
Technicians and related support	1,837	41	128	1,668	1,026	263	379	40.8	43.1
Sales occupations	7,056	216	784	6,056	2,526	773	2,758	44.0	48.0
Administrative support, including clerical	3,880	116	489	3,275	2,140	495	640	38.7	42.4
Service occupations	6,334	476	1,235	4,624	3,167	472	986	37.2	43.8
Private household	41	1	17	24	11	3	9	( <sup>2</sup> )	( <sup>2</sup> )
Protective service	1,645	47	91	1,507	901	188	418	43.2	45.3
Service, except private household and protective	4,648	427	1,127	3,093	2,254	281	558	35.1	43.0
Precision production, craft, and repair	12,049	684	320	11,045	6,684	1,519	2,842	42.3	44.1
Operators, fabricators, and laborers	12,497	739	1,015	10,744	6,114	1,694	2,936	41.7	45.1
Machine operators, assemblers, and inspectors	4,459	177	141	4,142	2,520	745	876	42.5	44.0
Transportation and material moving occupations	4,376	206	246	3,924	1,855	505	1,564	45.2	47.8
Handlers, equipment cleaners, helpers, and laborers	3,662	356	628	2,678	1,739	443	496	36.5	42.7
Women, 16 years and over <sup>1</sup>	52,054	2,939	10,842	38,274	27,585	4,601	6,088	35.9	41.4
Managerial and professional specialty	14,968	369	2,253	12,346	7,968	1,629	2,748	38.7	42.5
Executive, administrative, and managerial	6,081	104	553	5,423	3,394	724	1,305	40.7	43.0
Professional specialty	8,888	265	1,700	6,923	4,574	905	1,444	37.3	42.2
Technical, sales, and administrative support	22,436	1,133	4,785	16,518	12,591	1,888	2,039	35.3	40.6
Technicians and related support	1,863	56	331	1,476	1,093	196	187	37.0	41.1
Sales occupations	6,483	559	1,977	3,946	2,575	527	845	34.0	42.6
Administrative support, including clerical	14,090	518	2,477	11,096	8,923	1,166	1,007	35.7	39.8
Service occupations	9,381	1,088	3,194	5,098	3,908	476	715	31.6	41.5
Private household	908	174	410	324	217	24	83	25.9	44.6
Protective service	302	14	72	217	168	24	25	34.1	41.2
Service, except private household and protective	8,170	900	2,712	4,558	3,523	429	606	32.1	41.3
Precision production, craft, and repair	1,111	56	74	981	634	155	192	40.3	42.5
Operators, fabricators, and laborers	4,159	293	535	3,330	2,484	453	393	37.3	41.2
Machine operators, assemblers, and inspectors	2,793	181	178	2,435	1,817	333	285	39.1	41.3
Transportation and material moving occupations	483	44	140	299	212	35	51	33.7	41.6
Handlers, equipment cleaners, helpers, and laborers	882	69	218	596	455	84	57	33.8	40.2

<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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	193,683	193,847	194,026	194,159	194,298	194,456	194,618	194,767	194,933	195,104	195,275	195,453	195,626
Labor force <sup>1</sup> .....	128,618	128,896	129,108	128,598	128,839	128,926	128,833	129,615	129,604	129,541	129,852	129,457	130,189
Percent of population <sup>2</sup> .....	66.4	66.5	66.5	66.2	66.3	66.3	66.2	66.5	66.5	66.4	66.5	66.2	66.5
Total employed <sup>1</sup> .....	119,239	119,595	119,828	119,586	119,963	120,062	119,908	120,757	120,696	120,772	121,192	120,939	121,403
Employment-population ratio <sup>3</sup> .....	61.6	61.7	61.8	61.6	61.7	61.7	61.6	62.0	61.9	61.9	62.1	61.9	62.1
Resident Armed Forces .....	1,552	1,531	1,517	1,515	1,512	1,497	1,492	1,484	1,477	1,471	1,482	1,482	1,475
Civilian employed .....	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710	119,457	119,928
Agriculture .....	3,169	3,209	3,262	3,191	3,116	3,082	3,060	3,070	3,024	3,039	2,980	3,095	2,991
Nonagricultural industries .....	114,518	114,855	115,049	114,879	115,335	115,483	115,356	116,203	116,195	116,262	116,729	116,362	116,936
Unemployed .....	9,379	9,301	9,280	9,013	8,876	8,864	8,925	8,858	8,908	8,769	8,661	8,517	8,786
Unemployment rate <sup>4</sup> .....	7.3	7.2	7.2	7.0	6.9	6.9	6.9	6.8	6.9	6.8	6.7	6.6	6.7
Not in labor force .....	65,065	64,951	64,918	65,561	65,459	65,530	65,785	65,152	65,329	65,563	65,423	65,996	65,437
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	93,238	93,324	93,420	93,488	93,563	93,646	93,731	93,809	93,896	93,986	94,076	94,169	94,260
Labor force <sup>1</sup> .....	70,728	70,708	70,754	70,473	70,690	70,835	70,773	71,047	71,082	71,056	71,259	70,872	71,217
Percent of population <sup>2</sup> .....	75.9	75.8	75.7	75.4	75.6	75.6	75.5	75.7	75.7	75.6	75.7	75.3	75.6
Total employed <sup>1</sup> .....	65,318	65,416	65,554	65,544	65,693	65,674	65,694	66,056	66,006	65,999	66,265	66,033	66,313
Employment-population ratio <sup>3</sup> .....	70.1	70.1	70.2	70.1	70.2	70.1	70.1	70.4	70.3	70.2	70.4	70.1	70.4
Resident Armed Forces .....	1,394	1,373	1,360	1,358	1,355	1,342	1,338	1,330	1,323	1,317	1,327	1,326	1,319
Civilian employed .....	63,924	64,043	64,194	64,186	64,338	64,332	64,356	64,726	64,683	64,682	64,938	64,707	64,994
Unemployed .....	5,410	5,292	5,200	4,929	4,997	5,160	5,079	4,992	5,075	5,057	4,994	4,839	4,904
Unemployment rate <sup>4</sup> .....	7.6	7.5	7.3	7.0	7.1	7.3	7.2	7.0	7.1	7.1	7.0	6.8	6.9
Not in labor force .....	22,510	22,616	22,666	23,015	22,873	22,811	22,958	22,762	22,814	22,930	22,817	23,297	23,043
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	100,445	100,523	100,606	100,671	100,734	100,809	100,887	100,959	101,037	101,119	101,199	101,284	101,366
Labor force <sup>1</sup> .....	57,890	58,188	58,354	58,125	58,149	58,091	58,061	58,567	58,522	58,485	58,594	58,585	58,971
Percent of population <sup>2</sup> .....	57.6	57.9	58.0	57.7	57.7	57.6	57.6	58.0	57.9	57.8	57.9	57.8	58.2
Total employed <sup>1</sup> .....	53,921	54,179	54,274	54,042	54,271	54,388	54,214	54,701	54,689	54,772	54,927	54,906	55,089
Employment-population ratio <sup>3</sup> .....	53.7	53.9	53.9	53.7	53.9	54.0	53.7	54.2	54.1	54.2	54.3	54.2	54.3
Resident Armed Forces .....	158	158	157	157	157	155	154	154	154	154	155	156	156
Civilian employed .....	53,763	54,021	54,117	53,885	54,114	54,233	54,060	54,547	54,535	54,618	54,772	54,750	54,933
Unemployed .....	3,969	4,009	4,080	4,083	3,879	3,704	3,846	3,866	3,833	3,712	3,667	3,678	3,882
Unemployment rate <sup>4</sup> .....	6.9	6.9	7.0	7.0	6.7	6.4	6.6	6.6	6.5	6.3	6.3	6.3	6.6
Not in labor force .....	42,555	42,335	42,252	42,546	42,585	42,718	42,826	42,392	42,515	42,634	42,605	42,699	42,395

<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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup>	192,131	192,316	192,509	192,644	192,786	192,959	193,126	193,283	193,456	193,633	193,793	193,971	194,151
Civilian labor force	127,066	127,365	127,591	127,083	127,327	127,429	127,341	128,131	128,127	128,070	128,370	127,975	128,714
Percent of population	66.1	66.2	66.3	66.0	66.0	66.0	65.9	66.3	66.2	66.1	66.2	66.0	66.3
Employed	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710	119,457	119,928
Employment-population ratio <sup>2</sup>	61.3	61.4	61.5	61.3	61.4	61.4	61.3	61.7	61.6	61.6	61.8	61.6	61.8
Unemployed	9,379	9,301	9,280	9,013	8,876	8,864	8,925	8,858	8,908	8,769	8,661	8,517	8,786
Unemployment rate	7.4	7.3	7.3	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.7	6.7	6.8
<b>Men, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup>	91,844	91,951	92,060	92,130	92,208	92,304	92,393	92,479	92,573	92,669	92,749	92,843	92,941
Civilian labor force	69,334	69,335	69,394	69,115	69,335	69,493	69,435	69,717	69,759	69,739	69,932	69,546	69,898
Percent of population	75.5	75.4	75.4	75.0	75.2	75.3	75.2	75.4	75.4	75.3	75.4	74.9	75.2
Employed	63,924	64,043	64,194	64,186	64,338	64,332	64,356	64,726	64,683	64,682	64,938	64,707	64,994
Employment-population ratio <sup>2</sup>	69.6	69.6	69.7	69.7	69.8	69.7	69.7	70.0	69.9	69.8	70.0	69.7	69.9
Agriculture	2,550	2,541	2,593	2,534	2,521	2,434	2,462	2,450	2,396	2,381	2,321	2,461	2,344
Nonagricultural industries	61,374	61,502	61,601	61,651	61,817	61,899	61,893	62,276	62,288	62,301	62,616	62,246	62,650
Unemployed	5,410	5,292	5,200	4,929	4,997	5,160	5,079	4,992	5,075	5,057	4,994	4,839	4,904
Unemployment rate	7.8	7.6	7.5	7.1	7.2	7.4	7.3	7.2	7.3	7.3	7.1	7.0	7.0
Not in labor force	22,510	22,616	22,666	23,015	22,873	22,811	22,958	22,762	22,814	22,930	22,817	23,297	23,043
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup>	85,159	85,259	85,369	85,445	85,554	85,664	85,731	85,816	85,872	85,950	86,002	86,075	86,156
Civilian labor force	65,811	65,740	65,785	65,624	65,734	65,901	65,819	66,157	66,143	66,136	66,274	66,020	66,400
Percent of population	77.3	77.1	77.1	76.8	76.8	76.9	76.8	77.1	77.0	76.9	77.1	76.7	77.1
Employed	61,088	61,206	61,326	61,423	61,479	61,466	61,579	61,892	61,847	61,816	62,011	61,842	62,213
Employment-population ratio <sup>2</sup>	71.7	71.8	71.8	71.9	71.9	71.8	71.8	72.1	72.0	71.9	72.1	71.8	72.2
Agriculture	2,378	2,326	2,371	2,340	2,299	2,248	2,273	2,237	2,212	2,228	2,164	2,269	2,202
Nonagricultural industries	58,710	58,880	58,955	59,083	59,180	59,218	59,305	59,655	59,636	59,588	59,847	59,573	60,011
Unemployed	4,723	4,534	4,459	4,201	4,255	4,435	4,240	4,266	4,295	4,320	4,263	4,178	4,186
Unemployment rate	7.2	6.9	6.8	6.4	6.5	6.7	6.4	6.4	6.5	6.5	6.4	6.3	6.3
Not in labor force	19,348	19,519	19,584	19,821	19,820	19,763	19,912	19,659	19,729	19,814	19,728	20,055	19,756
<b>Women, 16 years and over</b>													
Civilian noninstitutional population <sup>1</sup>	100,287	100,365	100,449	100,514	100,577	100,654	100,733	100,805	100,883	100,965	101,044	101,128	101,210
Civilian labor force	57,732	58,030	58,197	57,968	57,992	57,936	57,907	58,413	58,368	58,331	58,439	58,429	58,815
Percent of population	57.6	57.8	57.9	57.7	57.7	57.6	57.5	57.9	57.9	57.8	57.8	57.8	58.1
Employed	53,763	54,021	54,117	53,885	54,114	54,233	54,060	54,547	54,535	54,618	54,772	54,750	54,933
Employment-population ratio <sup>2</sup>	53.6	53.8	53.9	53.6	53.8	53.9	53.7	54.1	54.1	54.1	54.2	54.1	54.3
Agriculture	619	668	669	657	596	649	598	620	628	658	659	634	647
Nonagricultural industries	53,144	53,353	53,448	53,228	53,518	53,584	53,462	53,927	53,908	53,960	54,113	54,116	54,286
Unemployed	3,969	4,009	4,080	4,083	3,879	3,704	3,846	3,866	3,833	3,712	3,667	3,678	3,882
Unemployment rate	6.9	6.9	7.0	7.0	6.7	6.4	6.6	6.6	6.6	6.4	6.3	6.3	6.6
Not in labor force	42,555	42,335	42,252	42,546	42,585	42,718	42,826	42,392	42,515	42,634	42,605	42,699	42,395
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup>	93,771	93,849	93,960	94,007	94,088	94,148	94,214	94,264	94,315	94,425	94,490	94,575	94,656
Civilian labor force	54,578	54,832	55,010	54,733	54,742	54,779	54,704	55,020	55,169	55,053	55,238	55,163	55,477
Percent of population	58.2	58.4	58.5	58.2	58.2	58.2	58.1	58.4	58.5	58.3	58.5	58.3	58.6
Employed	51,182	51,435	51,494	51,246	51,466	51,668	51,433	51,801	51,903	51,854	52,088	52,007	52,205
Employment-population ratio <sup>2</sup>	54.6	54.8	54.8	54.5	54.7	54.9	54.6	55.0	55.0	54.9	55.1	55.0	55.2
Agriculture	584	616	613	608	551	618	576	594	591	623	620	590	596
Nonagricultural industries	50,598	50,819	50,881	50,638	50,915	51,050	50,856	51,207	51,312	51,231	51,468	51,417	51,609
Unemployed	3,396	3,397	3,516	3,486	3,276	3,111	3,271	3,219	3,267	3,198	3,150	3,156	3,272
Unemployment rate	6.2	6.2	6.4	6.4	6.0	5.7	6.0	5.9	5.9	5.8	5.7	5.7	5.9
Not in labor force	39,193	39,017	38,950	39,274	39,346	39,369	39,510	39,244	39,146	39,372	39,252	39,412	39,179
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup>	13,200	13,208	13,181	13,191	13,143	13,147	13,181	13,203	13,270	13,258	13,301	13,321	13,339
Civilian labor force	6,677	6,793	6,796	6,726	6,851	6,749	6,819	6,953	6,815	6,881	6,858	6,791	6,837
Percent of population	50.6	51.4	51.6	51.0	52.1	51.3	51.7	52.7	51.4	51.9	51.6	51.0	51.3
Employed	5,417	5,423	5,491	5,401	5,506	5,431	5,405	5,580	5,469	5,630	5,610	5,608	5,509
Employment-population ratio <sup>2</sup>	41.0	41.1	41.7	40.9	41.9	41.3	41.0	42.3	41.2	42.5	42.2	42.1	41.3
Agriculture	207	267	278	243	266	216	211	239	221	188	196	236	193
Nonagricultural industries	5,210	5,156	5,213	5,158	5,240	5,215	5,194	5,341	5,248	5,442	5,414	5,372	5,316
Unemployed	1,260	1,370	1,305	1,325	1,345	1,318	1,414	1,373	1,346	1,251	1,248	1,183	1,328
Unemployment rate	18.9	20.2	19.2	19.7	19.6	19.5	20.7	19.7	19.8	18.2	18.2	17.4	19.4
Not in labor force	6,523	6,415	6,385	6,465	6,292	6,398	6,362	6,250	6,455	6,377	6,443	6,530	6,502

<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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	163,013	163,132	163,259	163,343	163,429	163,543	163,649	163,748	163,857	163,971	164,074	164,190	164,309
Civilian labor force .....	108,483	108,723	108,946	108,729	108,754	108,998	108,589	109,277	109,484	109,381	109,705	109,357	109,948
Percent of population .....	66.5	66.6	66.7	66.6	66.5	66.6	66.4	66.7	66.8	66.7	66.9	66.6	66.9
Employed .....	101,458	101,816	102,043	101,987	102,109	102,339	102,035	102,675	102,784	102,790	103,223	102,978	103,167
Employment-population ratio <sup>2</sup> .....	62.2	62.4	62.5	62.4	62.5	62.6	62.3	62.7	62.7	62.7	62.9	62.7	62.8
Unemployed .....	7,025	6,907	6,903	6,742	6,645	6,659	6,554	6,602	6,700	6,591	6,482	6,379	6,781
Unemployment rate .....	6.5	6.4	6.3	6.2	6.1	6.1	6.0	6.0	6.1	6.0	5.9	5.8	6.2
<b>Men, 20 years and over</b>													
Civilian labor force .....	56,910	56,858	56,937	56,895	56,942	57,070	56,895	57,073	57,172	57,110	57,223	57,045	57,417
Percent of population .....	77.7	77.6	77.6	77.5	77.5	77.6	77.3	77.5	77.6	77.4	77.6	77.3	77.7
Employed .....	53,305	53,369	53,543	53,615	53,649	53,656	53,667	53,834	53,919	53,769	53,984	53,875	54,156
Employment-population ratio <sup>2</sup> .....	72.8	72.8	73.0	73.0	73.0	73.0	72.9	73.1	73.2	72.9	73.2	73.0	73.3
Unemployed .....	3,605	3,489	3,394	3,280	3,293	3,414	3,228	3,240	3,253	3,341	3,239	3,170	3,261
Unemployment rate .....	6.3	6.1	6.0	5.8	5.8	6.0	5.7	5.7	5.7	5.9	5.7	5.6	5.7
<b>Women, 20 years and over</b>													
Civilian labor force .....	45,905	46,095	46,240	46,096	46,002	46,142	45,908	46,321	46,556	46,486	46,613	46,465	46,613
Percent of population .....	57.9	58.1	58.3	58.1	57.9	58.1	57.7	58.2	58.5	58.4	58.5	58.3	58.4
Employed .....	43,365	43,661	43,667	43,583	43,626	43,839	43,564	43,943	44,061	44,137	44,310	44,149	44,114
Employment-population ratio <sup>2</sup> .....	54.7	55.0	55.0	54.9	54.9	55.2	54.8	55.2	55.3	55.4	55.6	55.4	55.3
Unemployed .....	2,540	2,434	2,573	2,513	2,377	2,303	2,345	2,377	2,495	2,349	2,303	2,316	2,499
Unemployment rate .....	5.5	5.3	5.6	5.5	5.2	5.0	5.1	5.1	5.4	5.1	4.9	5.0	5.4
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	5,668	5,770	5,769	5,738	5,810	5,786	5,785	5,883	5,755	5,785	5,869	5,847	5,918
Percent of population .....	54.0	54.9	54.9	54.5	55.2	54.9	54.9	55.7	54.5	54.7	55.4	55.1	55.7
Employed .....	4,788	4,786	4,833	4,789	4,834	4,844	4,804	4,898	4,804	4,884	4,929	4,954	4,897
Employment-population ratio <sup>2</sup> .....	45.6	45.5	46.0	45.5	45.9	46.0	45.6	46.4	45.5	46.2	46.5	46.7	46.1
Unemployed .....	880	984	936	949	976	942	981	985	951	901	940	893	1,021
Unemployment rate .....	15.5	17.1	16.2	16.5	16.8	16.3	17.0	16.7	16.5	15.6	16.0	15.3	17.3
Men .....	15.9	17.7	17.2	18.1	17.9	16.5	19.2	17.0	19.0	17.8	17.9	16.0	18.2
Women .....	15.1	16.4	15.1	14.9	15.6	16.0	14.5	16.5	13.8	13.1	13.9	14.5	16.3
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	22,061	22,096	22,131	22,157	22,184	22,217	22,249	22,280	22,313	22,346	22,375	22,408	22,442
Civilian labor force .....	13,948	13,894	13,935	13,822	14,018	13,834	13,872	13,955	13,921	13,930	13,980	13,946	13,929
Percent of population .....	63.2	62.9	63.0	62.4	63.2	62.3	62.4	62.6	62.4	62.3	62.5	62.2	62.1
Employed .....	11,984	11,948	11,960	11,853	12,186	11,962	11,959	12,157	12,068	12,134	12,239	12,190	12,303
Employment-population ratio <sup>2</sup> .....	54.3	54.1	54.0	53.5	54.9	53.8	53.7	54.6	54.1	54.3	54.7	54.4	54.8
Unemployed .....	1,964	1,946	1,975	1,969	1,832	1,871	1,913	1,798	1,854	1,796	1,741	1,756	1,626
Unemployment rate .....	14.1	14.0	14.2	14.2	13.1	13.5	13.8	12.9	13.3	12.9	12.5	12.6	11.7
<b>Men, 20 years and over</b>													
Civilian labor force .....	6,499	6,481	6,450	6,486	6,534	6,491	6,412	6,485	6,494	6,515	6,579	6,513	6,484
Percent of population .....	73.0	72.6	72.1	72.4	72.9	72.3	71.3	72.0	71.9	72.0	72.7	71.9	71.5
Employed .....	5,611	5,640	5,589	5,645	5,754	5,640	5,597	5,699	5,669	5,754	5,781	5,712	5,782
Employment-population ratio <sup>2</sup> .....	63.0	63.2	62.5	63.1	64.2	62.8	62.2	63.2	62.8	63.6	63.8	63.1	63.7
Unemployed .....	888	841	861	841	781	851	815	786	826	761	799	801	701
Unemployment rate .....	13.7	13.0	13.3	13.0	11.9	13.1	12.7	12.1	12.7	11.7	12.1	12.3	10.8
<b>Women, 20 years and over</b>													
Civilian labor force .....	6,682	6,639	6,687	6,536	6,683	6,584	6,659	6,632	6,662	6,593	6,623	6,677	6,730
Percent of population .....	60.3	59.9	60.2	58.8	60.0	59.1	59.6	59.3	59.5	58.8	59.0	59.4	59.8
Employed .....	5,930	5,854	5,889	5,717	5,936	5,897	5,936	5,958	5,951	5,851	5,924	5,992	6,066
Employment-population ratio <sup>2</sup> .....	53.5	52.8	53.0	51.4	53.3	52.9	53.2	53.3	53.2	52.2	52.8	53.3	53.9
Unemployed .....	752	785	798	819	747	687	723	674	711	742	699	685	664
Unemployment rate .....	11.3	11.8	11.9	12.5	11.2	10.4	10.9	10.2	10.7	11.3	10.6	10.3	9.9

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	767	774	798	800	800	758	801	838	765	822	778	756	715
Percent of population .....	36.9	37.2	38.3	38.4	38.4	36.3	38.4	40.1	36.6	39.2	37.0	35.7	33.7
Employed .....	443	454	482	490	496	425	426	500	448	529	534	486	454
Employment-population ratio <sup>2</sup> .....	21.3	21.8	23.2	23.5	23.8	20.4	20.4	23.9	21.4	25.3	25.4	23.0	21.4
Unemployed .....	324	320	316	310	304	333	375	338	317	293	244	270	261
Unemployment rate .....	42.2	41.3	39.6	38.7	38.0	43.9	46.8	40.3	41.4	35.6	31.4	35.7	36.5
Men .....	44.2	44.8	42.2	39.0	37.4	45.4	47.9	40.3	36.9	37.1	32.6	40.0	41.3
Women .....	39.8	37.5	36.5	38.5	38.6	42.0	45.3	40.4	46.6	33.9	29.9	30.8	31.6
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,382	15,421	15,461	15,500	15,540	15,585	15,635	15,681	15,729	15,777	15,824	15,871	15,917
Civilian labor force .....	10,210	10,211	10,351	10,225	10,280	10,343	10,210	10,232	10,255	10,348	10,291	10,427	10,581
Percent of population .....	66.4	66.2	66.9	66.0	66.1	66.4	65.3	65.2	65.2	65.6	65.0	65.7	66.5
Employed .....	9,011	8,990	9,145	9,043	9,108	9,166	9,148	9,239	9,206	9,221	9,295	9,411	9,365
Employment-population ratio <sup>2</sup> .....	58.6	58.3	59.1	58.3	58.6	58.8	58.5	58.9	58.5	58.4	58.7	59.3	58.8
Unemployed .....	1,199	1,221	1,206	1,182	1,171	1,177	1,062	993	1,050	1,127	996	1,016	1,216
Unemployment rate .....	11.7	12.0	11.7	11.6	11.4	11.4	10.4	9.7	10.2	10.9	9.7	9.7	11.5

<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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>CHARACTERISTIC</b>													
Total .....	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710	119,457	119,928
Married men, spouse present .....	40,324	40,487	40,639	40,607	40,903	40,902	41,002	41,188	41,044	40,882	40,754	40,773	40,749
Married women, spouse present .....	30,030	30,244	30,403	30,298	30,515	30,669	30,171	30,401	30,329	30,261	30,555	30,431	30,528
Women who maintain families .....	6,626	6,585	6,548	6,555	6,615	6,792	6,942	6,826	6,780	6,823	6,887	6,891	6,813
<b>OCCUPATION</b>													
Managerial and professional specialty .....	31,289	31,529	31,485	31,874	31,907	32,272	31,682	32,056	32,149	32,361	32,509	32,540	32,651
Technical, sales, and administrative support .....	36,538	36,804	36,799	36,363	36,767	36,332	36,403	36,785	36,877	37,223	36,878	36,748	36,924
Service occupations .....	16,076	15,999	16,226	16,414	16,461	16,436	16,505	16,666	16,532	16,396	16,419	16,527	16,592
Precision production, craft, and repair .....	13,328	13,203	13,271	12,937	12,841	12,867	13,086	13,324	13,469	13,236	13,788	13,530	13,438
Operators, fabricators, and laborers .....	16,907	17,030	16,959	17,132	17,341	17,175	17,232	17,087	16,870	16,798	16,904	16,919	17,027
Farming, forestry, and fishing .....	3,547	3,507	3,525	3,403	3,319	3,385	3,288	3,356	3,280	3,279	3,235	3,326	3,275
<b>INDUSTRY AND CLASS OF WORKER</b>													
Agriculture:													
Wage and salary workers .....	1,656	1,685	1,735	1,661	1,614	1,568	1,632	1,586	1,584	1,619	1,544	1,663	1,640
Self-employed workers .....	1,405	1,370	1,397	1,404	1,363	1,377	1,324	1,368	1,335	1,320	1,307	1,327	1,258
Unpaid family workers .....	118	163	106	145	136	130	105	111	100	89	116	85	97
Nonagricultural industries:													
Wage and salary workers .....	105,863	105,913	105,978	105,883	106,163	106,447	106,055	106,777	106,870	106,924	107,416	107,197	107,862
Government .....	18,371	18,216	18,065	18,481	18,507	18,536	18,471	18,604	18,611	18,399	18,571	18,539	18,467
Private industries .....	87,492	87,697	87,913	87,402	87,655	87,911	87,583	88,173	88,258	88,524	88,845	88,658	89,396
Private households .....	1,102	1,109	1,091	1,061	1,071	1,143	1,113	1,089	1,043	1,075	1,155	1,137	1,194
Other industries .....	86,390	86,588	86,822	86,341	86,584	86,769	86,470	87,084	87,215	87,449	87,690	87,521	88,202
Self-employed workers .....	8,558	8,700	8,668	8,793	9,065	8,832	8,950	9,246	9,164	9,118	9,032	8,911	8,915
Unpaid family workers .....	189	220	221	250	226	206	234	193	148	199	249	251	229
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>													
All industries:													
Part time for economic reasons .....	6,434	6,493	6,349	6,113	6,461	6,194	6,458	6,580	6,322	6,489	6,531	6,498	6,175
Slack work .....	3,160	3,161	3,206	2,994	3,150	3,039	3,128	3,206	3,417	3,050	3,250	3,206	3,056
Could only find part-time work .....	2,988	3,060	2,865	2,887	2,991	2,855	3,000	3,034	2,698	3,033	2,969	2,971	2,872
Voluntary part time .....	14,726	14,834	14,895	14,788	14,698	14,799	14,529	15,034	15,612	15,140	15,326	15,152	15,168
Nonagricultural industries:													
Part time for economic reasons .....	6,151	6,230	6,063	5,887	6,242	5,965	6,238	6,268	6,176	6,255	6,287	6,251	5,931
Slack work .....	2,993	2,984	3,024	2,800	2,990	2,887	2,963	3,028	3,272	2,880	3,100	3,032	2,920
Could only find part-time work .....	2,905	2,998	2,793	2,849	2,931	2,781	2,904	2,919	2,631	2,983	2,877	2,916	2,774
Voluntary part time .....	14,324	14,413	14,476	14,364	14,282	14,319	14,129	14,556	15,205	14,714	14,954	14,726	14,752

<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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over .....	117,687	118,064	118,311	118,071	118,451	118,565	118,416	119,273	119,219	119,301	119,710	119,457	119,928
16 to 24 years .....	17,488	17,606	17,690	17,547	17,659	17,622	17,517	17,791	17,684	17,798	17,690	17,678	17,635
16 to 19 years .....	5,417	5,423	5,491	5,401	5,506	5,431	5,405	5,580	5,469	5,630	5,610	5,608	5,509
16 to 17 years .....	2,024	2,028	2,093	2,074	2,146	2,059	2,020	2,212	2,050	2,156	2,194	2,201	2,151
18 to 19 years .....	3,401	3,384	3,379	3,335	3,381	3,375	3,380	3,361	3,389	3,429	3,408	3,434	3,369
20 to 24 years .....	12,071	12,183	12,199	12,146	12,152	12,191	12,112	12,211	12,215	12,168	12,080	12,070	12,126
25 years and over .....	100,206	100,419	100,603	100,481	100,904	100,941	100,825	101,463	101,503	101,507	102,029	101,764	102,256
25 to 54 years .....	85,588	85,726	85,942	85,956	86,041	86,338	86,247	86,612	86,712	86,977	87,227	87,223	87,438
55 years and over .....	14,598	14,729	14,643	14,599	14,872	14,642	14,620	14,741	14,792	14,581	14,840	14,570	14,780
Men, 16 years and over .....	63,924	64,043	64,194	64,186	64,338	64,332	64,356	64,726	64,683	64,682	64,938	64,707	64,994
16 to 24 years .....	9,236	9,241	9,275	9,165	9,295	9,262	9,062	9,165	9,158	9,200	9,283	9,186	9,182
16 to 19 years .....	2,836	2,837	2,868	2,763	2,859	2,867	2,777	2,834	2,836	2,866	2,926	2,865	2,781
16 to 17 years .....	1,068	1,064	1,099	1,048	1,105	1,116	1,040	1,125	1,064	1,113	1,141	1,119	1,098
18 to 19 years .....	1,773	1,769	1,757	1,728	1,755	1,758	1,741	1,706	1,744	1,722	1,749	1,770	1,694
20 to 24 years .....	6,400	6,404	6,407	6,402	6,436	6,396	6,285	6,331	6,322	6,334	6,357	6,321	6,401
25 years and over .....	54,690	54,808	54,918	55,002	55,114	55,031	55,220	55,544	55,503	55,505	55,655	55,530	55,819
25 to 54 years .....	46,478	46,495	46,624	46,775	46,733	46,803	46,980	47,197	47,185	47,349	47,385	47,344	47,458
55 years and over .....	8,214	8,328	8,270	8,305	8,404	8,269	8,238	8,304	8,278	8,194	8,292	8,194	8,342
Women, 16 years and over .....	53,763	54,021	54,117	53,885	54,114	54,233	54,060	54,547	54,535	54,618	54,772	54,750	54,933
16 to 24 years .....	8,252	8,365	8,415	8,382	8,364	8,360	8,456	8,626	8,526	8,598	8,407	8,491	8,453
16 to 19 years .....	2,581	2,586	2,623	2,638	2,647	2,564	2,628	2,746	2,633	2,764	2,684	2,743	2,728
16 to 17 years .....	956	964	994	1,026	1,041	943	980	1,087	986	1,043	1,053	1,082	1,053
18 to 19 years .....	1,628	1,615	1,622	1,607	1,626	1,617	1,639	1,655	1,645	1,707	1,659	1,664	1,675
20 to 24 years .....	5,671	5,779	5,792	5,744	5,717	5,796	5,828	5,879	5,893	5,834	5,723	5,748	5,725
25 years and over .....	45,516	45,611	45,685	45,479	45,790	45,910	45,605	45,919	46,000	46,002	46,374	46,233	46,437
25 to 54 years .....	39,110	39,231	39,318	39,181	39,308	39,535	39,267	39,415	39,527	39,628	39,842	39,879	39,981
55 years and over .....	6,384	6,401	6,373	6,294	6,469	6,372	6,381	6,437	6,514	6,387	6,548	6,376	6,438

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

(In thousands)

Sex and age	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over .....	9,379	9,301	9,280	9,013	8,876	8,864	8,925	8,858	8,908	8,769	8,661	8,517	8,786
16 to 24 years .....	2,753	2,884	2,854	2,846	2,872	2,767	2,850	2,938	2,758	2,687	2,696	2,504	2,644
16 to 19 years .....	1,260	1,370	1,305	1,325	1,345	1,318	1,414	1,373	1,346	1,251	1,248	1,183	1,328
16 to 17 years .....	575	634	585	654	580	662	600	593	639	546	529	504	577
18 to 19 years .....	689	737	733	644	757	663	814	799	703	704	702	688	762
20 to 24 years .....	1,493	1,514	1,549	1,521	1,527	1,449	1,436	1,565	1,412	1,436	1,448	1,321	1,316
25 years and over .....	6,622	6,428	6,432	6,203	5,998	6,058	6,049	5,891	6,204	6,073	5,940	6,007	6,123
25 to 54 years .....	5,863	5,719	5,756	5,518	5,343	5,407	5,406	5,237	5,516	5,451	5,277	5,286	5,419
55 years and over .....	760	723	699	684	663	637	626	647	660	656	682	742	707
Men, 16 years and over .....	5,410	5,292	5,200	4,929	4,997	5,160	5,079	4,992	5,075	5,057	4,994	4,839	4,904
16 to 24 years .....	1,549	1,645	1,601	1,581	1,574	1,553	1,657	1,619	1,590	1,546	1,588	1,437	1,476
16 to 19 years .....	687	758	741	728	742	725	839	726	780	737	731	661	718
16 to 17 years .....	311	356	320	369	330	355	336	329	401	323	310	276	322
18 to 19 years .....	383	402	419	347	410	377	500	413	380	414	413	385	411
20 to 24 years .....	862	887	860	853	832	828	818	893	810	809	857	776	758
25 years and over .....	3,855	3,656	3,604	3,399	3,429	3,572	3,423	3,338	3,496	3,503	3,392	3,385	3,413
25 to 54 years .....	3,390	3,246	3,173	3,011	3,039	3,133	3,025	2,938	3,099	3,091	2,960	2,925	2,994
55 years and over .....	474	437	440	399	394	414	384	409	364	420	445	477	425
Women, 16 years and over .....	3,969	4,009	4,080	4,083	3,879	3,704	3,846	3,866	3,833	3,712	3,667	3,678	3,882
16 to 24 years .....	1,204	1,239	1,253	1,266	1,299	1,214	1,193	1,318	1,168	1,141	1,109	1,067	1,168
16 to 19 years .....	573	612	564	597	603	593	575	647	566	514	517	522	610
16 to 17 years .....	264	278	265	285	250	307	264	264	238	223	219	228	255
18 to 19 years .....	306	335	314	297	347	286	314	386	323	290	289	303	351
20 to 24 years .....	631	627	689	669	696	621	618	671	602	627	592	545	558
25 years and over .....	2,767	2,772	2,828	2,804	2,569	2,485	2,626	2,553	2,708	2,570	2,548	2,622	2,710
25 to 54 years .....	2,473	2,473	2,583	2,507	2,304	2,274	2,381	2,300	2,417	2,361	2,317	2,361	2,425
55 years and over .....	286	286	259	285	269	222	242	238	296	237	237	265	283

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over .....	7.4	7.3	7.3	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.7	6.7	6.8
16 to 24 years .....	13.6	14.1	13.9	14.0	14.0	13.6	14.0	14.2	13.5	13.1	13.2	12.4	13.0
16 to 19 years .....	18.9	20.2	19.2	19.7	19.6	19.5	20.7	19.7	19.8	18.2	18.2	17.4	19.4
16 to 17 years .....	22.1	23.8	21.8	24.0	21.3	24.3	22.9	21.1	23.8	20.2	19.4	18.6	21.2
18 to 19 years .....	16.8	17.9	17.8	16.2	18.3	16.4	19.4	19.2	17.2	17.0	17.1	16.7	18.4
20 to 24 years .....	11.0	11.1	11.3	11.1	11.2	10.6	10.6	11.4	10.4	10.6	10.7	9.9	9.8
25 years and over .....	6.2	6.0	6.0	5.8	5.6	5.7	5.7	5.5	5.8	5.6	5.5	5.6	5.7
25 to 54 years .....	6.4	6.3	6.3	6.0	5.8	5.9	5.9	5.7	6.0	5.9	5.7	5.7	5.8
55 years and over .....	4.9	4.7	4.6	4.5	4.3	4.2	4.1	4.2	4.3	4.3	4.4	4.8	4.6
Men, 16 years and over .....	7.8	7.6	7.5	7.1	7.2	7.4	7.3	7.2	7.3	7.3	7.1	7.0	7.0
16 to 24 years .....	14.4	15.1	14.7	14.7	14.5	14.4	15.5	15.0	14.8	14.4	14.6	13.5	13.9
16 to 19 years .....	19.5	21.1	20.5	20.9	20.6	20.2	23.2	20.4	21.6	20.5	20.0	18.7	20.5
16 to 17 years .....	22.6	25.1	22.6	26.0	23.0	24.1	24.4	22.6	27.4	22.5	21.4	19.8	22.7
18 to 19 years .....	17.8	18.5	19.3	16.7	18.9	17.7	22.3	19.5	17.9	19.4	19.1	17.9	19.5
20 to 24 years .....	11.9	12.2	11.8	11.8	11.4	11.5	11.5	12.4	11.4	11.3	11.9	10.9	10.6
25 years and over .....	6.6	6.3	6.2	5.8	5.9	6.1	5.8	5.7	5.9	5.9	5.7	5.7	5.8
25 to 54 years .....	6.8	6.5	6.4	6.0	6.1	6.3	6.0	5.9	6.2	6.1	5.9	5.8	5.9
55 years and over .....	5.5	5.0	5.1	4.6	4.5	4.8	4.5	4.7	4.2	4.9	5.1	5.5	4.8
Women, 16 years and over .....	6.9	6.9	7.0	7.0	6.7	6.4	6.6	6.6	6.6	6.4	6.3	6.3	6.6
16 to 24 years .....	12.7	12.9	13.0	13.1	13.4	12.7	12.4	13.3	12.0	11.7	11.7	11.2	12.1
16 to 19 years .....	18.2	19.1	17.7	18.5	18.6	18.8	18.0	19.1	17.7	15.7	16.2	16.0	18.3
16 to 17 years .....	21.6	22.4	21.0	21.7	19.4	24.6	21.2	19.5	19.4	17.6	17.2	17.4	19.5
18 to 19 years .....	15.8	17.2	16.2	15.6	17.6	15.0	16.1	18.9	16.4	14.5	14.8	15.4	17.3
20 to 24 years .....	10.0	9.8	10.6	10.4	10.8	9.7	9.6	10.2	9.3	9.7	9.4	8.7	8.9
25 years and over .....	5.7	5.7	5.8	5.8	5.3	5.1	5.4	5.3	5.6	5.3	5.2	5.4	5.5
25 to 54 years .....	5.9	5.9	6.2	6.0	5.5	5.4	5.7	5.5	5.8	5.6	5.5	5.6	5.7
55 years and over .....	4.3	4.3	3.9	4.3	4.0	3.4	3.7	3.6	4.3	3.6	3.5	4.0	4.2

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	7.4	7.3	7.3	7.1	7.0	7.0	7.0	6.9	7.0	6.8	6.7	6.7	6.8
Men, 20 years and over .....	7.2	6.9	6.8	6.4	6.5	6.7	6.4	6.4	6.5	6.5	6.4	6.3	6.3
Women, 20 years and over .....	6.2	6.2	6.4	6.4	6.0	5.7	6.0	5.9	5.9	5.8	5.7	5.7	5.9
Both sexes, 16 to 19 years .....	18.9	20.2	19.2	19.7	19.6	19.5	20.7	19.7	19.8	18.2	18.2	17.4	19.4
White .....	6.5	6.4	6.3	6.2	6.1	6.1	6.0	6.0	6.1	6.0	5.9	5.8	6.2
Black and other .....	12.5	12.6	12.8	12.9	12.0	12.0	12.5	11.7	12.0	11.7	11.6	11.5	10.7
Black .....	14.1	14.0	14.2	14.2	13.1	13.5	13.8	12.9	13.3	12.9	12.5	12.6	11.7
Hispanic origin .....	11.7	12.0	11.7	11.6	11.4	11.4	10.4	9.7	10.2	10.9	9.7	9.7	11.5
Married men, spouse present .....	5.1	4.9	4.8	4.5	4.5	4.7	4.5	4.5	4.4	4.6	4.4	4.2	4.4
Married women, spouse present .....	5.1	5.0	5.0	4.9	4.4	4.3	4.8	4.5	4.7	4.7	4.4	4.6	4.8
Women who maintain families .....	9.3	10.4	10.3	10.6	10.2	9.0	9.6	9.9	9.8	9.8	8.7	8.7	9.3
Full-time workers .....	7.1	7.0	6.9	6.7	6.6	6.6	6.6	6.6	6.6	6.7	6.5	6.4	6.4
Part-time workers .....	9.2	9.2	9.7	9.3	9.1	8.9	9.7	8.4	8.9	8.3	8.4	8.6	9.1
Unemployed 15 weeks and over <sup>1</sup> .....	2.8	2.7	2.8	2.6	2.5	2.4	2.3	2.3	2.2	2.4	2.4	2.4	2.4
Labor force time lost <sup>2</sup> .....	8.3	8.3	8.1	7.9	7.9	7.9	7.8	7.9	7.8	7.8	7.7	7.6	7.6
<b>OCCUPATION<sup>3</sup></b>													
Managerial and professional specialty .....	3.2	3.1	3.2	3.3	3.5	3.1	3.0	3.1	2.8	2.6	2.7	2.7	2.8
Technical, sales, and administrative support .....	6.0	5.7	5.8	5.5	5.2	5.1	5.4	5.3	5.7	5.3	5.4	5.3	5.3
Precision production, craft, and repair .....	8.6	8.6	8.8	7.9	7.8	8.4	8.7	8.0	8.3	8.7	7.3	7.5	7.9
Operators, fabricators, and laborers .....	11.0	10.6	10.0	9.8	9.9	10.3	9.7	9.9	10.1	10.2	10.6	10.4	9.9
Farming, forestry, and fishing .....	7.9	8.8	8.7	8.5	9.0	8.3	8.6	7.4	7.7	8.2	7.2	7.6	8.0
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.8	7.5	7.5	7.3	7.2	7.2	7.2	7.2	7.2	7.1	7.0	7.0	7.0
Goods-producing industries .....	9.9	9.3	9.0	8.8	8.6	9.0	8.9	9.0	9.2	9.4	9.1	8.9	8.4
Mining .....	8.3	5.3	5.5	7.8	7.1	5.5	8.6	10.9	7.1	5.9	7.4	8.0	5.8
Construction .....	16.1	14.5	15.7	14.3	13.7	15.3	14.5	15.4	15.5	16.8	15.1	14.2	13.7
Manufacturing .....	8.2	8.0	7.2	7.3	7.2	7.3	7.2	7.1	7.4	7.4	7.4	7.4	6.9
Durable goods .....	8.9	8.5	7.5	7.3	6.9	7.0	7.2	7.0	7.6	6.9	7.3	7.5	7.0
Nondurable goods .....	7.3	7.3	6.9	7.2	7.5	7.6	7.3	7.3	7.1	8.0	7.5	7.3	6.7
Service-producing industries .....	7.0	6.7	6.9	6.7	6.6	6.4	6.6	6.4	6.4	6.1	6.1	6.2	6.4
Transportation and public utilities .....	5.8	6.1	5.6	4.9	4.6	4.9	5.0	5.5	4.3	4.8	5.5	5.4	5.8
Wholesale and retail trade .....	8.1	7.9	8.0	7.9	7.8	7.9	8.3	8.2	7.9	7.4	7.5	7.4	8.0
Finance and service industries .....	6.4	6.1	6.5	6.3	6.1	5.7	5.7	5.4	5.8	5.5	5.4	5.6	5.5
Government workers .....	3.0	3.8	3.6	3.6	3.6	3.6	3.4	3.1	3.5	3.5	3.3	2.8	3.1
Agricultural wage and salary workers .....	12.5	13.5	12.2	11.6	13.1	12.1	11.2	10.4	11.9	11.8	12.5	9.7	12.1

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

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>DURATION</b>													
Less than 5 weeks .....	3,192	3,120	3,042	3,272	3,232	3,102	3,355	3,315	3,282	3,268	2,994	3,021	3,181
5 to 14 weeks .....	2,666	2,835	2,688	2,481	2,487	2,566	2,496	2,482	2,789	2,539	2,659	2,449	2,538
15 weeks and over .....	3,564	3,446	3,605	3,317	3,143	3,073	2,926	3,004	2,849	3,037	3,032	3,113	3,105
15 to 26 weeks .....	1,475	1,438	1,540	1,407	1,236	1,259	1,276	1,261	1,146	1,291	1,293	1,368	1,369
27 weeks and over .....	2,089	2,008	2,065	1,910	1,907	1,814	1,650	1,743	1,703	1,747	1,739	1,745	1,736
Average (mean) duration, in weeks .....	19.2	18.4	19.2	18.7	18.3	17.5	17.4	17.6	17.6	17.9	18.3	18.5	18.6
Median duration, in weeks .....	9.3	9.4	9.4	8.5	8.2	8.3	8.5	8.1	8.1	8.2	8.4	9.1	8.3
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	33.9	33.2	32.6	36.1	36.5	35.5	38.2	37.7	36.8	37.0	34.5	35.2	36.1
5 to 14 weeks .....	28.3	30.2	28.8	27.4	28.1	29.4	28.4	28.2	31.3	28.7	30.6	28.5	28.8
15 weeks and over .....	37.8	36.7	38.6	36.6	35.5	35.2	33.3	34.1	31.9	34.3	34.9	36.3	35.2
15 to 26 weeks .....	15.7	15.3	16.5	15.5	13.9	14.4	14.5	14.3	12.9	14.6	14.9	15.9	15.5
27 weeks and over .....	22.2	21.4	22.1	21.1	21.5	20.7	18.8	19.8	19.1	19.7	20.0	20.3	19.7

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

(Numbers in thousands)

Reasons for unemployment	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	5,492	5,207	5,138	4,847	4,648	4,812	4,821	4,690	4,860	4,954	4,943	4,726	4,856
On layoff .....	1,265	1,195	1,204	1,029	1,049	1,076	1,036	1,155	1,144	1,214	1,229	1,104	1,242
Other job losers .....	4,227	4,012	3,934	3,818	3,599	3,735	3,785	3,536	3,716	3,740	3,713	3,622	3,615
Job leavers .....	913	977	972	821	1,046	1,096	1,007	967	945	906	831	922	989
Reentrants .....	2,206	2,194	2,237	2,346	2,299	2,047	2,172	2,294	2,223	2,113	2,066	2,062	2,077
New entrants .....	784	930	930	960	887	930	940	906	866	864	825	842	847
<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 .....	58.5	55.9	55.4	54.0	52.3	54.2	53.9	52.9	54.6	56.1	57.0	55.3	55.4
On layoff .....	13.5	12.8	13.0	11.5	11.8	12.1	11.6	13.0	12.9	13.7	14.2	12.9	14.2
Other job losers .....	45.0	43.1	42.4	42.5	40.5	42.0	42.3	39.9	41.8	42.3	42.9	42.4	41.2
Job leavers .....	9.7	10.5	10.5	9.1	11.8	12.3	11.3	10.9	10.6	10.2	9.6	10.8	11.3
Reentrants .....	23.5	23.6	24.1	26.1	25.9	23.0	24.3	25.9	25.0	23.9	23.8	24.1	23.7
New entrants .....	8.3	10.0	10.0	10.7	10.0	10.5	10.5	10.2	9.7	9.8	9.5	9.8	9.7
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	4.3	4.1	4.0	3.8	3.7	3.8	3.8	3.7	3.8	3.9	3.9	3.7	3.8
Job leavers .....	.7	.8	.8	.6	.8	.9	.8	.8	.7	.7	.6	.7	.8
Reentrants .....	1.7	1.7	1.8	1.8	1.8	1.6	1.7	1.8	1.7	1.7	1.6	1.6	1.6
New entrants .....	.6	.7	.7	.8	.7	.7	.7	.7	.7	.7	.6	.7	.7

**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	35,822	19,328	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	4,697	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	17,565	930	2,194	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	898	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	50,641	43,727	20,513	792	2,839	16,882	30,128	4,141	2,934	7,601	2,298	6,240	2,187	1,168	3,558
1956	52,369	45,091	21,104	822	3,039	17,243	31,266	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	6,765	2,191	1,415	4,232
1959 <sup>2</sup>	53,268	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	8,238	2,628	7,378	2,270	1,536	4,547
1961	53,999	45,404	19,857	672	2,859	16,326	34,142	3,903	3,142	8,195	2,688	7,619	2,279	1,607	4,708
1962	55,549	46,660	20,451	650	2,948	16,853	35,098	3,906	3,207	8,359	2,754	7,982	2,340	1,668	4,881
1963	56,653	47,429	20,640	635	3,010	16,995	36,013	3,903	3,258	8,520	2,830	8,277	2,358	1,747	5,121
1964	58,283	48,686	21,005	634	3,097	17,274	37,278	3,951	3,347	8,812	2,911	8,660	2,348	1,856	5,392
1965	60,765	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	4,268	3,700	9,906	3,185	10,045	2,719	2,302	6,371
1968	67,897	56,058	23,737	606	3,350	19,781	44,160	4,318	3,791	10,308	3,337	10,567	2,737	2,442	6,660
1969	70,384	58,189	24,361	619	3,575	20,167	46,023	4,442	3,919	10,785	3,512	11,169	2,758	2,533	6,904
1970	70,880	58,325	23,578	623	3,588	19,367	47,302	4,515	4,006	11,034	3,645	11,548	2,731	2,664	7,158
1971	71,214	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	11,822	3,908	12,276	2,684	2,859	7,790
1973	76,790	63,058	24,893	642	4,097	20,154	51,897	4,656	4,291	12,315	4,046	12,857	2,663	2,923	8,146
1974	78,265	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	76,945	62,259	22,600	752	3,525	18,323	54,345	4,542	4,430	12,630	4,165	13,892	2,748	3,179	8,758
1976	79,382	64,511	23,352	779	3,576	18,997	56,030	4,582	4,562	13,193	4,271	14,551	2,733	3,273	8,865
1977	82,471	67,344	24,346	813	3,851	19,682	58,125	4,713	4,723	13,792	4,467	15,302	2,727	3,377	9,023
1978	86,697	71,026	25,585	851	4,229	20,505	61,113	4,923	4,985	14,556	4,724	16,252	2,753	3,474	9,446
1979	89,823	73,876	26,461	958	4,463	21,040	63,363	5,136	5,221	14,972	4,975	17,112	2,773	3,541	9,633
1980	90,406	74,166	25,658	1,027	4,346	20,285	64,748	5,146	5,292	15,018	5,160	17,890	2,866	3,610	9,765
1981	91,152	75,121	25,497	1,139	4,188	20,170	65,655	5,165	5,375	15,171	5,298	18,615	2,772	3,640	9,619
1982	89,544	73,707	23,812	1,128	3,904	18,780	65,732	5,081	5,295	15,158	5,340	19,021	2,739	3,640	9,458
1983	90,152	74,282	23,330	952	3,946	18,432	66,821	4,952	5,283	15,587	5,466	19,664	2,774	3,662	9,434
1984	94,408	78,384	24,718	966	4,380	19,372	69,690	5,156	5,568	16,512	5,684	20,746	2,807	3,734	9,482
1985	97,387	80,992	24,842	927	4,668	19,248	72,544	5,233	5,727	17,315	5,948	21,927	2,875	3,832	9,687
1986	99,344	82,651	24,533	777	4,810	18,947	74,811	5,247	5,761	17,880	6,273	22,957	2,899	3,893	9,901
1987	101,958	84,948	24,674	717	4,958	18,999	77,284	5,362	5,848	18,422	6,533	24,110	2,943	3,967	10,100
1988	105,210	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	6,668	26,907	2,988	4,182	10,609
1990	109,419	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	28,336	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															
<b>1992:</b>															
October	108,789	90,079	22,995	618	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	4,462	17,917	85,926	5,699	6,061	19,405	6,569	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	2,968	4,431	11,367
<b>1993:</b>															
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	2,944	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	17,863	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	87,160	5,711	6,110	19,751	6,590	30,175	2,901	4,451	11,471
July	110,338	91,497	22,948	595	4,593	17,760	87,390	5,709	6,126	19,790	6,604	30,320	2,896	4,477	11,468
August	110,305	91,478	22,903	592	4,593	17,718	87,402	5,690	6,107	19,795	6,602	30,381	2,906	4,471	11,450
September <sup>p</sup>	110,467	91,568	22,888	596	4,595	17,697	87,579	5,695	6,114	19,838	6,614	30,419	2,903	4,506	11,490
October <sup>p</sup>	110,644	91,753	22,931	597	4,625	17,709	87,713	5,692	6,127	19,836	6,634	30,533	2,905	4,489	11,497

<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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Total</b> .....		109,129	109,616	110,101	110,943	111,515	-	-	-	-	-
<b>Total private</b> .....		90,673	90,660	92,430	92,323	92,370	73,663	73,691	75,375	75,274	75,308
<b>Mining</b> .....		621	622	601	601	601	442	443	425	426	425
Metal mining .....	10	53.5	53.1	47.3	50.9	-	42.0	41.8	37.7	41.2	-
Iron ores .....	101	9.1	9.0	6.0	10.3	-	7.0	7.0	4.7	8.6	-
Copper ores .....	102	15.2	15.1	14.8	14.7	-	12.3	12.3	12.2	12.2	-
Coal mining .....	12	124.7	121.8	95.8	95.8	-	100.7	98.5	75.8	75.4	-
Bituminous coal and lignite mining .....	122	115.9	113.3	87.8	87.8	-	93.4	91.5	69.3	68.7	-
Oil and gas extraction .....	13	337.7	342.5	353.7	351.3	352.3	219.4	223.2	232.9	230.7	-
Crude petroleum and natural gas .....	131	171.4	172.8	166.6	164.0	-	86.8	87.3	82.0	79.3	-
Oil and gas field services .....	138	160.6	163.7	181.4	182.0	-	128.5	131.5	146.7	147.4	-
Nonmetallic minerals, except fuels .....	14	105.5	104.7	103.8	103.1	-	79.6	79.0	78.9	78.4	-
Crushed and broken stone .....	142	38.9	38.6	39.1	38.8	-	30.1	29.9	30.8	30.6	-
Sand and gravel .....	144	34.6	34.2	34.4	34.1	-	-	-	-	-	-
Chemical and fertilizer minerals .....	147	14.8	14.7	12.9	13.0	-	-	-	-	-	-
<b>Construction</b> .....		4,712	4,700	4,919	4,871	4,870	3,652	3,646	3,852	3,812	3,809
General building contractors .....	15	1,103.8	1,095.3	1,116.0	1,099.2	1,103.3	790.1	783.5	801.0	786.9	-
Residential building construction .....	152	542.8	536.8	552.2	542.0	-	375.2	369.7	381.0	372.5	-
Operative builders .....	153	27.1	27.0	27.3	27.1	-	12.4	12.4	11.9	11.7	-
Nonresidential building construction .....	154	533.9	531.5	536.5	530.1	-	402.5	401.4	408.1	402.7	-
Heavy construction, except building .....	16	779.2	788.3	780.8	787.7	-	655.8	664.4	661.0	668.3	-
Highway and street construction .....	161	256.2	250.0	274.7	272.8	-	216.5	209.8	234.8	232.9	-
Heavy construction, except highway .....	162	523.0	538.3	506.1	514.9	-	439.3	454.6	426.2	435.4	-
Special trade contractors .....	17	2,829.0	2,816.5	3,021.8	2,984.0	-	2,205.8	2,197.6	2,390.3	2,356.4	-
Plumbing, heating, and air conditioning .....	171	614.1	615.4	644.6	636.5	-	447.6	449.0	475.4	468.4	-
Painting and paper hanging .....	172	169.0	167.1	187.5	182.4	-	140.5	138.9	158.4	154.0	-
Electrical work .....	173	507.8	508.1	528.5	523.1	-	392.3	392.9	412.2	406.4	-
Masonry, stonework, and plastering .....	174	419.4	415.3	456.2	451.1	-	358.6	356.0	395.0	389.5	-
Carpentry and floor work .....	175	173.5	172.6	181.7	179.8	-	128.5	126.6	137.7	135.8	-
Roofing, siding, and sheet metal work .....	176	203.5	204.4	220.5	219.7	-	162.5	164.0	179.6	178.6	-
<b>Manufacturing</b> .....		18,126	18,036	17,864	17,882	17,838	12,349	12,274	12,198	12,244	12,206
<b>Durable goods</b> .....		10,234	10,189	10,010	10,044	10,043	6,816	6,787	6,691	6,745	6,747
Lumber and wood products .....	24	686.9	685.7	698.7	699.4	698.5	565.4	563.6	576.8	577.7	577.3
Logging .....	241	80.3	80.7	80.0	80.7	-	66.3	66.7	65.9	66.7	-
Sawmills and planing mills .....	242	179.0	178.1	178.3	177.9	-	155.4	154.6	154.6	154.1	-
Sawmills and planing mills, general .....	2421	143.8	142.7	142.7	142.2	-	124.4	123.5	123.7	123.2	-
Hardwood dimension and flooring mills .....	2426	33.0	33.3	33.6	33.6	-	29.1	29.3	29.2	29.2	-
Millwork, plywood, and structural members .....	243	245.2	244.0	250.1	250.5	-	196.9	195.2	201.3	201.7	-
Millwork .....	2431	102.2	101.6	103.5	103.8	-	79.9	79.1	81.0	81.1	-
Wood kitchen cabinets .....	2434	67.2	67.3	69.0	69.0	-	53.3	53.2	54.8	55.0	-
Hardwood veneer and plywood .....	2435	22.5	22.4	23.0	22.9	-	19.4	19.2	19.7	19.6	-
Softwood veneer and plywood .....	2436	27.5	27.5	27.3	27.3	-	24.8	24.7	24.8	24.8	-
Wood containers .....	244	42.9	43.0	44.0	43.8	-	36.0	35.8	37.3	37.3	-
Wood buildings and mobile homes .....	245	58.9	59.3	64.7	65.0	-	45.4	46.0	51.0	51.2	-
Mobile homes .....	2451	42.4	42.9	48.3	48.6	-	35.0	35.6	40.3	40.6	-
Miscellaneous wood products .....	249	80.6	80.6	81.6	81.5	-	65.4	65.3	66.7	66.7	-
Furniture and fixtures .....	25	478.4	480.6	480.8	483.2	485.2	377.3	380.2	378.5	382.4	384.6
Household furniture .....	251	268.2	271.7	268.8	270.8	-	223.3	226.8	223.6	226.0	-
Wood household furniture .....	2511	120.3	122.1	121.0	121.0	-	102.9	104.9	103.5	103.9	-
Upholstered household furniture .....	2512	86.6	87.0	87.3	87.4	-	72.0	72.4	72.6	73.0	-
Metal household furniture .....	2514	19.5	20.1	17.2	18.7	-	15.6	16.2	13.5	15.1	-
Mattresses and bedsprings .....	2515	28.1	28.3	29.2	29.6	-	21.5	21.6	22.3	22.5	-

See footnotes at end of table.



**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Durable goods—Continued</b>											
Furniture and fixtures—Continued											
Office furniture .....	252	63.5	62.6	62.5	62.8	-	46.6	46.1	45.3	46.3	-
Public building and related furniture .....	253	35.4	35.1	36.0	36.1	-	27.9	27.6	28.6	28.6	-
Partitions and fixtures .....	254	77.1	76.8	78.9	78.6	-	56.8	56.7	58.0	57.9	-
Miscellaneous furniture and fixtures .....	259	34.2	34.4	34.6	34.9	-	22.7	23.0	23.0	23.6	-
Stone, clay, and glass products .....	32	523.8	519.8	523.4	523.3	522.2	406.8	402.0	404.6	405.6	403.6
Flat glass .....	321	14.6	14.5	14.1	14.2	-	11.5	11.4	10.8	10.9	-
Glass and glassware, pressed or blown .....	322	80.7	78.3	78.3	79.2	-	68.8	65.9	65.6	66.6	-
Glass containers .....	3221	36.6	35.7	35.2	35.0	-	33.1	31.8	31.6	31.3	-
Pressed and blown glass, nec .....	3229	44.1	42.6	43.1	44.2	-	35.7	34.1	34.0	35.3	-
Products of purchased glass .....	323	60.2	60.4	58.8	59.4	-	45.7	45.8	44.6	45.0	-
Cement, hydraulic .....	324	17.3	17.2	17.2	16.8	-	13.4	13.3	13.2	12.9	-
Structural clay products .....	325	31.6	31.3	31.8	31.3	-	24.6	24.7	24.6	24.1	-
Pottery and related products .....	326	37.8	37.7	38.0	38.5	-	29.5	29.5	29.7	30.2	-
Concrete, gypsum, and plaster products .....	327	193.6	192.8	197.8	196.6	-	147.8	147.0	151.3	150.6	-
Concrete block and brick .....	3271	17.0	16.9	17.2	17.0	-	11.0	10.9	11.1	10.9	-
Concrete products, nec .....	3272	64.6	64.1	64.2	63.9	-	48.4	47.9	48.1	48.0	-
Ready-mixed concrete .....	3273	95.3	95.0	99.4	98.9	-	75.4	75.1	78.6	78.4	-
Misc. nonmetallic mineral products .....	329	74.2	74.0	73.9	73.7	-	55.6	54.7	54.9	55.3	-
Abrasive products .....	3291	19.3	19.2	19.4	19.2	-	14.2	14.1	14.4	14.4	-
Asbestos products .....	3292	3.1	2.9	3.0	3.0	-	2.5	2.3	2.4	2.4	-
Mineral wool .....	3296	21.9	21.8	21.5	21.5	-	-	-	-	-	-
Primary metal industries .....	33	693.2	688.5	673.0	673.4	671.7	526.4	521.9	512.1	515.3	510.4
Blast furnaces and basic steel products .....	331	249.0	246.3	237.6	235.0	233.8	188.6	186.2	181.1	180.8	175.6
Blast furnaces and steel mills .....	3312	185.2	183.2	174.3	171.6	-	140.5	138.9	134.0	133.6	-
Steel pipe and tubes .....	3317	25.0	24.6	25.4	25.3	-	18.7	18.4	18.5	18.4	-
Iron and steel foundries .....	332	121.1	120.2	117.2	118.6	-	97.3	96.1	93.2	94.9	-
Gray and ductile iron foundries .....	3321	75.8	75.1	74.6	75.7	-	61.8	60.8	59.9	61.1	-
Malleable iron foundries .....	3322	6.0	6.1	6.0	5.8	-	4.9	5.0	4.6	4.6	-
Steel foundries, nec .....	3325	24.3	24.1	23.9	24.3	-	18.9	18.7	18.8	19.3	-
Primary nonferrous metals .....	333	43.6	43.4	42.4	42.1	-	33.2	33.0	32.1	31.9	-
Primary aluminum .....	3334	25.4	25.3	24.2	24.0	-	20.2	20.0	18.8	18.8	-
Nonferrous rolling and drawing .....	335	162.0	160.8	159.8	160.9	-	117.6	116.6	116.1	117.2	-
Copper rolling and drawing .....	3351	22.7	22.5	22.3	22.5	-	17.3	17.1	17.0	17.1	-
Aluminum sheet, plate, and foil .....	3353	24.5	24.3	23.3	23.3	-	16.2	16.2	15.2	15.5	-
Nonferrous wire drawing and insulating .....	3357	68.4	68.0	68.3	68.8	-	50.1	49.7	50.0	50.2	-
Nonferrous foundries (castings) .....	336	76.8	77.1	75.3	75.8	-	60.3	60.7	60.2	60.9	-
Aluminum foundries .....	3365	22.6	22.4	21.6	22.0	-	18.0	17.8	17.2	17.7	-
Fabricated metal products .....	34	1,327.9	1,322.8	1,307.1	1,316.6	1,318.4	977.9	973.4	964.8	975.5	977.9
Metal cans and shipping containers .....	341	44.7	43.5	42.9	42.5	-	38.7	37.5	37.0	36.7	-
Metal cans .....	3411	35.6	34.8	34.5	34.2	-	31.4	30.5	30.2	29.9	-
Cutlery, handtools, and hardware .....	342	123.3	122.8	122.0	123.0	-	91.4	91.1	90.7	91.6	-
Hand and edge tools, and blades and handsaws .....	3423,5	40.9	40.6	40.9	41.5	-	30.3	30.1	30.8	31.2	-
Hardware, nec .....	3429	70.7	70.5	69.2	69.7	-	53.0	52.9	51.8	52.4	-
Plumbing and heating, except electric .....	343	57.1	57.6	57.0	57.7	-	40.6	41.1	40.8	41.6	-
Plumbing fixture fittings and trim .....	3432	23.9	24.1	23.9	24.1	-	17.8	17.9	17.8	17.9	-
Heating equipment, except electric .....	3433	20.1	20.3	20.0	20.4	-	13.3	13.6	13.2	13.6	-
Fabricated structural metal products .....	344	392.6	391.2	389.6	391.7	-	278.5	277.4	277.2	279.9	-
Fabricated structural metal .....	3441	68.7	68.2	66.9	67.1	-	49.5	48.9	47.5	47.9	-
Metal doors, sash, and trim .....	3442	70.8	70.9	71.5	71.4	-	51.5	51.5	52.4	52.3	-
Fabricated plate work (boiler shops) .....	3443	98.9	98.4	94.9	95.8	-	66.8	66.4	64.3	65.5	-
Sheet metal work .....	3444	91.6	91.5	93.5	94.1	-	68.8	68.9	70.5	71.1	-
Architectural metal work .....	3446	26.7	26.6	25.3	25.4	-	18.6	18.5	17.7	18.0	-
Screw machine products, bolts, etc .....	345	89.5	89.3	89.0	89.5	-	68.2	68.3	68.3	68.7	-
Screw machine products .....	3451	44.6	44.3	44.8	45.6	-	36.0	36.0	36.4	37.0	-
Bolts, nuts, rivets, and washers .....	3452	44.9	45.0	44.2	43.9	-	32.2	32.3	31.9	31.7	-
Metal forgings and stampings .....	346	218.7	218.5	214.0	217.9	-	174.4	173.9	170.0	174.2	-
Iron and steel forgings .....	3462	29.3	29.0	28.0	28.6	-	22.4	22.1	21.2	21.9	-
Automotive stampings .....	3465	98.7	98.9	96.4	98.8	-	83.3	83.5	81.4	83.6	-
Metal stampings, nec .....	3469	78.6	78.5	78.1	79.0	-	59.7	59.4	59.1	60.4	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Fabricated metal products—Continued											
Metal services, nec .....	347	115.6	115.0	113.8	114.5	-	89.3	88.7	88.6	89.3	-
Plating and polishing .....	3471	72.0	71.8	71.5	71.8	-	55.5	55.2	55.6	56.0	-
Metal coating and allied services .....	3479	43.6	43.2	42.3	42.7	-	33.8	33.5	33.0	33.3	-
Ordnance and accessories, nec .....	348	64.5	63.1	56.8	57.1	-	37.0	35.9	31.6	32.3	-
Ammunition, except for small arms, nec .....	3483	40.1	39.1	34.1	34.0	-	20.1	19.3	16.5	16.8	-
Miscellaneous fabricated metal products .....	349	221.9	221.8	222.0	222.7	-	159.8	159.5	160.6	161.2	-
Valves and pipe fittings, nec .....	3494	24.1	23.8	23.7	23.6	-	17.2	17.0	17.6	17.5	-
Misc. fabricated wire products .....	3496	51.4	51.4	52.1	52.3	-	38.8	38.6	39.6	39.7	-
Industrial machinery and equipment .....	35	1,916.4	1,907.8	1,883.3	1,891.5	1,890.2	1,147.0	1,141.3	1,134.4	1,147.1	1,147.4
Engines and turbines .....	351	88.3	87.9	87.3	88.5	-	55.4	55.1	54.1	55.1	-
Turbines and turbine generator sets .....	3511	28.5	28.5	28.1	28.5	-	16.9	16.9	16.2	16.5	-
Internal combustion engines, nec .....	3519	59.8	59.4	59.2	60.0	-	38.5	38.2	37.9	38.6	-
Farm and garden machinery .....	352	89.8	90.5	93.7	96.3	-	63.0	63.5	67.1	69.7	-
Farm machinery and equipment .....	3523	68.4	66.6	70.6	71.3	-	47.5	45.4	49.4	50.2	-
Construction and related machinery .....	353	204.8	203.5	207.6	208.4	-	122.9	121.3	126.2	128.1	-
Construction machinery .....	3531	77.0	75.8	78.6	78.8	-	46.1	44.7	47.6	48.6	-
Mining machinery .....	3532	15.8	15.6	14.5	14.5	-	9.4	9.2	8.5	8.5	-
Oil and gas field machinery .....	3533	37.3	37.4	37.3	37.9	-	23.5	23.6	24.4	25.0	-
Conveyors and conveying equipment .....	3535	33.3	33.1	34.8	34.8	-	18.3	18.1	19.5	19.6	-
Industrial trucks and tractors .....	3537	24.5	24.6	25.6	25.8	-	16.3	16.4	16.7	16.9	-
Metalworking machinery .....	354	302.6	302.6	304.0	305.2	-	212.5	212.5	212.2	213.7	-
Machine tools, metal cutting types .....	3541	37.8	37.4	36.4	36.4	-	23.2	22.8	21.8	22.1	-
Machine tools, metal forming types .....	3542	15.2	15.1	15.1	15.1	-	9.3	9.3	9.4	9.3	-
Special dies, tools, jigs, and fixtures .....	3544	137.9	138.2	141.1	141.6	-	104.8	105.2	107.2	107.8	-
Machine tool accessories .....	3545	48.4	48.4	47.9	48.1	-	34.1	34.1	32.9	33.2	-
Power driven handtools .....	3546	23.6	23.6	23.7	23.8	-	15.9	15.8	16.0	16.0	-
Special industry machinery .....	355	147.0	146.8	146.1	145.9	-	84.4	83.8	83.0	83.2	-
Textile machinery .....	3552	15.2	15.2	15.8	15.8	-	10.1	10.0	10.5	10.5	-
Printing trades machinery .....	3555	21.6	21.4	20.3	20.1	-	11.5	11.3	10.4	10.3	-
Food products machinery .....	3556	22.6	22.6	22.6	22.5	-	13.4	13.3	13.3	13.4	-
General industrial machinery .....	356	235.3	234.6	231.9	232.7	-	149.5	149.0	146.4	147.1	-
Pumps and pumping equipment .....	3561	31.4	31.1	30.1	30.0	-	17.5	17.3	16.6	16.5	-
Ball and roller bearings .....	3562	38.5	38.3	36.0	36.2	-	30.5	30.4	28.4	28.6	-
Air and gas compressors .....	3563	25.4	25.3	23.7	24.5	-	14.0	13.8	12.1	12.6	-
Blowers and fans .....	3564	31.0	30.9	31.8	31.9	-	21.0	21.0	21.5	21.6	-
Speed changers, drives, and gears .....	3566	15.9	15.9	16.4	16.3	-	11.1	11.1	11.5	11.4	-
Power transmission equipment, nec .....	3568	19.2	19.2	19.6	19.4	-	12.7	12.7	12.9	13.0	-
Computer and office equipment .....	357	388.4	384.4	355.1	351.6	-	129.4	128.3	117.4	116.3	-
Electronic computers .....	3571	237.3	233.1	204.1	200.6	-	60.1	59.0	52.3	51.4	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	58.2	58.2	55.3	56.2	-	26.9	26.9	22.9	23.3	-
Refrigeration and service machinery .....	358	171.5	169.4	172.3	176.5	-	120.2	118.2	119.6	124.2	-
Refrigeration and heating equipment .....	3585	116.2	114.4	115.7	119.1	-	85.3	83.7	83.9	87.7	-
Misc. industrial and commercial machinery .....	359	288.7	288.1	285.3	286.4	-	209.7	209.6	208.4	209.7	-
Carburetors, pistons, rings, valves .....	3592	21.0	20.7	20.6	20.8	-	16.9	16.6	16.6	16.8	-
Scales, balances, and industrial machinery, nec .....	3596,9	224.5	224.5	222.6	223.6	-	167.8	168.2	167.5	168.6	-
Electronic and other electrical equipment .....	36	1,519.0	1,517.9	1,507.9	1,510.6	1,514.6	967.2	968.5	959.0	965.1	969.6
Electric distribution equipment .....	361	82.3	82.4	80.7	80.1	-	56.5	56.5	55.9	55.0	-
Transformers, except electronic .....	3612	40.8	40.9	40.2	39.9	-	28.6	28.6	28.6	28.1	-
Switchgear and switchboard apparatus .....	3613	41.5	41.5	40.5	40.2	-	27.9	27.9	27.3	26.9	-
Electrical industrial apparatus .....	362	156.6	156.2	156.6	157.8	-	109.9	109.6	109.1	110.1	-
Motors and generators .....	3621	77.5	77.4	77.6	79.4	-	59.9	60.0	59.5	60.9	-
Relays and industrial controls .....	3625	60.0	59.7	59.8	59.1	-	36.8	36.4	35.8	35.4	-
Household appliances .....	363	115.8	115.2	120.7	122.5	-	92.1	91.6	96.1	98.4	-
Household refrigerators and freezers .....	3632	26.8	26.0	27.3	27.7	-	22.3	21.7	23.5	24.0	-
Household laundry equipment .....	3633	18.2	17.8	18.4	18.4	-	13.5	13.2	14.5	14.6	-
Electric housewares and fans .....	3634	29.8	29.6	30.9	32.1	-	23.1	22.9	24.4	25.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers <sup>1</sup>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment .....	364	173.8	174.4	171.4	172.5	-	125.4	126.1	123.2	125.1	-
Electric lamps .....	3641	20.9	21.1	20.5	20.7	-	17.6	17.6	16.1	16.4	-
Current-carrying wiring devices .....	3643	64.4	64.0	63.0	63.3	-	42.7	42.5	41.8	42.2	-
Noncurrent-carrying wiring devices .....	3644	19.0	19.0	19.1	19.2	-	13.7	13.7	13.7	14.1	-
Residential lighting fixtures .....	3645	20.5	20.9	20.0	19.9	-	15.5	16.0	15.0	15.2	-
Household audio and video equipment .....	365	83.7	84.3	83.1	84.0	-	56.8	57.3	54.7	55.9	-
Household audio and video equipment .....	3651	59.4	59.3	58.7	58.9	-	38.5	38.5	37.1	37.6	-
Communications equipment .....	366	235.3	234.7	229.8	229.5	-	119.6	120.0	116.3	116.2	-
Telephone and telegraph apparatus .....	3661	108.1	107.7	104.5	104.2	-	59.3	59.5	56.9	56.8	-
Electronic components and accessories .....	367	520.9	520.6	515.2	513.7	-	302.9	303.8	299.1	299.2	-
Electron tubes .....	3671	25.8	25.8	23.4	23.2	-	17.1	17.2	15.7	15.6	-
Semiconductors and related devices .....	3674	215.8	215.5	214.7	214.8	-	89.9	90.1	90.2	90.8	-
Electronic components, nec .....	3679	123.5	123.1	121.0	120.9	-	80.2	80.4	78.7	78.8	-
Misc. electrical equipment and supplies .....	369	150.6	150.1	150.4	150.5	-	104.0	103.6	104.6	105.2	-
Storage batteries .....	3691	25.3	25.1	24.8	25.2	-	19.7	19.7	19.2	19.5	-
Engine electrical equipment .....	3694	63.1	62.5	63.8	63.9	-	48.0	47.5	49.2	49.4	-
Transportation equipment .....	37	1,803.6	1,784.6	1,698.1	1,709.1	1,705.4	1,133.5	1,122.3	1,075.2	1,089.0	1,087.3
Motor vehicles and equipment .....	371	811.7	805.5	810.7	824.0	826.0	622.2	618.4	619.0	631.4	632.1
Motor vehicles and car bodies .....	3711	317.1	309.8	309.0	318.0	-	230.0	224.7	219.7	227.4	-
Truck and bus bodies .....	3713	33.5	33.4	36.0	35.7	-	26.3	26.3	28.6	28.5	-
Motor vehicle parts and accessories .....	3714	416.8	418.4	417.6	422.2	-	331.4	333.3	332.4	337.0	-
Truck trailers .....	3715	27.1	26.7	29.7	30.0	-	21.5	21.1	23.8	24.3	-
Aircraft and parts .....	372	596.7	590.6	526.3	527.2	522.3	282.9	277.7	240.8	243.0	-
Aircraft .....	3721	326.0	323.0	297.0	294.5	-	134.7	131.0	119.8	118.7	-
Aircraft engines and engine parts .....	3724	123.9	121.9	106.4	109.5	-	63.2	62.3	51.6	53.7	-
Aircraft parts and equipment, nec .....	3728	146.8	145.7	122.9	123.2	-	85.0	84.4	69.4	70.6	-
Ship and boat building and repairing .....	373	167.7	163.4	153.9	151.9	-	129.1	126.5	119.5	118.4	-
Ship building and repairing .....	3731	122.4	118.1	108.7	106.6	-	92.3	89.6	82.4	81.2	-
Boat building and repairing .....	3732	45.3	45.3	45.2	45.3	-	36.8	36.9	37.1	37.2	-
Railroad equipment .....	374	27.6	27.7	27.2	27.2	-	20.7	20.8	20.1	20.2	-
Guided missiles, space vehicles, and parts .....	376	139.6	136.6	117.2	116.0	-	38.3	37.7	32.7	32.6	-
Guided missiles and space vehicles .....	3761	101.2	98.8	84.8	83.7	-	26.1	25.6	21.8	21.8	-
Miscellaneous transportation equipment .....	379	44.7	44.9	46.1	46.1	-	28.7	29.3	30.7	31.1	-
Travel trailers and campers .....	3792	17.0	17.2	18.8	18.9	-	13.6	14.0	15.2	15.4	-
Instruments and related products .....	38	917.5	912.2	875.4	870.5	867.2	449.9	447.8	426.5	424.1	423.4
Search and navigation equipment .....	381	222.2	219.5	198.4	197.1	-	70.8	70.0	61.8	61.6	-
Measuring and controlling devices .....	382	288.6	285.9	274.6	272.9	-	151.5	149.6	140.8	139.1	-
Environmental controls .....	3822	43.6	43.2	41.9	41.0	-	29.7	29.4	27.7	26.8	-
Process control instruments .....	3823	59.2	58.6	56.0	56.1	-	28.2	27.9	26.5	26.6	-
Instruments to measure electricity .....	3825	75.4	74.5	71.7	70.9	-	36.9	36.1	33.9	33.4	-
Medical instruments and supplies .....	384	265.0	264.7	264.6	263.4	-	153.9	154.4	152.4	152.0	-
Surgical and medical instruments .....	3841	107.6	107.3	110.5	110.0	-	63.9	64.3	65.7	65.6	-
Surgical appliances and supplies .....	3842	96.3	96.5	94.7	94.4	-	62.6	62.6	60.4	60.0	-
Ophthalmic goods .....	385	38.1	38.2	38.0	37.9	-	25.5	25.6	25.8	25.8	-
Photographic equipment and supplies .....	386	94.7	94.8	91.4	90.8	-	40.9	40.7	39.0	39.1	-
Watches, clocks, watchcases, and parts .....	387	8.9	9.1	8.4	8.4	-	7.3	7.5	6.7	6.5	-
Miscellaneous manufacturing industries .....	39	367.6	369.2	362.6	366.0	369.3	265.0	266.1	259.4	262.8	265.9
Jewelry, silverware, and plated ware .....	391	50.7	51.7	49.4	50.0	-	36.2	37.2	35.1	35.6	-
Jewelry, precious metal .....	3911	37.2	38.1	36.5	37.2	-	26.3	27.2	25.8	26.4	-
Musical instruments .....	393	13.0	13.0	13.1	12.9	-	10.7	10.7	10.6	10.5	-
Toys and sporting goods .....	394	107.2	108.4	104.1	106.2	-	78.3	79.3	73.8	76.2	-
Dolls, games, toys, and children's vehicles .....	3942.4	42.8	43.9	42.4	43.2	-	30.9	32.1	29.4	29.9	-
Sporting and athletic goods, nec .....	3949	64.4	64.5	61.7	63.0	-	47.4	47.2	44.4	46.3	-
Pens, pencils, office, and art supplies .....	395	32.4	32.2	31.3	31.0	-	21.6	21.4	21.1	20.7	-
Costume jewelry and notions .....	396	30.6	30.8	29.8	29.7	-	22.1	22.2	22.2	22.2	-
Costume jewelry .....	3961	18.8	19.0	18.1	18.2	-	13.1	13.2	13.1	13.3	-
Miscellaneous manufactures .....	399	133.7	133.1	134.9	136.2	-	96.1	95.3	96.6	97.6	-
Signs and advertising specialties .....	3993	53.2	53.4	54.2	55.0	-	36.9	37.0	37.1	37.7	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Nondurable goods</b> .....		7,892	7,847	7,854	7,838	7,795	5,533	5,487	5,507	5,499	5,459
Food and kindred products .....	20	1,728.9	1,693.7	1,733.6	1,726.2	1,702.2	1,276.7	1,243.9	1,284.3	1,278.1	1,254.7
Meat products .....	201	438.3	441.1	446.1	447.4	-	372.0	374.6	379.8	380.9	-
Meat packing plants .....	2011	136.7	137.5	134.0	135.3	-	114.5	115.2	113.1	114.1	-
Sausages and other prepared meats .....	2013	89.8	90.4	92.4	92.3	-	68.0	68.5	70.9	71.0	-
Poultry slaughtering and processing .....	2015	211.8	213.2	219.7	219.8	-	189.5	190.9	195.8	195.8	-
Dairy products .....	202	153.6	152.3	153.6	152.0	-	96.4	95.5	97.3	96.0	-
Cheese, natural and processed .....	2022	40.4	40.5	39.5	39.5	-	32.0	32.2	31.8	31.8	-
Fluid milk .....	2026	70.5	70.1	69.6	69.7	-	36.5	36.2	36.7	36.6	-
Preserved fruits and vegetables .....	203	299.5	262.6	309.5	300.1	-	258.9	222.6	267.6	259.3	-
Canned specialties .....	2032	24.7	23.6	25.7	26.7	-	20.9	19.9	21.7	22.7	-
Canned fruits and vegetables .....	2033	124.1	91.8	131.0	123.8	-	109.5	78.1	116.1	109.4	-
Frozen fruits and vegetables .....	2037	55.6	55.1	56.1	55.1	-	49.5	48.8	50.2	49.2	-
Grain mill products .....	204	125.5	125.9	123.2	124.8	-	89.2	89.4	88.2	89.6	-
Flour and other grain mill products .....	2041	19.7	20.0	20.3	20.7	-	13.0	13.4	13.9	14.3	-
Prepared feeds, nec .....	2048	42.1	42.6	41.2	41.4	-	26.7	27.2	26.3	26.6	-
Bakery products .....	205	209.7	210.0	207.8	209.1	-	135.9	136.1	134.5	135.4	-
Bread, cake, and related products .....	2051	149.2	149.7	147.2	147.7	-	89.1	89.3	88.0	88.2	-
Cookies, crackers, and frozen bakery products, except bread .....	2052.3	60.5	60.3	60.6	61.4	-	46.8	46.8	46.5	47.2	-
Sugar and confectionery products .....	206	109.1	115.7	99.0	104.3	-	85.8	92.4	76.3	82.0	-
Raw cane sugar .....	2061	7.4	8.7	6.9	7.2	-	5.6	6.8	5.4	5.8	-
Cane sugar refining .....	2062	5.1	4.7	4.9	4.9	-	3.7	3.3	3.5	3.5	-
Beet sugar .....	2063	9.4	14.0	7.7	10.2	-	8.3	12.6	6.6	9.1	-
Candy and other confectionery products .....	2064	55.4	56.5	50.2	51.4	-	44.6	45.9	40.0	41.2	-
Fats and oils .....	207	32.1	33.2	31.3	31.3	-	21.2	22.1	20.7	20.7	-
Beverages .....	208	178.6	174.9	179.8	179.6	-	79.4	77.3	82.0	82.0	-
Malt beverages .....	2082	39.6	38.8	38.8	38.0	-	24.0	23.1	23.9	23.3	-
Bottled and canned soft drinks .....	2086	94.1	92.8	98.2	97.0	-	33.5	33.1	37.4	36.7	-
Misc. food and kindred products .....	209	182.5	178.0	183.3	177.6	-	137.9	133.9	137.9	132.2	-
Tobacco products .....	21	51.6	51.2	46.1	48.1	48.1	39.7	39.3	34.3	36.8	37.0
Cigarettes .....	211	34.5	34.3	32.8	32.2	-	26.2	26.0	24.6	24.3	-
Textile mill products .....	22	677.0	670.0	666.5	668.9	665.4	579.8	572.2	567.0	569.0	566.6
Broadwoven fabric mills, cotton .....	221	86.8	86.4	84.0	85.5	-	77.1	76.6	74.3	75.9	-
Broadwoven fabric mills, synthetics .....	222	69.6	69.1	68.4	68.4	-	59.9	59.0	57.6	57.7	-
Broadwoven fabric mills, wool .....	223	17.6	17.3	17.7	17.7	-	14.7	14.4	15.0	14.9	-
Narrow fabric mills .....	224	21.5	21.3	21.6	21.7	-	18.2	18.0	18.2	18.3	-
Knitting mills .....	225	203.6	200.8	197.4	197.0	-	177.7	174.8	170.8	170.4	-
Women's hosiery, except socks .....	2251	29.4	29.2	27.4	26.8	-	26.2	26.0	24.0	23.5	-
Hosiery, nec .....	2252	39.9	38.8	39.1	39.2	-	36.0	35.0	35.2	35.2	-
Knit outerwear mills .....	2253	59.1	58.4	57.0	56.6	-	51.9	51.1	49.5	49.1	-
Knit underwear mills .....	2254	27.1	26.9	26.2	26.1	-	23.5	23.3	22.6	22.6	-
Weft knit fabric mills .....	2257	27.0	26.8	26.1	26.7	-	23.0	22.7	22.0	22.5	-
Textile finishing, except wool .....	226	68.2	67.1	68.5	69.2	-	56.4	55.4	56.2	56.6	-
Finishing plants, cotton .....	2261	30.7	29.8	30.9	31.1	-	25.5	24.9	25.7	25.9	-
Finishing plants, synthetics .....	2262	23.4	23.5	23.7	23.8	-	18.9	18.9	18.9	18.8	-
Carpets and rugs .....	227	59.4	59.7	60.5	61.1	-	48.1	48.3	48.6	49.0	-
Yarn and thread mills .....	228	98.9	97.3	97.2	96.9	-	88.5	86.8	87.0	86.5	-
Yarn spinning mills .....	2281	78.5	77.4	77.4	77.1	-	70.7	69.6	69.7	69.4	-
Throwing and winding mills .....	2282	13.7	13.7	13.2	13.2	-	11.8	11.8	11.6	11.4	-
Miscellaneous textile goods .....	229	51.4	51.0	51.2	51.4	-	39.2	38.9	39.3	39.7	-
Apparel and other textile products .....	23	1,003.2	1,004.3	975.5	974.9	969.8	841.5	841.7	816.4	816.9	812.5
Men's and boys' suits and coats .....	231	44.3	43.9	42.6	43.6	-	36.9	36.5	35.3	36.5	-
Men's and boys' furnishings .....	232	277.5	278.6	274.6	272.9	-	239.2	240.1	236.8	236.0	-
Men's and boys' shirts .....	2321	67.1	67.3	64.8	64.0	-	57.7	57.9	55.7	55.3	-
Men's and boys' trousers and slacks .....	2325	83.1	84.2	84.6	84.1	-	72.6	73.5	74.0	73.8	-
Men's and boys' work clothing .....	2326	41.0	41.2	41.2	41.0	-	35.9	36.0	36.0	35.8	-
Women's and misses' outerwear .....	233	314.0	312.9	295.5	294.0	-	263.5	262.4	246.4	244.3	-
Women's and misses' blouses and shirts .....	2331	35.3	34.9	33.1	32.5	-	28.8	28.3	27.0	26.3	-
Women's, juniors', and misses' dresses .....	2335	54.9	54.8	49.1	48.4	-	44.5	44.3	39.3	38.5	-
Women's and misses' suits and coats .....	2337	33.8	32.6	32.0	31.9	-	28.5	27.3	26.8	26.6	-
Women's and misses' outerwear, nec .....	2339	190.0	190.6	181.3	181.2	-	161.7	162.5	153.3	152.9	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Apparel and other textile products—Continued											
Women's and children's undergarments .....	234	59.0	58.8	54.9	55.1	-	48.5	48.3	45.2	45.5	-
Women's and children's underwear .....	2341	47.0	46.6	43.1	43.2	-	39.9	39.7	36.9	37.1	-
Brassieres, girdles, and allied garments .....	2342	12.0	12.2	11.8	11.9	-	8.6	8.6	8.3	8.4	-
Girls' and children's outerwear .....	236	48.7	48.3	45.4	45.1	-	41.3	40.9	38.5	38.1	-
Girls' and children's dresses and blouses .....	2361	19.4	19.2	18.5	18.2	-	16.7	16.5	15.7	15.5	-
Misc. apparel and accessories .....	238	41.4	41.1	40.5	40.2	-	33.8	33.4	32.9	32.8	-
Misc. fabricated textile products .....	239	198.3	200.3	200.6	202.5	-	161.6	163.0	163.5	165.9	-
Curtains and draperies .....	2391	20.5	20.9	19.4	19.5	-	17.1	17.4	15.5	15.6	-
House furnishings, nec .....	2392	52.2	52.7	50.2	50.9	-	44.1	44.4	42.6	43.4	-
Automotive and apparel trimmings .....	2396	50.6	51.6	52.4	53.4	-	41.1	41.9	42.3	43.4	-
Paper and allied products .....	26	692.9	688.5	683.1	680.8	676.3	523.4	518.6	516.6	514.6	510.9
Paper mills .....	262	174.0	171.4	169.0	167.8	-	132.2	130.0	128.9	127.8	-
Paperboard mills .....	263	52.2	51.3	51.8	51.7	-	40.2	39.5	39.7	39.7	-
Paperboard containers and boxes .....	265	213.6	212.5	211.4	211.5	-	167.7	166.6	165.7	165.8	-
Corrugated and solid fiber boxes .....	2653	122.1	121.8	121.8	122.6	-	92.0	91.7	92.2	92.9	-
Sanitary food containers .....	2656	16.1	15.7	16.5	16.1	-	14.2	13.8	14.4	14.1	-
Folding paperboard boxes .....	2657	50.2	49.9	48.8	48.4	-	40.7	40.6	39.6	39.1	-
Misc. converted paper products .....	267	239.2	239.5	237.6	236.3	-	172.5	171.9	172.2	170.9	-
Paper, coated and laminated, nec .....	2672	44.5	44.6	44.7	44.2	-	21.4	21.4	21.8	21.3	-
Bags: plastics, laminated, and coated .....	2673	36.2	36.1	35.5	35.5	-	27.1	26.9	26.6	26.6	-
Envelopes .....	2677	23.4	23.5	23.3	23.5	-	18.0	18.1	18.0	18.2	-
Printing and publishing .....	27	1,498.9	1,500.6	1,503.8	1,501.0	1,502.3	826.8	827.4	829.1	826.6	824.8
Newspapers .....	271	451.9	452.9	453.3	452.5	-	158.2	158.0	157.6	157.3	-
Periodicals .....	272	122.9	122.9	125.2	125.2	-	43.1	43.3	42.6	42.7	-
Books .....	273	114.8	114.5	117.9	116.3	-	62.5	61.5	63.4	61.1	-
Book publishing .....	2731	79.4	79.2	81.0	79.9	-	33.7	32.9	33.4	31.8	-
Book printing .....	2732	35.4	35.3	36.9	36.4	-	28.8	28.6	30.0	29.3	-
Miscellaneous publishing .....	274	80.1	79.7	80.3	79.3	-	38.4	38.4	38.2	38.0	-
Commercial printing .....	275	527.0	528.3	529.4	529.5	-	381.0	382.8	383.8	383.6	-
Commercial printing, lithographic .....	2752	345.9	347.0	346.7	347.0	-	248.8	250.0	250.0	249.9	-
Commercial printing, nec .....	2759	161.4	161.8	163.6	163.3	-	116.4	117.1	118.3	118.0	-
Manifold business forms .....	276	47.5	47.7	46.5	46.4	-	32.8	33.0	32.9	33.0	-
Blankbooks and bookbinding .....	278	68.8	68.0	66.2	66.6	-	52.2	51.7	50.8	50.7	-
Printing trade services .....	279	59.3	60.0	58.6	58.7	-	43.1	43.4	42.8	43.0	-
Chemicals and allied products .....	28	1,082.0	1,081.0	1,079.5	1,074.4	1,069.3	564.3	562.1	573.7	572.3	569.3
Industrial inorganic chemicals .....	281	136.6	136.5	136.9	135.8	-	60.7	60.2	58.9	58.4	-
Industrial inorganic chemicals, nec .....	2819	88.7	88.5	88.9	88.1	-	40.9	40.6	39.7	39.3	-
Plastics materials and synthetics .....	282	172.8	172.0	168.5	167.8	-	103.5	102.6	107.3	107.9	-
Plastics materials and resins .....	2821	84.5	83.8	83.0	82.5	-	51.5	51.2	52.2	52.0	-
Organic fibers, noncellulosic .....	2824	60.7	60.6	58.2	58.0	-	34.1	33.6	36.6	37.2	-
Drugs .....	283	257.0	257.7	263.1	262.1	-	111.6	112.0	115.6	115.2	-
Pharmaceutical preparations .....	2834	211.5	212.0	217.0	216.4	-	94.5	95.0	96.6	96.5	-
Soap, cleaners, and toilet goods .....	284	155.0	154.2	155.5	155.5	-	95.0	93.7	96.6	97.0	-
Soap and other detergents .....	2841	41.9	41.9	41.9	41.9	-	26.3	26.1	25.5	25.3	-
Polishing, sanitation, and finishing preparations .....	2842,3	42.6	42.8	42.8	42.7	-	23.4	23.6	25.1	24.8	-
Toilet preparations .....	2844	70.5	69.5	70.8	70.9	-	45.3	44.0	46.0	46.9	-
Paints and allied products .....	285	58.7	58.6	59.2	58.1	-	30.9	30.6	31.4	30.8	-
Industrial organic chemicals .....	286	152.1	152.8	150.5	149.2	-	74.0	74.8	79.2	78.5	-
Cyclic crudes and intermediates .....	2865	25.5	25.5	25.6	25.4	-	14.7	14.8	14.6	14.5	-
Industrial organic chemicals, nec .....	2869	123.3	124.0	121.7	120.6	-	56.9	57.7	62.2	61.7	-
Agricultural chemicals .....	287	57.2	56.7	56.6	56.3	-	33.6	33.4	32.4	32.2	-
Miscellaneous chemical products .....	289	92.6	92.5	89.2	89.6	-	55.0	54.8	52.3	52.3	-
Petroleum and coal products .....	29	159.6	159.0	158.2	156.4	155.8	105.8	105.1	104.0	103.2	102.6
Petroleum refining .....	291	119.0	118.5	116.2	114.6	-	77.2	76.7	74.5	73.7	-
Asphalt paving and roofing materials .....	295	28.9	28.7	30.3	30.2	-	22.4	22.2	23.5	23.5	-
Rubber and misc. plastics products .....	30	876.7	878.3	890.0	890.1	889.0	676.6	679.3	687.9	688.5	687.1
Tires and inner tubes .....	301	83.1	83.3	83.7	83.0	-	62.0	62.5	61.5	60.8	-
Rubber and plastics footwear .....	302	9.8	10.4	10.8	10.8	-	8.3	8.8	8.8	8.9	-
Hose, belting, gaskets, and packing .....	305	59.6	59.5	60.2	60.3	-	44.1	44.0	44.9	45.3	-
Rubber and plastics hose and belting .....	3052	23.6	23.4	23.1	23.2	-	18.1	18.0	17.8	18.1	-
Fabricated rubber products, nec .....	306	102.2	101.6	100.8	101.1	-	76.9	76.5	76.3	76.5	-
Miscellaneous plastics products, nec .....	308	622.0	623.5	634.5	634.9	-	485.3	487.5	496.4	497.0	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Leather and leather products .....	31	121.2	120.5	117.3	116.8	116.7	98.4	97.3	94.0	93.4	93.9
Leather tanning and finishing .....	311	15.3	15.4	15.5	15.5	-	12.6	12.6	12.8	12.8	-
Footwear, except rubber .....	314	65.1	64.2	62.5	62.4	-	54.4	53.2	51.6	51.4	-
Men's footwear, except athletic .....	3143	29.4	29.4	29.4	29.6	-	23.4	23.2	22.9	22.9	-
Women's footwear, except athletic .....	3144	23.6	22.8	21.7	21.6	-	20.4	19.6	18.7	18.6	-
Luggage .....	316	10.4	10.4	10.1	10.1	-	7.5	7.5	7.3	7.4	-
Handbags and personal leather goods .....	317	12.7	12.7	11.7	11.6	-	9.5	9.5	8.4	8.3	-
<b>Transportation and public utilities .....</b>		<b>5,757</b>	<b>5,753</b>	<b>5,691</b>	<b>5,748</b>	<b>5,747</b>	<b>4,819</b>	<b>4,818</b>	<b>4,763</b>	<b>4,817</b>	<b>4,817</b>
Transportation .....		3,534	3,536	3,480	3,554	3,559	-	-	-	-	-
Railroad transportation .....	40	257.4	256.7	249.4	251.9	-	-	-	-	-	-
Class I railroads <sup>2</sup> .....	4011	223.9	223.3	217.0	219.2	-	-	-	-	-	-
Local and interurban passenger transit .....	41	373.3	381.9	306.4	376.6	-	342.8	352.2	276.8	345.7	-
Local and suburban transportation .....	411	159.5	160.5	160.4	161.9	-	145.0	146.2	145.8	147.2	-
Taxicabs .....	412	29.3	29.0	27.9	28.3	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	23.5	23.1	22.1	22.9	-	20.9	20.5	19.5	20.3	-
School buses .....	415	133.0	140.5	69.9	136.2	-	-	-	-	-	-
Trucking and warehousing .....	42	1,632.6	1,627.4	1,650.8	1,656.5	1,659.4	1,426.1	1,420.0	1,438.4	1,443.3	-
Trucking and courier services, except air .....	421	1,504.5	1,496.6	1,527.4	1,529.8	-	1,318.2	1,309.3	1,335.8	1,337.4	-
Public warehousing and storage .....	422	124.9	127.5	120.2	123.5	-	105.0	107.8	99.7	103.1	-
Water transportation .....	44	173.6	171.7	170.5	168.8	-	-	-	-	-	-
Water transportation of freight, nec .....	444	14.0	13.9	12.6	12.6	-	-	-	-	-	-
Water transportation services .....	449	107.4	106.8	105.5	105.4	-	95.1	94.7	93.4	93.5	-
Transportation by air .....	45	731.4	732.1	737.8	735.6	731.8	-	-	-	-	-
Air transportation, scheduled .....	451	603.3	604.2	610.1	608.4	-	-	-	-	-	-
Air transportation, scheduled .....	4512	503.3	500.5	499.5	497.0	-	-	-	-	-	-
Airports, flying fields, and services .....	458	97.9	97.7	97.6	97.3	-	-	-	-	-	-
Pipelines, except natural gas .....	46	18.9	18.6	17.9	17.6	-	14.4	14.2	13.9	13.6	-
Transportation services .....	47	346.6	347.8	347.1	347.1	-	272.7	273.8	272.1	271.7	-
Passenger transportation arrangement .....	472	183.3	183.7	183.7	183.6	-	143.4	143.2	143.7	144.2	-
Travel agencies .....	4724	146.3	146.2	148.6	148.8	-	113.8	113.2	115.4	115.9	-
Freight transportation arrangement .....	473	132.2	132.4	131.5	131.5	-	103.7	104.5	101.9	101.0	-
Communications and public utilities .....		2,223	2,217	2,211	2,194	2,188	-	-	-	-	-
Communications .....	48	1,269.3	1,266.3	1,255.1	1,249.3	-	982.4	981.3	973.1	968.3	-
Telephone communications .....	481	888.5	886.1	874.7	869.6	-	666.8	666.2	659.9	656.0	-
Telephone communications, except radio .....	4813	835.0	832.0	815.2	809.6	-	627.7	626.3	616.0	611.6	-
Radio and television broadcasting .....	483	225.8	225.3	226.0	224.9	-	188.4	187.9	189.1	187.9	-
Radio broadcasting stations .....	4832	111.5	111.1	111.8	110.8	-	-	-	-	-	-
Television broadcasting stations .....	4833	114.3	114.2	114.2	114.1	-	-	-	-	-	-
Cable and other pay television services .....	484	129.3	129.5	129.4	129.9	-	109.9	110.2	109.2	109.7	-
Electric, gas, and sanitary services .....	49	953.5	950.5	956.2	944.3	-	752.2	749.3	756.2	743.7	-
Electric services .....	491	440.1	437.8	436.7	430.6	-	341.8	339.9	343.4	337.0	-
Gas production and distribution .....	492	162.7	162.5	163.6	161.2	-	128.0	127.5	127.9	125.4	-
Combination utility services .....	493	191.6	191.5	189.9	187.9	-	147.8	147.5	144.3	142.3	-
Sanitary services .....	495	129.1	129.0	135.2	134.3	-	111.1	111.0	116.2	115.3	-
<b>Wholesale trade .....</b>		<b>6,057</b>	<b>6,077</b>	<b>6,145</b>	<b>6,132</b>	<b>6,151</b>	<b>4,871</b>	<b>4,893</b>	<b>4,961</b>	<b>4,949</b>	<b>4,969</b>
Durable goods .....	50	3,459	3,467	3,505	3,494	3,501	2,748	2,758	2,801	2,792	-
Motor vehicles, parts, and supplies .....	501	449.7	449.9	462.1	461.1	-	360.8	361.2	373.2	372.5	-
Automobiles and other motor vehicles .....	5012	112.3	112.8	114.1	114.4	-	-	-	-	-	-
Motor vehicle supplies and new parts .....	5013	267.8	267.4	276.0	275.7	-	-	-	-	-	-
Furniture and home furnishings .....	502	139.2	139.3	140.1	140.5	-	110.0	110.1	111.6	112.0	-
Furniture .....	5021	63.3	63.3	64.6	65.1	-	-	-	-	-	-
Home furnishings .....	5023	75.9	76.0	75.5	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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Wholesale trade—Continued</b>											
<b>Durable goods—Continued</b>											
Lumber and other construction materials .....	503	221.5	222.7	235.6	233.9	-	179.2	180.4	192.2	191.4	-
Lumber, plywood, and millwork .....	5031	113.1	113.6	120.4	119.9	-	-	-	-	-	-
Construction materials, nec .....	5039	39.8	40.1	40.8	40.6	-	-	-	-	-	-
Professional and commercial equipment .....	504	746.1	745.9	725.6	722.6	-	602.4	602.3	587.4	583.4	-
Office equipment .....	5044	185.4	184.5	182.7	182.2	-	-	-	-	-	-
Computers, peripherals and software .....	5045	274.8	274.8	248.1	245.5	-	-	-	-	-	-
Medical and hospital equipment .....	5047	149.2	149.9	157.7	157.7	-	122.5	122.9	129.8	129.2	-
Metals and minerals, except petroleum .....	505	130.6	130.2	133.4	133.4	-	103.4	103.3	106.3	106.6	-
Electrical goods .....	506	464.7	468.2	487.0	486.1	-	357.1	361.2	379.0	378.4	-
Electrical apparatus and equipment .....	5063	196.1	197.2	208.8	209.3	-	-	-	-	-	-
Electrical appliances, television and radio sets .....	5064	51.7	52.3	52.4	52.1	-	-	-	-	-	-
Electronic parts and equipment .....	5065	216.9	218.7	225.8	224.7	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	267.2	267.7	272.3	271.5	-	213.0	213.7	218.3	218.0	-
Hardware .....	5072	91.9	92.0	92.9	92.5	-	-	-	-	-	-
Plumbing and hydronic heating supplies .....	5074	109.5	109.6	111.0	111.0	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	745.8	745.4	748.7	743.8	-	587.1	587.4	592.2	586.4	-
Construction and mining machinery .....	5082	71.9	72.3	72.7	72.6	-	-	-	-	-	-
Farm and garden machinery .....	5083	111.7	110.7	114.8	112.8	-	-	-	-	-	-
Industrial machinery and equipment .....	5084	305.1	305.9	306.8	306.8	-	-	-	-	-	-
Industrial supplies .....	5085	140.0	139.7	138.9	138.0	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	294.2	297.3	300.0	301.5	-	235.4	238.3	241.1	242.8	-
Scrap and waste materials .....	5093	108.2	108.3	107.8	108.0	-	-	-	-	-	-
<b>Nondurable goods .....</b>	<b>51</b>	<b>2,598</b>	<b>2,610</b>	<b>2,640</b>	<b>2,638</b>	<b>2,650</b>	<b>2,123</b>	<b>2,135</b>	<b>2,160</b>	<b>2,157</b>	<b>-</b>
Paper and paper products .....	511	237.4	237.2	247.3	246.7	-	191.9	191.5	200.9	200.0	-
Stationery and office supplies .....	5112	127.5	127.4	134.9	134.3	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	197.4	200.0	203.9	202.8	-	163.9	166.0	169.1	168.9	-
Apparel, piece goods, and notions .....	513	212.0	213.0	210.9	210.2	-	168.1	169.3	166.0	165.7	-
Groceries and related products .....	514	867.8	865.3	883.0	885.6	-	729.0	727.4	745.3	746.3	-
Groceries, general line .....	5141	271.8	271.9	277.8	277.3	-	-	-	-	-	-
Meats and meat products .....	5147	59.9	60.9	61.6	61.7	-	-	-	-	-	-
Fresh fruits and vegetables .....	5148	106.8	101.9	102.0	105.5	-	-	-	-	-	-
Farm-product raw materials .....	515	119.2	124.4	116.4	117.7	-	97.4	102.3	94.8	96.4	-
Chemicals and allied products .....	516	139.1	139.4	138.6	138.3	-	104.6	105.1	104.5	103.9	-
Petroleum and petroleum products .....	517	175.4	176.3	179.4	179.6	-	140.7	141.5	143.8	144.5	-
Petroleum bulk stations and terminals .....	5171	73.1	73.4	74.5	75.1	-	-	-	-	-	-
Petroleum products, nec .....	5172	102.3	102.9	104.9	104.5	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	149.6	148.2	152.0	150.6	-	121.7	120.4	124.4	122.8	-
Beer and ale .....	5181	97.3	96.1	99.7	98.6	-	-	-	-	-	-
Wine and distilled beverages .....	5182	52.3	52.1	52.3	52.0	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	500.2	506.6	508.6	506.5	-	405.5	411.8	411.5	408.9	-
Farm supplies .....	5191	156.2	159.2	163.6	161.6	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>19,463</b>	<b>19,422</b>	<b>19,973</b>	<b>19,917</b>	<b>19,856</b>	<b>17,145</b>	<b>17,111</b>	<b>17,604</b>	<b>17,533</b>	<b>17,461</b>
Building materials and garden supplies .....	52	771.0	774.6	813.2	801.2	-	636.0	639.0	673.7	661.9	-
Lumber and other building materials .....	521	439.7	439.5	468.2	461.9	-	370.8	370.8	394.8	388.8	-
Paint, glass, and wallpaper stores .....	523	68.7	69.8	67.8	67.8	-	52.8	53.8	53.0	53.0	-
Hardware stores .....	525	154.6	157.0	161.4	159.0	-	126.1	128.1	132.5	130.4	-
Retail nurseries and garden stores .....	526	81.6	82.2	87.5	84.4	-	65.5	65.7	71.2	67.8	-
General merchandise stores .....	53	2,400.0	2,437.6	2,325.8	2,345.3	2,373.7	2,243.6	2,279.1	2,168.6	2,188.7	-
Department stores .....	531	2,028.4	2,059.5	1,970.5	1,989.7	-	1,913.0	1,941.6	1,853.7	1,872.5	-
Variety stores .....	533	160.7	163.5	156.3	157.0	-	144.9	147.8	140.6	141.5	-
Miscellaneous general merchandise stores .....	539	210.9	214.6	199.0	198.6	-	185.7	189.7	174.3	174.7	-
Food stores .....	54	3,177.2	3,183.3	3,228.8	3,216.5	3,228.8	2,892.5	2,900.9	2,945.5	2,933.1	-
Grocery stores .....	541	2,840.1	2,843.5	2,868.2	2,854.5	-	2,601.5	2,607.1	2,632.6	2,619.4	-
Meat and fish markets .....	542	48.8	48.9	54.1	54.5	-	-	-	-	-	-
Dairy products stores .....	545	18.0	18.4	18.8	17.8	-	-	-	-	-	-
Retail bakeries .....	546	164.7	165.7	165.9	168.1	-	146.8	147.9	148.6	150.3	-
Automotive dealers and service stations .....	55	1,993.6	1,991.1	2,070.6	2,066.0	2,066.2	1,658.0	1,655.5	1,724.0	1,718.4	-
New and used car dealers .....	551	884.8	886.9	916.4	919.5	-	735.2	737.2	764.0	765.8	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Retail trade—Continued</b>											
Automotive dealers and service stations—Continued											
Auto and home supply stores .....	553	340.6	341.7	361.5	361.1	-	269.9	270.7	287.1	286.4	-
Gasoline service stations .....	554	619.4	615.4	623.8	619.2	-	534.9	530.9	537.9	533.6	-
Automotive dealers, nec .....	559	7.4	7.4	6.5	6.4	-	6.2	6.1	5.4	5.4	-
Apparel and accessory stores .....	56	1,109.0	1,122.7	1,142.6	1,122.9	1,126.5	914.9	929.3	939.5	917.8	-
Men's and boys' clothing stores .....	561	87.3	88.5	86.6	86.5	-	70.3	71.6	69.4	69.6	-
Women's clothing stores .....	562	366.8	374.6	368.4	365.7	-	301.0	309.5	299.1	294.3	-
Family clothing stores .....	565	290.9	295.1	311.7	302.7	-	250.4	254.1	268.8	259.5	-
Shoe stores .....	566	202.6	202.0	209.5	204.8	-	160.3	159.7	164.6	159.8	-
Furniture and home furnishings stores .....	57	800.1	810.6	836.8	840.7	-	648.7	658.0	679.3	681.5	-
Furniture and home furnishings stores .....	571	439.6	445.3	461.2	464.0	-	356.8	361.3	374.5	376.3	-
Furniture stores .....	5712	264.8	268.0	278.6	281.0	-	-	-	-	-	-
Household appliance stores .....	572	74.1	74.4	72.1	71.6	-	60.1	60.1	58.7	58.1	-
Radio, television, and computer stores .....	573	286.4	290.9	303.5	305.1	-	231.8	236.6	246.1	247.1	-
Radio, television, and electronic stores .....	5731	119.4	120.1	128.6	129.6	-	97.5	98.7	105.1	105.6	-
Record and prerecorded tape stores .....	5735	62.5	64.7	65.3	65.7	-	50.7	52.7	52.9	53.1	-
Eating and drinking places .....	58	6,768.1	6,615.1	7,101.9	7,068.2	6,917.0	6,125.2	5,984.2	6,439.1	6,396.9	-
Miscellaneous retail establishments .....	59	2,444.3	2,486.9	2,453.0	2,455.9	-	2,025.6	2,065.3	2,034.6	2,034.7	-
Drug stores and proprietary stores .....	591	601.4	603.4	602.7	601.5	-	499.5	501.8	503.6	501.0	-
Liquor stores .....	592	116.8	116.7	115.1	114.4	-	-	-	-	-	-
Used merchandise stores .....	593	80.3	81.4	83.6	83.5	-	67.1	68.0	69.8	69.3	-
Miscellaneous shopping goods stores .....	594	838.3	850.5	834.6	836.2	-	693.0	704.9	691.3	693.7	-
Sporting goods and bicycle shops .....	5941	156.9	160.3	161.6	161.1	-	-	-	-	-	-
Book stores .....	5942	100.8	94.6	89.7	97.6	-	-	-	-	-	-
Stationery stores .....	5943	71.7	72.3	71.1	70.9	-	-	-	-	-	-
Jewelry stores .....	5944	129.0	134.1	132.1	130.4	-	-	-	-	-	-
Gift, novelty, and souvenir shops .....	5947	185.7	183.9	187.2	179.9	-	-	-	-	-	-
Sewing, needlework, and piece goods .....	5949	64.2	66.4	59.7	62.4	-	-	-	-	-	-
Nonstore retailers .....	596	295.9	313.7	274.0	275.2	-	253.2	269.5	232.0	232.0	-
Catalog and mail-order houses .....	5961	171.5	188.1	150.1	150.5	-	-	-	-	-	-
Merchandising machine operators .....	5962	75.4	75.8	75.5	76.5	-	-	-	-	-	-
Fuel dealers .....	598	97.1	99.7	94.8	95.8	-	79.7	82.1	79.0	79.5	-
Retail stores, nec .....	599	414.5	421.5	448.2	449.3	-	339.0	345.0	365.7	366.6	-
Florists, tobacco stores, and newsstands .....	5992,3,4	134.6	138.5	146.6	148.3	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>2</sup></b> .....		6,576	6,551	6,679	6,625	6,615	4,757	4,736	4,872	4,815	4,812
Finance .....		3,158	3,153	3,238	3,222	3,230	-	-	-	-	-
Depository institutions .....	60	2,098.3	2,091.6	2,130.6	2,113.6	2,115.3	1,516.6	1,510.4	1,546.1	1,527.9	-
Commercial banks .....	602	1,482.9	1,476.1	1,505.3	1,491.1	-	1,055.5	1,049.2	1,075.4	1,060.6	-
State commercial banks .....	6022	601.3	600.8	620.6	615.4	-	431.1	430.3	445.9	440.1	-
National and commercial banks, nec .....	6021,9	881.6	875.3	884.7	875.7	-	624.4	618.9	629.5	620.5	-
Savings institutions .....	603	354.8	355.2	357.8	356.2	-	-	-	-	-	-
Federal savings institutions .....	6035	192.8	192.9	190.8	189.5	-	-	-	-	-	-
Savings institutions, except federal .....	6036	162.0	162.3	167.0	166.7	-	-	-	-	-	-
Credit unions .....	606	139.5	140.0	146.2	145.7	-	110.3	110.8	116.4	115.9	-
Nondepository institutions .....	61	394.4	395.1	411.5	413.5	-	294.9	296.8	310.7	311.1	-
Personal credit institutions .....	614	125.0	124.4	122.5	122.3	-	92.5	92.3	90.8	90.1	-
Business credit institutions .....	615	80.0	79.0	79.8	79.5	-	-	-	-	-	-
Mortgage bankers and brokers .....	616	172.6	174.9	192.3	194.8	-	-	-	-	-	-
Security and commodity brokers .....	62	444.4	444.5	469.1	468.9	-	-	-	-	-	-
Security brokers and dealers .....	621	339.2	339.7	361.6	361.5	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges .....	622,3	23.1	22.5	22.5	22.6	-	-	-	-	-	-
Security and commodity services .....	628	82.1	82.3	85.0	84.8	-	53.1	53.2	55.4	55.1	-
Holding and other investment offices .....	67	220.9	221.9	226.5	225.5	-	-	-	-	-	-
Holding offices .....	671	100.5	99.7	99.5	98.9	-	-	-	-	-	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Finance, insurance, and real estate—Continued</b>											
Insurance .....	63,64	2,119	2,117	2,118	2,106	2,104	-	-	-	-	-
Insurance carriers .....	63	1,471.3	1,470.0	1,468.6	1,461.7	-	999.7	1,000.4	1,018.2	1,011.8	-
Life insurance .....	631	532.1	530.3	520.6	516.0	-	325.3	325.5	329.8	325.4	-
Medical service and health insurance .....	632	268.3	268.2	273.7	273.7	-	218.2	218.4	223.1	222.5	-
Hospital and medical service plans .....	6324	207.8	207.6	213.3	213.3	-	173.0	173.2	178.0	177.6	-
Fire, marine, and casualty insurance .....	633	549.2	548.5	544.9	541.8	-	356.8	356.0	358.3	356.4	-
Title insurance .....	636	64.3	65.6	71.1	71.8	-	-	-	-	-	-
Insurance agents, brokers, and service .....	64	647.2	647.0	649.1	644.5	-	-	-	-	-	-
Real estate .....	65	1,299	1,281	1,323	1,297	1,281	-	-	-	-	-
Real estate operators and lessors .....	651	566.9	559.3	576.4	566.8	-	-	-	-	-	-
Real estate agents and managers .....	653	584.3	576.1	595.9	582.6	-	-	-	-	-	-
Subdividers and developers .....	655	116.7	114.1	117.0	113.1	-	-	-	-	-	-
<b>Services .....</b>		<b>29,361</b>	<b>29,499</b>	<b>30,558</b>	<b>30,547</b>	<b>30,692</b>	<b>25,628</b>	<b>25,770</b>	<b>26,700</b>	<b>26,678</b>	<b>26,809</b>
Agricultural services .....	07	516.2	507.6	564.0	551.8	545.5	433.7	424.6	474.6	462.6	-
Veterinary services .....	074	138.1	138.5	145.7	142.8	-	115.4	115.8	121.8	119.3	-
Landscape and horticultural services .....	078	335.7	326.9	375.1	367.1	-	283.5	274.4	317.3	308.9	-
Hotels and other lodging places .....	70	1,630.5	1,560.2	1,695.8	1,633.1	1,587.6	-	-	-	-	-
Hotels and motels .....	701	1,578.6	1,515.9	1,610.2	1,579.5	-	1,398.0	1,339.8	1,426.1	1,393.1	-
Personal services .....	72	1,084.9	1,091.3	1,085.8	1,095.8	1,103.4	-	-	-	-	-
Laundry, cleaning, and garment services .....	721	413.4	415.3	423.3	422.9	-	364.8	366.4	373.6	373.4	-
Photographic studios, portrait .....	722	75.2	81.3	74.2	80.2	-	-	-	-	-	-
Beauty shops .....	723	379.1	378.2	379.3	381.1	-	339.2	338.4	338.3	340.3	-
Funeral service and crematories .....	726	85.1	84.6	87.5	87.5	-	-	-	-	-	-
Miscellaneous personal services .....	729	112.6	112.0	102.5	104.9	-	92.9	92.3	85.4	86.8	-
Business services .....	73	5,451.3	5,538.4	5,869.3	5,898.9	6,008.1	4,820.8	4,905.2	5,225.1	5,248.7	-
Advertising .....	731	226.1	226.3	227.3	226.8	-	160.6	161.2	166.5	165.9	-
Advertising agencies .....	7311	153.9	154.3	153.1	152.7	-	-	-	-	-	-
Credit reporting and collection .....	732	115.2	116.6	116.0	114.7	-	-	-	-	-	-
Mailing, reproduction, and stenographic services .....	733	236.3	241.0	243.4	245.7	-	-	-	-	-	-
Photocopying and duplicating services .....	7334	52.3	52.7	53.3	53.6	-	42.9	43.3	43.7	44.0	-
Services to buildings .....	734	812.6	811.3	832.5	830.4	-	727.9	726.8	747.9	744.4	-
Miscellaneous equipment rental and leasing .....	735	209.6	209.0	218.0	218.3	-	167.9	167.9	175.6	174.9	-
Heavy construction equipment rental .....	7353	39.6	39.4	42.1	41.8	-	33.1	32.9	35.9	35.4	-
Personnel supply services .....	736	1,759.4	1,820.7	2,074.1	2,093.8	2,185.9	-	-	-	-	-
Employment agencies .....	7361	227.7	231.0	277.3	281.4	-	-	-	-	-	-
Help supply services .....	7363	1,531.7	1,589.7	1,796.8	1,812.4	-	1,485.9	1,542.3	1,743.0	1,757.3	-
Computer and data processing services .....	737	833.1	840.7	889.0	889.1	-	669.8	674.9	721.2	722.0	-
Computer programming services .....	7371	168.7	170.5	183.8	184.8	-	137.7	139.2	153.3	153.7	-
Prepackaged software .....	7372	130.3	131.6	145.7	145.3	-	-	-	-	-	-
Computer integrated systems design .....	7373	103.2	103.3	111.8	111.0	-	80.4	79.3	83.2	83.0	-
Data processing and preparation .....	7374	204.8	207.6	213.2	213.1	-	-	-	-	-	-
Information retrieval services .....	7375	45.8	46.2	50.1	49.9	-	35.9	36.2	39.2	38.8	-
Computer maintenance and repair .....	7378	42.7	42.2	40.5	40.6	-	36.5	36.2	33.7	33.8	-
Miscellaneous business services .....	738	1,259.0	1,272.8	1,269.0	1,280.1	-	1,110.3	1,124.0	1,115.7	1,124.7	-
Detective and armored car services .....	7381	473.2	471.6	479.3	483.9	-	442.3	440.6	447.1	452.1	-
Security systems services .....	7382	38.8	38.3	38.1	38.0	-	33.0	32.6	32.7	32.5	-
Photofinishing laboratories .....	7384	75.2	78.4	73.1	75.8	-	-	-	-	-	-
Auto repair, services, and parking .....	75	882.2	883.1	941.5	945.1	944.4	721.8	722.8	775.7	776.8	-
Automotive rentals, without drivers .....	751	161.8	159.3	171.9	172.2	-	128.1	125.8	139.3	138.9	-
Passenger car rental .....	7514	98.5	97.3	107.3	108.2	-	78.7	77.5	87.0	87.5	-
Automobile parking .....	752	57.9	57.8	57.8	59.7	-	51.5	51.5	51.1	53.0	-
Automotive repair shops .....	753	497.8	498.5	533.6	534.0	-	401.3	402.0	433.0	432.2	-
Automotive and tire repair shops .....	7532,4	172.2	172.9	184.1	186.1	-	140.3	141.4	151.2	152.0	-
General automotive repair shops .....	7538	206.3	206.6	222.2	221.0	-	167.1	166.9	181.0	179.9	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Auto repair, services, and parking—Continued											
Automotive services, except repair .....	754	164.7	167.5	178.2	179.2	-	140.9	143.5	152.3	152.7	-
Carwashes .....	7542	95.2	97.3	100.1	101.6	-	83.3	85.3	87.5	88.9	-
Miscellaneous repair services .....	76	347.8	349.8	359.7	359.6	362.9	283.9	285.5	292.9	292.9	-
Electrical repair shops .....	762	109.2	109.2	114.2	113.7	-	-	-	-	-	-
Motion pictures .....	78	393.7	403.1	432.0	418.1	418.7	322.1	329.1	360.1	345.4	-
Motion picture production and services .....	781	154.2	166.5	172.4	172.1	-	121.8	131.4	140.5	139.2	-
Motion picture theaters .....	783	103.6	100.6	115.8	104.6	-	-	-	-	-	-
Amusement and recreation services .....	79	1,253.3	1,118.5	1,378.4	1,255.3	1,115.4	1,103.0	981.4	1,214.7	1,103.8	-
Bowling centers .....	793	89.8	93.4	76.0	90.3	-	80.3	83.7	66.8	80.7	-
Misc. amusement and recreation services .....	799	873.2	739.4	1,000.6	872.0	-	773.4	650.0	890.8	774.3	-
Physical fitness facilities .....	7991	119.6	115.8	117.6	117.2	-	106.5	103.1	104.7	104.3	-
Membership sports and recreation clubs .....	7997	310.2	268.6	362.1	316.8	-	272.3	233.5	321.7	278.3	-
Health services .....	80	8,586.6	8,629.8	8,928.4	8,929.0	8,957.9	7,628.8	7,665.4	7,918.7	7,911.7	-
Offices and clinics of medical doctors .....	801	1,488.8	1,496.8	1,561.2	1,559.4	-	1,220.2	1,226.8	1,274.9	1,271.7	-
Offices and clinics of dentists .....	802	544.0	546.8	566.4	566.3	-	476.6	478.7	495.4	495.4	-
Offices and clinics of other health practitioners .....	804	330.7	335.5	357.1	356.8	-	269.8	273.6	294.2	292.7	-
Offices and clinics of chiropractors and optometrists .....	8041,2	148.6	150.7	157.5	155.4	-	-	-	-	-	-
Nursing and personal care facilities .....	805	1,555.2	1,562.2	1,626.3	1,633.0	-	1,406.1	1,412.0	1,468.2	1,472.7	-
Skilled nursing care facilities .....	8051	1,108.4	1,113.2	1,159.1	1,163.5	-	-	-	-	-	-
Intermediate care facilities .....	8052	220.9	222.2	232.2	233.0	-	199.2	200.3	208.7	209.6	-
Nursing and personal care, nec .....	8059	225.9	226.8	235.0	236.5	-	-	-	-	-	-
Hospitals .....	806	3,775.1	3,783.0	3,827.6	3,816.6	3,818.3	3,464.6	3,471.8	3,507.1	3,495.2	-
General medical and surgical hospitals .....	8062	3,472.9	3,480.0	3,522.2	3,511.8	-	-	-	-	-	-
Psychiatric hospitals .....	8063	101.4	101.6	98.7	98.2	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric .....	8069	200.8	201.4	206.7	206.6	-	-	-	-	-	-
Medical and dental laboratories .....	807	182.2	183.9	195.3	195.3	-	-	-	-	-	-
Home health care services .....	808	413.5	422.8	481.7	488.1	-	383.6	391.6	446.5	451.9	-
Legal services .....	81	910.0	913.9	938.4	925.7	927.8	733.0	737.5	756.6	743.3	-
Educational services .....	82	1,671.6	1,825.2	1,495.4	1,720.1	1,874.7	-	-	-	-	-
Elementary and secondary schools .....	821	465.9	479.8	440.9	485.0	-	-	-	-	-	-
Colleges and universities .....	822	999.4	1,133.7	840.7	1,026.9	-	-	-	-	-	-
Vocational schools .....	824	76.4	77.8	73.6	75.3	-	-	-	-	-	-
Social services .....	83	1,968.2	1,994.1	2,073.9	2,079.9	2,094.5	1,701.6	1,726.1	1,797.4	1,799.5	-
Individual and family services .....	832	524.5	532.1	562.5	554.5	-	455.4	462.3	487.9	479.9	-
Job training and related services .....	833	271.7	274.8	317.5	289.6	-	227.8	229.9	269.5	241.9	-
Child day care services .....	835	459.3	468.0	428.9	475.5	-	405.3	414.7	375.5	418.5	-
Residential care .....	836	538.5	542.4	582.0	578.4	-	470.8	474.4	509.7	505.5	-
Social services, nec .....	839	174.2	176.8	183.0	181.9	-	142.3	144.8	154.8	153.7	-
Museums and botanical and zoological gardens .....	84	75.5	75.3	82.2	78.9	77.5	-	-	-	-	-
Membership organizations .....	86	1,935.4	1,944.2	1,994.1	1,947.2	1,957.0	-	-	-	-	-
Business associations .....	861	103.8	102.8	109.2	108.1	-	-	-	-	-	-
Professional organizations .....	862	52.3	52.2	52.6	52.9	-	37.2	37.2	37.1	37.3	-
Labor organizations .....	863	136.4	139.4	129.4	130.8	-	-	-	-	-	-
Civic and social associations .....	864	404.8	413.1	465.2	420.4	-	-	-	-	-	-
Engineering and management services .....	87	2,468.4	2,479.6	2,534.5	2,524.3	2,532.5	1,875.9	1,887.1	1,936.3	1,921.9	-
Engineering and architectural services .....	871	751.5	751.3	779.7	772.6	-	614.8	614.2	641.7	634.4	-
Engineering services .....	8711	592.2	591.9	612.8	609.3	-	488.8	488.0	508.8	505.1	-
Architectural services .....	8712	112.2	112.4	115.6	113.7	-	87.1	87.4	90.1	88.0	-
Surveying services .....	8713	47.1	47.0	51.3	49.6	-	38.9	38.8	42.8	41.3	-
Accounting, auditing, and bookkeeping .....	872	498.7	501.9	487.1	489.9	-	356.7	360.1	348.8	348.7	-

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>				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Engineering and management services—Continued											
Research and testing services .....	873	554.3	557.8	570.8	563.7	-	413.9	417.4	432.2	426.0	-
Commercial physical research .....	8731	234.0	233.1	234.3	232.0	-	159.8	159.4	166.4	165.2	-
Commercial nonphysical research .....	8732	102.0	104.8	104.7	105.3	-	81.7	84.4	83.1	83.5	-
Noncommercial research organizations .....	8733	138.8	140.1	147.5	143.3	-	107.5	108.4	114.9	111.0	-
Management and public relations .....	874	663.9	668.6	696.9	698.1	-	490.5	495.4	513.6	512.8	-
Public relations services .....	8743	31.2	30.6	31.5	30.6	-	22.3	22.2	22.3	21.5	-
Services, nec .....	89	42.8	42.6	41.7	41.5	-	33.4	33.5	33.0	32.8	-
<b>Government</b> .....		18,456	18,956	17,671	18,620	19,145	-	-	-	-	-
<b>Federal Government<sup>4</sup></b> .....		2,967	2,930	2,923	2,903	2,890	-	-	-	-	-
Executive, by agency <sup>4</sup> .....		2,900.4	2,863.6	2,856.4	-	-	-	-	-	-	-
Department of Defense .....		910.7	902.2	865.0	-	-	-	-	-	-	-
Postal Service <sup>5</sup> .....		788.3	770.3	785.9	-	-	-	-	-	-	-
Other executive agencies .....		1,201.4	1,191.1	1,205.5	-	-	-	-	-	-	-
Legislative .....		38.4	38.4	38.7	-	-	-	-	-	-	-
Judicial .....		27.7	27.6	27.7	-	-	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities .....		101.8	101.3	90.2	89.1	-	-	-	-	-	-
Ship building and repairing .....	3731	58.3	57.9	50.9	50.4	-	-	-	-	-	-
Transportation and public utilities, except Postal Service .....		34.1	34.0	33.2	32.7	-	-	-	-	-	-
Services .....		404.3	400.0	406.6	405.9	-	-	-	-	-	-
Hospitals .....	806	237.3	237.2	241.1	240.1	-	-	-	-	-	-
State government .....		4,367	4,532	4,225	4,434	4,597	-	-	-	-	-
Hospitals .....	806	419.2	418.8	417.0	416.4	-	-	-	-	-	-
Education .....	82	1,739.2	1,925.7	1,541.0	1,773.6	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		1,726.4	1,712.1	1,774.2	1,756.7	-	-	-	-	-	-
Local government .....		11,122	11,494	10,523	11,283	11,658	-	-	-	-	-
Transportation and public utilities .....		447.2	445.5	447.5	443.6	-	-	-	-	-	-
Hospitals .....	806	675.8	677.4	700.3	698.9	-	-	-	-	-	-
Education .....	82	6,047.9	6,499.1	5,194.5	6,171.4	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions .....		3,558.0	3,491.8	3,755.3	3,576.0	-	-	-	-	-	-

<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	July 1992	Aug. 1992	June 1993	July 1993	Aug. 1993
<b>Total</b> .....	51,715	51,732	53,538	52,643	52,631
<b>Total private</b> .....	42,449	42,546	43,311	43,236	43,328
<b>Goods-producing</b> .....	6,548	6,586	6,469	6,421	6,474
<b>Mining</b> .....	93	92	87	88	88
<b>Construction</b> .....	519	520	516	522	522
<b>Manufacturing</b> .....	5,936	5,974	5,866	5,811	5,864
<b>Durable goods</b> .....	2,714	2,715	2,675	2,641	2,649
Lumber and wood products .....	111	111	112	112	114
Furniture and fixtures .....	143	144	147	143	145
Stone, clay, and glass products .....	104	105	102	101	103
Primary metal industries .....	93	93	91	91	91
Fabricated metal products .....	290	291	289	285	287
Industrial machinery and equipment .....	420	416	418	412	409
Electronic and other electrical equipment .....	642	643	639	633	636
Transportation equipment .....	367	365	349	345	345
Instruments and related products .....	381	380	361	358	357
Miscellaneous manufacturing .....	165	166	166	162	164
<b>Nondurable goods</b> .....	3,222	3,259	3,191	3,170	3,215
Food and kindred products .....	562	578	526	546	572
Tobacco products .....	14	18	14	14	15
Textile mill products .....	321	324	320	316	317
Apparel and other textile products .....	771	781	765	738	751
Paper and allied products .....	169	170	168	168	168
Printing and publishing .....	661	658	667	665	666
Chemicals and allied products .....	337	339	339	339	338
Petroleum and coal products .....	27	26	25	25	25
Rubber and misc. plastics products .....	295	298	302	298	299
Leather and leather products .....	65	68	64	62	65
<b>Service-producing</b> .....	45,167	45,146	47,069	46,222	46,157
<b>Transportation and public utilities</b> .....	1,658	1,655	1,688	1,660	1,654
<b>Wholesale trade</b> .....	1,854	1,853	1,874	1,873	1,864
<b>Retail trade</b> .....	10,321	10,363	10,504	10,472	10,514
<b>Finance, insurance, and real estate</b> .....	4,201	4,193	4,207	4,223	4,221
<b>Services</b> .....	17,867	17,896	18,569	18,587	18,601
<b>Government</b> .....	9,266	9,186	10,227	9,407	9,303
Federal .....	1,236	1,229	1,219	1,217	1,215
State .....	2,084	2,068	2,159	2,111	2,103
Local .....	5,946	5,889	8,849	6,079	5,985

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>p</sup>	Oct. <sup>p</sup>
<b>Total</b> .....	108,789	108,921	109,079	109,235	109,539	109,565	109,820	110,058	110,101	110,338	110,305	110,467	110,644
<b>Total private</b> .....	90,079	90,159	90,313	90,480	90,762	90,777	91,020	91,239	91,278	91,497	91,478	91,568	91,753
<b>Goods-producing</b> .....	22,995	22,995	22,985	23,001	23,069	23,016	22,980	23,006	22,941	22,948	22,903	22,888	22,931
<b>Mining</b> <sup>1</sup> .....	618	616	613	611	600	600	600	602	596	595	592	596	597
Oil and gas extraction .....	342	341	341	342	336	334	335	338	340	346	351	352	352
<b>Construction</b> <sup>1</sup> .....	4,466	4,462	4,459	4,454	4,515	4,481	4,517	4,577	4,574	4,593	4,593	4,595	4,625
General building contractors .....	1,056	1,054	1,047	1,049	1,058	1,049	1,062	1,067	1,063	1,060	1,050	1,051	1,064
<b>Manufacturing</b> .....	17,911	17,917	17,913	17,936	17,954	17,935	17,863	17,827	17,771	17,760	17,718	17,697	17,709
<b>Durable goods</b> .....	10,135	10,142	10,136	10,152	10,163	10,144	10,090	10,047	10,011	9,996	9,974	9,970	9,986
Lumber and wood products .....	677	681	683	683	690	690	683	678	677	678	680	684	690
Furniture and fixtures .....	475	476	477	477	480	480	480	482	481	482	479	479	479
Stone, clay, and glass products .....	511	511	511	510	515	513	511	512	511	511	511	511	513
Primary metal industries .....	687	686	683	684	683	682	678	678	673	672	670	669	670
Blast furnaces and basic steel products .....	247	245	243	242	242	241	240	239	237	237	236	234	234
Fabricated metal products .....	1,312	1,312	1,310	1,318	1,320	1,320	1,316	1,310	1,306	1,304	1,303	1,305	1,307
Industrial machinery and equipment .....	1,912	1,911	1,909	1,908	1,907	1,904	1,904	1,902	1,900	1,898	1,891	1,893	1,894
Electronic and other electrical equipment .....	1,512	1,513	1,514	1,517	1,520	1,525	1,519	1,513	1,508	1,506	1,506	1,506	1,509
Transportation equipment .....	1,776	1,782	1,784	1,792	1,786	1,771	1,743	1,723	1,712	1,706	1,700	1,694	1,697
Motor vehicles and equipment .....	801	813	818	841	833	827	810	803	804	807	812	813	822
Aircraft and parts .....	591	585	579	572	570	563	558	550	541	534	528	527	522
Instruments and related products .....	912	908	903	902	900	896	892	886	880	876	874	869	866
Miscellaneous manufacturing .....	361	362	362	361	362	363	364	363	363	363	360	360	361
<b>Nondurable goods</b> .....	7,776	7,775	7,777	7,784	7,791	7,791	7,773	7,780	7,760	7,764	7,744	7,727	7,723
Food and kindred products .....	1,649	1,650	1,650	1,656	1,659	1,658	1,651	1,650	1,646	1,645	1,651	1,644	1,657
Tobacco products .....	49	47	48	48	48	48	48	48	48	47	45	45	46
Textile mill products .....	667	668	670	669	670	669	670	667	667	668	663	662	662
Apparel and other textile products .....	994	993	992	993	993	992	987	988	983	979	973	968	960
Paper and allied products .....	687	687	686	685	684	684	682	682	681	680	678	677	675
Printing and publishing .....	1,501	1,501	1,501	1,499	1,502	1,503	1,503	1,506	1,503	1,506	1,507	1,506	1,502
Chemicals and allied products .....	1,082	1,081	1,080	1,080	1,078	1,078	1,074	1,077	1,075	1,076	1,072	1,073	1,070
Petroleum and coal products .....	157	157	156	157	157	156	156	156	155	155	154	154	154
Rubber and misc. plastics products .....	871	873	876	880	883	886	886	887	887	891	886	884	882
Leather and leather products .....	119	118	118	117	117	117	116	116	115	117	115	114	115
<b>Service-producing</b> .....	85,794	85,926	86,094	86,234	86,470	86,549	86,840	87,052	87,160	87,390	87,402	87,579	87,713
<b>Transportation and public utilities</b> .....	5,699	5,699	5,707	5,719	5,725	5,724	5,720	5,719	5,711	5,709	5,690	5,695	5,692
Transportation .....	3,484	3,485	3,495	3,508	3,515	3,513	3,513	3,515	3,510	3,514	3,497	3,505	3,506
Trucking and warehousing .....	1,600	1,606	1,611	1,624	1,626	1,627	1,629	1,630	1,624	1,632	1,631	1,632	1,632
Transportation by air .....	728	728	730	733	736	735	737	736	735	732	728	731	728
Communications and public utilities .....	2,215	2,214	2,212	2,211	2,210	2,211	2,207	2,204	2,201	2,195	2,193	2,190	2,186
<b>Wholesale trade</b> .....	6,052	6,061	6,062	6,086	6,097	6,103	6,110	6,125	6,110	6,126	6,107	6,114	6,127
Durable goods .....	3,463	3,466	3,464	3,476	3,480	3,482	3,488	3,489	3,488	3,497	3,488	3,494	3,498
Nondurable goods .....	2,589	2,595	2,598	2,610	2,617	2,621	2,622	2,636	2,622	2,629	2,619	2,620	2,629
<b>Retail trade</b> <sup>1</sup> .....	19,402	19,405	19,460	19,523	19,629	19,604	19,648	19,702	19,751	19,790	19,795	19,838	19,836
General merchandise stores .....	2,417	2,402	2,402	2,382	2,402	2,394	2,378	2,368	2,356	2,366	2,359	2,367	2,353
Food stores .....	3,177	3,176	3,175	3,186	3,195	3,198	3,199	3,205	3,220	3,217	3,226	3,220	3,222
Automotive dealers and service stations .....	1,981	1,987	1,996	2,003	2,013	2,018	2,021	2,026	2,029	2,033	2,040	2,048	2,056
Apparel and accessory stores .....	1,129	1,131	1,134	1,135	1,146	1,143	1,138	1,144	1,145	1,144	1,145	1,141	1,133
Eating and drinking places .....	6,646	6,670	6,703	6,737	6,765	6,743	6,803	6,843	6,865	6,892	6,902	6,930	6,952

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Finance, insurance, and real estate</b> .....	6,570	6,569	6,575	6,578	6,577	6,574	6,585	6,588	6,590	6,604	6,602	6,614	6,634
Finance .....	3,165	3,168	3,177	3,184	3,184	3,185	3,195	3,197	3,201	3,214	3,215	3,225	3,243
Depository institutions .....	2,100	2,101	2,104	2,110	2,109	2,111	2,113	2,110	2,107	2,119	2,116	2,116	2,124
Insurance .....	2,124	2,121	2,116	2,111	2,108	2,109	2,108	2,110	2,112	2,114	2,114	2,112	2,110
Real estate .....	1,281	1,280	1,282	1,283	1,285	1,280	1,282	1,281	1,277	1,276	1,273	1,277	1,281
<b>Services<sup>1</sup></b> .....	29,361	29,430	29,524	29,573	29,665	29,756	29,977	30,099	30,175	30,320	30,381	30,419	30,533
Agricultural services .....	492	490	494	493	501	494	505	509	510	512	516	524	528
Hotels and other lodging places .....	1,569	1,564	1,566	1,565	1,566	1,563	1,564	1,572	1,580	1,584	1,577	1,582	1,597
Personal services .....	1,107	1,106	1,105	1,098	1,087	1,086	1,091	1,121	1,123	1,126	1,123	1,118	1,119
Business services .....	5,434	5,469	5,506	5,521	5,555	5,598	5,665	5,696	5,721	5,772	5,800	5,806	5,890
Personnel supply services .....	1,732	1,760	1,791	1,802	1,835	1,874	1,921	1,941	1,954	1,997	2,012	2,009	2,078
Auto repair, services, and parking .....	881	886	888	894	900	906	915	921	927	931	937	941	942
Miscellaneous repair services .....	346	348	347	350	351	352	353	354	356	355	355	356	359
Motion pictures .....	411	415	421	423	422	416	417	415	414	415	421	428	426
Amusement and recreation services .....	1,178	1,160	1,154	1,148	1,146	1,148	1,206	1,200	1,198	1,209	1,212	1,192	1,174
Health services .....	8,630	8,668	8,698	8,720	8,754	8,784	8,819	8,847	8,861	8,885	8,902	8,929	8,958
Hospitals .....	3,785	3,794	3,800	3,804	3,810	3,811	3,813	3,825	3,819	3,822	3,820	3,820	3,818
Legal services .....	917	919	921	924	926	928	930	931	929	929	930	932	932
Educational services .....	1,708	1,710	1,717	1,721	1,730	1,736	1,742	1,745	1,735	1,752	1,747	1,753	1,754
Social services .....	1,989	1,996	2,006	2,013	2,022	2,032	2,045	2,050	2,068	2,098	2,110	2,095	2,088
Museums and botanical and zoological gardens .....	74	74	74	74	74	73	75	76	76	76	77	77	76
Membership organizations .....	1,953	1,951	1,950	1,952	1,952	1,951	1,956	1,955	1,965	1,964	1,963	1,963	1,967
Engineering and management services .....	2,488	2,490	2,494	2,492	2,494	2,503	2,509	2,522	2,527	2,528	2,527	2,540	2,540
<b>Government</b> .....	18,710	18,762	18,766	18,755	18,777	18,788	18,800	18,819	18,823	18,841	18,827	18,899	18,891
Federal .....	2,945	2,943	2,968	2,945	2,944	2,938	2,923	2,912	2,901	2,896	2,906	2,903	2,905
State .....	4,426	4,424	4,431	4,435	4,439	4,443	4,458	4,462	4,451	4,477	4,471	4,506	4,489
Local .....	11,339	11,395	11,367	11,375	11,394	11,407	11,419	11,445	11,471	11,468	11,450	11,490	11,497

<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							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
<b>Total</b> .....	52,533	52,547	52,589	52,667	52,732	52,816	52,937	52,943	53,103	53,254	53,307	53,468	53,433
<b>Total private</b> .....	42,420	42,453	42,510	42,538	42,610	42,690	42,791	42,784	42,937	43,075	43,103	43,210	43,193
<b>Goods-producing</b> .....	6,516	6,496	6,483	6,483	6,483	6,492	6,498	6,489	6,472	6,461	6,433	6,432	6,404
<b>Mining</b> .....	91	91	91	91	90	90	88	87	87	87	86	87	87
<b>Construction</b> .....	508	508	505	506	504	506	510	507	507	506	508	511	510
<b>Manufacturing</b> .....	5,917	5,897	5,887	5,886	5,889	5,896	5,900	5,895	5,878	5,868	5,839	5,834	5,807
<b>Durable goods</b> .....	2,709	2,703	2,693	2,693	2,694	2,700	2,700	2,695	2,683	2,671	2,660	2,650	2,642
Lumber and wood products .....	109	109	110	111	111	112	112	113	112	110	110	111	111
Furniture and fixtures .....	145	144	144	144	144	145	146	146	145	145	146	146	145
Stone, clay, and glass products .....	103	103	102	102	102	102	103	102	102	101	101	101	101
Primary metal industries .....	92	92	91	91	91	92	92	91	91	91	91	90	90
Fabricated metal products .....	291	290	289	289	290	291	292	291	290	288	287	287	286
Industrial machinery and equipment .....	417	418	417	418	418	419	419	420	418	418	415	412	410
Electronic and other electrical equipment .....	642	642	640	640	640	640	642	642	640	639	637	635	635
Transportation equipment .....	366	362	361	359	361	363	359	356	353	351	347	345	345
Instruments and related products .....	379	378	375	374	372	371	370	368	366	363	361	358	356
Miscellaneous manufacturing .....	165	165	164	165	165	165	165	166	166	165	165	165	163
<b>Nondurable goods</b> .....	3,208	3,194	3,194	3,193	3,195	3,196	3,200	3,200	3,195	3,197	3,179	3,184	3,165
Food and kindred products .....	537	527	532	533	533	535	536	536	535	535	531	530	532
Tobacco products .....	17	16	16	15	16	16	16	15	16	16	16	15	14
Textile mill products .....	322	321	319	320	320	320	320	319	320	320	318	318	315
Apparel and other textile products .....	780	777	774	772	771	770	769	770	766	766	759	762	750
Paper and allied products .....	167	167	167	167	168	168	168	167	166	166	165	166	165
Printing and publishing .....	661	663	662	663	664	664	666	666	666	667	666	666	669
Chemicals and allied products .....	335	335	336	336	336	336	336	337	336	337	336	337	335
Petroleum and coal products .....	26	26	26	25	25	25	25	25	25	25	25	24	24
Rubber and misc. plastics products .....	297	296	296	296	297	298	299	300	300	301	299	301	298
Leather and leather products .....	66	66	66	66	65	64	65	65	65	64	64	65	63
<b>Service-producing</b> .....	46,017	46,051	46,106	46,184	46,249	46,324	46,439	46,454	46,631	46,793	46,874	47,036	47,029
<b>Transportation and public utilities</b> .....	1,676	1,675	1,675	1,674	1,674	1,677	1,679	1,680	1,678	1,679	1,681	1,680	1,674
<b>Wholesale trade</b> .....	1,851	1,851	1,851	1,856	1,855	1,868	1,869	1,869	1,874	1,876	1,867	1,871	1,862
<b>Retail trade</b> .....	10,297	10,289	10,293	10,279	10,294	10,331	10,381	10,348	10,370	10,405	10,431	10,451	10,441
<b>Finance, insurance, and real estate</b> .....	4,163	4,171	4,171	4,167	4,167	4,169	4,166	4,162	4,170	4,178	4,178	4,189	4,192
<b>Services</b> .....	17,917	17,971	18,037	18,079	18,137	18,153	18,198	18,236	18,373	18,476	18,513	18,587	18,620
<b>Government</b> .....	10,113	10,094	10,079	10,129	10,122	10,126	10,146	10,159	10,166	10,179	10,204	10,258	10,240
Federal .....	1,220	1,222	1,216	1,219	1,228	1,221	1,222	1,220	1,216	1,212	1,207	1,200	1,205
State .....	2,205	2,217	2,209	2,207	2,213	2,216	2,218	2,220	2,223	2,226	2,223	2,243	2,242
Local .....	6,688	6,655	6,654	6,703	6,681	6,689	6,706	6,719	6,727	6,741	6,774	6,815	6,793

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Total private</b> .....	73,131	73,215	73,380	73,543	73,831	73,827	74,014	74,291	74,296	74,503	74,493	74,563	74,739
<b>Goods-producing</b> .....	16,015	16,025	16,031	16,041	16,121	16,088	16,068	16,115	16,064	16,074	16,032	16,041	16,079
<b>Mining</b> .....	438	436	434	432	424	424	423	426	421	420	417	421	420
<b>Construction</b> .....	3,419	3,414	3,414	3,399	3,463	3,433	3,467	3,534	3,528	3,548	3,544	3,546	3,570
<b>Manufacturing</b> .....	12,158	12,175	12,183	12,210	12,234	12,231	12,178	12,155	12,115	12,106	12,071	12,074	12,089
<b>Durable goods</b> .....	6,738	6,754	6,757	6,775	6,790	6,783	6,745	6,718	6,696	6,684	6,668	6,681	6,699
Lumber and wood products .....	555	560	562	562	569	569	561	557	556	557	559	563	569
Furniture and fixtures .....	375	375	376	377	379	379	379	381	380	380	377	379	379
Stone, clay, and glass products .....	394	394	395	394	398	397	393	394	393	394	393	394	395
Primary metal industries .....	520	520	519	520	520	520	516	516	513	511	510	511	508
Blast furnaces and basic steel products .....	187	185	184	184	184	184	183	183	181	180	179	180	176
Fabricated metal products .....	962	964	962	969	972	973	969	966	964	961	962	964	967
Industrial machinery and equipment .....	1,146	1,148	1,148	1,149	1,149	1,147	1,148	1,148	1,150	1,150	1,144	1,148	1,152
Electronic and other electrical equipment .....	963	965	967	964	970	973	970	967	963	962	959	961	964
Transportation equipment .....	1,117	1,124	1,126	1,140	1,132	1,125	1,109	1,096	1,087	1,082	1,081	1,079	1,083
Motor vehicles and equipment .....	613	624	628	651	643	639	625	619	617	618	620	621	627
Instruments and related products .....	447	445	443	442	441	439	438	432	430	427	426	424	423
Miscellaneous manufacturing .....	259	259	259	258	260	261	262	261	260	260	257	258	259
<b>Nondurable goods</b> .....	5,420	5,421	5,426	5,435	5,444	5,448	5,433	5,437	5,419	5,422	5,403	5,393	5,390
Food and kindred products .....	1,201	1,203	1,205	1,210	1,212	1,212	1,206	1,203	1,199	1,199	1,206	1,199	1,211
Tobacco products .....	37	35	36	36	36	36	36	36	36	35	33	34	34
Textile mill products .....	569	571	572	571	571	569	571	571	568	568	563	563	564
Apparel and other textile products .....	833	832	832	833	832	834	828	829	823	819	813	810	804
Paper and allied products .....	517	517	516	516	517	517	514	515	515	514	512	511	509
Printing and publishing .....	829	829	830	829	831	832	832	833	832	833	832	830	826
Chemicals and allied products .....	563	562	562	563	563	565	565	568	566	570	567	571	570
Petroleum and coal products .....	103	103	102	103	104	103	103	103	102	102	101	101	101
Rubber and misc. plastics products .....	672	674	676	680	684	686	685	686	685	688	684	683	679
Leather and leather products .....	96	95	95	94	94	94	93	93	93	94	92	91	92
<b>Service-producing</b> .....	57,116	57,190	57,349	57,502	57,710	57,739	57,946	58,176	58,232	58,429	58,461	58,522	58,660
<b>Transportation and public utilities</b> .....	4,766	4,767	4,779	4,793	4,801	4,794	4,792	4,790	4,783	4,784	4,763	4,765	4,765
<b>Wholesale trade</b> .....	4,870	4,880	4,880	4,904	4,915	4,923	4,924	4,935	4,922	4,938	4,927	4,929	4,944
<b>Retail trade</b> .....	17,090	17,100	17,146	17,211	17,314	17,274	17,302	17,371	17,396	17,420	17,430	17,446	17,444
<b>Finance, insurance, and real estate</b> .....	4,755	4,755	4,762	4,769	4,769	4,769	4,767	4,775	4,781	4,797	4,800	4,810	4,831
<b>Services</b> .....	25,635	25,688	25,782	25,825	25,911	25,979	26,161	26,305	26,350	26,490	26,541	26,572	26,676

<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	57.9	44.4	<sup>P</sup> 57.0	<sup>P</sup> 53.9		
<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	55.1	46.5	<sup>P</sup> 52.2	<sup>P</sup> 50.6			
<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	57.7	49.7	<sup>P</sup> 51.8	<sup>P</sup> 53.1					
<b>Over 12-month span:</b>												
1990 .....	55.5	52.7	51.7	48.5	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 .....	52.5	52.4	<sup>P</sup> 54.1	<sup>P</sup> 57.0								
<b>Manufacturing payrolls, 139 industries<sup>1</sup></b>												
<b>Over 1-month span:</b>												
1990 .....	48.9	48.6	44.6	47.5	40.3	44.6	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	47.6	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	50.7	37.1	<sup>P</sup> 49.3	<sup>P</sup> 48.6		
<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	46.0	48.6	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	44.2	32.4	<sup>P</sup> 39.9	<sup>P</sup> 37.8			
<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	48.6	49.6
1993 .....	50.7	46.0	45.0	43.9	32.7	<sup>P</sup> 31.7	<sup>P</sup> 40.3					
<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 .....	36.3	37.4	<sup>P</sup> 36.8	<sup>P</sup> 43.5								

<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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
	<b>Total<sup>1</sup></b>												
Alabama	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	1,684.8	1,683.5	1,688.9
Alaska	247.1	247.0	247.6	247.6	251.8	251.0	251.2	249.5	248.9	249.4	249.3	250.7	252.4
Arizona	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	1,561.3	1,558.3	1,564.5
Arkansas	966.8	969.9	973.0	976.1	981.9	981.2	980.4	981.2	979.4	979.2	978.6	979.7	982.4
California	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	11,976.3	11,961.1	11,924.0
Colorado	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	1,639.3	1,641.3	1,645.4
Connecticut	1,511.6	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	1,491.9	1,483.9	1,479.6
Delaware	345.0	344.4	348.8	347.7	349.7	349.1	346.0	347.3	346.1	346.6	346.7	346.1	347.1
District of Columbia	676.4	678.9	678.0	677.7	677.9	679.9	678.0	681.4	678.5	674.7	683.9	676.7	675.0
Florida	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	5,479.6	5,481.3	5,472.9
Georgia	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	3,071.2	3,072.4	3,080.4
Hawaii	538.3	537.2	536.8	537.0	535.0	536.1	535.8	536.1	536.5	533.3	533.6	530.3	530.9
Idaho	418.5	420.4	422.7	423.6	424.9	423.6	425.6	427.0	427.8	424.9	426.8	426.3	428.9
Illinois	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	5,229.8	5,237.7	5,243.8
Indiana	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	2,566.7	2,561.9	2,560.2	2,569.7
Iowa	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	1,251.4	1,256.3	1,257.8
Kansas	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	1,134.7	1,128.1	1,135.7
Kentucky	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	1,531.3	1,527.6	1,529.0
Louisiana	1,627.9	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	1,632.1	1,634.1	1,630.1
Maine	515.1	514.9	515.6	513.9	519.1	519.6	517.0	514.5	512.0	507.3	507.2	509.8	513.4
Maryland	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	2,068.2	2,059.1	2,062.4
Massachusetts	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	2,757.6	2,753.8	2,753.2
Michigan	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	3,954.0	3,935.3	3,950.7
Minnesota	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	2,235.9	2,233.8	2,243.8
Mississippi	966.4	972.5	975.1	979.0	982.5	987.8	984.1	982.4	978.6	978.6	978.5	985.9	983.8
Missouri	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	2,332.2	2,328.7	2,337.9
Montana	318.0	319.2	320.6	321.9	324.4	326.3	325.2	323.8	321.9	321.4	323.5	324.0	324.4
Nebraska	747.7	751.6	754.1	748.4	750.7	750.0	749.7	748.8	749.7	744.6	745.8	748.3	751.5
Nevada	647.4	647.2	653.9	651.6	658.1	658.7	659.7	660.1	658.5	660.5	659.9	661.2	681.1
New Hampshire	485.5	487.2	486.5	486.0	494.4	496.4	492.9	492.3	489.8	487.2	489.2	488.0	491.5
New Jersey	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	3,397.1	3,387.0	3,398.0
New Mexico	598.3	599.1	604.1	600.2	602.1	605.1	605.8	606.7	611.2	611.1	615.0	617.2	620.2
New York	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	7,705.0	7,682.9	7,654.1
North Carolina	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	3,222.9	3,223.2	3,223.7
North Dakota	278.3	279.3	279.9	280.0	283.6	284.1	281.8	281.2	281.3	281.7	283.2	283.3	285.9
Ohio	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	4,853.8	4,856.6	4,858.0
Oklahoma	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	1,240.7	1,226.7	1,212.1
Oregon	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	1,289.2	1,296.8
Pennsylvania	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	5,082.5	5,067.7	5,064.9
Rhode Island	420.5	420.7	420.3	419.3	426.6	425.4	422.8	421.6	422.5	422.7	421.8	421.2	417.4
South Carolina	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	1,557.7	1,556.3	1,558.3
South Dakota	307.7	308.8	309.9	310.3	311.8	312.2	312.9	312.0	311.7	313.8	314.1	316.4	317.1
Tennessee	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	2,270.7	2,269.9	2,274.2
Texas	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	7,416.7	7,424.9	7,442.6
Utah	773.4	777.8	776.6	778.2	784.0	791.1	793.9	795.4	798.2	801.7	806.4	809.6	813.1
Vermont	248.5	249.6	251.0	249.2	251.1	253.7	253.0	253.0	252.0	250.0	249.0	248.4	250.2
Virginia	2,838.7	2,848.2	2,851.4	2,849.0	2,887.5	2,866.5	2,853.6	2,860.5	2,855.2	2,847.5	2,859.6	2,853.4	2,852.3
Washington	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	2,230.9	2,225.6	2,229.8
West Virginia	639.9	641.4	643.7	644.3	647.6	646.3	647.2	650.5	653.2	649.2	647.6	648.3	651.2
Wisconsin	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	2,393.0	2,393.8	2,399.2
Wyoming	204.7	205.1	205.5	205.6	205.9	205.3	205.0	204.5	205.7	206.5	206.5	204.8	205.7

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
Construction													
Alabama .....	75.4	76.6	76.7	77.0	77.5	78.2	77.2	76.9	76.1	75.6	76.2	75.4	75.8
Alaska .....	10.5	10.5	10.5	10.7	10.6	10.7	11.0	10.8	10.9	11.1	11.4	11.5	11.5
Arizona .....	81.8	83.3	83.9	83.9	82.3	84.5	85.0	84.9	84.7	85.0	86.0	87.3	87.0
Arkansas .....	38.4	38.3	38.5	38.9	39.1	38.6	38.7	38.6	38.4	39.2	39.3	39.1	39.0
California .....	470.0	468.4	465.4	458.2	443.1	451.2	460.8	460.0	460.1	456.2	458.2	458.2	454.9
Colorado .....	75.2	75.4	76.1	75.5	75.2	76.8	79.2	82.1	82.0	84.2	84.3	83.0	82.9
Connecticut .....	45.8	47.0	47.4	47.5	48.5	49.3	47.3	46.9	45.9	43.9	43.8	43.3	42.4
Delaware .....	18.8	19.1	19.2	19.4	19.6	19.6	19.0	19.1	19.6	19.7	19.5	19.6	19.2
District of Columbia .....	8.6	8.6	8.5	8.4	9.1	9.2	9.0	9.8	9.6	9.4	9.4	9.4	9.3
Florida .....	262.9	266.2	268.8	271.5	279.3	281.6	278.7	278.6	277.0	275.3	276.4	274.8	275.8
Georgia .....	118.1	120.0	120.2	121.4	123.2	126.3	125.8	125.9	127.3	127.3	130.8	131.6	131.5
Hawaii <sup>2</sup> .....	30.2	30.9	31.5	31.3	31.6	32.1	31.6	31.7	31.3	31.0	30.8	30.6	30.5
Idaho .....	22.9	23.4	23.6	23.7	23.7	23.9	23.6	24.1	24.4	23.8	23.6	23.5	24.1
Illinois .....	201.6	202.4	201.4	202.4	202.3	205.6	203.2	201.0	196.0	195.7	196.1	197.2	197.0
Indiana .....	109.4	109.8	109.6	109.8	111.9	111.5	109.0	110.0	111.8	113.9	113.7	113.5	114.1
Iowa .....	47.5	48.3	47.1	46.1	47.9	48.0	47.4	44.3	46.3	47.6	47.8	48.3	48.4
Kansas .....	44.2	44.4	44.3	44.8	45.5	46.5	46.0	45.1	45.5	45.5	44.9	46.0	46.5
Kentucky .....	69.6	70.1	70.5	71.1	69.4	71.1	68.7	68.6	68.7	69.6	70.2	69.6	70.6
Louisiana .....	98.3	98.9	99.6	100.2	103.1	102.6	100.0	99.9	99.2	99.2	99.2	98.2	98.0
Maine .....	21.1	21.3	21.4	21.9	23.5	23.4	23.1	22.7	21.8	21.3	21.7	21.0	21.3
Maryland .....	115.2	115.7	114.7	114.6	116.4	115.0	112.8	111.2	112.4	110.8	112.0	110.7	109.7
Massachusetts .....	69.2	72.3	72.9	72.7	79.4	78.8	75.5	74.1	71.7	71.3	73.6	73.1	74.2
Michigan .....	127.5	127.0	127.1	127.5	132.9	131.6	128.1	128.4	132.2	132.5	136.2	133.6	133.8
Minnesota .....	77.1	77.1	76.5	77.6	77.9	78.0	78.3	77.3	77.3	77.3	77.6	77.2	77.8
Mississippi .....	36.2	35.4	35.5	35.8	36.8	38.8	38.8	38.2	37.7	38.0	36.9	37.6	38.6
Missouri .....	90.6	92.1	91.3	92.3	91.3	96.0	94.1	93.4	93.6	93.1	92.1	93.2	95.0
Montana .....	13.3	13.5	13.7	13.7	13.6	14.4	14.1	13.9	13.9	14.1	13.5	13.6	13.6
Nebraska .....	28.1	28.1	28.3	28.8	28.6	29.1	28.8	28.7	29.2	29.1	29.2	29.2	29.3
Nevada .....	39.6	40.6	41.4	42.3	44.1	46.0	45.6	45.9	46.3	45.8	46.2	45.4	45.3
New Hampshire .....	16.1	16.4	16.3	15.8	17.5	17.5	17.6	17.1	16.6	16.7	16.9	16.9	16.7
New Jersey .....	104.8	105.8	104.1	103.7	109.4	105.6	101.8	99.7	98.6	96.0	93.9	93.8	94.1
New Mexico .....	30.4	30.4	30.4	30.4	31.7	31.7	31.8	32.3	32.9	32.6	33.6	34.0	34.5
New York .....	234.6	231.7	228.8	227.9	235.4	235.1	237.9	238.0	238.6	236.8	237.5	235.5	233.7
North Carolina .....	145.3	146.3	146.6	147.6	149.1	149.1	147.8	147.9	147.8	148.0	149.1	149.2	149.3
North Dakota .....	10.8	10.8	10.9	11.1	11.9	12.0	11.7	11.4	11.5	11.6	11.4	11.4	11.8
Ohio .....	182.1	182.8	182.6	183.6	186.5	186.6	186.2	184.8	184.3	183.9	183.1	182.5	182.6
Oklahoma .....	38.4	38.5	37.9	37.8	38.3	40.3	40.3	39.7	40.0	39.6	39.1	38.4	38.5
Oregon .....	49.2	48.9	48.8	48.4	48.7	50.9	50.8	50.2	50.3	49.8	51.4	52.0	52.8
Pennsylvania .....	194.3	195.4	195.0	194.7	198.9	198.3	191.4	192.4	193.8	192.1	192.3	190.9	190.9
Rhode Island .....	12.6	12.2	12.2	12.6	14.1	13.8	13.5	13.8	14.1	13.7	13.4	13.0	13.0
South Carolina .....	81.9	82.0	81.9	81.7	82.0	82.6	81.9	81.8	81.1	80.6	82.1	81.4	81.6
South Dakota .....	12.8	12.8	12.3	12.8	12.6	12.8	12.6	12.3	12.8	13.3	13.2	13.0	13.1
Tennessee .....	84.5	84.1	83.6	83.4	85.5	86.6	86.3	86.8	87.6	88.0	88.8	89.4	90.4
Texas .....	343.4	343.6	345.4	347.7	351.7	351.2	348.7	348.7	347.0	349.2	350.8	349.8	350.5
Utah .....	35.2	35.9	36.0	36.5	38.7	40.0	39.7	39.1	38.3	38.5	38.8	39.3	39.9
Vermont .....	11.2	11.6	11.8	12.1	13.0	13.0	13.1	12.4	11.9	11.5	11.3	11.3	11.3
Virginia .....	144.6	145.4	145.3	146.3	148.9	149.4	146.4	146.2	145.3	144.7	146.5	147.6	148.0
Washington .....	117.9	120.1	120.9	121.7	122.3	124.0	122.8	122.5	121.5	120.5	121.2	121.9	122.6
West Virginia .....	27.5	27.7	27.8	27.8	29.3	29.5	29.3	29.9	31.0	30.4	30.6	30.7	30.8
Wisconsin .....	91.8	92.8	93.7	94.6	94.2	96.0	96.0	96.4	100.1	101.1	102.7	103.0	104.9
Wyoming .....	11.3	11.3	11.4	11.5	11.4	11.3	10.7	10.7	10.8	11.0	10.9	10.9	11.0

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Manufacturing</b>													
Alabama .....	380.0	381.1	381.8	382.5	384.7	385.7	384.1	382.3	379.9	378.4	376.6	377.5	377.1
Alaska .....	17.7	17.5	16.9	17.0	18.7	19.2	19.6	17.1	15.8	17.3	16.7	17.1	17.3
Arizona .....	171.1	171.0	170.5	170.5	171.0	170.9	171.5	171.1	171.6	171.3	170.4	170.6	170.6
Arkansas .....	236.0	236.2	237.6	238.3	239.9	242.0	242.2	243.1	242.4	241.1	241.7	241.0	241.5
California .....	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	1,797.2	1,788.9	1,773.6
Colorado .....	184.2	183.8	183.6	182.7	184.5	183.8	183.5	183.4	182.7	182.7	182.3	182.7	182.6
Connecticut .....	303.3	302.0	300.7	298.8	297.9	297.5	295.3	293.8	292.0	290.0	288.8	285.2	287.8
Delaware .....	67.2	64.4	68.2	67.4	67.2	67.0	66.2	66.6	66.2	65.8	65.5	65.0	65.0
District of Columbia .....	14.0	13.9	13.9	13.8	13.8	13.7	13.6	13.6	13.8	14.0	13.8	13.7	13.8
Florida .....	478.9	479.0	477.9	475.9	480.5	481.5	481.2	480.0	479.5	478.8	481.8	480.8	480.5
Georgia .....	546.0	546.8	546.5	546.6	551.4	551.4	547.8	548.4	546.2	543.7	546.4	545.0	545.0
Hawaii .....	19.4	19.3	19.1	19.0	18.9	18.7	18.9	18.7	18.7	18.4	18.6	18.5	18.3
Idaho .....	65.5	65.4	66.5	67.0	68.2	67.9	68.0	68.1	68.2	67.9	68.8	88.3	68.6
Illinois .....	924.4	924.1	925.3	926.2	927.9	926.9	924.7	925.5	920.6	915.8	921.9	921.0	918.8
Indiana .....	625.9	626.0	628.9	631.1	638.3	636.3	633.4	631.5	629.8	630.4	628.2	628.2	628.5
Iowa .....	230.0	228.7	231.2	231.3	232.4	233.5	233.8	232.6	231.8	232.2	228.9	231.2	230.4
Kansas .....	181.2	181.1	181.0	180.7	179.8	179.2	179.1	179.1	179.0	180.1	180.4	180.0	179.3
Kentucky .....	288.4	288.5	288.7	288.7	294.2	292.0	291.4	291.7	291.9	290.3	291.1	291.0	290.3
Louisiana .....	185.4	185.4	185.1	185.1	186.7	186.0	185.6	183.0	182.5	182.3	184.1	184.3	184.4
Maine .....	91.9	91.6	92.0	91.2	92.9	92.6	91.8	92.3	92.0	91.3	91.1	91.6	91.2
Maryland .....	181.2	181.4	180.8	180.9	182.2	182.2	181.1	181.2	180.6	178.6	178.5	177.4	176.2
Massachusetts .....	457.5	456.8	454.9	452.5	454.4	452.0	449.2	449.1	446.5	444.5	441.4	438.0	437.4
Michigan .....	892.5	893.3	898.8	902.0	916.8	913.1	908.8	899.6	895.3	893.6	891.4	885.5	887.5
Minnesota .....	396.9	398.1	397.9	398.4	398.8	399.5	398.3	398.0	396.9	394.4	396.5	395.1	397.0
Mississippi .....	250.7	250.1	250.8	251.9	253.1	254.8	255.3	253.1	252.2	251.3	250.0	249.8	249.5
Missouri .....	407.2	406.5	409.8	405.8	412.1	410.1	410.6	408.4	406.8	405.4	402.2	399.6	399.1
Montana .....	22.6	22.8	22.8	22.9	23.1	23.5	23.3	23.1	22.7	22.7	22.8	22.7	22.7
Nebraska .....	100.6	101.0	100.9	101.1	101.7	101.5	102.2	101.7	101.9	101.9	101.7	102.7	103.4
Nevada .....	26.2	26.4	26.4	26.5	26.7	26.8	26.8	27.2	27.1	26.9	27.2	27.2	27.3
New Hampshire .....	97.4	97.2	96.9	96.6	98.2	98.1	97.2	97.6	97.2	96.6	96.4	96.5	96.4
New Jersey .....	519.6	521.1	520.5	519.2	518.9	514.1	510.5	510.6	508.9	506.3	507.0	503.8	507.7
New Mexico .....	40.1	40.4	40.4	40.4	40.2	40.3	40.6	40.2	40.2	40.5	40.5	40.7	41.6
New York .....	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	974.1	965.4	960.4
North Carolina .....	834.9	835.8	835.0	836.5	840.6	842.5	843.1	841.9	843.8	843.4	848.5	844.3	845.6
North Dakota .....	18.6	18.7	18.7	18.7	19.1	19.3	19.0	19.3	19.3	19.5	19.4	19.7	19.5
Ohio .....	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	1,037.2	1,033.4	1,035.3
Oklahoma .....	158.7	163.7	163.5	163.5	164.5	165.3	164.3	164.0	163.4	162.7	164.1	163.1	163.6
Oregon .....	204.7	205.5	205.1	206.2	207.0	208.6	209.5	208.4	206.7	205.9	205.1	205.2	207.1
Pennsylvania .....	943.0	940.5	936.2	935.8	939.9	940.2	937.3	937.4	932.1	926.2	928.1	922.1	920.6
Rhode Island .....	89.1	89.2	89.0	88.4	90.1	89.8	89.5	88.7	88.8	88.8	88.1	87.8	87.1
South Carolina .....	369.9	370.2	371.1	371.5	373.8	371.6	370.6	369.9	368.5	367.1	366.3	365.2	365.2
South Dakota .....	37.0	37.4	37.8	38.2	38.5	38.6	39.1	39.3	39.5	39.7	39.7	40.3	40.1
Tennessee .....	512.5	513.0	512.9	514.6	518.2	517.1	517.9	518.2	518.3	515.5	517.1	515.9	515.9
Texas .....	970.1	972.3	972.8	973.7	981.3	985.6	985.8	984.5	982.6	981.2	981.5	981.0	985.1
Utah .....	106.0	105.6	105.0	104.8	105.2	106.2	107.0	107.7	107.7	107.7	108.3	108.5	109.2
Vermont .....	43.3	43.1	43.2	43.0	43.3	43.2	43.5	43.7	43.4	43.5	43.0	42.8	43.2
Virginia .....	405.7	405.3	406.2	404.3	408.6	406.6	404.0	403.1	404.7	403.2	402.4	401.6	400.8
Washington .....	343.6	344.2	342.9	343.0	343.3	343.8	342.1	341.5	341.2	339.0	335.8	335.7	335.4
West Virginia .....	82.0	82.0	82.8	82.6	83.3	83.6	83.0	82.7	82.7	82.5	82.2	82.5	82.8
Wisconsin .....	546.4	546.5	545.2	546.1	551.3	553.1	553.5	551.9	550.7	546.6	548.7	549.4	547.8
Wyoming .....	9.3	9.2	9.1	9.2	9.2	9.2	9.3	9.2	9.1	9.2	9.5	9.4	9.4

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Transportation and public utilities</b>													
Alabama .....	82.6	82.4	82.6	82.5	82.4	82.3	81.9	82.4	82.5	82.6	82.5	82.5	83.3
Alaska .....	22.6	22.3	22.7	22.8	23.0	22.9	22.7	22.9	23.2	22.3	23.0	22.9	22.8
Arizona .....	81.5	81.4	81.5	81.6	77.8	78.6	78.2	78.1	77.9	77.8	78.2	77.6	77.6
Arkansas .....	55.3	55.3	55.4	55.4	56.1	56.1	56.2	56.4	56.2	56.4	56.2	56.1	55.8
California .....	605.2	604.3	604.6	603.4	604.5	603.0	602.3	602.6	601.4	599.5	598.0	597.5	598.2
Colorado .....	99.9	100.3	100.3	100.3	100.5	100.5	100.6	101.0	101.8	101.4	102.2	102.8	102.6
Connecticut .....	67.2	67.0	66.9	66.4	67.2	67.7	66.6	65.1	65.2	64.8	66.1	65.6	65.8
Delaware .....	14.3	14.3	14.2	14.3	14.7	14.4	14.7	14.9	14.7	14.5	14.7	14.8	14.6
District of Columbia .....	23.1	23.4	23.0	23.0	23.0	23.0	23.4	23.2	23.0	23.1	23.0	22.9	22.6
Florida .....	271.7	272.9	273.8	277.1	273.6	276.3	278.0	278.4	279.2	279.1	278.2	276.9	276.7
Georgia .....	197.3	198.2	198.5	197.8	200.7	202.2	201.6	203.0	202.9	204.0	203.6	203.6	204.6
Hawaii .....	43.5	43.4	43.2	43.3	43.2	42.8	42.6	42.4	41.9	41.6	41.5	41.2	41.3
Idaho .....	20.5	20.5	20.5	20.4	20.9	21.0	20.8	20.6	20.6	20.4	20.2	20.3	20.3
Illinois .....	300.3	300.3	299.7	300.4	303.2	301.9	301.9	303.1	302.0	300.6	301.4	300.0	300.9
Indiana .....	129.7	130.1	129.7	129.5	130.0	129.6	129.8	128.7	128.7	129.0	128.6	129.0	129.2
Iowa .....	54.2	54.2	54.3	54.3	54.5	54.5	53.9	53.6	53.6	53.3	53.7	53.6	53.5
Kansas .....	63.9	64.3	64.2	63.8	65.5	65.6	65.6	66.0	65.8	65.3	65.5	65.0	65.2
Kentucky .....	82.1	82.2	82.7	82.6	83.3	83.3	83.1	83.0	82.4	82.5	82.5	82.2	83.0
Louisiana .....	104.3	104.7	104.7	104.6	105.5	105.6	105.0	105.8	104.8	104.2	104.3	104.1	103.3
Maine .....	21.6	21.4	21.3	21.2	21.7	21.3	21.6	21.4	20.9	20.8	20.5	20.8	20.7
Maryland .....	98.9	99.5	99.1	99.4	99.1	98.3	97.7	97.9	97.4	97.1	97.7	97.5	97.6
Massachusetts .....	119.7	119.9	120.8	119.9	121.1	119.1	117.7	118.4	117.8	118.0	118.6	118.0	117.9
Michigan .....	153.9	154.9	155.1	154.2	154.5	154.3	154.3	155.5	156.0	155.2	154.8	153.7	153.8
Minnesota .....	108.8	109.4	109.0	108.8	108.8	108.5	107.9	108.1	107.8	107.4	107.7	107.6	107.9
Mississippi .....	44.9	44.5	45.2	46.3	45.5	45.4	45.2	45.4	45.0	45.0	45.3	44.6	44.7
Missouri .....	150.3	150.4	150.0	149.4	151.2	152.1	152.1	152.6	152.4	152.8	154.1	152.8	152.9
Montana .....	20.1	20.0	20.0	20.0	20.2	20.2	20.1	20.1	20.1	20.0	20.1	20.1	20.0
Nebraska .....	47.0	47.1	47.1	47.2	47.2	47.3	47.4	47.6	47.2	47.0	47.1	46.6	46.4
Nevada .....	33.0	33.0	33.2	33.3	33.4	33.7	33.6	33.7	33.3	33.1	33.3	33.2	33.3
New Hampshire .....	16.9	17.1	16.9	17.0	17.6	17.8	17.7	17.4	17.1	17.0	16.7	16.4	17.0
New Jersey .....	228.7	227.5	227.9	227.1	230.6	232.1	229.9	229.8	230.0	230.1	226.9	225.9	226.1
New Mexico .....	28.6	28.7	28.6	28.5	28.7	28.7	28.7	28.6	28.3	28.3	28.4	28.5	28.5
New York .....	398.5	397.6	396.4	396.6	397.6	396.1	395.2	394.5	394.0	393.2	392.4	390.5	388.5
North Carolina .....	153.5	154.2	154.5	154.6	156.1	155.6	155.2	155.6	155.6	155.9	154.9	154.4	153.9
North Dakota .....	17.5	17.5	17.4	17.5	17.7	17.7	17.5	17.5	17.4	17.8	17.9	17.8	17.8
Ohio .....	211.8	210.8	210.7	210.4	211.1	211.5	210.8	210.0	209.8	209.4	208.8	208.2	207.1
Oklahoma .....	69.5	69.8	69.4	69.1	70.0	70.3	70.1	70.1	69.4	68.6	68.8	68.6	68.4
Oregon .....	65.1	65.4	65.4	65.4	66.0	65.7	65.8	65.7	65.1	65.1	64.4	64.3	63.7
Pennsylvania .....	263.2	263.5	264.4	264.0	266.9	266.9	266.9	266.2	266.1	266.1	264.5	263.3	263.6
Rhode Island .....	14.4	14.6	14.5	14.5	14.9	15.0	14.8	14.9	14.9	14.6	14.7	14.7	14.7
South Carolina .....	64.3	64.4	64.3	64.0	65.1	65.0	64.9	64.5	64.8	64.3	63.5	63.4	63.9
South Dakota .....	14.5	14.6	14.6	14.6	14.7	14.7	14.9	14.6	14.6	14.7	14.8	14.9	14.9
Tennessee .....	120.2	120.5	121.2	121.4	121.7	121.4	121.3	121.3	121.6	122.3	122.9	123.4	123.8
Texas .....	434.2	434.1	433.1	431.5	438.4	439.4	438.9	440.2	440.0	439.3	439.5	439.6	440.6
Utah .....	44.0	44.4	44.1	44.0	44.2	44.9	45.2	45.3	45.5	45.8	46.1	46.4	47.1
Vermont .....	11.0	11.0	11.0	11.0	11.1	11.0	11.1	10.9	11.0	10.9	10.5	10.5	10.6
Virginia .....	146.0	146.2	146.0	146.1	146.3	146.0	144.7	145.1	144.1	144.6	144.6	144.5	144.4
Washington .....	113.0	113.7	113.2	113.1	113.0	113.5	112.7	112.9	111.9	111.2	110.0	110.2	111.0
West Virginia .....	38.3	38.3	38.5	38.6	38.4	38.2	38.4	38.2	38.7	38.3	38.7	38.7	38.8
Wisconsin .....	109.8	109.2	109.5	109.3	111.0	111.9	111.7	111.2	111.2	111.5	111.3	110.9	110.2
Wyoming .....	14.1	14.1	14.0	14.1	14.2	14.1	14.1	14.3	14.3	14.4	14.4	14.3	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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
Wholesale and retail trade													
Alabama .....	368.5	369.6	369.9	370.5	372.2	373.8	372.4	372.1	370.1	369.3	369.2	369.6	370.7
Alaska .....	47.9	47.9	48.1	48.1	48.3	48.3	48.2	48.7	48.8	48.9	49.1	49.3	49.9
Arizona .....	378.9	379.4	379.8	378.3	380.8	381.6	380.2	381.1	381.3	381.3	385.8	385.7	385.9
Arkansas .....	214.0	215.6	216.5	217.2	218.4	218.5	217.9	217.0	216.6	215.9	216.1	217.3	218.2
California .....	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	2,777.9	2,768.5	2,765.4
Colorado .....	387.7	390.2	389.5	389.5	392.1	394.3	394.2	396.2	395.7	394.4	396.2	395.4	397.9
Connecticut .....	330.7	329.6	328.3	328.0	329.7	329.3	327.1	327.1	324.6	323.1	321.8	321.2	320.2
Delaware .....	75.3	76.1	76.6	76.4	76.8	76.6	75.9	75.8	75.6	75.8	76.0	75.8	75.6
District of Columbia .....	54.0	53.7	53.4	53.2	53.9	53.9	53.2	54.2	53.2	52.8	53.5	52.8	52.1
Florida .....	1,410.0	1,417.5	1,417.8	1,417.8	1,426.1	1,427.3	1,432.1	1,434.1	1,435.2	1,434.1	1,444.1	1,444.2	1,445.8
Georgia .....	745.1	753.7	755.5	756.5	763.5	766.5	765.1	766.9	764.1	766.6	775.0	774.0	771.7
Hawaii .....	134.5	133.5	133.0	133.0	132.6	133.3	133.2	133.0	132.8	133.0	133.3	131.8	132.3
Idaho .....	106.5	107.1	107.3	107.7	107.6	108.0	107.9	108.6	108.4	108.1	108.8	108.4	109.5
Illinois .....	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	1,244.8	1,247.4	1,249.0
Indiana .....	597.6	598.2	597.2	597.0	602.2	601.2	599.0	597.6	598.5	598.7	598.5	598.2	599.4
Iowa .....	317.5	317.6	316.6	316.6	318.9	319.8	319.7	318.4	318.7	318.6	319.2	319.0	319.9
Kansas .....	270.7	272.3	274.5	274.2	278.8	280.4	279.7	278.8	277.7	276.5	278.1	276.1	276.7
Kentucky .....	355.2	358.3	358.1	357.1	361.3	362.8	360.5	359.5	359.4	360.0	361.2	360.0	360.5
Louisiana .....	378.2	379.5	379.9	378.2	384.0	384.6	382.7	379.4	377.0	377.4	378.8	378.7	378.5
Maine .....	129.1	131.4	132.0	131.2	130.6	131.6	129.8	129.4	128.6	128.6	126.1	127.3	129.0
Maryland .....	502.8	503.2	501.7	501.3	505.3	505.9	500.1	502.5	503.0	499.3	499.9	497.5	496.9
Massachusetts .....	638.4	641.8	640.1	637.5	651.8	650.6	646.3	645.6	643.2	639.5	638.6	637.5	635.6
Michigan .....	925.8	933.5	933.4	935.7	947.3	950.2	939.7	934.7	935.5	933.8	936.8	933.6	933.0
Minnesota .....	531.2	532.2	532.3	532.8	535.0	535.1	533.2	533.7	535.3	534.8	534.3	534.0	536.0
Mississippi .....	200.3	202.5	202.7	202.1	204.3	204.6	203.3	202.5	201.3	202.4	202.6	202.6	202.6
Missouri .....	553.5	553.5	553.4	552.5	557.9	560.0	557.6	557.8	556.0	555.3	553.7	553.8	554.6
Montana .....	85.6	86.3	86.8	86.8	87.9	88.1	88.0	87.8	87.5	86.7	87.4	87.6	87.5
Nebraska .....	187.7	190.0	189.0	189.0	189.9	190.3	189.1	188.1	188.6	186.9	184.8	186.4	187.1
Nevada .....	131.2	131.9	132.0	132.0	132.7	133.0	132.9	133.2	132.5	132.2	132.8	133.3	134.0
New Hampshire .....	123.8	123.6	123.6	123.3	127.0	127.7	125.7	125.6	125.1	123.9	123.8	123.0	122.6
New Jersey .....	802.3	803.7	802.9	799.9	804.1	804.3	796.4	796.9	797.3	798.8	798.2	794.0	788.6
New Mexico .....	142.3	142.5	142.3	142.8	143.2	143.9	143.6	144.5	144.8	145.1	145.6	146.0	146.8
New York .....	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	1,556.8	1,549.1	1,543.8
North Carolina .....	716.6	719.0	721.4	722.3	732.2	734.5	727.7	726.1	725.4	722.9	725.8	726.9	727.6
North Dakota .....	73.3	73.6	73.7	73.9	74.8	74.8	73.9	73.7	73.6	73.9	74.2	74.4	74.5
Ohio .....	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	1,161.9	1,161.8	1,162.6
Oklahoma .....	282.4	283.6	281.1	280.0	283.7	289.0	289.0	289.3	288.3	288.7	291.5	289.6	287.7
Oregon .....	321.9	321.8	321.9	323.0	325.2	326.6	325.2	323.8	323.0	323.7	325.6	323.3	324.6
Pennsylvania .....	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	1,165.5	1,161.9	1,159.5
Rhode Island .....	89.9	90.0	89.3	89.1	92.1	92.2	91.3	91.6	91.1	90.7	91.0	90.5	89.9
South Carolina .....	346.4	351.1	350.8	350.8	355.5	357.8	357.8	357.3	357.1	355.7	357.7	356.5	358.0
South Dakota .....	79.5	79.9	80.0	80.1	80.6	80.8	81.2	80.8	80.6	80.3	80.8	81.4	81.1
Tennessee .....	520.3	521.1	520.4	519.9	523.8	525.9	525.7	526.6	525.9	527.6	530.4	529.7	530.8
Texas .....	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	1,785.1	1,787.5	1,790.0
Utah .....	185.2	186.0	185.3	185.2	188.4	188.4	190.9	191.0	191.9	191.6	192.4	192.9	193.6
Vermont .....	58.0	58.0	58.5	57.8	58.5	59.0	58.5	58.5	58.9	57.9	58.2	58.1	58.2
Virginia .....	631.8	633.6	631.6	631.4	636.2	636.4	633.4	635.4	634.5	630.3	631.3	627.9	629.2
Washington .....	538.7	540.1	539.5	539.6	547.6	548.2	546.6	546.8	545.9	542.9	546.5	543.3	545.9
West Virginia .....	146.6	146.8	147.1	147.4	148.5	148.6	148.3	148.8	149.5	148.9	150.4	150.2	151.1
Wisconsin .....	546.9	547.0	545.7	546.1	550.7	551.8	551.0	551.0	551.0	550.6	549.8	549.5	550.1
Wyoming .....	47.0	46.7	46.5	46.5	46.8	47.1	47.3	47.3	47.5	47.6	47.4	47.3	47.3

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
Finance, insurance, and real estate													
Alabama .....	73.6	73.7	73.7	73.7	74.3	74.3	74.2	74.4	74.2	74.9	74.6	74.8	74.9
Alaska .....	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.7	10.7	10.7	10.7	10.8	10.9
Arizona .....	94.3	94.2	94.7	94.7	95.9	95.9	95.8	95.5	95.2	95.0	95.2	95.4	95.8
Arkansas .....	39.0	39.2	39.3	39.4	39.6	39.4	39.3	39.4	39.2	39.2	39.3	39.5	39.6
California .....	788.0	787.2	787.1	785.9	785.5	782.2	781.4	780.4	780.2	779.8	781.0	779.8	780.1
Colorado .....	100.4	100.7	100.7	100.9	102.0	101.9	101.8	102.0	102.3	102.7	103.6	103.8	104.5
Connecticut .....	141.8	141.5	141.5	140.5	138.7	139.3	138.7	139.7	139.7	138.8	138.5	138.3	138.1
Delaware .....	33.4	33.4	33.5	33.3	33.8	33.8	33.5	33.6	33.5	33.4	33.8	33.7	34.2
District of Columbia .....	33.5	33.8	33.9	33.7	33.8	32.7	32.7	32.7	32.7	32.2	31.3	31.1	30.9
Florida .....	350.9	352.1	351.8	351.6	353.4	354.0	353.3	354.4	353.5	353.3	354.2	354.9	354.2
Georgia .....	162.3	162.4	163.0	163.1	163.7	163.9	163.7	164.0	163.4	163.5	164.6	164.1	164.2
Hawaii .....	37.6	37.7	37.7	37.6	37.8	37.7	37.6	37.3	37.5	37.3	37.7	37.9	38.0
Idaho .....	21.7	21.9	21.9	22.0	22.3	22.3	22.3	22.3	22.3	22.3	22.4	22.2	22.3
Illinois .....	375.5	376.7	378.0	375.8	377.2	378.3	378.1	379.2	379.5	377.2	378.9	378.4	380.6
Indiana .....	127.6	127.6	127.9	127.9	129.9	130.0	130.1	130.3	130.5	130.6	131.1	131.1	131.1
Iowa .....	72.6	72.9	73.1	73.2	73.3	73.7	73.4	73.6	73.5	73.2	73.9	73.7	73.8
Kansas .....	57.8	58.0	58.1	58.2	58.4	58.3	58.3	57.9	57.8	57.7	57.8	58.0	58.0
Kentucky .....	62.9	63.1	63.1	63.3	63.8	64.1	63.9	63.7	63.3	63.0	62.9	62.8	62.6
Louisiana .....	77.1	77.5	77.3	77.1	77.7	77.9	77.6	77.3	77.1	76.2	76.5	76.4	76.6
Maine .....	24.8	24.1	23.9	23.9	24.0	24.0	23.9	23.9	24.3	24.3	24.2	24.5	24.3
Maryland .....	128.1	129.0	128.6	128.5	129.1	128.5	128.4	128.6	128.4	127.7	128.4	128.1	128.4
Massachusetts .....	194.7	195.8	195.3	194.0	195.8	194.7	193.8	193.6	192.5	191.7	191.5	191.7	191.2
Michigan .....	188.0	188.3	188.0	187.6	189.2	189.3	187.8	188.5	188.1	188.2	188.8	188.5	188.2
Minnesota .....	130.3	130.7	131.0	131.0	132.2	132.4	132.5	133.5	133.9	134.5	135.4	135.9	136.1
Mississippi .....	38.2	38.2	38.3	38.4	38.8	38.8	38.6	38.5	38.7	39.3	39.3	39.5	39.5
Missouri .....	135.9	136.5	136.7	136.6	138.7	138.6	138.3	138.5	137.7	137.8	137.8	137.6	137.9
Montana .....	14.4	14.5	14.6	14.6	14.8	14.7	14.6	14.6	14.6	14.5	14.5	14.3	14.6
Nebraska .....	48.9	49.2	49.0	48.8	49.2	48.8	48.6	48.9	48.7	48.8	49.0	48.8	48.8
Nevada .....	29.5	29.4	29.6	29.6	30.3	30.5	30.6	30.6	30.8	30.9	31.1	31.2	31.3
New Hampshire .....	29.4	29.4	29.4	29.5	29.3	29.4	29.3	29.1	29.2	29.0	29.3	29.1	29.0
New Jersey .....	225.7	226.0	226.3	226.5	226.2	225.6	225.7	225.4	225.7	226.5	227.3	227.4	227.8
New Mexico .....	26.6	26.6	26.6	26.5	26.6	26.8	26.7	26.6	26.8	27.0	27.0	27.1	27.2
New York .....	733.3	735.2	734.4	732.8	735.1	734.4	731.8	731.6	731.1	730.7	730.2	728.2	727.0
North Carolina .....	135.4	136.4	136.3	136.8	138.2	138.5	138.7	139.1	138.6	138.6	139.0	139.0	140.1
North Dakota .....	13.0	13.1	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.3	13.3	13.4	13.5
Ohio .....	256.6	256.7	256.8	257.1	257.9	257.9	258.1	258.2	257.7	257.5	257.8	257.5	257.0
Oklahoma .....	60.4	60.3	60.4	60.4	60.6	60.4	60.5	60.7	60.4	60.4	60.5	60.2	60.3
Oregon .....	86.7	87.2	87.3	87.2	87.7	88.3	87.9	87.9	87.9	88.3	89.1	89.4	89.8
Pennsylvania .....	298.7	299.6	299.5	298.5	301.9	301.4	300.8	300.9	301.3	301.4	301.0	301.1	300.0
Rhode Island .....	25.1	25.0	24.9	24.7	24.7	24.4	24.6	24.7	24.5	24.7	24.4	24.4	24.4
South Carolina .....	64.5	64.7	64.7	64.6	65.4	65.1	64.9	65.3	64.8	65.2	65.2	65.1	64.8
South Dakota .....	17.1	17.1	17.0	17.0	17.2	17.5	17.5	17.6	17.7	17.7	17.9	17.9	17.9
Tennessee .....	100.7	100.6	100.6	100.4	101.5	101.2	101.2	101.0	100.6	100.5	100.9	100.4	100.4
Texas .....	418.1	418.6	418.7	418.5	425.8	425.0	424.5	424.3	425.7	427.7	429.8	429.1	431.3
Utah .....	37.4	37.6	37.7	37.6	37.8	37.8	37.9	38.4	39.0	39.6	39.8	40.4	41.0
Vermont .....	11.8	11.9	11.7	11.7	11.6	11.7	11.8	11.7	11.6	11.6	11.6	11.6	11.5
Virginia .....	148.0	148.2	147.8	148.2	149.8	150.1	149.6	150.4	149.9	149.4	150.4	150.5	150.0
Washington .....	118.0	118.0	117.9	117.9	117.6	117.7	117.2	117.3	116.8	117.0	117.3	117.2	118.3
West Virginia .....	24.7	24.7	24.8	24.7	24.8	24.9	24.8	25.0	25.1	24.9	25.1	25.0	24.9
Wisconsin .....	127.7	127.8	127.8	128.1	128.3	128.5	128.6	129.4	129.3	129.5	130.0	130.3	130.8
Wyoming .....	7.4	7.4	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.4	7.5	7.5	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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Services</b>													
Alabama .....	347.9	349.8	352.1	352.8	355.0	356.0	355.7	354.8	354.8	353.3	354.0	353.6	355.1
Alaska .....	54.3	54.3	54.4	54.4	54.9	54.8	54.9	55.3	55.1	55.1	55.2	55.2	55.8
Arizona .....	429.4	430.7	430.2	431.7	433.1	432.1	433.2	433.6	434.6	436.6	439.7	439.0	442.5
Arkansas .....	211.7	212.8	213.4	214.0	214.9	213.4	212.9	213.7	214.2	215.1	215.3	215.3	216.0
California .....	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	3,450.1	3,448.8	3,446.1
Colorado .....	445.7	450.5	449.9	451.1	450.3	451.0	451.8	455.4	455.6	456.0	459.6	460.9	464.9
Connecticut .....	417.9	419.6	420.8	420.5	421.6	422.4	419.3	423.2	421.4	419.6	420.4	420.1	418.8
Delaware .....	87.2	87.9	87.9	87.7	89.0	88.1	87.2	87.8	86.9	87.2	87.3	87.5	87.6
District of Columbia .....	255.9	257.2	256.1	256.2	255.0	257.0	256.1	257.0	255.2	254.0	256.2	256.8	256.3
Florida .....	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	1,748.5	1,748.9	1,753.2
Georgia .....	877.7	887.5	886.8	885.2	895.8	894.6	891.2	897.7	902.4	905.0	910.9	913.7	915.5
Hawaii .....	161.9	160.9	160.8	160.7	159.5	159.3	159.4	160.4	161.0	159.8	160.7	159.1	158.8
Idaho .....	91.1	92.1	92.6	93.0	92.6	89.5	92.7	93.1	92.8	92.5	92.7	92.9	93.4
Illinois .....	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	1,415.9	1,422.6	1,423.1
Indiana .....	553.2	559.9	564.3	565.8	565.0	567.2	565.4	565.2	563.7	565.2	566.6	567.6	565.7
Iowa .....	306.5	306.8	306.9	306.9	308.6	308.1	306.8	306.0	305.6	305.0	303.7	304.3	305.3
Kansas .....	259.4	261.5	262.2	263.1	263.8	265.4	264.3	264.6	264.3	265.0	265.2	265.9	266.8
Kentucky .....	350.7	353.4	354.3	354.7	359.2	359.8	359.3	357.1	356.6	356.1	356.5	356.5	355.6
Louisiana .....	396.3	398.4	399.8	400.4	400.2	401.3	399.8	397.6	395.5	397.3	399.1	398.3	397.6
Maine .....	130.9	130.1	130.3	130.0	131.4	131.2	130.9	130.1	129.9	129.7	130.3	130.5	133.3
Maryland .....	631.0	632.8	632.6	631.7	636.9	635.8	632.6	635.8	637.8	634.4	637.8	633.6	633.6
Massachusetts .....	907.3	910.6	910.3	907.5	922.8	916.3	916.5	914.8	914.8	914.6	918.8	920.1	921.7
Michigan .....	974.8	975.1	983.7	986.6	999.3	999.4	998.5	995.1	998.7	998.0	1,006.7	1,007.1	1,008.9
Minnesota .....	599.9	602.9	604.7	607.9	610.7	613.6	614.1	617.2	618.6	621.3	624.8	624.4	627.9
Mississippi .....	180.6	185.8	186.2	187.1	187.2	186.5	185.4	186.0	184.4	182.9	185.2	186.5	186.2
Missouri .....	602.8	606.7	603.8	603.8	608.6	612.2	612.2	614.6	613.1	610.9	610.9	612.2	615.7
Montana .....	82.2	82.8	83.2	84.1	85.1	85.4	85.0	84.5	84.2	83.9	85.6	85.7	86.1
Nebraska .....	186.9	187.9	187.2	186.2	185.5	184.5	185.2	185.7	186.5	185.0	184.6	184.8	186.2
Nevada .....	284.6	286.5	287.7	287.8	290.4	288.6	288.5	288.1	287.1	287.0	288.1	288.0	288.1
New Hampshire .....	129.5	131.1	130.8	131.2	133.3	132.9	132.6	132.5	132.3	131.0	131.9	131.9	132.7
New Jersey .....	972.7	976.0	976.4	976.6	980.2	977.7	977.8	978.7	976.3	974.1	980.9	979.0	981.0
New Mexico .....	160.0	159.9	160.6	160.8	160.4	161.8	161.7	162.0	163.2	163.9	165.6	165.8	166.8
New York .....	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	2,377.4	2,381.5	2,382.2
North Carolina .....	644.2	652.2	656.5	660.8	662.7	666.4	666.2	669.9	673.9	679.0	682.3	679.6	680.8
North Dakota .....	74.0	74.3	74.6	74.3	75.1	75.2	75.0	74.7	75.0	75.6	75.8	75.6	75.7
Ohio .....	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	1,263.4	1,264.3	1,264.9
Oklahoma .....	284.3	287.5	287.3	288.2	289.2	292.0	294.3	293.4	293.5	293.9	297.0	294.6	295.3
Oregon .....	312.2	313.6	314.1	313.7	316.6	319.7	319.9	320.8	320.7	322.2	322.9	322.3	325.6
Pennsylvania .....	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	1,512.3	1,508.8	1,518.3
Rhode Island .....	127.5	127.7	127.8	128.0	129.2	129.0	127.4	127.0	126.9	127.9	128.6	128.5	129.0
South Carolina .....	311.0	314.3	315.7	316.6	317.9	319.7	320.5	321.9	321.7	321.9	323.3	324.4	324.7
South Dakota .....	78.3	78.6	79.0	79.2	79.8	79.6	79.8	79.9	79.0	79.9	79.8	79.8	79.5
Tennessee .....	538.6	540.7	543.4	544.4	548.5	547.5	547.9	550.2	548.9	549.2	551.5	551.0	552.0
Texas .....	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	1,893.1	1,892.1	1,898.0
Utah .....	199.3	201.5	201.8	203.2	203.5	204.8	206.0	207.5	209.6	210.7	213.0	213.4	213.4
Vermont .....	69.7	70.2	70.8	70.0	69.3	71.9	71.6	71.8	71.1	70.8	70.7	70.7	71.7
Virginia .....	758.1	762.5	767.0	765.4	770.1	770.1	767.8	773.1	772.2	770.6	776.7	777.3	777.4
Washington .....	557.4	561.5	564.4	565.4	567.0	568.6	567.4	568.4	569.7	569.1	568.9	568.3	569.8
West Virginia .....	158.8	160.3	160.8	161.0	161.6	162.6	161.7	163.7	164.3	164.1	163.6	164.1	165.3
Wisconsin .....	572.2	576.7	578.6	579.8	580.6	582.6	582.5	582.6	584.7	583.0	586.0	585.4	589.2
Wyoming .....	41.8	42.1	41.9	42.1	42.1	42.0	41.9	41.6	42.7	42.0	42.2	42.1	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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Government</b>													
Alabama	336.9	339.6	340.4	341.2	341.2	342.7	342.8	341.2	341.9	342.6	341.0	339.4	341.2
Alaska	73.1	73.5	73.9	73.4	74.9	73.8	73.7	73.8	74.4	74.0	73.2	74.0	74.1
Arizona	290.9	280.1	281.2	279.4	283.7	287.1	287.2	284.5	281.1	292.3	293.6	290.3	292.8
Arkansas	168.9	168.9	168.8	169.3	170.2	169.5	169.4	169.4	168.7	168.6	167.1	167.8	168.7
California	2,090.4	2,083.9	2,080.8	2,078.3	2,071.7	2,073.4	2,068.3	2,067.9	2,069.5	2,071.3	2,081.3	2,086.6	2,073.0
Colorado	292.5	294.0	294.1	294.3	294.2	295.3	295.4	295.7	295.4	293.4	295.6	297.2	294.3
Connecticut	204.0	205.3	205.8	204.8	204.3	204.7	207.7	205.8	208.2	207.1	211.6	209.3	205.6
Delaware	48.7	49.1	49.1	49.1	48.5	49.5	49.4	49.4	49.5	50.1	49.8	49.6	50.8
District of Columbia	287.2	288.2	289.1	289.3	289.2	290.3	289.9	290.8	290.9	289.1	296.6	290.1	289.9
Florida	873.2	873.4	870.4	872.3	870.3	875.4	873.7	884.9	878.2	884.7	890.6	894.9	880.8
Georgia	536.4	538.4	540.0	540.2	540.6	541.2	540.3	541.0	539.9	538.8	532.6	533.0	540.5
Hawaii	111.2	111.5	111.5	112.1	111.4	112.2	112.5	112.6	113.3	112.2	111.0	111.2	111.7
Idaho	87.8	87.5	87.8	87.3	87.0	88.4	87.8	87.7	88.6	87.5	88.0	88.3	88.4
Illinois	766.6	773.0	771.0	770.5	770.9	773.5	769.7	767.6	771.6	765.8	756.1	756.5	761.6
Indiana	387.6	388.5	388.9	388.5	386.2	388.6	388.7	388.9	388.9	391.6	388.8	386.2	395.4
Iowa	222.0	222.4	224.8	222.0	222.4	220.9	223.5	222.6	222.8	221.8	222.1	224.1	224.5
Kansas	227.1	227.6	228.6	228.6	228.6	230.2	231.1	232.6	231.0	233.7	234.6	228.9	235.0
Kentucky	276.2	276.0	275.9	276.4	273.2	277.3	277.6	276.7	273.8	280.0	279.7	278.7	279.8
Louisiana	343.7	328.8	329.5	330.8	334.9	335.7	336.4	331.4	329.6	336.7	346.1	350.3	347.9
Maine	95.6	94.9	94.6	94.4	94.9	95.4	95.8	94.6	94.4	94.0	93.2	94.0	93.5
Maryland	412.6	413.8	413.6	413.5	416.8	416.6	416.5	417.2	416.3	415.6	412.7	413.1	418.8
Massachusetts	373.4	374.7	375.1	373.4	371.9	373.3	374.6	375.7	374.7	372.8	374.0	374.3	374.1
Michigan	636.2	643.2	644.9	642.7	641.6	639.6	638.8	640.2	643.4	640.5	630.8	626.6	636.9
Minnesota	346.1	349.2	349.9	348.9	349.4	349.2	351.0	349.7	350.5	351.0	351.2	352.4	353.5
Mississippi	210.5	211.0	211.3	212.0	211.9	214.0	212.6	213.7	214.4	214.7	214.3	220.2	215.7
Missouri	371.8	373.3	374.0	374.3	372.5	374.8	375.1	377.0	377.2	378.2	377.2	375.3	378.4
Montana	74.1	73.7	73.8	74.0	73.9	74.2	74.2	74.0	73.5	74.2	74.2	74.6	74.6
Nebraska	147.0	146.8	151.1	145.8	147.1	147.0	146.9	146.7	146.1	144.4	147.9	148.3	148.8
Nevada	90.5	86.5	90.6	87.1	87.4	87.0	88.6	88.7	89.0	92.4	89.1	90.5	89.4
New Hampshire	71.9	71.9	72.1	72.2	71.2	72.7	72.4	72.6	71.8	72.5	73.7	73.7	76.6
New Jersey	567.9	568.9	569.3	568.9	569.1	568.7	568.6	566.9	569.0	570.1	561.1	561.3	570.8
New Mexico	155.7	155.8	160.6	156.5	157.0	157.2	157.9	157.6	159.7	158.4	158.8	159.5	159.2
New York	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	1,431.6	1,427.8	1,413.6
North Carolina	510.7	508.7	508.2	510.5	513.8	514.0	513.0	513.4	514.7	513.6	519.9	526.4	523.0
North Dakota	67.3	67.5	67.5	67.5	67.9	67.9	67.6	67.5	67.4	66.2	67.3	67.1	69.2
Ohio	734.0	735.0	733.4	733.5	734.8	734.3	733.3	733.4	733.9	734.7	728.0	735.6	735.3
Oklahoma	269.1	269.0	268.3	268.5	269.6	267.9	266.1	267.1	267.7	270.6	283.8	276.4	263.2
Oregon	231.4	230.6	237.5	231.8	232.1	232.6	232.8	232.5	232.0	233.0	231.9	231.4	231.8
Pennsylvania	696.3	696.5	696.9	695.6	696.1	697.8	697.2	696.1	700.2	700.5	698.4	699.3	691.9
Rhode Island	61.7	61.8	62.4	61.8	61.3	61.0	61.5	60.7	62.0	62.0	61.3	62.0	59.0
South Carolina	292.4	292.7	301.0	292.8	296.9	294.8	295.7	296.6	295.0	295.8	297.7	298.4	298.2
South Dakota	65.8	65.7	66.5	65.7	65.6	65.6	65.2	64.8	64.8	65.6	65.4	66.4	67.9
Tennessee	353.9	354.5	355.3	355.1	355.0	355.1	355.7	355.4	355.7	354.8	354.5	355.8	356.6
Texas	1,340.5	1,344.3	1,343.8	1,346.4	1,358.0	1,361.6	1,367.5	1,367.9	1,367.9	1,369.6	1,368.4	1,377.0	1,378.4
Utah	157.8	158.3	158.3	158.6	157.6	158.0	158.6	156.9	157.6	159.1	159.1	159.9	160.2
Vermont	43.0	43.3	43.5	43.1	43.9	43.4	42.9	43.4	43.5	43.2	43.1	42.9	43.2
Virginia	591.0	593.3	593.8	593.9	594.4	594.6	594.4	593.8	591.2	591.4	594.3	591.5	590.0
Washington	425.0	426.4	427.2	427.9	428.1	425.7	428.4	429.7	426.9	429.5	428.0	425.9	423.7
West Virginia	131.0	131.2	131.3	131.8	131.5	131.4	132.1	132.6	132.4	133.3	131.6	132.4	132.6
Wisconsin	359.7	358.4	360.3	358.7	359.9	361.7	360.7	358.9	363.5	362.2	362.2	363.0	363.8
Wyoming	56.7	56.8	57.4	57.1	57.2	57.2	57.2	56.7	56.6	57.4	57.0	55.9	56.7

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

<sup>P</sup> = 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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Alabama</b> .....	1,680.0	1,683.7	1,693.0	10.9	10.7	10.8	77.5	78.5	77.9
Birmingham .....	430.4	432.0	434.6	5.1	5.0	5.1	22.3	23.2	23.0
Huntsville .....	140.9	139.8	139.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.7	4.8	4.8
Mobile .....	188.0	191.5	192.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.3	14.1	14.1
Montgomery .....	137.8	141.6	141.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.6	6.6	6.6
Tuscaloosa .....	66.0	67.6	68.9	2.5	2.5	2.5	3.3	3.4	3.4
<b>Alaska</b> .....	257.0	268.4	262.5	10.6	10.7	10.6	13.2	14.8	14.5
Anchorage .....	117.6	121.1	120.8	3.3	3.4	3.3	6.9	8.1	8.1
<b>Arizona</b> .....	1,538.5	1,523.8	1,562.3	12.7	12.4	12.3	84.4	90.4	89.5
Phoenix .....	997.2	993.4	1,012.4	.8	.8	.8	55.3	60.2	60.1
Tucson .....	268.8	263.4	272.5	2.3	1.9	1.9	14.6	16.9	16.4
<b>Arkansas</b> .....	979.1	979.3	994.8	3.6	3.7	3.7	40.2	41.1	40.8
Fayetteville-Springdale .....	60.5	60.8	62.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.4	2.4
Fort Smith .....	82.8	82.5	82.7	.7	.8	.9	2.8	2.9	2.9
Little Rock-North Little Rock .....	268.3	267.2	270.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.9	12.0	11.8
Pine Bluff .....	34.2	33.4	34.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	.9	.9
<b>California</b> .....	12,124.0	11,909.3	11,953.3	34.3	33.1	32.8	488.0	476.5	472.6
Anaheim-Santa Ana .....	1,119.0	1,101.5	1,105.8	1.1	1.0	1.0	49.1	44.4	43.8
Bakersfield .....	173.8	171.0	173.1	11.6	11.2	11.2	9.1	9.6	9.2
Fresno .....	230.0	229.8	231.7	.5	.4	.4	11.5	11.5	11.5
Los Angeles-Long Beach .....	3,801.1	3,710.5	3,730.7	8.0	8.0	7.9	106.7	102.5	101.7
Modesto .....	124.6	127.9	126.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.6	6.3	6.3
Oakland .....	864.0	847.9	852.6	3.3	3.2	3.3	42.3	42.6	42.9
Oxnard-Ventura .....	224.6	219.5	220.4	1.9	1.8	1.8	10.4	10.8	10.7
Riverside-San Bernardino .....	717.3	899.0	706.7	1.3	1.4	1.3	41.7	39.6	39.6
Sacramento .....	623.9	622.1	624.1	.8	.7	.7	31.0	30.7	30.8
Salinas-Seaside-Monterey .....	110.3	110.3	108.6	.3	.3	.3	3.9	3.8	3.8
San Diego .....	942.3	926.0	928.0	.5	.5	.5	43.5	41.2	40.9
San Francisco .....	915.0	907.0	909.5	.6	.6	.6	28.7	29.3	29.4
San Jose .....	783.5	771.8	768.3	.2	.2	.2	28.7	28.3	28.3
Santa Barbara-Santa Maria-Lompoc .....	141.1	137.6	137.8	1.0	1.0	1.0	5.8	5.1	5.1
Santa Rosa-Petaluma .....	143.6	139.6	144.0	.6	.6	.6	8.4	8.6	8.7
Stockton .....	160.4	159.1	157.8	.1	.1	.1	6.5	6.6	6.4
Vallejo-Fairfield-Napa .....	142.2	139.8	140.1	.5	.4	.4	10.4	10.1	10.1
<b>Colorado</b> .....	1,607.0	1,643.9	1,650.0	16.3	15.8	15.8	79.4	89.0	87.1
Boulder-Longmont .....	128.8	130.4	132.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.5	5.0	4.8
Denver .....	878.1	899.8	901.8	8.8	8.4	8.3	43.3	52.9	51.2
<b>Connecticut</b> .....	1,519.1	1,472.2	1,486.8	.9	.9	.9	51.2	49.2	47.8
Bridgeport-Milford .....	175.9	174.5	174.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.0	5.2	4.9
Hartford .....	429.5	409.1	418.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.0	13.0	12.5
New Britain .....	81.7	58.2	60.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	4.2	3.6	3.6
New Haven-Meriden .....	238.1	228.9	232.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.5	8.9	8.7
Stamford .....	113.1	112.0	111.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.1	2.7	2.6
Waterbury .....	81.1	80.8	80.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.7	2.4	2.5
<b>Delaware</b> .....	346.4	349.5	348.4	.1	.1	.1	19.4	20.6	19.8
Wilmington .....	286.4	285.9	287.6	.2	.2	.2	16.1	15.2	14.6
<b>District of Columbia</b> .....	677.5	674.7	675.9	.1	.1	.1	8.8	9.6	9.4
Washington MSA .....	2,193.5	2,189.4	2,205.1	.6	.6	.6	98.3	98.5	97.9
<b>Florida</b> .....	5,323.4	5,389.4	5,442.8	6.9	5.9	5.9	267.9	279.7	280.8
Daytona Beach .....	123.1	125.6	127.5	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.0	6.5	6.4
Fort Lauderdale-Hollywood-Pompano Beach .....	510.1	522.6	530.4	.2	.2	.2	27.5	30.1	29.8
Fort Myers-Cape Coral .....	122.3	126.6	128.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9.8	11.5	11.5
Gainesville .....	101.3	101.5	104.8	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	3.6	3.8	3.6
Jacksonville .....	418.6	422.5	423.7	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	22.5	23.2	23.5
Lakeland-Winter Haven .....	146.4	147.5	149.5	3.2	2.4	2.4	6.9	6.5	6.6
Melbourne-Titusville-Palm Bay .....	181.2	160.7	160.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.0	7.4	7.4
Miami-Hialeah .....	860.9	873.8	882.7	.6	.5	.6	32.2	41.2	41.9
Orlando .....	573.3	585.6	591.4	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	29.6	29.1	29.1
Pensacola .....	132.7	133.7	134.3	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.3	7.6	7.6
Sarasota .....	112.9	113.8	115.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	7.1	7.2	7.4
Tallahassee .....	128.6	127.8	130.1	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	5.2	5.2	5.3
Tampa-St. Petersburg-Clearwater .....	862.8	864.2	875.2	.5	.4	.4	41.5	39.9	40.0
West Palm Beach-Boca Raton-Delray Beach .....	347.4	348.0	353.6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	19.3	19.8	19.9

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>
<b>Alabama</b> .....	382.9	380.4	380.1	82.8	83.2	83.5	370.1	371.8	372.1
Birmingham .....	54.0	53.2	53.5	30.9	30.6	30.9	104.0	105.1	105.2
Huntsville .....	32.2	31.5	31.2	3.2	3.3	3.3	26.4	26.7	26.7
Mobile .....	27.8	27.8	27.9	11.1	10.7	10.7	49.2	49.4	49.1
Montgomery .....	16.6	17.6	17.4	5.8	5.8	5.8	31.6	32.2	32.3
Tuscaloosa .....	9.9	10.6	10.7	2.2	2.2	2.2	14.2	14.5	14.6
<b>Alaska</b> .....	19.2	24.1	18.8	24.3	25.0	24.5	49.4	52.6	51.4
Anchorage .....	2.2	2.3	2.0	12.7	12.9	12.8	26.9	27.7	27.6
<b>Arizona</b> .....	172.0	171.4	171.4	81.4	77.8	77.5	375.1	379.0	382.0
Phoenix .....	127.8	127.7	127.3	56.6	53.6	53.6	244.4	247.8	250.5
Tucson .....	23.7	23.8	24.1	10.9	11.1	11.0	64.0	63.5	63.7
<b>Arkansas</b> .....	237.7	243.1	243.1	56.2	56.6	56.7	216.1	220.2	220.3
Fayetteville-Springdale .....	14.4	15.3	15.5	4.4	4.7	4.6	13.7	13.7	13.9
Fort Smith .....	24.5	25.7	25.3	5.1	5.5	5.5	17.0	16.9	16.8
Little Rock-North Little Rock .....	33.5	33.7	33.6	17.3	17.3	17.3	62.6	63.2	63.2
Pine Bluff .....	7.1	7.1	7.1	2.3	2.2	2.1	7.1	7.0	7.1
<b>California</b> .....	1,892.9	1,815.1	1,799.8	610.0	600.2	602.9	2,826.1	2,769.9	2,771.6
Anaheim-Santa Ana .....	217.2	208.8	207.6	35.6	36.7	36.9	278.1	273.4	272.7
Bakersfield .....	10.7	10.5	10.7	8.5	8.3	8.3	41.7	41.4	41.6
Fresno .....	26.5	28.6	27.2	12.2	12.3	12.5	56.6	56.0	55.7
Los Angeles-Long Beach .....	710.7	656.8	657.5	203.1	198.1	198.3	854.6	837.7	839.0
Modesto .....	29.3	32.2	29.4	5.5	5.6	5.6	30.5	30.4	30.4
Oakland .....	109.1	104.4	103.5	54.1	53.8	54.0	201.9	199.5	199.0
Oxnard-Ventura .....	31.8	31.2	30.8	10.9	9.9	10.1	53.2	52.3	52.5
Riverside-San Bernardino .....	86.6	83.2	82.6	36.5	36.0	36.1	183.3	181.5	182.1
Sacramento .....	44.5	44.3	44.2	29.3	29.2	29.4	142.5	142.1	142.6
Salinas-Seaside-Monterey .....	9.1	9.9	9.4	5.1	5.1	5.1	28.9	28.8	28.5
San Diego .....	122.1	115.2	114.6	34.7	34.8	34.8	220.1	214.5	214.7
San Francisco .....	76.0	75.7	75.4	78.0	76.2	76.3	195.1	191.2	191.6
San Jose .....	235.3	227.6	225.5	22.4	22.6	22.8	156.7	152.8	153.0
Santa Barbara-Santa Maria-Lompoc .....	18.5	17.9	17.4	5.4	4.8	4.9	33.0	32.4	32.5
Santa Rosa-Petaluma .....	21.2	20.5	21.0	5.9	5.9	5.9	35.8	35.1	35.4
Stockton .....	26.0	28.1	24.9	10.6	10.6	10.6	38.8	37.9	38.1
Vallejo-Fairfield-Napa .....	13.9	13.3	13.2	5.8	6.2	6.2	35.1	34.9	35.2
<b>Colorado</b> .....	185.9	184.4	184.3	99.8	102.8	102.4	389.9	401.2	400.1
Boulder-Longmont .....	28.5	28.8	28.8	3.1	3.3	3.2	27.5	28.2	28.1
Denver .....	90.2	89.0	88.7	71.6	73.8	73.7	211.3	217.5	217.3
<b>Connecticut</b> .....	305.2	283.0	289.6	68.0	64.0	66.6	332.0	320.7	321.5
Bridgeport-Milford .....	45.6	45.2	45.5	7.0	6.6	6.7	39.8	38.2	38.2
Hartford .....	71.1	58.8	62.6	17.7	15.5	16.7	90.6	88.2	89.1
New Britain .....	16.6	15.1	16.0	2.6	2.1	2.6	12.8	12.6	13.1
New Haven-Meriden .....	42.5	40.7	41.7	15.7	15.7	15.5	49.5	47.0	47.0
Stamford .....	17.0	16.6	16.4	5.1	4.8	4.8	26.1	26.0	26.0
Waterbury .....	17.8	16.9	17.1	3.3	3.3	3.3	16.5	15.9	15.8
<b>Delaware</b> .....	67.8	65.8	65.6	14.3	14.2	14.6	76.5	78.4	76.8
Wilmington .....	56.9	54.9	55.0	16.2	15.9	16.2	57.4	57.7	57.5
<b>District of Columbia</b> .....	14.0	13.7	13.8	23.3	23.2	22.8	54.4	52.4	52.5
Washington MSA .....	79.1	78.2	78.2	103.7	102.5	102.0	407.0	405.0	403.3
<b>Florida</b> .....	478.0	478.6	479.6	271.7	276.9	276.7	1,388.4	1,422.3	1,423.6
Daytona Beach .....	11.3	11.1	11.1	3.8	3.8	3.8	35.1	36.3	36.0
Fort Lauderdale-Hollywood-Pompano Beach .....	39.8	40.9	41.3	24.4	26.0	26.1	145.6	150.1	151.2
Fort Myers-Cape Coral .....	5.3	5.4	5.4	5.6	5.8	5.8	33.5	35.2	35.3
Gainesville .....	5.5	6.0	6.2	2.0	2.1	2.1	21.6	21.7	22.1
Jacksonville .....	33.7	34.4	34.4	31.2	30.2	30.4	108.7	109.8	109.8
Lakeland-Winter Haven .....	19.7	20.6	20.7	7.3	7.2	7.2	40.8	42.1	42.1
Melbourne-Titusville-Palm Bay .....	28.8	28.1	27.8	4.6	4.7	4.7	36.0	35.9	35.8
Miami-Hialeah .....	83.3	84.4	84.8	67.2	70.7	70.7	223.7	230.2	231.7
Orlando .....	46.2	45.6	45.7	32.8	34.6	34.9	144.1	148.0	148.5
Pensacola .....	11.1	11.1	11.0	6.1	6.1	6.0	31.7	32.6	32.5
Sarasota .....	7.4	7.2	7.3	3.7	3.7	3.7	30.9	31.6	31.8
Tallahassee .....	4.3	4.3	4.2	3.2	3.1	3.1	27.3	27.4	28.1
Tampa-St. Petersburg-Clearwater .....	84.9	83.8	84.1	39.5	39.3	39.5	226.3	226.4	226.9
West Palm Beach-Boca Raton-Delray Beach .....	31.2	30.0	30.0	14.0	14.8	14.8	92.1	93.1	94.1

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Alabama</b> .....	74.0	75.5	75.3	349.3	355.4	356.5	332.5	328.2	336.8
Birmingham .....	30.3	31.3	31.2	113.8	117.2	116.8	70.0	66.4	68.9
Huntsville .....	4.0	4.3	4.2	37.0	36.6	36.8	33.4	32.6	32.9
Mobile .....	7.9	8.0	8.0	49.2	50.4	51.1	29.5	31.1	31.8
Montgomery .....	8.2	8.1	8.1	33.8	34.9	34.8	35.2	36.4	36.1
Tuscaloosa .....	2.1	2.3	2.3	10.0	10.6	10.7	21.8	21.5	22.5
<b>Alaska</b> .....	10.8	11.1	11.0	55.9	58.8	57.2	73.6	71.3	74.5
Anchorage .....	6.7	6.8	6.7	30.4	31.6	31.3	28.5	28.3	29.0
<b>Arizona</b> .....	94.4	95.9	95.9	427.1	434.8	440.3	291.4	262.1	293.4
Phoenix .....	74.8	75.9	76.0	287.4	291.7	296.8	150.1	135.7	147.3
Tucson .....	11.5	11.8	11.7	78.3	79.7	80.4	63.5	54.7	63.3
<b>Arkansas</b> .....	39.1	39.9	39.7	214.4	219.0	218.8	171.8	155.7	171.7
Fayetteville-Springdale .....	1.8	1.8	1.8	12.3	12.5	12.4	11.6	10.4	11.9
Fort Smith .....	2.6	2.7	2.6	21.0	20.3	19.9	9.1	7.7	8.8
Little Rock-North Little Rock .....	15.9	16.3	16.3	73.8	74.5	74.3	53.3	50.2	54.1
Pine Bluff .....	1.2	1.2	1.2	7.5	7.7	7.7	8.0	7.3	7.9
<b>California</b> .....	789.5	782.7	781.5	3,427.4	3,455.7	3,453.0	2,055.8	1,976.1	2,039.1
Anaheim-Santa Ana .....	94.6	92.6	92.9	320.2	326.0	325.2	123.1	118.6	125.7
Bakersfield .....	5.9	5.7	5.6	41.1	41.7	41.5	45.2	42.6	45.0
Fresno .....	13.2	13.1	13.0	56.8	57.9	57.9	52.7	50.0	53.5
Los Angeles-Long Beach .....	251.4	247.9	246.9	1,137.3	1,148.1	1,152.9	529.3	511.4	526.5
Modesto .....	5.0	5.1	5.0	26.4	26.7	26.9	21.3	21.6	22.5
Oakland .....	57.9	56.8	56.6	229.4	230.5	231.0	166.0	157.1	162.3
Oxnard-Ventura .....	12.1	12.3	12.3	61.0	61.2	61.1	43.3	40.0	41.1
Riverside-San Bernardino .....	31.0	30.5	30.4	181.9	181.8	183.1	155.0	145.0	151.5
Sacramento .....	42.6	43.4	43.6	149.9	150.8	149.9	183.3	180.9	182.9
Salinas-Seaside-Monterey .....	6.3	6.5	6.5	28.7	28.7	28.6	28.0	27.2	26.4
San Diego .....	61.2	60.1	60.4	285.4	291.6	286.5	174.8	168.1	175.6
San Francisco .....	102.4	102.9	102.5	303.9	306.4	305.7	130.3	124.7	128.0
San Jose .....	31.5	31.2	31.2	221.5	223.8	222.7	87.2	85.3	84.6
Santa Barbara-Santa Maria-Lompoc .....	7.6	7.6	7.6	42.4	42.1	41.7	27.4	26.7	27.6
Santa Rosa-Petaluma .....	9.5	9.5	9.4	37.1	37.9	38.1	25.1	21.5	24.9
Stockton .....	8.9	8.8	8.7	35.0	34.8	35.2	34.5	32.2	33.8
Vallejo-Fairfield-Napa .....	5.2	4.9	4.9	34.6	35.4	35.4	36.7	34.6	34.7
<b>Colorado</b> .....	100.3	104.8	104.4	445.0	469.2	464.0	290.4	276.7	291.9
Boulder-Longmont .....	4.6	4.9	4.8	36.1	38.3	37.8	24.5	21.9	25.2
Denver .....	67.2	69.7	69.5	248.1	257.8	257.0	137.6	130.7	136.1
<b>Connecticut</b> .....	142.0	140.0	138.4	419.7	421.8	420.5	200.1	192.6	201.5
Bridgeport-Milford .....	10.3	10.3	10.2	49.4	50.3	50.1	18.8	18.7	19.0
Hartford .....	69.9	69.5	68.9	106.5	107.1	107.8	60.7	57.0	60.8
New Britain .....	4.0	4.0	4.0	14.2	14.2	14.1	7.3	6.6	6.9
New Haven-Meriden .....	15.1	14.2	14.1	72.4	71.0	73.0	32.4	31.4	32.3
Stamford .....	13.6	13.5	13.3	38.0	38.8	37.9	10.2	9.6	10.3
Waterbury .....	4.3	4.5	4.3	24.3	24.9	25.0	12.2	12.7	12.8
<b>Delaware</b> .....	33.5	34.2	34.3	88.1	88.7	88.5	46.7	47.5	48.7
Wilmington .....	29.7	30.6	31.2	74.0	74.8	74.8	35.9	36.6	38.1
<b>District of Columbia</b> .....	33.6	31.4	31.0	257.5	255.3	257.8	285.8	289.0	288.5
Washington MSA .....	127.6	126.6	125.9	772.7	784.1	789.0	604.4	593.9	608.2
<b>Florida</b> .....	351.6	356.7	354.9	1,684.0	1,737.9	1,738.7	874.9	831.4	882.6
Daytona Beach .....	5.3	5.4	5.4	38.9	40.3	40.5	22.7	22.2	24.3
Fort Lauderdale-Hollywood-Pompano Beach .....	39.7	38.9	39.0	159.6	166.4	167.2	73.3	70.0	75.6
Fort Myers-Cape Coral .....	7.8	7.8	7.8	39.0	41.2	41.5	21.2	19.6	21.3
Gainesville .....	4.4	4.4	4.4	26.8	27.2	27.3	37.3	36.2	39.0
Jacksonville .....	44.7	44.6	44.4	116.3	120.1	119.8	61.1	59.8	61.0
Lakeland-Winter Haven .....	7.6	7.6	7.6	37.8	38.7	39.1	23.1	22.4	23.8
Melbourne-Titusville-Palm Bay .....	5.1	5.3	5.3	55.6	54.8	54.8	24.1	24.5	24.5
Miami-Hialeah .....	62.3	64.1	64.1	260.4	263.7	264.8	131.2	119.0	124.1
Orlando .....	34.1	35.7	35.6	217.5	228.2	225.8	68.8	64.2	71.6
Pensacola .....	5.2	5.2	5.2	40.3	42.0	42.1	30.6	28.7	29.6
Sarasota .....	7.6	7.6	7.6	42.7	43.6	43.4	13.5	12.9	13.8
Tallahassee .....	5.2	5.2	5.1	30.2	30.2	30.2	53.0	52.2	53.9
Tampa-St. Petersburg-Clearwater .....	62.4	63.6	63.0	289.7	300.4	302.4	118.0	110.4	118.9
West Palm Beach-Boca Raton-Delray Beach .....	25.7	26.1	26.0	117.5	119.0	119.9	47.6	45.2	48.9

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Georgia</b> .....	3,005.5	3,079.1	3,095.6	7.6	7.5	7.5	121.2	135.0	134.8
Albany .....	50.4	50.9	51.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	2.6	3.2	3.1
Athens .....	66.1	68.9	68.9	.1	.1	.1	2.1	2.4	2.3
Atlanta .....	1,512.2	1,580.3	1,587.5	1.1	1.0	1.0	62.7	75.4	75.0
Augusta .....	181.9	179.1	181.2	.5	.5	.5	12.4	12.5	12.3
Columbus .....	97.0	98.0	98.2	.1	.1	.1	3.7	3.7	3.6
Macon-Warner Robins .....	126.0	126.3	126.8	.1	.1	.1	3.7	3.7	3.6
Savannah .....	117.5	119.3	120.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	6.7	5.6	5.7
<b>Hawaii</b> .....	527.7	527.2	520.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	30.2	30.9	30.5
Honolulu .....	404.8	404.2	399.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	23.3	23.1	22.8
<b>Idaho</b> .....	427.9	430.6	438.2	2.7	2.6	2.5	24.9	26.1	26.1
Boise City .....	120.2	126.4	127.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.1	9.0	9.1
<b>Illinois</b> .....	5,234.5	5,252.9	5,283.0	18.6	15.2	14.8	220.2	218.0	215.7
Aurora-Elgin .....	155.0	156.9	157.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.9	8.3	8.4
Bloomington-Normal .....	70.9	69.2	71.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.3	2.3
Champaign-Urbana-Rantoul .....	93.7	84.6	91.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.3	3.2
Chicago .....	3,097.9	3,145.3	3,152.4	1.6	1.6	1.6	118.9	119.5	118.1
Davenport-Rock Island-Moline .....	166.8	166.6	167.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.6	8.4	8.4
Decatur .....	55.6	54.8	54.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.3	3.3
Joliet .....	118.6	118.3	119.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.6	9.4	9.4
Kankakee .....	39.6	38.8	38.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.0	1.9
Lake County .....	240.9	241.9	241.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.6	11.9	11.9
Peoria .....	153.0	153.0	153.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.3	7.4	7.5
Rockford .....	137.8	136.8	137.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	5.5	5.5
Springfield .....	110.7	115.1	110.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.2	5.0
<b>Indiana</b> .....	2,570.6	2,563.8	2,602.3	7.4	6.6	6.5	116.4	123.0	121.1
Anderson .....	50.5	48.8	49.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.8	1.8
Bloomington .....	59.0	54.4	57.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.6	3.6
Elkhart-Goshen .....	101.7	104.6	104.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.1	2.9
Evansville .....	140.7	140.8	141.6	1.8	1.5	1.5	8.0	8.7	8.5
Fort Wayne .....	204.4	204.7	207.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.7	10.2	10.0
Gary-Hammond .....	248.1	240.3	243.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.0	14.5	14.2
Indianapolis .....	682.3	688.1	691.3	.7	.6	.7	34.9	34.4	34.7
Kokomo .....	47.5	48.7	49.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.1	1.0
Lafayette-West Lafayette .....	74.1	70.0	75.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.2	3.0
Muncie .....	56.6	54.5	58.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.7	2.6
South Bend-Mishawaka .....	120.3	117.8	121.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.9	6.7	6.8
Terre Haute .....	61.9	58.3	60.8	.4	.4	.4	3.6	3.1	3.1
<b>Iowa</b> .....	1,264.0	1,251.0	1,268.9	2.3	2.3	2.2	52.6	55.0	53.5
Cedar Rapids .....	96.0	95.3	95.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.1	5.1	4.9
Des Moines .....	242.8	243.4	243.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	10.6	10.5	10.3
Dubuque .....	47.3	46.7	47.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	1.9	1.8
Iowa City .....	56.6	57.0	57.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.1	2.0
Sioux City .....	58.1	57.8	58.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.5	3.4
Waterloo-Cedar Falls .....	73.9	71.2	74.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.1	3.1
<b>Kansas</b> .....	1,119.6	1,118.4	1,142.5	8.9	8.3	8.3	46.6	49.4	49.0
Lawrence .....	39.7	38.0	40.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.4	1.4
Topeka .....	91.8	92.8	93.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	4.0	3.9
Wichita .....	247.5	239.9	242.8	1.7	1.7	1.7	11.9	12.4	12.4
<b>Kentucky</b> .....	1,528.2	1,529.7	1,542.3	30.0	26.9	26.9	73.6	74.5	74.6
Lexington-Fayette .....	209.7	212.1	215.1	.2	.2	.2	11.7	12.1	11.5
Louisville .....	495.5	503.7	503.8	.6	.6	.6	23.5	25.1	25.1
Owensboro .....	38.2	38.3	38.7	.6	.5	.5	2.4	2.4	2.4
<b>Louisiana</b> .....	1,635.2	1,628.6	1,637.4	44.6	43.8	43.6	100.7	99.9	100.3
Alexandria .....	47.5	48.1	48.5	.1	.1	.1	3.0	3.3	3.2
Baton Rouge .....	251.1	249.6	251.8	.9	.9	.9	30.9	29.9	30.1
Houma-Thibodaux .....	57.4	58.3	58.5	4.4	4.6	4.5	3.2	3.4	3.5
Lafayette .....	100.7	101.3	101.5	10.5	10.6	10.7	5.3	5.2	5.3
Lake Charles .....	71.5	72.4	73.4	1.0	.9	1.0	.8	9.2	9.7
Monroe .....	61.5	60.2	61.3	.4	.4	.4	3.5	3.5	3.7
New Orleans .....	538.2	532.8	537.3	13.7	12.5	12.4	23.5	22.9	23.1
Shreveport .....	139.1	140.9	140.9	2.7	2.7	2.6	7.0	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		
	Sept. 1992	Aug. 1993	Sept. 1993P	Sept. 1992	Aug. 1993	Sept. 1993P	Sept. 1992	Aug. 1993	Sept. 1993P
<b>Georgia</b> .....	550.0	547.3	549.1	198.8	204.2	206.1	750.3	778.4	776.7
Albany .....	7.8	7.5	7.4	2.6	2.5	2.7	12.6	12.7	12.8
Athens .....	14.9	15.0	15.0	1.8	1.8	1.8	16.1	17.2	17.8
Atlanta .....	173.4	174.1	175.1	133.3	136.2	136.6	414.0	438.3	439.9
Augusta .....	42.4	41.5	41.6	5.0	5.0	5.0	38.8	38.4	38.7
Columbus .....	20.2	20.1	20.6	3.4	3.7	3.8	21.4	21.5	21.2
Macon-Warner Robins .....	18.3	18.6	18.8	4.9	4.8	4.8	29.5	30.3	30.0
Savannah .....	16.8	17.2	17.0	10.1	10.8	11.0	28.3	28.9	29.0
<b>Hawaii</b> .....	19.4	18.7	18.3	43.6	41.0	41.4	133.7	132.2	131.5
Honolulu .....	14.2	13.5	13.4	35.8	33.6	33.9	100.4	99.7	99.1
<b>Idaho</b> .....	67.5	69.8	70.5	21.2	20.7	21.0	108.1	110.0	111.1
Boise City .....	18.4	20.5	20.5	6.2	6.2	6.1	29.9	29.9	29.9
<b>Illinois</b> .....	931.2	925.9	925.7	303.2	299.4	303.9	1,227.4	1,255.4	1,253.6
Aurora-Elgin .....	38.3	39.0	39.1	3.6	3.5	3.5	38.1	39.2	38.7
Bloomington-Normal .....	7.0	7.4	7.3	3.0	3.0	3.0	16.3	16.0	16.3
Champaign-Urbana-Rantoul .....	10.1	10.1	10.0	2.3	2.4	2.5	20.0	19.9	20.4
Chicago .....	510.0	514.2	515.6	199.4	199.8	201.6	723.5	743.9	740.9
Davenport-Rock Island-Moline .....	26.7	26.8	26.8	7.6	7.8	8.0	49.8	49.8	49.4
Decatur .....	14.3	13.6	13.4	4.8	4.8	4.8	12.0	12.1	12.2
Joliet .....	21.3	21.5	21.3	9.4	9.2	9.5	26.7	27.2	27.0
Kankakee .....	6.2	6.4	6.3	1.5	1.5	1.6	9.5	9.5	9.5
Lake County .....	51.4	52.2	51.9	7.8	7.9	7.9	63.4	64.2	63.7
Peoria .....	32.2	31.7	31.8	7.8	7.7	7.8	35.9	36.5	36.5
Rockford .....	42.4	40.6	40.6	4.7	4.8	5.0	30.7	31.0	30.8
Springfield .....	4.0	4.0	4.0	5.0	4.9	5.1	25.0	26.4	25.1
<b>Indiana</b> .....	633.7	635.1	636.5	131.4	130.5	130.9	602.0	603.9	603.7
Anderson .....	15.0	13.3	13.5	1.2	1.3	1.4	11.5	11.3	11.3
Bloomington .....	9.1	9.0	9.0	1.6	1.7	1.7	13.1	13.0	13.7
Elkhart-Goshen .....	52.2	54.2	53.9	2.6	2.6	2.5	19.0	19.9	19.6
Evansville .....	31.9	32.0	32.2	6.6	6.7	6.7	35.4	34.8	35.0
Fort Wayne .....	51.9	52.3	52.7	13.7	14.0	14.3	49.1	48.1	48.1
Gary-Hammond .....	53.6	52.7	52.4	17.8	17.5	17.5	59.0	58.9	58.7
Indianapolis .....	109.2	110.9	111.5	41.3	41.1	41.0	175.1	181.0	180.4
Kokomo .....	18.9	19.1	19.3	1.4	1.3	1.3	10.2	10.7	10.6
Lafayette-West Lafayette .....	14.9	15.0	15.0	2.1	2.3	2.3	14.3	14.1	14.7
Muncie .....	10.9	10.6	10.6	4.3	4.1	4.2	12.1	12.5	12.5
South Bend-Mishawaka .....	20.6	21.0	21.3	5.5	5.5	5.4	29.8	30.4	30.4
Terre Haute .....	11.3	11.7	11.7	2.5	2.4	2.4	16.8	17.2	17.0
<b>Iowa</b> .....	232.7	233.3	233.1	54.7	54.3	53.9	320.3	323.4	322.5
Cedar Rapids .....	20.6	20.6	20.6	5.4	5.4	5.3	22.6	23.0	22.8
Des Moines .....	24.8	25.0	25.0	11.9	12.3	12.3	62.9	64.3	63.9
Dubuque .....	12.6	12.8	12.7	1.8	1.8	1.8	10.7	11.2	11.0
Iowa City .....	4.4	4.4	4.5	1.6	1.6	1.6	11.2	10.8	11.0
Sioux City .....	11.5	11.7	11.7	3.5	3.5	3.5	14.4	14.2	14.0
Waterloo-Cedar Falls .....	16.3	15.8	15.7	1.9	1.9	1.9	17.6	17.7	17.8
<b>Kansas</b> .....	181.0	180.2	179.1	64.6	65.4	65.9	272.1	278.5	278.1
Lawrence .....	4.8	4.7	4.7	.9	1.1	1.1	9.3	9.1	9.7
Topeka .....	8.9	9.2	9.1	6.0	6.5	6.4	20.5	20.8	20.7
Wichita .....	59.6	56.6	56.1	11.7	11.6	11.6	56.8	55.2	55.4
<b>Kentucky</b> .....	289.8	292.9	291.8	82.7	83.2	83.6	357.4	362.8	362.5
Lexington-Fayette .....	32.8	33.9	33.9	8.7	8.6	8.7	47.2	48.1	49.0
Louisville .....	88.8	89.2	89.5	33.2	33.8	33.8	120.2	121.9	121.9
Owensboro .....	6.5	6.3	6.3	2.0	2.0	2.0	9.5	9.6	9.7
<b>Louisiana</b> .....	187.2	185.4	186.2	105.5	104.6	104.5	379.9	380.6	380.4
Alexandria .....	3.3	3.3	3.4	2.3	2.5	2.6	10.4	10.6	10.6
Baton Rouge .....	23.6	23.3	23.2	11.6	11.8	11.7	53.9	54.7	54.4
Houma-Thibodaux .....	4.8	4.7	4.9	5.5	5.7	5.6	14.7	15.0	14.6
Lafayette .....	9.6	9.5	9.6	6.0	6.1	6.0	26.5	26.3	26.5
Lake Charles .....	10.8	10.9	10.9	4.5	4.8	4.7	16.1	16.3	16.6
Monroe .....	8.1	7.8	8.0	2.9	3.0	3.0	15.1	15.1	15.1
New Orleans .....	44.6	42.8	42.6	40.4	39.5	39.7	137.2	136.6	136.1
Shreveport .....	17.0	17.2	17.3	8.0	7.9	7.8	33.0	34.4	34.4

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	Finance, insurance, and real estate			Services			Government		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Georgia</b> .....	163.0	165.5	164.9	685.2	720.3	723.0	529.4	520.9	533.5
Albany .....	2.0	2.0	2.0	11.1	11.7	11.5	11.7	11.3	11.7
Athens .....	2.1	2.1	2.1	11.2	11.1	11.3	17.8	19.2	18.7
Atlanta .....	105.7	106.7	105.7	404.3	430.8	432.8	217.7	217.8	221.4
Augusta .....	6.2	6.4	6.4	40.3	40.4	40.3	36.3	34.4	36.4
Columbus .....	6.7	7.2	7.1	21.8	22.2	22.0	19.7	19.5	19.8
Macon-Warner Robins .....	7.6	8.2	8.2	27.1	26.8	26.9	34.8	33.8	34.4
Savannah .....	4.3	4.2	4.2	32.5	34.2	34.5	18.8	18.4	18.8
<b>Hawaii</b> .....	37.6	38.2	38.0	161.2	159.3	158.2	102.0	106.9	102.4
Honolulu .....	31.0	31.4	31.3	117.7	116.9	116.4	82.4	86.0	82.2
<b>Idaho</b> .....	21.9	22.5	22.5	92.9	95.3	95.3	88.7	83.6	89.2
Boise City .....	9.0	9.2	9.3	27.7	30.9	31.0	20.9	20.7	21.5
<b>Illinois</b> .....	376.6	383.1	381.6	1,399.2	1,442.5	1,434.5	758.1	713.4	753.2
Aurora-Elgin .....	9.6	9.5	9.5	39.4	41.0	40.6	17.1	16.4	17.5
Bloomington-Normal .....	12.1	12.3	12.1	16.9	17.3	17.0	13.1	10.9	13.6
Champaign-Urbana-Rantoul .....	3.2	3.3	3.2	19.1	19.3	19.2	35.6	26.3	32.5
Chicago .....	263.7	269.5	268.1	904.5	931.3	930.1	376.3	365.5	376.4
Davenport-Rock Island-Moline .....	8.1	7.9	7.9	40.2	42.0	41.3	25.8	23.9	25.7
Decatur .....	2.3	2.5	2.4	12.7	12.8	12.8	5.9	5.7	5.8
Joliet .....	4.4	4.5	4.5	29.1	29.8	29.4	18.1	16.7	17.9
Kankakee .....	1.7	1.7	1.7	11.4	10.9	10.5	7.4	6.8	6.9
Lake County .....	15.3	15.4	15.4	60.3	62.2	59.6	31.1	28.1	31.2
Peoria .....	8.6	8.6	8.4	43.4	44.8	43.9	16.8	16.3	17.4
Rockford .....	6.4	6.3	6.3	35.5	36.4	36.2	13.1	12.2	13.2
Springfield .....	8.0	8.1	8.1	30.2	33.4	30.5	33.0	33.1	32.7
<b>Indiana</b> .....	127.9	132.9	131.4	560.5	569.6	573.0	391.2	362.1	399.1
Anderson .....	1.5	1.6	1.8	11.9	12.0	12.2	7.8	7.5	8.0
Bloomington .....	2.1	2.0	1.9	10.8	10.5	10.5	19.2	14.6	17.3
Elkhart-Goshen .....	2.6	2.6	2.6	15.7	16.1	16.2	6.6	6.1	6.5
Evansville .....	5.8	6.0	5.9	36.8	37.2	36.9	14.4	13.9	14.9
Fort Wayne .....	11.9	11.8	11.6	48.0	50.0	50.8	20.1	18.3	20.2
Gary-Hammond .....	8.8	9.3	9.2	57.9	55.9	56.3	34.9	31.6	35.0
Indianapolis .....	53.7	55.6	54.8	162.9	165.7	165.4	104.3	98.6	102.9
Kokomo .....	1.4	1.7	1.6	8.0	8.4	8.5	6.6	6.3	7.3
Lafayette-West Lafayette .....	3.1	3.3	3.3	13.7	14.2	14.1	23.0	18.0	23.2
Muncie .....	1.8	1.8	1.9	12.5	13.4	13.3	12.9	9.5	13.1
South Bend-Mishawaka .....	6.8	6.7	6.7	38.4	35.0	38.2	12.3	12.5	12.5
Terre Haute .....	2.2	2.3	2.2	13.9	13.0	13.2	11.3	8.3	10.7
<b>Iowa</b> .....	72.6	74.6	73.8	310.6	302.2	309.3	218.2	205.9	220.6
Cedar Rapids .....	5.1	5.2	5.1	25.7	25.4	24.9	11.5	10.6	11.7
Des Moines .....	33.3	34.5	34.3	67.3	65.8	65.8	32.0	31.0	32.1
Dubuque .....	1.6	1.8	1.7	14.9	13.8	14.8	3.8	3.4	3.2
Iowa City .....	1.6	1.7	1.6	10.2	10.3	10.3	25.7	26.1	26.2
Sioux City .....	2.5	2.6	2.6	16.5	16.0	16.3	6.7	6.3	6.7
Waterloo-Cedar Falls .....	4.0	4.0	4.0	17.9	17.5	18.3	13.2	11.2	13.2
<b>Kansas</b> .....	57.8	58.6	58.1	261.6	267.8	269.2	227.0	210.2	234.8
Lawrence .....	1.8	1.7	1.7	8.6	8.2	8.5	12.7	11.8	13.5
Topeka .....	6.3	6.3	6.3	23.8	24.1	23.9	22.5	21.9	23.0
Wichita .....	11.1	11.5	11.5	64.8	64.1	64.3	29.9	26.8	29.8
<b>Kentucky</b> .....	63.1	63.5	62.8	354.0	360.4	358.8	277.6	265.7	281.3
Lexington-Fayette .....	9.2	9.4	9.4	52.7	52.4	53.2	47.2	47.4	49.2
Louisville .....	27.8	28.5	28.1	134.4	138.6	137.2	67.0	66.0	67.6
Owensboro .....	1.3	1.4	1.4	9.6	9.8	9.8	6.3	6.3	6.6
<b>Louisiana</b> .....	77.4	76.9	76.8	399.4	397.5	400.8	340.5	339.9	344.8
Alexandria .....	2.1	2.1	2.1	13.5	13.6	13.5	12.8	12.6	13.0
Baton Rouge .....	14.3	14.3	14.4	58.8	59.7	59.7	57.1	55.0	57.4
Houma-Thibodaux .....	2.2	2.2	2.2	11.0	11.5	11.3	11.6	11.2	11.9
Lafayette .....	3.9	4.0	4.0	25.1	25.9	25.7	13.8	13.7	13.7
Lake Charles .....	2.7	2.6	2.6	15.8	15.3	15.4	12.1	12.4	12.5
Monroe .....	4.2	4.3	4.3	14.8	15.0	15.0	12.5	11.1	11.8
New Orleans .....	29.0	28.9	29.0	156.8	155.0	158.9	93.0	94.6	95.5
Shreveport .....	6.3	6.6	6.6	37.1	37.3	37.1	28.0	27.9	28.2

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	Total			Mining			Construction		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Maine</b> .....	528.0	521.1	526.3	0.1	0.1	0.1	24.0	24.3	24.2
Lewiston-Auburn .....	37.5	37.5	38.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.6	1.6
Portland .....	121.8	124.1	125.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.8	5.9
<b>Maryland</b> .....	2,087.1	2,068.3	2,078.4	1.2	1.2	1.2	121.4	118.0	115.9
Baltimore MSA .....	1,091.7	1,077.7	1,076.3	.2	.2	.2	57.4	55.6	54.7
Baltimore City .....	421.2	417.1	415.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.9	12.1	12.0
Suburban Maryland-D.C. ....	755.6	746.7	757.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	51.5	49.9	49.1
<b>Massachusetts</b> .....	2,779.6	2,756.7	2,771.4	1.2	1.2	1.2	78.2	83.1	83.2
Boston .....	1,542.7	1,532.8	1,538.9	.4	.3	.3	39.4	41.9	42.3
Brockton .....	63.5	62.2	62.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	1.9	1.8
Fall River .....	49.4	48.3	48.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.2	1.1
Fitchburg-Leominster .....	36.7	35.6	36.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.0	.9	.9
Lawrence-Haverhill .....	151.4	147.9	148.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.4	5.4	5.3
Lowell .....	92.4	89.1	89.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.6	3.6
New Bedford .....	59.6	59.0	59.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.8	1.8
Pittsfield .....	37.9	39.4	39.1	.1	.1	.1	1.5	1.4	1.4
Springfield .....	214.9	208.0	211.6	.2	.2	.2	5.8	5.6	5.6
Worcester .....	183.2	180.2	182.6	.2	.2	.2	5.8	5.4	5.4
<b>Michigan</b> .....	3,949.2	3,937.8	3,994.3	8.7	6.9	8.8	140.5	149.9	147.4
Ann Arbor .....	174.3	168.0	174.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	4.3	4.3
Battle Creek .....	61.0	60.5	61.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.2	2.2
Benton Harbor .....	67.0	67.4	67.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	2.0	2.0
Detroit .....	1,883.2	1,897.8	1,910.4	.7	1.0	1.0	60.3	63.7	63.0
Flint .....	164.7	161.6	164.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.2	6.0	5.8
Grand Rapids .....	366.8	368.8	377.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.4	17.2	16.6
Jackson .....	54.4	53.9	55.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.7	1.7	1.7
Kalamazoo .....	114.8	113.4	117.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.3	4.5	4.4
Lansing-East Lansing .....	215.6	201.3	215.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.7	6.9	6.6
Muskegon .....	57.7	57.0	57.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.3	2.2
Saginaw-Bay City-Midland .....	166.8	165.8	167.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.0	9.1	9.0
<b>Minnesota</b> .....	2,214.4	2,238.0	2,259.5	8.3	7.2	7.6	87.9	90.1	88.6
Duluth .....	102.6	99.8	100.4	5.3	4.8	5.5	4.2	3.8	3.7
Minneapolis-St. Paul .....	1,411.0	1,427.6	1,433.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	52.0	52.1	51.2
Rochester .....	69.3	69.5	69.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.5	2.5
St. Cloud .....	85.9	85.8	88.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.4	4.4	4.4
<b>Mississippi</b> .....	976.3	976.0	993.8	5.0	5.1	5.0	38.2	39.1	40.6
Jackson .....	191.1	191.7	194.5	.5	.5	.5	7.3	7.7	7.6
<b>Missouri</b> .....	2,345.9	2,334.8	2,367.2	4.9	4.4	4.5	96.0	101.0	100.4
Kansas City .....	789.3	789.1	797.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	33.0	34.8	34.7
St. Louis .....	1,164.8	1,152.8	1,169.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	51.6	50.8	51.3
Springfield .....	127.7	127.6	131.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.3	5.1
<b>Montana</b> .....	325.4	329.1	331.9	5.9	5.7	5.5	15.9	16.3	16.3
<b>Nebraska</b> .....	752.3	747.3	756.3	1.6	1.6	1.6	29.8	31.7	31.0
Lincoln .....	126.5	125.6	127.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	5.2	5.1
Omaha .....	338.1	333.8	335.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.0	13.9	13.8
<b>Nevada</b> .....	655.7	664.7	670.0	12.9	12.7	12.5	41.6	47.9	47.7
Las Vegas .....	400.9	408.3	412.0	.3	.3	.3	28.5	33.8	33.6
Reno .....	147.7	148.5	150.4	.9	.9	.9	7.7	7.9	7.9
<b>New Hampshire</b> .....	493.9	491.6	499.9	.5	.5	.5	18.2	19.3	18.8
Manchester .....	75.7	76.7	76.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.5	3.3
Nashua .....	83.5	83.2	85.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.6	2.5
Portsmouth-Dover-Rochester .....	107.9	106.8	110.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.0	2.9
<b>New Jersey</b> .....	3,432.1	3,410.7	3,405.8	1.9	1.9	1.9	112.4	101.7	101.7
Atlantic City .....	171.4	182.6	176.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.5	5.4	5.0
Bergen-Passaic .....	595.9	588.0	590.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.8	17.4	17.2
Camden .....	420.7	421.1	421.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.3	16.4	16.4
Jersey City .....	225.8	221.6	223.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.7	3.6
Middlesex-Somerset-Hunterdon .....	524.6	520.6	522.0	.6	.6	.6	15.9	14.0	13.7
Monmouth-Ocean .....	321.9	328.2	320.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.8	12.0	12.5
Newark .....	869.7	862.9	864.0	.5	.5	.5	27.7	26.9	27.2
Trenton .....	188.9	183.6	184.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	3.5	3.6
Vineland-Millville-Bridgeton .....	57.2	55.2	55.8	.3	.3	.3	2.0	1.7	1.8

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Maine</b> .....	93.5	94.0	92.8	22.1	21.4	21.2	133.6	135.7	133.5
Lewiston-Auburn .....	8.1	8.3	8.3	1.3	1.3	1.3	9.8	10.1	10.1
Portland .....	13.0	13.0	13.4	5.8	5.7	5.6	36.5	38.7	38.7
<b>Maryland</b> .....	183.5	179.2	178.5	100.2	97.2	98.9	508.3	505.9	502.4
Baltimore MSA .....	112.3	108.5	107.9	55.0	52.8	53.7	255.2	250.4	250.3
Baltimore City .....	39.1	38.1	38.2	21.9	21.2	21.4	74.0	70.8	70.7
Suburban Maryland-D.C. ....	32.8	33.2	33.0	31.0	31.0	31.2	187.2	187.0	186.7
<b>Massachusetts</b> .....	461.1	439.3	440.9	121.7	116.1	119.9	643.3	643.4	640.5
Boston .....	206.2	197.9	198.2	72.7	69.6	70.7	331.3	329.1	329.0
Brockton .....	8.4	8.0	8.2	4.2	4.1	4.2	20.4	19.7	19.6
Fall River .....	13.5	13.5	13.8	1.9	1.8	1.9	12.2	11.6	11.6
Fitchburg-Leominster .....	10.4	10.2	10.4	1.4	1.2	1.4	9.4	9.0	9.1
Lawrence-Haverhill .....	41.3	39.2	39.4	5.6	5.2	5.4	36.3	36.4	36.1
Lowell .....	28.1	25.9	25.6	4.7	4.3	4.5	19.7	19.4	19.4
New Bedford .....	14.9	14.9	15.2	2.3	2.1	2.2	15.3	14.5	14.4
Pittsfield .....	7.6	7.5	7.5	1.2	1.2	1.2	9.0	9.1	8.9
Springfield .....	43.2	40.1	40.3	8.0	7.1	7.6	48.5	48.1	47.9
Worcester .....	35.8	34.4	34.7	8.8	8.2	8.4	42.3	41.6	41.6
<b>Michigan</b> .....	907.7	894.3	902.8	156.5	156.6	156.4	933.3	947.3	940.8
Ann Arbor .....	37.1	34.0	34.3	4.2	4.0	3.8	31.5	30.5	31.1
Battle Creek .....	16.3	16.5	16.6	2.0	1.9	1.9	13.0	13.2	13.4
Benton Harbor .....	20.2	20.0	19.7	2.9	3.1	3.0	14.2	14.9	14.6
Detroit .....	423.0	429.6	426.6	86.8	88.4	89.0	452.4	455.2	453.6
Flint .....	46.2	44.4	45.2	4.8	4.5	4.6	40.0	39.8	39.5
Grand Rapids .....	101.4	101.7	102.3	13.3	13.7	13.6	95.4	97.1	97.3
Jackson .....	12.2	12.0	12.2	3.5	3.6	3.6	13.5	13.7	13.8
Kalamazoo .....	28.0	27.6	27.7	3.1	3.1	3.1	26.0	26.0	26.5
Lansing-East Lansing .....	30.0	22.2	28.3	6.5	6.6	6.6	47.7	47.4	48.1
Muskegon .....	15.2	14.5	14.7	2.4	2.2	2.2	13.8	13.8	13.6
Saginaw-Bay City-Midland .....	42.8	41.8	41.5	6.4	6.4	6.5	41.8	41.8	41.6
<b>Minnesota</b> .....	405.2	404.8	405.2	110.3	108.3	109.3	537.2	543.0	542.1
Duluth .....	8.7	8.4	8.5	6.1	5.9	5.7	26.5	26.0	26.1
Minneapolis-St. Paul .....	261.0	259.8	258.4	77.6	74.0	75.5	338.2	340.2	340.2
Rochester .....	12.3	11.9	12.0	2.2	2.2	2.2	13.9	14.0	14.0
St. Cloud .....	15.6	15.6	15.6	4.2	4.3	4.3	25.3	26.4	26.5
<b>Mississippi</b> .....	252.7	250.7	251.6	45.2	44.9	45.0	202.1	204.2	204.4
Jackson .....	22.2	21.1	20.9	13.3	13.4	13.5	44.7	45.6	46.4
<b>Missouri</b> .....	411.2	402.3	403.1	152.4	152.6	155.0	561.0	564.1	562.3
Kansas City .....	104.6	101.8	102.4	64.8	64.4	65.5	198.1	198.7	198.7
St. Louis .....	200.9	193.5	192.9	78.0	77.6	79.0	276.6	280.6	278.9
Springfield .....	20.0	20.1	20.1	7.5	7.8	7.9	36.3	36.9	37.3
<b>Montana</b> .....	23.2	23.4	23.3	20.4	20.2	20.3	87.5	91.1	89.4
<b>Nebraska</b> .....	100.8	103.0	103.6	47.1	46.8	46.5	188.3	188.2	187.8
Lincoln .....	14.9	14.9	15.0	7.4	7.0	7.0	26.9	26.9	27.3
Omaha .....	34.7	34.9	35.0	23.7	23.6	23.5	83.5	84.1	83.7
<b>Nevada</b> .....	26.4	27.5	27.5	33.3	33.6	33.6	132.0	134.2	134.8
Las Vegas .....	11.1	11.6	11.6	20.2	20.3	20.3	82.0	82.8	83.4
Reno .....	9.1	9.6	9.6	9.5	9.8	9.8	33.8	34.0	34.1
<b>New Hampshire</b> .....	98.1	96.9	97.1	17.3	16.4	17.4	126.2	127.8	125.1
Manchester .....	9.7	9.7	9.8	4.3	4.6	4.5	18.7	18.5	18.6
Nashua .....	28.3	28.3	28.0	2.9	3.3	3.5	20.2	20.5	20.5
Portsmouth-Dover-Rochester .....	19.5	19.0	19.3	3.0	3.1	3.2	28.6	29.9	29.4
<b>New Jersey</b> .....	525.4	507.4	513.5	230.6	222.5	228.1	809.1	804.1	795.5
Atlantic City .....	6.8	7.0	7.0	7.1	7.0	7.1	37.5	44.6	40.2
Bergen-Passaic .....	117.7	113.3	113.7	27.6	26.5	27.6	167.8	160.0	161.1
Camden .....	58.6	58.5	58.8	19.0	17.8	18.6	110.6	109.3	108.9
Jersey City .....	33.1	30.8	31.5	27.5	26.2	26.9	57.8	56.5	57.7
Middlesex-Somerset-Hunterdon .....	94.0	91.3	93.5	43.9	42.4	42.3	126.1	121.2	121.6
Monmouth-Ocean .....	21.3	19.9	19.8	15.4	15.3	15.7	87.1	90.9	87.4
Newark .....	140.4	140.7	142.5	76.5	75.4	76.6	172.2	164.9	165.2
Trenton .....	25.0	24.0	23.4	7.2	6.9	6.9	28.6	26.6	26.4
Vineland-Millville-Bridgeton .....	14.7	14.2	14.4	2.3	2.3	2.4	10.5	9.9	9.8

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Maine</b> .....	25.0	24.8	24.5	134.4	138.3	136.8	95.3	82.5	93.2
Lewiston-Auburn .....	1.9	1.9	2.0	10.3	10.6	11.1	4.4	3.7	4.1
Portland .....	11.9	11.7	11.7	33.1	34.7	34.3	18.0	14.5	15.5
<b>Maryland</b> .....	128.8	130.0	129.1	637.8	642.6	640.4	405.9	394.2	412.0
Baltimore MSA .....	75.3	73.6	73.3	334.7	334.6	333.6	201.8	202.0	202.8
Baltimore City .....	39.2	38.5	38.4	144.2	144.5	144.7	89.9	91.9	89.6
Suburban Maryland-D.C. ....	45.8	46.1	46.2	242.9	248.0	246.7	164.4	153.5	164.6
<b>Massachusetts</b> .....	195.0	193.5	191.5	912.7	925.6	927.2	366.4	354.5	367.0
Boston .....	134.5	134.3	132.4	578.5	585.7	587.2	179.7	174.0	178.8
Brockton .....	2.7	2.6	2.6	15.1	15.3	15.3	10.9	10.6	11.0
Fall River .....	3.0	3.1	3.0	11.3	11.5	11.5	6.2	5.6	6.0
Fitchburg-Leominster .....	1.4	1.5	1.4	9.0	8.9	8.9	4.1	3.9	4.3
Lawrence-Haverhill .....	5.2	5.3	5.2	38.4	38.1	38.4	19.2	18.3	18.9
Lowell .....	2.6	2.7	2.7	21.2	21.6	21.6	12.5	11.6	12.4
New Bedford .....	2.1	2.1	2.1	14.0	14.4	14.4	9.0	9.2	9.4
Pittsfield .....	1.7	1.8	1.8	12.4	13.7	13.4	4.4	4.6	4.8
Springfield .....	14.2	13.7	13.5	60.0	61.7	62.7	35.0	31.5	33.8
Worcester .....	13.7	14.0	14.0	50.0	50.2	51.3	26.8	26.2	27.0
<b>Michigan</b> .....	188.9	191.3	189.1	986.1	1,018.2	1,021.0	627.4	573.3	628.0
Ann Arbor .....	5.0	5.2	5.0	39.8	40.7	40.7	52.8	49.4	54.9
Battle Creek .....	3.1	3.1	3.1	13.0	12.6	13.0	11.5	10.9	11.2
Benton Harbor .....	2.7	2.8	2.6	15.8	15.8	16.0	9.4	9.1	9.1
Detroit .....	107.9	107.0	105.5	529.9	538.7	539.0	222.2	214.2	232.6
Flint .....	5.9	6.0	6.0	38.6	41.5	40.7	24.2	19.3	23.0
Grand Rapids .....	16.6	17.4	17.2	87.8	89.4	91.2	35.9	32.3	38.9
Jackson .....	1.8	1.6	1.6	11.7	12.0	12.2	10.1	9.3	10.1
Kalamazoo .....	6.3	6.4	6.5	30.1	30.7	30.7	17.0	15.2	18.4
Lansing-East Lansing .....	12.3	12.8	12.7	44.8	46.8	47.4	67.5	58.6	66.0
Muskegon .....	1.8	1.8	1.8	12.9	13.5	13.4	9.4	8.9	9.4
Saginaw-Bay City-Midland .....	6.1	6.3	6.2	40.1	41.0	41.4	21.7	19.4	21.2
<b>Minnesota</b> .....	130.9	137.0	136.8	604.0	630.0	632.3	330.6	319.6	337.6
Duluth .....	3.5	3.5	3.4	27.3	27.4	27.3	21.0	20.0	20.2
Minneapolis-St. Paul .....	102.2	106.8	106.7	398.3	413.2	414.7	183.2	181.1	186.6
Rochester .....	1.8	1.9	1.9	29.8	30.7	30.3	6.7	6.3	6.8
St. Cloud .....	2.7	2.9	2.8	20.2	20.1	20.9	13.5	12.1	13.9
<b>Mississippi</b> .....	38.2	39.8	39.5	181.4	184.3	189.0	213.5	207.9	218.7
Jackson .....	14.2	14.7	14.6	48.5	48.7	49.7	40.4	40.0	41.3
<b>Missouri</b> .....	136.8	139.7	138.7	613.2	622.9	626.2	370.4	347.8	377.0
Kansas City .....	59.7	61.7	61.6	205.2	209.6	208.7	123.9	118.1	125.5
St. Louis .....	72.6	74.0	73.3	339.7	344.3	346.5	145.4	132.0	147.4
Springfield .....	5.6	6.0	6.0	37.3	37.4	38.2	18.1	14.1	17.0
<b>Montana</b> .....	14.5	14.7	14.7	83.8	88.8	87.7	74.2	68.9	74.7
<b>Nebraska</b> .....	48.9	49.2	48.8	188.9	185.4	188.3	146.9	141.4	148.7
Lincoln .....	8.6	8.5	8.6	29.9	29.2	29.4	34.0	33.9	35.4
Omaha .....	28.7	28.4	28.2	105.3	102.6	103.3	48.2	46.3	47.5
<b>Nevada</b> .....	29.5	31.4	31.4	289.2	292.6	292.7	90.8	84.8	89.8
Las Vegas .....	19.6	21.2	21.3	191.2	193.5	194.5	48.0	44.6	47.0
Reno .....	7.1	7.3	7.3	59.3	60.6	60.3	20.3	18.4	20.5
<b>New Hampshire</b> .....	29.5	29.5	29.1	132.2	136.3	135.4	71.9	64.9	76.5
Manchester .....	8.5	7.8	7.6	22.8	24.3	23.7	8.7	8.3	8.8
Nashua .....	3.1	3.3	3.3	19.2	18.9	20.1	7.3	6.3	7.4
Portsmouth-Dover-Rochester .....	6.8	6.8	6.8	23.8	24.3	23.8	23.2	20.7	25.0
<b>New Jersey</b> .....	225.8	230.6	227.8	976.9	995.2	984.8	550.0	547.3	552.5
Atlantic City .....	6.1	6.0	5.8	80.0	84.8	82.1	28.4	27.8	29.0
Bergen-Passaic .....	33.4	34.5	34.2	163.1	167.0	166.9	67.5	69.3	69.7
Camden .....	22.8	22.8	22.4	117.2	122.8	121.4	74.2	73.5	75.2
Jersey City .....	18.5	20.5	20.5	45.8	43.3	43.8	39.1	40.6	39.2
Middlesex-Somerset-Hunterdon .....	42.2	44.6	44.0	128.7	133.3	131.4	73.2	73.2	74.9
Monmouth-Ocean .....	18.5	18.8	18.4	102.9	107.7	103.5	62.9	63.6	63.0
Newark .....	67.4	66.7	66.1	255.1	257.6	257.0	129.9	130.2	128.9
Trenton .....	10.6	10.7	10.4	59.9	58.9	59.6	53.7	53.0	53.7
Vineland-Millville-Bridgeton .....	3.9	3.7	3.7	11.0	11.1	11.1	12.5	12.0	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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>New Mexico</b> .....	605.4	618.3	627.8	14.7	15.7	15.8	31.4	35.5	35.6
Albuquerque .....	255.2	261.2	267.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.4	14.0	14.3
Las Cruces .....	44.9	43.0	45.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.7	2.6
Santa Fe .....	64.3	68.2	67.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.4	3.4
<b>New York</b> .....	7,717.6	7,675.4	7,673.5	5.4	5.4	5.3	253.8	256.0	252.9
Albany-Schenectady-Troy .....	425.0	426.9	425.1	.4	.5	.5	18.0	17.1	16.7
Binghamton .....	113.9	111.3	111.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	5.0	5.0
Buffalo .....	451.0	446.6	450.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.1	17.9	17.8
Elmira .....	39.5	39.6	40.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.3	1.4	1.4
Glens Falls .....	48.1	51.4	47.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.0	1.9	1.8
Nassau-Suffolk .....	1,045.1	1,032.2	1,038.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	40.1	39.5	39.7
New York PMSA .....	3,754.9	3,728.1	3,728.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	107.6	104.8	105.4
New York City .....	3,264.9	3,243.5	3,245.7	.4	.4	.4	86.0	84.2	84.9
Niagara Falls .....	81.3	81.4	81.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.6	3.4	3.3
Orange County .....	107.5	106.7	107.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.9	4.0
Poughkeepsie .....	107.2	98.5	100.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.9	4.8	4.7
Rochester .....	482.4	479.9	483.2	.7	.7	.7	16.9	17.7	17.4
Rockland County .....	95.6	94.7	94.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.4	3.3
Syracuse .....	307.0	301.9	306.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	14.2	15.2	14.8
Utica-Rome .....	124.7	125.5	125.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.0	3.9	3.9
Westchester County .....	376.1	371.1	369.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.6	15.8	15.8
<b>North Carolina</b> .....	3,165.8	3,216.1	3,246.0	3.4	3.5	3.5	148.7	153.5	152.7
Asheville .....	91.2	92.7	93.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	4.4	4.4
Charlotte-Gastonia-Rock Hill .....	625.7	633.2	636.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	32.3	32.4	32.2
Greensboro-Winston-Salem-High Point .....	502.7	503.5	508.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	22.1	22.7	22.7
Raleigh-Durham .....	459.3	468.1	471.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.2	20.3	20.1
<b>North Dakota</b> .....	280.9	283.1	288.6	3.9	4.1	4.0	13.0	14.1	14.1
Bismarck .....	43.3	43.4	43.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.4	2.6	2.6
Fargo-Moorhead .....	83.3	82.5	84.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	5.5	5.3
Grand Forks .....	32.7	32.3	34.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.9	1.8
<b>Ohio</b> .....	4,888.4	4,864.3	4,905.4	14.8	13.8	13.6	200.1	202.5	200.7
Akron .....	291.1	290.2	296.4	.5	.5	.5	10.8	11.1	11.0
Canton .....	167.7	168.6	169.1	.7	.7	.7	7.4	7.6	7.6
Cincinnati .....	752.2	760.3	765.5	.4	.4	.4	37.0	38.7	38.5
Cleveland .....	923.2	920.2	923.9	.7	.7	.7	33.9	34.7	34.2
Columbus .....	731.9	733.6	737.3	.7	.7	.7	30.3	30.6	30.4
Dayton-Springfield .....	445.1	443.4	448.8	.6	.6	.6	15.3	16.1	15.7
Toledo .....	287.7	284.4	290.1	.2	.2	.2	11.9	11.9	11.6
Youngstown-Warren .....	198.3	195.3	197.4	.4	.4	.4	8.2	8.4	8.5
<b>Oklahoma</b> .....	1,206.9	1,215.6	1,221.7	34.8	35.8	35.1	39.3	40.1	39.4
Enid .....	22.0	22.6	22.4	.9	.9	.9	.8	.7	.7
Lawton .....	36.5	35.2	35.9	.1	.1	.1	1.0	1.0	1.0
Oklahoma City .....	430.9	430.5	437.9	8.4	8.6	8.2	14.6	14.4	14.0
Tulsa .....	324.4	325.5	324.1	9.9	9.8	9.7	11.4	11.9	11.4
<b>Oregon</b> .....	1,289.1	1,296.8	1,313.7	1.6	1.5	1.5	53.2	56.6	56.7
Eugene-Springfield .....	117.3	116.8	118.4	.2	.2	.2	4.9	5.1	5.1
Medford .....	57.7	57.2	58.9	.1	.1	.1	2.0	2.3	2.4
Portland .....	654.0	658.0	661.0	.6	.5	.5	28.0	28.9	28.9
Salem .....	116.8	116.1	120.0	.1	.1	.1	5.3	5.7	5.6
<b>Pennsylvania</b> .....	5,084.4	5,068.4	5,086.1	23.9	20.8	20.7	211.0	210.4	207.6
Allentown-Bethlehem .....	280.7	281.7	287.0	.5	.4	.5	10.6	11.4	10.9
Altoona .....	54.2	55.3	55.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.6
Beaver County .....	51.8	50.9	51.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	2.4	2.3
Erie .....	123.2	123.7	126.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.0	5.6	5.4
Harrisburg-Lebanon-Carlisle .....	314.7	318.6	317.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	13.7	14.1	14.0
Johnstown .....	82.0	83.9	84.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.2	6.0	5.5
Lancaster .....	193.4	194.5	196.0	.4	.4	.4	11.0	11.1	11.0
Philadelphia PMSA .....	2,085.1	2,064.8	2,067.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	77.2	74.6	74.5
Philadelphia City .....	689.2	668.9	667.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.2	10.8	10.8
Pittsburgh .....	915.6	914.1	923.0	4.1	3.8	3.7	46.2	46.5	46.8

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>New Mexico</b> .....	41.2	41.7	42.7	29.0	27.8	28.9	143.7	149.0	148.3
Albuquerque .....	20.2	20.5	21.2	12.3	11.7	12.4	61.0	62.9	63.4
Las Cruces .....	3.1	2.7	2.9	1.6	1.4	1.6	9.8	9.7	9.8
Santa Fe .....	1.9	2.1	2.1	1.1	1.1	1.2	13.3	14.5	14.2
<b>New York</b> .....	1,020.5	976.0	977.4	405.0	388.2	395.1	1,562.4	1,555.8	1,551.7
Albany-Schenectady-Troy .....	45.3	45.2	44.8	16.7	16.1	16.2	84.9	88.2	87.6
Binghamton .....	29.6	28.1	27.8	4.4	4.5	4.4	24.3	24.4	24.3
Buffalo .....	70.8	89.2	69.1	21.2	20.7	21.4	113.1	111.4	111.7
Elmira .....	8.3	8.4	8.5	1.3	1.4	1.4	9.7	10.0	10.2
Glens Falls .....	9.5	9.7	9.6	1.6	1.7	1.6	11.2	12.3	11.2
Nassau-Suffolk .....	124.7	120.9	120.8	47.2	44.0	46.6	271.1	270.9	269.1
New York PMSA .....	363.6	351.9	353.7	232.5	222.8	225.3	648.9	636.0	639.4
New York City .....	299.5	290.5	292.3	206.8	198.1	200.0	542.3	531.8	534.9
Niagara Falls .....	20.4	19.7	19.9	4.7	4.4	4.6	19.6	20.2	20.2
Orange County .....	13.3	12.8	12.9	6.5	6.1	6.4	27.7	27.8	27.8
Poughkeepsie .....	22.1	15.5	15.5	3.9	3.8	3.8	20.2	19.9	19.9
Rochester .....	128.8	124.0	123.4	15.9	15.0	15.6	101.7	103.7	103.6
Rockland County .....	14.0	13.0	13.0	5.5	5.2	5.5	20.5	20.7	20.7
Syracuse .....	47.8	46.2	45.8	18.7	18.6	18.6	71.6	72.2	72.1
Utica-Rome .....	21.1	20.7	20.7	4.3	4.3	4.2	26.1	26.5	26.2
Westchester County .....	48.1	46.3	46.3	19.5	18.7	19.2	82.0	79.5	79.8
<b>North Carolina</b> .....	841.7	850.5	852.6	155.4	155.6	155.9	722.1	734.4	733.1
Asheville .....	20.2	20.6	20.7	4.5	4.6	4.6	21.7	22.1	21.9
Charlotte-Gastonia-Rock Hill .....	144.3	146.7	146.5	50.7	51.0	51.1	152.1	153.5	153.4
Greensboro-Winston-Salem-High Point .....	144.5	145.9	145.3	27.1	27.1	27.2	112.5	112.9	112.4
Raleigh-Durham .....	65.6	67.4	67.5	22.4	21.6	21.4	93.5	94.6	95.1
<b>North Dakota</b> .....	18.9	19.5	19.8	17.6	17.8	17.9	73.8	75.4	75.0
Bismarck .....	2.3	2.4	2.4	3.1	3.3	3.1	10.8	11.2	11.0
Fargo-Moorhead .....	6.0	5.9	6.2	4.7	4.7	4.8	24.2	24.8	25.0
Grand Forks .....	1.7	1.6	1.7	1.8	1.7	1.7	9.7	9.4	9.5
<b>Ohio</b> .....	1,057.7	1,041.2	1,047.3	214.5	210.7	209.8	1,167.6	1,175.8	1,171.4
Akron .....	62.3	63.2	63.4	13.3	13.4	13.4	70.3	70.0	70.5
Canton .....	42.9	43.0	42.8	5.7	5.7	5.7	41.9	42.4	42.3
Cincinnati .....	142.4	139.4	140.6	40.7	40.3	40.5	191.0	194.5	194.3
Cleveland .....	186.0	182.0	182.2	39.2	38.1	37.5	218.7	219.1	218.0
Columbus .....	101.8	100.5	101.3	31.8	31.2	31.1	184.8	186.7	186.1
Dayton-Springfield .....	94.4	93.6	93.6	17.8	18.1	18.1	102.0	102.9	102.9
Toledo .....	56.0	54.4	55.6	14.1	14.1	13.8	69.9	71.8	71.4
Youngstown-Warren .....	45.5	44.6	45.0	7.1	6.9	6.9	52.8	52.8	52.7
<b>Oklahoma</b> .....	159.0	164.2	163.9	69.5	68.9	68.5	285.0	292.6	290.4
Enid .....	1.4	1.5	1.5	2.1	2.2	2.2	6.0	6.3	6.2
Lawton .....	3.3	3.4	3.4	1.9	2.0	2.0	8.4	8.4	8.4
Oklahoma City .....	43.2	47.9	48.1	21.2	21.4	21.1	105.0	105.7	105.8
Tulsa .....	53.1	53.1	52.7	26.1	25.5	25.3	76.1	77.6	76.9
<b>Oregon</b> .....	213.5	216.8	215.9	66.1	64.7	64.7	327.6	329.3	330.3
Eugene-Springfield .....	18.8	18.8	18.9	4.6	4.3	4.4	30.2	30.1	30.1
Medford .....	8.9	8.6	8.6	2.8	3.0	3.1	17.6	16.8	17.7
Portland .....	102.7	103.9	102.6	39.0	38.1	38.0	168.4	170.7	189.8
Salem .....	17.8	18.6	19.2	3.5	3.6	3.7	25.4	25.4	25.8
<b>Pennsylvania</b> .....	951.5	930.6	929.2	265.6	258.8	266.0	1,154.2	1,168.0	1,160.9
Allentown-Bethlehem .....	69.8	69.0	70.0	14.0	13.7	14.3	60.7	61.2	61.4
Altoona .....	9.9	9.6	9.7	4.8	5.0	5.0	14.0	13.9	14.3
Beaver County .....	9.5	9.6	9.6	4.7	4.7	4.6	11.4	11.4	11.2
Erie .....	34.8	35.0	34.7	4.2	4.3	4.1	26.3	26.6	26.5
Harrisburg-Lebanon-Carlisle .....	47.1	47.4	47.5	20.0	19.8	19.9	68.8	70.0	69.0
Johnstown .....	12.9	12.2	12.3	5.2	5.1	5.7	18.6	20.4	20.5
Lancaster .....	55.3	55.4	55.4	7.5	7.4	7.5	49.3	49.8	49.4
Philadelphia PMSA .....	314.5	306.3	308.0	98.2	97.2	98.7	465.0	458.1	458.2
Philadelphia City .....	69.0	65.0	65.7	37.4	38.7	38.8	118.4	113.7	113.2
Pittsburgh .....	110.4	108.8	108.5	55.8	55.0	55.9	224.6	227.7	226.1

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>New Mexico</b> .....	26.9	27.6	27.5	161.1	169.0	168.0	157.4	152.0	161.0
Albuquerque .....	14.4	14.9	14.9	82.7	86.2	87.1	52.2	51.0	53.9
Las Cruces .....	1.7	1.8	1.8	8.4	9.0	9.6	17.9	15.7	17.6
Santa Fe .....	2.6	2.9	2.9	18.2	19.4	19.1	24.4	24.8	25.0
<b>New York</b> .....	736.2	736.2	729.9	2,343.4	2,381.5	2,384.6	1,390.9	1,376.4	1,376.8
Albany-Schenectady-Troy .....	27.4	27.6	26.8	122.4	124.5	122.8	110.0	107.7	109.7
Binghamton .....	4.1	4.1	4.1	26.1	26.2	25.9	20.4	19.0	19.9
Buffalo .....	26.9	26.8	26.6	128.4	129.8	130.6	72.6	70.6	72.9
Elmira .....	1.4	1.4	1.4	10.7	10.5	10.7	6.7	6.5	6.8
Glens Falls .....	1.7	1.7	1.7	13.2	15.6	13.1	8.9	8.5	8.7
Nassau-Suffolk .....	80.1	79.6	78.9	313.2	317.8	316.3	168.7	159.6	167.0
New York PMSA .....	510.6	507.6	504.3	1,243.5	1,243.5	1,255.3	648.2	661.4	644.7
New York City .....	475.7	472.7	469.7	1,085.4	1,084.3	1,098.9	568.8	581.6	564.7
Niagara Falls .....	2.1	2.2	2.2	18.2	18.4	18.6	12.6	13.1	12.8
Orange County .....	5.8	6.2	6.0	26.0	26.4	26.1	24.2	23.4	23.8
Poughkeepsie .....	4.5	4.6	4.5	29.2	29.2	29.9	22.3	20.7	22.0
Rochester .....	22.5	22.9	22.7	130.8	132.5	134.8	65.1	63.5	65.1
Rockland County .....	4.9	4.9	4.8	27.3	28.4	27.5	20.0	19.2	19.9
Syracuse .....	19.0	18.6	18.4	85.0	81.5	86.7	50.8	49.6	50.3
Utica-Rome .....	8.0	8.5	8.4	31.0	31.7	32.3	30.2	30.0	30.0
Westchester County .....	29.1	29.1	28.9	125.2	124.8	123.4	55.7	56.8	56.1
<b>North Carolina</b> .....	135.9	140.8	140.5	651.4	689.8	688.3	507.2	488.0	519.4
Asheville .....	2.6	2.7	2.7	24.6	25.9	25.3	13.5	12.4	13.6
Charlotte-Gastonia-Rock Hill .....	39.0	39.6	39.7	133.8	139.2	140.0	73.5	70.8	73.8
Greensboro-Winston-Salem-High Point .....	25.7	26.4	26.4	113.8	117.5	117.3	57.0	51.0	56.9
Raleigh-Durham .....	23.4	23.7	23.6	131.8	136.9	137.5	102.4	103.6	106.0
<b>North Dakota</b> .....	13.0	13.5	13.5	74.6	76.2	76.3	66.1	62.5	68.0
Bismarck .....	1.8	1.9	1.9	13.6	13.0	13.2	9.3	9.0	9.3
Fargo-Moorhead .....	5.0	5.2	5.1	23.2	23.3	23.2	15.2	13.1	14.9
Grand Forks .....	1.2	1.3	1.3	7.9	8.1	8.2	8.8	8.3	9.8
<b>Ohio</b> .....	258.5	261.1	258.8	1,256.4	1,279.5	1,283.9	718.8	679.7	719.9
Akron .....	11.7	11.9	11.7	77.3	81.7	81.4	44.7	38.4	44.5
Canton .....	6.8	6.9	6.9	43.3	44.1	44.2	19.0	18.2	18.9
Cincinnati .....	44.0	44.0	43.5	202.3	212.2	212.1	94.5	90.8	95.6
Cleveland .....	60.9	61.5	61.1	264.7	272.4	272.8	119.1	111.7	117.4
Columbus .....	60.0	60.5	60.1	193.4	194.6	195.3	129.0	128.8	132.3
Dayton-Springfield .....	17.5	17.5	17.3	121.6	124.6	126.9	76.0	70.0	73.7
Toledo .....	11.3	11.1	11.2	80.7	82.1	82.0	43.6	38.8	44.3
Youngstown-Warren .....	9.2	9.3	9.2	51.8	51.0	51.9	23.4	21.9	22.8
<b>Oklahoma</b> .....	60.5	61.0	60.4	288.0	297.8	299.1	270.8	255.2	264.9
Enid .....	1.0	1.1	1.0	5.7	5.7	5.9	4.1	4.2	4.0
Lawton .....	1.8	1.8	1.8	7.9	8.1	8.3	12.1	10.4	10.9
Oklahoma City .....	25.3	25.7	25.4	110.5	113.9	114.4	102.7	92.9	100.9
Tulsa .....	17.6	17.8	17.6	89.3	89.2	89.1	40.9	40.6	41.4
<b>Oregon</b> .....	87.9	91.0	91.1	316.7	324.9	330.5	222.5	212.0	223.0
Eugene-Springfield .....	6.2	6.6	6.5	29.8	30.9	30.7	22.6	20.8	22.5
Medford .....	2.7	2.8	2.8	14.1	14.6	14.6	9.5	9.0	9.6
Portland .....	56.9	58.0	58.0	172.7	175.6	178.0	85.7	82.3	85.2
Salem .....	6.0	6.4	6.3	26.7	25.7	27.4	32.0	30.6	31.9
<b>Pennsylvania</b> .....	300.0	305.0	301.3	1,497.8	1,513.3	1,524.4	680.4	661.5	676.0
Allentown-Bethlehem .....	14.6	14.7	14.6	79.4	80.8	82.9	31.1	30.5	32.4
Altoona .....	2.3	2.4	2.4	13.9	14.4	14.2	6.8	7.3	6.9
Beaver County .....	1.7	1.7	1.7	14.1	13.7	14.2	7.7	7.4	8.0
Erie .....	5.7	5.9	5.8	33.3	33.8	35.1	13.9	12.5	14.8
Harrisburg-Lebanon-Carlisle .....	22.1	22.5	22.4	75.3	77.3	76.7	67.7	67.5	68.0
Johnstown .....	4.3	4.4	4.3	22.5	23.4	23.6	12.3	12.4	12.6
Lancaster .....	9.0	9.6	9.5	44.2	45.3	45.8	16.7	15.5	17.0
Philadelphia PMSA .....	157.0	158.6	156.7	682.6	685.2	685.4	290.6	284.8	286.3
Philadelphia City .....	59.4	57.7	57.2	261.9	253.5	257.6	131.9	129.5	124.5
Pittsburgh .....	55.2	55.9	55.3	320.2	320.2	324.2	99.1	96.2	102.5

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	151.3	150.0	151.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.7	6.8	6.5
Scranton—Wilkes—Barre .....	303.0	303.8	305.9	0.6	0.6	0.6	12.2	12.0	11.7
Sharon .....	44.6	41.1	41.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	1.1	1.1
State College .....	61.5	59.1	61.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.6	2.8	2.6
Williamsport .....	51.1	50.3	49.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.3	2.3
York .....	182.9	185.2	187.4	.5	.5	.5	9.3	10.0	10.0
<b>Rhode Island</b> .....	426.1	420.7	423.0	.2	.3	.3	13.7	14.3	14.1
Pawtucket—Woonsocket—Attleboro .....	122.9	121.2	124.5	.1	.2	.2	4.1	5.8	5.8
Providence .....	298.8	296.9	298.1	.1	.1	.1	9.2	10.2	10.0
<b>South Carolina</b> .....	1,540.3	1,553.1	1,566.3	1.8	1.9	1.9	82.8	82.5	82.5
Charleston .....	204.4	203.8	205.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.5	12.9	12.8
Columbia .....	245.2	242.9	248.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	12.6	12.6	12.7
Greenville—Spartanburg .....	334.6	332.4	339.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.9	21.0	21.1
<b>South Dakota</b> .....	309.6	319.3	318.8	2.8	2.8	2.7	14.2	15.2	14.5
Rapid City .....	41.8	43.5	43.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	2.9	2.8
Sioux Falls .....	82.4	83.8	83.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	5.0	4.6
<b>Tennessee</b> .....	2,262.5	2,279.9	2,301.5	5.0	4.4	4.4	88.6	93.9	94.5
Chattanooga .....	205.7	207.7	208.7	.6	.6	.6	6.4	6.4	6.4
Johnson City—Kingsport—Bristol .....	178.6	174.4	175.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.2	8.1	8.0
Knoxville .....	291.3	291.9	295.5	1.2	.9	.9	13.0	15.1	15.0
Memphis .....	486.6	485.4	492.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	18.0	18.4	18.5
Nashville .....	520.8	530.1	534.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	20.1	21.1	21.1
<b>Texas</b> .....	7,315.5	7,411.6	7,471.9	167.1	168.8	168.7	350.0	358.5	357.2
Abilene .....	49.7	49.3	50.6	1.3	1.3	1.3	1.7	1.8	1.8
Amarillo .....	80.8	81.2	82.6	.8	.8	.8	3.1	3.5	3.6
Austin .....	410.7	413.6	425.8	.8	.8	.8	14.3	16.3	16.5
Beaumont—Port Arthur .....	152.7	151.9	152.2	1.1	1.1	1.1	17.2	14.3	14.1
Brazoria .....	68.9	67.4	68.4	1.2	1.2	1.2	8.7	7.8	7.9
Brownsville—Harlingen .....	82.7	84.7	85.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.6	2.7
Bryan—College Station .....	59.3	58.1	61.8	.7	.7	.7	2.0	2.1	2.0
Corpus Christi .....	140.1	137.4	136.9	3.0	2.8	2.7	11.3	11.4	11.4
Dallas .....	1,401.5	1,427.7	1,433.2	17.1	16.9	16.7	49.2	54.0	53.8
El Paso .....	219.2	222.9	223.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.2	8.4	8.2
Ft. Worth—Arlington .....	600.2	606.1	608.8	4.4	4.4	4.4	21.4	21.7	21.5
Galveston—Texas City .....	81.3	84.7	84.1	.9	.8	.8	5.5	5.2	5.2
Houston .....	1,825.4	1,632.6	1,637.8	67.5	66.5	66.5	109.1	106.1	104.4
Killeen—Temple .....	79.3	82.3	83.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.0	3.3	3.3
Laredo .....	50.5	52.0	52.4	1.9	2.0	2.0	1.6	1.7	1.8
Longview—Marshall .....	70.7	70.6	71.0	3.4	3.3	3.3	3.7	2.8	2.8
Lubbock .....	98.6	98.6	99.8	.2	.2	.2	3.3	3.8	3.7
McAllen—Edinburg—Mission .....	106.8	109.3	112.3	.8	.9	.9	4.3	4.6	4.6
Midland .....	45.0	45.1	45.2	8.8	9.0	9.1	1.4	1.6	1.6
Odessa .....	44.4	44.3	45.0	4.8	4.7	4.7	2.8	2.7	2.5
San Angelo .....	38.9	38.2	38.8	.6	.6	.6	1.3	1.4	1.3
San Antonio .....	554.2	581.4	571.8	1.6	1.5	1.5	24.1	24.8	24.9
Sherman—Denison .....	36.9	36.4	37.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.6	1.5	1.5
Texarkana .....	47.0	47.0	47.1	.1	.1	.1	1.5	2.1	2.0
Tyler .....	65.2	65.2	65.7	1.5	1.6	1.6	2.1	2.3	2.3
Victoria .....	31.9	32.6	33.3	1.3	1.7	1.7	2.0	2.5	2.4
Waco .....	84.5	83.7	85.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.6	3.5
Wichita Falls .....	49.9	49.5	50.3	1.4	1.4	1.4	1.5	1.7	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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>
<b>Pennsylvania-Continued</b>									
Reading .....	44.0	42.3	42.5	6.2	6.1	6.4	34.3	34.3	34.3
Scranton-Wilkes-Barre .....	65.2	63.6	63.7	16.4	16.3	17.0	73.5	74.2	74.2
Sharon .....	11.6	9.8	9.5	1.9	1.8	1.7	10.8	10.7	10.7
State College .....	8.6	8.7	8.6	1.7	1.8	1.8	12.4	11.8	12.2
Williamsport .....	14.8	14.1	13.9	1.9	1.8	1.8	11.5	11.5	11.4
York .....	55.4	54.5	54.4	9.5	8.7	9.3	45.8	47.2	46.7
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	90.7	88.4	88.6	14.7	14.3	15.0	92.0	92.6	92.1
Providence .....	43.2	40.8	42.0	3.6	3.4	3.3	30.2	29.8	30.3
	56.8	54.8	54.9	10.7	10.6	11.0	61.8	62.2	62.0
<b>South Carolina</b>									
Charleston .....	370.3	365.8	365.6	84.9	64.3	64.5	351.3	365.0	363.1
Columbia .....	20.4	20.1	20.3	10.4	11.1	11.1	49.9	50.5	50.0
Greenville-Spartanburg .....	26.1	26.5	26.5	10.9	11.1	11.0	54.7	56.3	56.1
	95.7	95.2	95.9	14.1	14.1	14.2	79.8	78.7	79.2
<b>South Dakota</b>									
Rapid City .....	37.1	40.7	40.2	14.6	14.9	14.9	80.1	83.8	81.6
Sioux Falls .....	4.4	4.6	4.6	1.9	2.0	2.0	12.2	13.2	12.7
	10.2	10.4	10.3	5.4	5.5	5.5	22.4	22.9	22.6
<b>Tennessee</b>									
Chattanooga .....	516.3	518.1	519.8	121.3	123.9	124.8	525.6	534.6	536.1
Johnson City-Kingsport-Bristol .....	44.4	45.5	45.6	7.5	7.4	7.4	48.8	48.8	48.8
Knoxville .....	54.4	53.9	53.5	6.2	6.4	6.5	40.6	40.5	40.3
Memphis .....	50.6	51.3	51.2	10.3	10.2	10.1	75.2	74.4	74.8
Nashville .....	61.1	60.7	61.7	47.7	49.4	49.7	127.3	128.4	128.6
	91.1	91.0	91.4	30.8	31.4	31.4	128.0	129.4	129.9
<b>Texas</b>									
Abilene .....	975.6	987.3	990.5	437.0	442.7	443.2	1,762.6	1,798.2	1,796.3
Amarillo .....	4.4	3.9	3.9	2.7	2.7	2.7	12.7	12.9	12.9
Austin .....	9.0	8.9	9.1	5.6	5.6	5.6	22.3	21.8	22.1
Beaumont-Port Arthur .....	53.4	55.4	55.2	13.6	13.8	13.9	83.9	86.9	87.0
Brazoria .....	25.7	25.5	25.2	9.4	9.4	9.4	34.3	35.2	35.0
Brownsville-Harlingen .....	17.6	17.6	17.6	2.6	2.5	2.5	13.0	13.4	13.3
Bryan-College Station .....	12.1	13.1	12.8	3.9	3.9	3.8	22.5	22.8	23.1
Corpus Christi .....	3.9	4.1	4.0	1.3	1.3	1.3	12.9	13.3	14.1
Dallas .....	13.3	13.5	13.4	6.9	6.5	6.5	33.4	32.8	32.6
El Paso .....	209.2	209.8	210.1	87.0	88.6	89.2	353.9	363.0	361.1
Ft. Worth-Arlington .....	44.6	46.4	46.4	11.4	11.4	11.5	54.0	54.0	53.9
Galveston-Texas City .....	100.5	100.5	101.9	63.4	61.6	61.7	149.9	151.9	151.7
Houston .....	8.6	8.5	8.5	4.9	4.9	4.9	17.1	18.1	17.9
Killeen-Temple .....	175.9	174.7	174.7	111.1	110.6	109.8	382.4	386.4	385.6
Laredo .....	8.5	9.2	9.2	2.8	2.6	2.6	17.8	18.8	18.9
Longview-Marshall .....	1.9	2.0	1.9	7.7	8.1	8.0	15.7	16.4	16.5
Lubbock .....	15.9	15.8	15.7	3.6	3.4	3.4	17.2	18.1	18.0
McAllen-Edinburg-Mission .....	7.3	7.5	7.8	5.4	5.7	5.7	27.4	27.1	27.2
Midland .....	11.9	12.8	12.9	3.5	3.6	3.6	33.4	34.1	34.7
Odessa .....	2.4	2.2	2.1	2.4	2.4	2.4	10.7	10.7	10.7
San Angelo .....	4.3	4.4	4.4	2.1	2.1	2.1	12.5	12.9	13.0
San Antonio .....	5.3	4.8	4.8	2.8	2.6	2.6	9.2	9.1	9.2
Sherman-Denison .....	45.9	46.6	46.6	24.4	25.9	26.0	136.4	140.5	140.0
Texas City .....	9.5	9.9	9.9	1.5	1.5	1.5	8.1	8.1	8.0
Tyler .....	6.1	5.7	5.8	2.1	2.1	2.1	11.0	11.5	11.5
Victoria .....	11.4	11.4	11.5	3.0	2.8	2.8	16.6	16.9	16.8
Waco .....	3.0	3.1	3.1	1.5	1.4	1.4	8.6	8.4	8.5
Wichita Falls .....	14.7	15.5	15.5	3.4	3.4	3.4	19.7	19.6	19.8
	7.5	7.7	7.8	2.7	2.6	2.6	11.9	11.8	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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Pennsylvania—Continued</b>									
Reading .....	9.0	9.2	9.2	33.9	35.1	34.9	17.2	16.2	17.8
Scranton—Wilkes-Barre .....	13.3	13.4	13.2	80.5	83.7	84.0	41.3	40.0	41.5
Sharon .....	1.5	1.6	1.6	12.6	11.4	12.0	4.8	4.7	5.0
State College .....	1.8	1.8	1.7	11.8	11.7	11.8	22.6	20.5	23.0
Williamsport .....	2.3	2.4	2.3	12.2	12.2	12.2	6.1	6.0	5.9
York .....	5.7	5.9	5.8	38.2	40.6	42.1	18.5	17.8	18.6
<b>Rhode Island</b>									
Pawtucket—Woonsocket—Attleboro .....	25.2	24.6	24.5	128.4	129.0	129.9	61.2	57.2	58.5
Providence .....	3.4	2.7	2.7	27.6	28.7	29.1	10.7	9.8	11.1
	20.7	20.9	20.9	94.4	94.8	95.7	45.1	43.3	43.5
<b>South Carolina</b>									
Charleston .....	65.0	66.3	65.3	313.7	328.3	327.3	290.5	279.0	296.1
Columbia .....	7.9	8.2	8.3	49.4	49.5	50.0	53.9	51.5	53.1
Greenville—Spartanburg .....	18.4	17.8	17.8	53.1	53.4	53.9	69.4	65.2	70.0
	12.6	13.4	13.4	69.2	70.9	72.6	43.3	39.1	43.1
<b>South Dakota</b>									
Rapid City .....	17.1	18.1	17.9	79.7	82.7	81.0	64.0	61.1	66.0
Sioux Falls .....	1.4	1.6	1.5	11.7	12.2	11.9	7.4	7.0	7.7
	8.7	8.8	8.8	22.9	23.5	23.3	8.2	7.7	8.5
<b>Tennessee</b>									
Chattanooga .....	101.4	101.5	101.1	546.6	559.8	560.3	357.7	343.7	360.5
Johnson City—Kingsport—Bristol .....	13.3	13.6	13.6	50.0	51.2	51.6	34.7	34.2	34.7
Knoxville .....	5.5	5.4	5.4	38.5	36.1	36.1	25.2	24.0	25.4
Memphis .....	10.3	10.4	10.2	75.6	77.4	77.2	55.1	52.2	56.1
Nashville .....	25.1	25.7	25.7	129.2	129.7	129.6	78.2	73.1	79.1
	30.7	30.4	30.4	154.0	162.0	161.6	66.1	64.8	68.6
<b>Texas</b>									
Abilene .....	419.5	433.0	432.6	1,869.3	1,912.9	1,911.3	1,334.4	1,310.2	1,372.1
Amarillo .....	1.9	1.9	1.9	15.8	15.4	16.2	9.2	9.4	9.9
Austin .....	4.0	4.1	4.1	20.1	21.4	21.1	15.9	15.1	16.2
Beaumont—Port Arthur .....	23.7	24.6	24.4	109.4	112.6	113.4	111.6	103.2	114.6
Brazoria .....	4.7	4.8	4.8	37.7	39.6	39.2	22.6	22.0	23.4
Brownsville—Harlingen .....	1.8	1.8	1.8	11.6	11.4	11.5	12.4	11.7	12.6
Bryan—College Station .....	3.4	3.4	3.4	19.3	19.9	19.4	19.2	19.0	20.1
Corpus Christi .....	2.0	2.3	2.3	11.4	11.7	11.9	25.1	22.6	25.5
Dallas .....	6.2	6.1	6.1	35.1	35.3	34.9	30.9	29.0	29.3
El Paso .....	121.2	121.2	120.5	393.8	405.2	405.8	170.1	169.0	176.0
Ft. Worth—Arlington .....	8.2	8.3	8.4	46.5	47.8	47.7	46.3	46.6	47.8
Galveston—Texas City .....	28.2	27.9	27.8	151.3	158.0	158.0	81.1	80.1	81.8
Houston .....	5.6	5.8	5.7	14.9	17.6	17.5	23.8	23.8	23.6
Killeen—Temple .....	97.2	97.8	97.2	463.6	471.1	468.8	218.6	219.4	230.8
Laredo .....	3.4	3.7	3.7	19.7	20.7	20.8	24.1	24.0	24.8
Longview—Marshall .....	1.9	2.0	1.9	8.8	8.9	8.9	11.0	10.9	11.4
Lubbock .....	2.5	2.6	2.6	15.1	15.6	15.8	9.3	9.0	9.4
McAllen—Edinburg—Mission .....	4.7	4.3	4.3	26.8	26.7	27.0	23.5	23.3	23.9
Midland .....	3.8	3.9	3.9	19.2	19.6	20.0	29.9	29.8	31.7
Odessa .....	2.4	2.3	2.3	9.9	10.0	9.8	7.2	6.9	7.2
San Angelo .....	1.3	1.3	1.3	8.3	8.7	8.7	8.3	7.5	8.3
San Antonio .....	1.6	1.7	1.7	10.4	10.6	10.6	7.7	7.4	8.0
Sherman—Denison .....	38.7	39.5	39.6	158.3	165.2	166.4	124.8	117.4	126.8
Texas City .....	2.1	2.0	2.0	9.3	9.0	9.5	4.8	4.4	4.9
Tyler .....	1.8	1.8	1.8	12.3	12.4	12.2	12.1	11.3	11.6
Victoria .....	3.0	2.9	2.9	17.4	17.4	17.4	10.2	9.9	10.4
Waco .....	1.5	1.5	1.5	8.0	7.9	8.1	6.0	6.1	6.6
Wichita Falls .....	5.2	5.3	5.2	24.0	22.5	23.9	14.1	13.8	14.5
	2.2	2.2	2.2	12.6	12.5	12.6	10.1	9.6	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	Total			Mining			Construction		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Utah</b> .....	780.8	808.1	821.3	8.6	8.8	8.8	38.8	43.7	44.1
Provo-Orem .....	105.2	106.5	111.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	5.7	6.0	6.2
Salt Lake City-Ogden .....	528.6	551.6	556.1	3.1	3.1	3.2	25.3	29.1	29.5
<b>Vermont</b> .....	251.5	247.7	253.2	.6	.6	.6	13.0	13.4	13.0
Barre-Montpelier .....	33.5	32.5	33.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.5	1.5
Burlington .....	77.5	74.8	76.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	3.8	3.7
<b>Virginia</b> .....	2,856.0	2,852.6	2,869.4	13.6	12.6	12.6	150.2	154.6	153.5
Bristol .....	33.9	33.2	33.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.2	1.2	1.2
Charlottesville .....	70.3	68.0	71.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.7	3.8	3.6
Danville .....	42.4	40.9	42.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	2.0	2.0
Lynchburg .....	77.3	77.3	79.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.4	3.4	3.4
Norfolk-Virginia Beach-Newport News .....	589.7	591.6	590.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	31.1	32.1	32.3
Northern Virginia .....	760.5	766.8	770.7	.4	.4	.4	38.2	39.2	39.5
Richmond-Petersburg .....	463.3	466.3	469.7	.7	.8	.8	27.1	27.3	27.3
Roanoke .....	127.4	126.5	127.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.8	6.7	6.6
<b>Washington</b> .....	2,249.3	2,230.1	2,262.2	3.5	3.3	3.3	127.4	131.8	132.3
Seattle .....	1,134.2	1,124.8	1,137.6	.6	.6	.6	63.7	64.0	64.4
<b>West Virginia</b> .....	642.9	648.4	654.2	31.0	24.7	24.9	30.4	33.3	33.7
Charleston .....	114.4	117.6	117.6	1.9	1.5	1.5	5.8	6.3	6.6
Huntington-Ashland .....	112.6	110.6	111.2	1.7	1.6	1.5	5.6	5.6	5.4
Parkersburg-Marietta .....	64.1	63.4	64.3	.4	.4	.4	3.4	3.0	3.1
Wheeling .....	59.9	60.0	59.9	1.8	1.1	1.1	2.4	2.4	2.4
<b>Wisconsin</b> .....	2,385.5	2,409.9	2,428.0	2.5	2.7	2.7	99.3	113.1	112.3
Appleton-Oshkosh-Neenah .....	173.5	175.8	176.8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.5	10.9	10.7
Eau Claire .....	60.6	60.4	60.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.6	2.7
Green Bay .....	113.9	116.0	116.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	6.5	6.9	7.2
Janesville-Beloit .....	59.9	58.9	59.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.3	2.5	2.6
Kenosha .....	45.8	45.7	46.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.8	2.1	2.0
La Crosse .....	57.2	56.2	57.5	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.1	2.7	2.5
Madison .....	237.0	241.2	243.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	11.0	12.3	11.8
Milwaukee .....	764.1	774.3	778.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	28.7	30.9	30.9
Racine .....	75.5	76.4	76.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	3.7	3.9
Sheboygan .....	53.8	54.2	53.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.2	2.5	2.5
Wausau .....	55.2	56.3	56.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	2.7	2.9
<b>Wyoming</b> .....	211.7	210.5	212.7	17.6	18.0	17.8	12.7	12.8	12.4
Casper .....	28.8	28.5	29.2	2.3	2.5	2.5	1.6	1.7	1.6
<b>Puerto Rico</b> .....	850.4	( <sup>2</sup> )	( <sup>2</sup> )	.9	( <sup>2</sup> )	( <sup>2</sup> )	48.7	( <sup>2</sup> )	( <sup>2</sup> )
Caguas .....	57.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	( <sup>2</sup> )	( <sup>2</sup> )
Mayaguez .....	60.8	55.9	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.8	( <sup>2</sup> )	( <sup>2</sup> )
Ponce .....	57.2	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.1	( <sup>2</sup> )	( <sup>2</sup> )
San Juan .....	517.7	( <sup>2</sup> )	( <sup>2</sup> )	.5	( <sup>2</sup> )	( <sup>2</sup> )	34.5	( <sup>2</sup> )	( <sup>2</sup> )
<b>Virgin Islands</b> .....	44.0	47.2	45.6	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.9	4.8	4.2

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	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Utah</b> .....	106.9	109.1	110.1	44.4	46.9	47.5	186.7	194.2	195.2
Provo-Orem .....	13.8	13.6	13.7	2.0	2.1	2.1	24.2	24.4	24.7
Salt Lake City-Ogden .....	69.7	72.0	72.2	35.1	37.1	37.4	128.9	133.6	133.6
<b>Vermont</b> .....	43.4	43.2	43.3	11.2	10.6	10.8	59.0	59.4	59.2
Barre-Montpelier .....	4.6	5.0	5.0	.9	.8	.7	7.1	7.3	7.2
Burlington .....	14.2	13.5	13.6	3.5	3.7	3.6	18.3	17.7	17.6
<b>Virginia</b> .....	409.6	404.7	404.7	147.2	145.7	145.6	634.4	634.9	632.0
Bristol .....	10.5	10.0	9.9	1.1	1.2	1.2	8.6	8.8	8.8
Charlottesville .....	7.8	7.7	7.7	2.4	2.3	2.3	13.7	13.7	13.8
Danville .....	15.9	15.5	15.9	1.1	1.1	1.1	8.5	8.5	8.5
Lynchburg .....	22.8	22.9	22.8	2.8	2.7	2.7	16.6	17.1	17.0
Norfolk-Virginia Beach-Newport News .....	63.7	62.2	61.2	27.9	28.6	28.6	139.5	140.1	138.6
Northern Virginia .....	32.4	31.3	31.2	49.3	46.5	48.1	165.3	165.2	164.0
Richmond-Petersburg .....	62.9	60.8	61.2	23.0	22.7	22.7	107.0	110.8	110.8
Roanoke .....	18.8	18.5	18.5	8.4	8.3	8.3	34.2	32.9	32.8
<b>Washington</b> .....	350.9	342.3	342.7	115.3	112.1	113.3	549.1	552.3	556.1
Seattle .....	210.2	202.8	201.8	70.4	68.4	69.0	267.1	270.7	270.7
<b>West Virginia</b> .....	82.4	83.3	83.3	38.6	39.0	39.1	147.5	151.5	152.0
Charleston .....	10.5	10.6	10.5	8.9	8.9	9.0	28.5	29.8	29.6
Huntington-Ashland .....	19.9	18.2	18.0	7.3	6.9	6.9	27.8	28.2	28.2
Parkersburg-Marietta .....	13.5	13.7	13.8	2.6	2.5	2.6	15.4	15.6	15.6
Wheeling .....	6.7	6.7	6.7	3.3	3.6	3.5	15.2	15.4	15.4
<b>Wisconsin</b> .....	556.7	562.2	558.3	111.9	110.0	112.3	552.4	560.4	555.5
Appleton-Oshkosh-Neenah .....	57.2	57.3	57.0	7.2	7.6	7.7	36.2	35.9	36.3
Eau Claire .....	10.7	10.1	10.0	3.2	3.2	3.3	16.6	16.8	16.8
Green Bay .....	25.0	26.2	25.6	8.2	8.4	8.3	26.5	27.1	27.0
Janesville-Beloit .....	18.4	17.5	17.4	2.4	2.2	2.2	14.1	14.3	14.2
Kenosha .....	9.8	9.7	9.7	1.6	1.4	1.4	13.7	14.7	14.6
La Crosse .....	10.4	10.2	10.2	2.4	2.4	2.4	15.8	15.6	16.0
Madison .....	25.7	26.8	26.5	8.2	8.0	8.3	51.0	51.1	51.4
Milwaukee .....	184.8	165.4	165.6	36.6	35.9	36.4	169.0	175.9	173.6
Racine .....	24.6	24.2	24.3	2.4	2.5	2.5	16.3	17.0	16.7
Sheboygan .....	20.9	21.6	21.3	1.7	1.5	1.5	10.3	10.3	10.2
Wausau .....	15.7	16.5	16.1	3.5	3.3	3.3	12.6	13.3	13.1
<b>Wyoming</b> .....	9.5	9.6	9.6	14.2	14.6	14.5	48.6	50.3	48.9
Casper .....	1.6	1.6	1.6	1.7	1.6	1.6	8.1	8.2	8.3
<b>Puerto Rico</b> .....	150.4	( <sup>2</sup> )	( <sup>2</sup> )	21.6	( <sup>2</sup> )	( <sup>2</sup> )	156.1	( <sup>2</sup> )	( <sup>2</sup> )
Caguas .....	15.9	( <sup>2</sup> )	( <sup>2</sup> )	.5	( <sup>2</sup> )	( <sup>2</sup> )	11.6	( <sup>2</sup> )	( <sup>2</sup> )
Mayaguez .....	17.5	( <sup>2</sup> )	( <sup>2</sup> )	.5	( <sup>2</sup> )	( <sup>2</sup> )	10.0	( <sup>2</sup> )	( <sup>2</sup> )
Ponce .....	10.1	( <sup>2</sup> )	( <sup>2</sup> )	2.1	( <sup>2</sup> )	( <sup>2</sup> )	9.5	( <sup>2</sup> )	( <sup>2</sup> )
San Juan .....	63.0	( <sup>2</sup> )	( <sup>2</sup> )	17.4	( <sup>2</sup> )	( <sup>2</sup> )	104.9	( <sup>2</sup> )	( <sup>2</sup> )
<b>Virgin Islands</b> .....	2.9	2.9	2.9	2.5	2.5	2.6	9.6	10.4	10.3

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	Finance, insurance, and real estate			Services			Government		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Utah</b> .....	37.6	40.7	41.2	201.7	214.7	216.0	156.1	150.0	158.4
Provo-Orem .....	2.7	2.9	2.9	41.3	42.3	45.1	15.5	15.2	16.6
Salt Lake City-Ogden .....	31.0	33.7	34.0	132.9	143.3	142.2	102.6	99.7	104.0
<b>Vermont</b> .....	11.8	11.7	11.5	70.0	72.0	72.1	42.5	36.8	42.7
Barre-Montpelier .....	2.6	2.7	2.6	8.7	8.5	8.5	8.1	6.7	8.2
Burlington .....	4.0	4.1	4.0	21.2	21.4	21.4	12.5	10.6	12.5
<b>Virginia</b> .....	149.4	152.8	151.4	766.8	786.6	786.1	584.8	560.7	583.5
Bristol .....	1.2	1.2	1.1	6.0	5.8	6.3	5.3	5.0	5.3
Charlottesville .....	3.8	3.8	3.8	15.8	16.5	16.5	23.1	20.2	23.7
Danville .....	1.3	1.2	1.2	8.1	7.8	8.0	5.6	4.8	5.7
Lynchburg .....	3.6	3.7	3.8	18.6	18.0	19.7	9.5	9.5	9.7
Norfolk-Virginia Beach-Newport News .....	25.9	26.9	26.4	162.6	166.5	165.6	139.0	135.2	138.2
Northern Virginia .....	48.2	49.1	48.8	272.4	281.7	283.5	154.3	151.4	155.2
Richmond-Petersburg .....	38.1	39.5	39.8	110.8	113.2	113.5	93.7	91.2	93.6
Roanoke .....	9.0	8.9	8.8	33.9	35.1	35.5	16.3	16.1	16.6
<b>Washington</b> .....	118.8	119.0	119.0	565.4	573.6	577.7	418.9	395.7	417.8
Seattle .....	72.8	74.2	74.4	290.1	294.6	294.0	159.3	149.5	162.7
<b>West Virginia</b> .....	24.8	25.2	25.0	160.5	165.4	167.0	127.7	126.0	129.2
Charleston .....	6.2	6.4	6.4	32.3	33.5	33.8	20.3	20.6	20.2
Huntington-Ashland .....	3.8	3.7	3.7	27.1	27.8	28.1	19.4	18.6	19.4
Parkersburg-Marietta .....	2.4	2.4	2.4	16.0	15.6	15.9	10.4	10.2	10.5
Wheeling .....	3.0	3.1	3.0	18.2	18.4	18.4	9.3	9.3	9.4
<b>Wisconsin</b> .....	127.8	131.4	130.9	578.2	595.4	595.1	356.7	334.7	360.9
Appleton-Oshkosh-Neenah .....	8.5	8.7	8.5	36.8	38.1	38.4	18.0	17.2	18.2
Eau Claire .....	2.1	2.0	2.0	14.3	14.9	14.8	11.4	10.7	11.4
Green Bay .....	6.8	7.6	7.5	28.5	28.3	28.7	12.4	11.5	12.2
Janesville-Beloit .....	1.7	1.8	1.8	13.4	13.7	13.7	7.5	6.9	7.7
Kenosha .....	1.4	1.5	1.4	10.7	10.7	10.9	6.7	5.8	6.4
La Crosse .....	1.9	1.8	1.9	16.3	16.5	16.7	8.3	7.0	8.0
Madison .....	20.4	21.6	21.4	54.8	57.6	57.4	65.9	63.9	66.3
Milwaukee .....	52.6	53.8	53.7	223.5	228.4	228.1	88.9	84.0	89.9
Racine .....	2.3	2.3	2.3	18.0	18.2	16.1	9.0	8.5	8.6
Sheboygan .....	2.3	2.4	2.4	10.4	10.6	10.4	5.9	5.4	5.7
Wausau .....	4.0	4.2	4.2	10.3	10.8	10.5	6.5	5.7	6.3
<b>Wyoming</b> .....	7.4	7.7	7.5	44.5	47.5	44.8	57.2	50.0	57.2
Casper .....	1.1	1.1	1.1	7.0	7.0	7.1	5.4	4.8	5.4
<b>Puerto Rico</b> .....	36.3	( <sup>2</sup> )	( <sup>2</sup> )	140.8	( <sup>2</sup> )	( <sup>2</sup> )	295.4	( <sup>2</sup> )	( <sup>2</sup> )
Caguas .....	1.2	( <sup>2</sup> )	( <sup>2</sup> )	9.2	( <sup>2</sup> )	( <sup>2</sup> )	17.4	( <sup>2</sup> )	( <sup>2</sup> )
Mayaguez .....	1.5	( <sup>2</sup> )	( <sup>2</sup> )	9.2	( <sup>2</sup> )	( <sup>2</sup> )	19.3	( <sup>2</sup> )	( <sup>2</sup> )
Ponce .....	1.7	( <sup>2</sup> )	( <sup>2</sup> )	11.9	( <sup>2</sup> )	( <sup>2</sup> )	18.0	( <sup>2</sup> )	( <sup>2</sup> )
San Juan .....	28.7	( <sup>2</sup> )	( <sup>2</sup> )	96.1	( <sup>2</sup> )	( <sup>2</sup> )	172.5	( <sup>2</sup> )	( <sup>2</sup> )
<b>Virgin Islands</b> .....	2.1	2.1	2.1	9.3	9.7	9.8	13.7	14.8	13.7

<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>									
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 .....	34.8	10.75	374.10	44.1	14.48	638.57	39.5	14.35	566.83
August .....	35.1	10.78	378.38	44.9	14.43	647.91	39.7	14.43	572.87
September <sup>a</sup> .....	34.5	10.91	376.40	44.4	14.50	643.80	38.3	14.51	555.73
October <sup>a</sup> .....	34.6	10.94	378.52	45.1	14.30	644.93	39.4	14.52	572.09

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>										
1964 .....	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965 .....	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.08
1966 .....	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967 .....	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.87	115.66
1968 .....	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.90
1969 .....	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970 .....	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.43	136.86
1971 .....	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.42
1972 .....	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973 .....	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.54
1974 .....	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	169.94
1975 .....	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1976 .....	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
1977 .....	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978 .....	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979 .....	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980 .....	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.4	6.95	266.88
1981 .....	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.68
1982 .....	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.46
1983 .....	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.79
1984 .....	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.88
1985 .....	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.36
1986 .....	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.72
1987 .....	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988 .....	41.1	10.19	9.73	418.81	38.8	12.26	475.69	38.1	9.98	380.24
1989 .....	41.0	10.48	10.02	429.68	38.9	12.60	490.14	38.0	10.39	394.82
1990 .....	40.8	10.83	10.37	441.86	38.9	12.97	504.53	38.1	10.79	411.10
1991 .....	40.7	11.18	10.71	455.03	38.7	13.22	511.61	38.1	11.15	424.82
1992 .....	41.0	11.46	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>										
October .....	41.3	\$11.50	\$10.96	\$474.95	39.1	\$13.57	\$530.59	38.2	\$11.44	\$437.01
November .....	41.6	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 .....	41.0	11.73	11.19	480.93	40.0	13.65	546.00	38.3	11.71	448.49
August .....	41.5	11.71	11.14	485.97	40.4	13.65	551.46	38.4	11.73	450.43
September <sup>a</sup> .....	41.5	11.86	11.25	492.19	39.9	13.71	547.03	38.1	11.78	448.82
October <sup>b</sup> .....	41.8	11.82	11.21	494.08	39.9	13.68	545.83	38.2	11.81	451.14

See footnotes at end of table.

**ESTABLISHMENT DATA  
HISTORICAL HOURS AND EARNINGS**

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

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
<b>Annual averages</b>									
1964 .....	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965 .....	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966 .....	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967 .....	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968 .....	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969 .....	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970 .....	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971 .....	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972 .....	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973 .....	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974 .....	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975 .....	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976 .....	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977 .....	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978 .....	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979 .....	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980 .....	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981 .....	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982 .....	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983 .....	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984 .....	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985 .....	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986 .....	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987 .....	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988 .....	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989 .....	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990 .....	28.8	6.75	194.40	35.8	9.97	356.93	32.5	9.83	319.48
1991 .....	28.6	6.94	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>									
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 .....	29.6	7.24	214.30	35.6	11.24	400.14	32.8	10.64	348.99
August .....	29.7	7.24	215.03	36.4	11.35	413.14	33.1	10.68	353.51
September <sup>p</sup> .....	28.9	7.33	211.84	35.5	11.38	403.99	32.4	10.86	351.86
October <sup>p</sup> .....	28.8	7.37	212.26	35.6	11.45	407.62	32.4	10.91	353.48

<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 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<sup>1</sup> on private nonfarm payrolls by detailed industry**

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Total private</b> .....		34.3	34.4	35.1	34.5	34.6	-	-	-	-	-
<b>Mining</b> .....		43.9	44.4	44.9	44.4	45.1	-	-	-	-	-
Metal mining .....	10	43.8	43.1	42.6	43.9	-	-	-	-	-	-
Iron ores .....	101	42.0	42.0	41.3	42.6	-	-	-	-	-	-
Copper ores .....	102	47.0	44.8	44.1	47.0	-	-	-	-	-	-
Coal mining .....	12	43.6	43.6	44.7	44.2	-	-	-	-	-	-
Bituminous coal and lignite mining .....	122	43.7	43.6	44.7	44.4	-	-	-	-	-	-
Oil and gas extraction .....	13	43.7	44.5	44.4	43.7	-	-	-	-	-	-
Crude petroleum and natural gas .....	131	41.1	41.6	42.8	41.9	-	-	-	-	-	-
Oil and gas field services .....	138	45.4	46.5	45.3	44.6	-	-	-	-	-	-
Nonmetallic minerals, except fuels .....	14	45.2	45.9	47.7	47.3	-	-	-	-	-	-
Crushed and broken stone .....	142	46.1	46.7	49.3	48.5	-	-	-	-	-	-
<b>Construction</b> .....		37.1	39.0	39.7	38.3	39.4	-	-	-	-	-
General building contractors .....	15	36.5	38.2	38.5	37.4	-	-	-	-	-	-
Residential building construction .....	152	36.2	37.3	37.9	37.2	-	-	-	-	-	-
Operative builders .....	153	37.5	37.9	39.0	38.5	-	-	-	-	-	-
Nonresidential building construction .....	154	36.8	39.1	39.1	37.5	-	-	-	-	-	-
Heavy construction, except building .....	16	40.7	43.3	44.1	42.2	-	-	-	-	-	-
Highway and street construction .....	161	42.0	44.3	46.8	44.2	-	-	-	-	-	-
Heavy construction, except highway .....	162	40.0	42.8	42.6	41.2	-	-	-	-	-	-
Special trade contractors .....	17	36.3	38.1	38.8	37.5	-	-	-	-	-	-
Plumbing, heating, and air conditioning .....	171	37.6	39.3	39.8	38.8	-	-	-	-	-	-
Painting and paper hanging .....	172	36.1	36.7	37.6	36.7	-	-	-	-	-	-
Electrical work .....	173	37.2	39.2	40.1	38.5	-	-	-	-	-	-
Masonry, stonework, and plastering .....	174	33.9	35.8	36.0	34.8	-	-	-	-	-	-
Carpentry and floor work .....	175	34.6	35.9	36.8	36.0	-	-	-	-	-	-
Roofing, siding, and sheet metal work .....	176	34.2	35.6	36.4	34.6	-	-	-	-	-	-
<b>Manufacturing</b> .....		41.0	41.3	41.5	41.5	41.8	3.9	4.1	4.3	4.5	4.5
<b>Durable goods</b> .....		41.1	41.8	42.1	42.1	42.5	3.7	4.0	4.4	4.5	4.7
Lumber and wood products .....	24	40.3	40.9	41.2	41.2	41.2	3.6	4.0	4.4	4.4	-
Logging .....	241	40.4	41.7	41.2	40.6	-	5.1	5.8	6.1	5.8	-
Sawmills and planing mills .....	242	41.3	41.5	42.3	42.5	-	4.0	4.5	5.0	5.1	-
Sawmills and planing mills, general .....	2421	41.7	41.8	42.6	42.8	-	4.3	4.8	5.4	5.4	-
Hardwood dimension and flooring mills .....	2426	39.9	40.8	40.9	41.4	-	3.0	3.4	3.5	4.0	-
Millwork, plywood, and structural members .....	243	40.0	40.5	41.1	40.9	-	3.2	3.6	4.0	4.0	-
Millwork .....	2431	39.6	40.0	40.2	40.6	-	2.7	3.1	3.0	3.5	-
Wood kitchen cabinets .....	2434	39.4	39.9	41.0	40.9	-	3.0	3.2	4.2	3.9	-
Hardwood veneer and plywood .....	2435	40.3	41.3	41.2	40.7	-	3.8	4.1	4.5	4.4	-
Softwood veneer and plywood .....	2436	42.3	42.5	42.8	41.3	-	4.6	4.6	5.0	4.6	-
Wood containers .....	244	39.3	39.8	39.1	39.4	-	2.8	3.5	3.2	3.3	-
Wood buildings and mobile homes .....	245	39.4	40.5	41.4	41.0	-	2.8	3.4	4.4	4.2	-
Mobile homes .....	2451	39.4	40.6	41.6	41.2	-	3.0	3.5	4.5	4.4	-
Miscellaneous wood products .....	249	40.2	40.4	40.4	40.7	-	3.3	3.3	3.2	3.7	-
Furniture and fixtures .....	25	39.4	40.1	40.7	40.1	40.6	2.9	3.1	3.5	3.5	-
Household furniture .....	251	38.7	39.3	39.5	39.6	-	2.2	2.6	2.6	2.9	-
Wood household furniture .....	2511	38.3	39.4	39.9	39.7	-	2.1	2.4	2.7	2.8	-
Upholstered household furniture .....	2512	38.1	38.4	38.5	39.0	-	1.8	2.4	2.1	2.2	-
Metal household furniture .....	2514	40.0	41.0	41.0	40.7	-	3.0	3.7	3.2	3.6	-
Mattresses and bedspings .....	2515	41.2	39.9	40.7	41.3	-	3.8	2.9	3.8	4.6	-
Office furniture .....	252	38.0	40.2	42.5	39.1	-	2.9	2.8	4.5	4.0	-
Public building and related furniture .....	253	41.5	42.1	43.3	41.9	-	3.9	4.0	5.7	4.0	-
Partitions and fixtures .....	254	41.4	41.8	42.3	41.8	-	4.7	4.5	5.2	5.1	-
Miscellaneous furniture and fixtures .....	259	41.3	41.9	41.3	40.9	-	3.5	3.9	3.2	3.5	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Total private</b> .....		\$10.65	\$10.68	\$10.78	\$10.91	\$10.94	\$365.30	\$367.39	\$378.38	\$376.40	\$378.52
<b>Mining</b> .....		14.60	14.47	14.43	14.50	14.30	640.94	642.47	647.91	643.80	644.93
Metal mining .....	10	15.49	15.37	15.13	15.42	-	678.46	662.45	644.54	676.94	-
Iron ores .....	101	17.70	17.19	15.80	16.78	-	743.40	721.98	652.54	714.83	-
Copper ores .....	102	13.99	13.87	14.04	14.20	-	657.53	621.38	619.16	667.40	-
Coal mining .....	12	17.25	17.19	17.11	17.10	-	752.10	749.48	764.82	755.82	-
Bituminous coal and lignite mining .....	122	17.42	17.34	17.33	17.33	-	761.25	756.02	774.65	769.45	-
Oil and gas extraction .....	13	13.98	13.88	14.03	14.05	-	610.93	617.66	622.93	613.99	-
Crude petroleum and natural gas .....	131	16.70	16.65	17.14	17.14	-	686.37	692.64	733.59	718.17	-
Oil and gas field services .....	138	12.21	12.10	12.28	12.39	-	554.33	562.65	556.28	552.59	-
Nonmetallic minerals, except fuels .....	14	12.57	12.44	12.82	12.94	-	568.16	571.00	611.51	612.06	-
Crushed and broken stone .....	142	12.10	11.73	12.25	12.21	-	557.81	547.79	603.93	592.19	-
<b>Construction</b> .....		14.22	14.30	14.43	14.51	14.52	527.56	557.70	572.87	555.73	572.09
General building contractors .....	15	13.58	13.62	13.59	13.69	-	495.67	520.28	523.22	512.01	-
Residential building construction .....	152	12.78	12.71	12.57	12.73	-	462.64	474.08	476.40	473.56	-
Operative builders .....	153	13.68	13.68	13.41	13.32	-	513.00	518.47	522.99	512.82	-
Nonresidential building construction .....	154	14.30	14.41	14.52	14.59	-	526.24	563.43	567.73	547.13	-
Heavy construction, except building .....	16	14.22	14.27	14.29	14.41	-	578.75	617.89	630.19	608.10	-
Highway and street construction .....	161	13.97	13.97	14.42	14.54	-	586.74	618.87	674.86	642.67	-
Heavy construction, except highway .....	162	14.34	14.42	14.20	14.34	-	573.60	617.18	604.92	590.81	-
Special trade contractors .....	17	14.46	14.55	14.76	14.81	-	524.90	554.36	572.69	555.38	-
Plumbing, heating, and air conditioning .....	171	14.86	14.98	15.09	15.06	-	558.74	588.71	600.58	584.33	-
Painting and paper hanging .....	172	13.18	13.26	13.50	13.45	-	475.80	486.64	507.60	493.62	-
Electrical work .....	173	15.45	15.59	15.90	15.85	-	574.74	611.13	637.59	610.23	-
Masonry, stonework, and plastering .....	174	14.61	14.53	14.83	15.03	-	495.28	520.17	533.88	523.04	-
Carpentry and floor work .....	175	14.44	14.45	14.60	14.63	-	499.62	518.76	537.28	526.68	-
Roofing, siding, and sheet metal work .....	176	12.45	12.45	12.92	12.92	-	425.79	443.22	470.29	447.03	-
<b>Manufacturing</b> .....		11.54	11.50	11.71	11.86	11.82	473.14	474.95	485.97	492.19	494.08
<b>Durable goods</b> .....		12.09	12.07	12.31	12.46	12.43	496.90	504.53	518.25	524.57	528.28
Lumber and wood products .....	24	9.50	9.54	9.67	9.72	9.71	382.85	390.19	398.40	400.46	400.05
Logging .....	241	11.29	11.48	11.52	11.62	-	456.12	478.72	474.62	471.77	-
Sawmills and planing mills .....	242	9.66	9.67	9.79	9.82	-	398.96	401.31	414.12	417.35	-
Sawmills and planing mills, general .....	2421	10.02	10.06	10.16	10.19	-	417.83	420.51	432.82	436.13	-
Hardwood dimension and flooring mills .....	2426	8.06	8.00	8.24	8.30	-	321.59	326.40	337.02	343.62	-
Millwork, plywood, and structural members .....	243	9.54	9.51	9.70	9.73	-	381.60	385.16	398.67	397.96	-
Millwork .....	2431	9.91	9.79	9.91	10.04	-	392.44	391.60	398.38	407.62	-
Wood kitchen cabinets .....	2434	8.81	8.92	9.08	9.04	-	347.11	355.91	372.28	369.74	-
Hardwood veneer and plywood .....	2435	8.30	8.19	8.45	8.50	-	334.49	338.25	348.14	345.95	-
Softwood veneer and plywood .....	2436	11.04	11.01	11.59	11.66	-	466.99	467.93	496.05	481.56	-
Wood containers .....	244	6.88	6.97	7.05	7.06	-	270.38	277.41	275.66	278.16	-
Wood buildings and mobile homes .....	245	9.12	9.26	9.43	9.47	-	359.33	375.03	390.40	388.27	-
Mobile homes .....	2451	9.14	9.33	9.46	9.51	-	360.12	378.80	393.54	391.81	-
Miscellaneous wood products .....	249	8.82	8.81	9.05	9.14	-	354.56	355.92	365.62	372.00	-
Furniture and fixtures .....	25	9.10	9.11	9.33	9.40	9.41	358.54	365.31	379.73	376.94	382.05
Household furniture .....	251	8.47	8.47	8.77	8.86	-	327.79	332.87	346.42	350.86	-
Wood household furniture .....	2511	7.92	7.89	8.21	8.32	-	303.34	310.87	327.58	330.30	-
Upholstered household furniture .....	2512	9.22	9.34	9.49	9.51	-	351.28	358.66	365.37	370.89	-
Metal household furniture .....	2514	8.57	8.62	8.94	8.95	-	342.80	353.42	366.54	364.27	-
Mattresses and bedspings .....	2515	8.90	8.70	9.28	9.43	-	366.68	347.13	377.70	389.46	-
Office furniture .....	252	9.85	9.89	10.11	10.08	-	374.30	397.58	429.68	394.13	-
Public building and related furniture .....	253	9.61	9.61	9.47	9.59	-	398.82	404.58	410.05	401.82	-
Partitions and fixtures .....	254	10.49	10.50	10.63	10.75	-	434.29	438.90	449.65	449.35	-
Miscellaneous furniture and fixtures .....	259	9.47	9.53	9.44	9.54	-	391.11	399.31	389.87	390.19	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	43.0	43.1	43.5	43.3	43.4	5.3	5.5	6.0	5.8	-
Flat glass .....	321	45.0	45.1	46.8	48.0	-	6.5	6.4	9.1	9.2	-
Glass and glassware, pressed or blown .....	322	43.9	42.6	42.7	43.0	-	5.9	4.8	4.8	5.1	-
Glass containers .....	3221	44.5	43.1	43.7	43.3	-	7.0	6.0	6.2	6.4	-
Pressed and blown glass, nec .....	3229	43.3	42.1	41.7	42.7	-	4.9	3.6	3.5	4.0	-
Products of purchased glass .....	323	41.1	42.2	42.1	42.2	-	3.4	3.8	4.0	4.2	-
Cement, hydraulic .....	324	43.4	42.2	41.8	43.8	-	4.0	4.1	3.8	4.5	-
Structural clay products .....	325	41.3	41.2	41.3	40.4	-	3.4	3.7	3.9	3.8	-
Pottery and related products .....	326	41.2	41.8	41.6	40.9	-	3.9	4.3	4.1	4.3	-
Concrete, gypsum, and plaster products .....	327	43.9	44.5	45.3	44.6	-	6.2	7.4	8.3	7.5	-
Concrete block and brick .....	3271	43.8	44.7	46.4	46.3	-	5.8	7.0	8.5	8.1	-
Concrete products, nec .....	3272	42.8	43.6	43.8	43.7	-	5.2	6.0	6.4	6.0	-
Ready-mixed concrete .....	3273	43.8	44.6	45.8	44.5	-	6.4	8.1	9.3	7.9	-
Misc. nonmetallic mineral products .....	329	42.9	42.4	42.6	43.3	-	5.4	5.1	4.9	5.1	-
Abrasive products .....	3291	40.9	42.5	41.9	43.4	-	3.6	4.0	3.6	4.0	-
Asbestos products .....	3292	42.1	41.9	41.4	39.9	-	5.6	5.8	6.3	6.0	-
Primary metal industries .....	33	43.2	42.9	43.4	43.7	43.7	5.4	5.1	5.7	5.9	-
Blast furnaces and basic steel products .....	331	44.5	43.0	44.0	44.4	44.4	6.0	5.2	5.8	5.8	-
Blast furnaces and steel mills .....	3312	44.7	43.0	44.3	44.8	-	6.2	5.3	6.0	6.1	-
Steel pipe and tubes .....	3317	43.5	43.3	42.9	43.0	-	5.2	5.1	5.0	4.8	-
Iron and steel foundries .....	332	42.4	43.1	43.9	44.3	-	4.9	5.2	6.0	6.3	-
Gray and ductile iron foundries .....	3321	42.8	43.6	44.7	45.1	-	5.3	5.6	6.7	7.0	-
Malleable iron foundries .....	3322	44.7	43.4	41.7	41.9	-	6.3	6.7	6.2	8.2	-
Steel foundries, nec .....	3325	41.4	41.6	42.4	42.3	-	3.9	3.9	4.6	4.6	-
Primary nonferrous metals .....	333	44.1	42.8	42.1	43.8	-	6.0	5.3	5.2	5.6	-
Primary aluminum .....	3334	43.5	42.6	41.6	42.7	-	6.3	5.5	5.0	4.8	-
Nonferrous rolling and drawing .....	335	43.3	43.2	43.8	43.6	-	6.0	5.6	6.5	6.7	-
Copper rolling and drawing .....	3351	42.8	41.6	43.7	43.5	-	6.4	5.5	6.7	7.2	-
Aluminum sheet, plate, and foil .....	3353	46.4	45.7	44.8	45.0	-	9.5	7.7	7.5	8.1	-
Nonferrous wire drawing and insulating .....	3357	42.1	42.1	43.3	43.5	-	4.6	4.4	6.2	6.3	-
Nonferrous foundries (castings) .....	336	40.4	41.4	40.8	41.5	-	3.1	3.6	3.9	4.3	-
Aluminum foundries .....	3365	40.8	42.0	41.3	40.5	-	3.7	4.0	4.4	4.4	-
Fabricated metal products .....	34	41.0	42.0	42.1	41.7	42.5	3.6	4.1	4.4	4.5	-
Metal cans and shipping containers .....	341	43.0	43.4	44.3	44.0	-	5.5	5.9	6.4	6.5	-
Metal cans .....	3411	43.2	43.3	44.0	43.6	-	5.3	5.7	6.4	6.5	-
Cutlery, handtools, and hardware .....	342	40.3	41.3	41.6	40.7	-	2.7	3.1	3.6	3.5	-
Hand and edge tools, and blades and handsaws .....	3423,5	40.1	41.5	41.4	40.6	-	2.7	3.5	3.4	3.0	-
Hardware, nec .....	3429	39.9	40.7	41.4	40.5	-	2.5	2.8	3.5	3.8	-
Plumbing and heating, except electric .....	343	41.3	42.5	41.9	41.1	-	3.8	4.5	4.2	4.1	-
Plumbing fixture fittings and trim .....	3432	41.5	42.2	40.6	40.3	-	3.9	4.0	2.6	2.4	-
Heating equipment, except electric .....	3433	39.3	41.6	42.1	41.4	-	2.8	3.9	4.4	4.4	-
Fabricated structural metal products .....	344	40.9	41.6	41.9	41.4	-	3.7	4.1	4.6	4.5	-
Fabricated structural metal .....	3441	41.6	42.2	42.9	42.0	-	4.2	4.8	5.1	5.1	-
Metal doors, sash, and trim .....	3442	40.3	41.0	40.6	40.4	-	3.2	3.4	4.0	3.9	-
Fabricated plate work (boiler shops) .....	3443	41.6	42.2	42.7	41.8	-	4.1	4.6	5.0	4.8	-
Sheet metal work .....	3444	40.1	41.1	41.1	40.9	-	3.1	3.4	4.0	4.0	-
Architectural metal work .....	3446	40.4	40.5	41.8	40.8	-	3.7	3.2	4.3	3.8	-
Screw machine products, bolts, etc .....	345	40.2	41.8	41.9	41.6	-	3.2	4.1	4.5	4.6	-
Screw machine products .....	3451	40.3	41.5	41.7	41.5	-	2.9	4.0	4.2	4.2	-
Bolts, nuts, rivets, and washers .....	3452	40.1	42.2	42.1	41.8	-	3.6	4.3	4.9	5.1	-
Metal forgings and stampings .....	346	41.5	42.6	43.1	43.2	-	3.8	4.3	4.7	5.5	-
Iron and steel forgings .....	3462	40.0	41.5	41.9	42.3	-	2.6	3.4	4.4	4.8	-
Automotive stampings .....	3465	41.8	43.2	44.0	44.5	-	4.0	4.7	5.3	6.4	-
Metal stampings, nec .....	3469	41.1	41.7	42.2	41.9	-	3.7	3.9	3.9	4.3	-
Metal services, nec .....	347	40.4	41.2	40.8	39.9	-	3.5	3.8	3.7	3.6	-
Plating and polishing .....	3471	39.8	40.7	40.3	39.4	-	3.0	3.4	3.4	3.2	-
Metal coating and allied services .....	3479	41.3	42.0	41.5	40.8	-	4.3	4.5	4.2	4.3	-
Ordnance and accessories, nec .....	348	42.1	43.4	42.0	41.3	-	3.7	4.1	3.5	3.3	-
Ammunition, except for small arms, nec .....	3483	42.5	43.5	42.1	40.8	-	3.2	3.4	3.2	2.2	-
Misc. fabricated metal products .....	349	40.9	41.9	42.2	41.7	-	3.4	3.8	4.0	4.2	-
Valves and pipe fittings, nec .....	3494	41.6	42.7	42.8	41.3	-	3.6	4.1	4.3	3.7	-
Misc. fabricated wire products .....	3496	39.8	40.8	41.5	41.3	-	2.7	3.1	3.6	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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Durable goods—Continued</b>											
Stone, clay, and glass products .....	32	\$11.79	\$11.69	\$11.89	\$12.03	\$11.90	\$506.97	\$503.84	\$517.22	\$520.90	\$516.46
Flat glass .....	321	17.46	16.42	17.60	18.44	-	785.70	740.54	823.68	885.12	-
Glass and glassware, pressed or blown .....	322	13.31	13.08	13.38	13.51	-	584.31	557.21	571.33	580.93	-
Glass containers .....	3221	14.05	13.68	13.88	14.04	-	625.23	589.61	606.56	607.93	-
Pressed and blown glass, nec .....	3229	12.60	12.51	12.90	13.04	-	545.58	526.67	537.93	556.81	-
Products of purchased glass .....	323	10.19	10.18	10.20	10.19	-	418.81	429.60	429.42	430.02	-
Cement, hydraulic .....	324	15.15	14.87	14.84	15.41	-	657.51	627.51	620.31	674.96	-
Structural clay products .....	325	10.15	10.16	10.38	10.51	-	419.20	418.59	428.69	424.60	-
Pottery and related products .....	326	10.16	10.17	10.27	10.46	-	418.59	425.11	427.23	427.81	-
Concrete, gypsum, and plaster products .....	327	11.19	11.32	11.49	11.51	-	491.24	503.74	520.50	513.35	-
Concrete block and brick .....	3271	10.62	10.64	10.87	10.77	-	465.16	475.61	504.37	498.65	-
Concrete products, nec .....	3272	10.11	10.20	10.32	10.34	-	432.71	444.72	452.02	451.86	-
Ready-mixed concrete .....	3273	11.80	12.04	12.14	12.13	-	516.84	536.98	556.01	539.79	-
Misc. nonmetallic mineral products .....	329	12.46	12.21	12.41	12.55	-	534.53	517.70	528.67	543.42	-
Abrasive products .....	3291	10.45	10.44	10.57	10.65	-	427.41	443.70	442.88	462.21	-
Asbestos products .....	3292	13.09	13.26	13.80	14.02	-	551.09	555.59	571.32	559.40	-
Primary metal industries .....	33	13.92	13.72	14.01	14.22	14.07	601.34	588.59	608.03	621.41	614.86
Blast furnaces and basic steel products .....	331	16.30	15.97	16.44	16.62	16.58	725.35	686.71	723.36	737.93	736.15
Blast furnaces and steel mills .....	3312	17.36	16.99	17.56	17.75	-	775.99	730.57	777.91	795.20	-
Steel pipe and tubes .....	3317	12.62	12.55	12.76	12.91	-	548.97	543.42	547.40	555.13	-
Iron and steel foundries .....	332	12.19	12.26	12.35	12.74	-	516.86	528.41	542.17	564.38	-
Gray and ductile iron foundries .....	3321	12.63	12.66	12.85	13.23	-	540.56	551.98	574.40	596.67	-
Malleable iron foundries .....	3322	13.06	13.43	12.88	14.98	-	583.78	582.86	537.10	627.66	-
Steel foundries, nec .....	3325	11.58	11.60	11.58	11.75	-	479.41	482.56	490.99	497.03	-
Primary nonferrous metals .....	333	15.46	15.18	15.33	15.47	-	681.79	649.70	645.39	677.59	-
Primary aluminum .....	3334	15.91	15.42	15.55	15.64	-	692.09	656.89	646.88	667.83	-
Nonferrous rolling and drawing .....	335	13.11	12.92	13.22	13.40	-	567.66	558.14	579.04	584.24	-
Copper rolling and drawing .....	3351	12.59	12.58	12.81	13.04	-	538.85	523.33	559.80	567.24	-
Aluminum sheet, plate, and foil .....	3353	16.02	15.47	15.61	16.26	-	743.33	706.98	699.33	731.70	-
Nonferrous wire drawing and insulating .....	3357	13.00	12.83	13.33	13.40	-	547.30	540.14	577.19	582.90	-
Nonferrous foundries (castings) .....	336	10.81	10.96	11.10	11.29	-	436.72	453.74	452.88	468.54	-
Aluminum foundries .....	3365	10.38	10.42	10.66	10.98	-	423.50	437.64	440.26	444.69	-
Fabricated metal products .....	34	11.44	11.43	11.67	11.83	11.74	469.04	480.06	491.31	493.31	498.95
Metal cans and shipping containers .....	341	14.74	14.70	15.19	15.37	-	633.82	637.98	672.92	676.28	-
Metal cans .....	3411	15.73	15.72	16.27	16.52	-	679.54	680.68	715.88	720.27	-
Cutlery, handtools, and hardware .....	342	11.15	11.28	11.49	11.67	-	449.35	465.86	477.98	474.97	-
Hand and edge tools, and blades and handsaws .....	3423,5	10.45	10.59	10.93	10.99	-	419.05	439.49	452.50	446.19	-
Hardware, nec .....	3429	11.29	11.40	11.40	11.72	-	450.47	463.98	471.96	474.66	-
Plumbing and heating, except electric .....	343	10.42	10.41	10.58	10.68	-	430.35	442.43	443.30	438.95	-
Plumbing fixture fittings and trim .....	3432	9.93	9.89	9.93	10.06	-	412.10	417.36	403.16	405.42	-
Heating equipment, except electric .....	3433	10.52	10.49	10.82	10.77	-	413.44	436.38	455.52	445.88	-
Fabricated structural metal products .....	344	10.72	10.75	10.92	10.96	-	438.45	447.20	457.55	453.74	-
Fabricated structural metal .....	3441	10.71	10.80	10.78	10.80	-	445.54	455.76	462.46	453.60	-
Metal doors, sash, and trim .....	3442	9.00	8.99	9.27	9.22	-	362.70	368.59	376.36	372.49	-
Fabricated plate work (boiler shops) .....	3443	12.03	12.07	12.40	12.52	-	500.45	509.35	529.48	523.34	-
Sheet metal work .....	3444	10.94	10.92	11.14	11.21	-	438.69	448.81	457.85	458.49	-
Architectural metal work .....	3446	10.24	10.11	10.07	10.24	-	413.70	409.46	420.93	417.79	-
Screw machine products, bolts, etc .....	345	11.36	11.37	11.47	11.55	-	456.67	475.27	480.59	480.48	-
Screw machine products .....	3451	10.56	10.59	10.73	10.79	-	425.57	439.49	447.44	447.79	-
Bolts, nuts, rivets, and washers .....	3452	12.27	12.23	12.30	12.44	-	492.03	516.11	517.83	519.99	-
Metal forgings and stampings .....	346	13.58	13.52	13.89	14.27	-	563.57	575.95	598.66	616.46	-
Iron and steel forgings .....	3462	13.37	13.31	13.53	13.65	-	534.80	552.37	566.91	577.40	-
Automotive stampings .....	3465	15.59	15.42	15.91	16.50	-	651.66	666.14	700.04	734.25	-
Metal stampings, nec .....	3469	10.89	10.90	11.09	11.25	-	447.58	454.53	468.00	471.38	-
Metal services, nec .....	347	9.58	9.49	9.63	9.75	-	387.03	390.99	392.90	389.03	-
Plating and polishing .....	3471	9.51	9.38	9.67	9.84	-	378.50	381.77	389.70	387.70	-
Metal coating and allied services .....	3479	9.69	9.67	9.57	9.60	-	400.20	406.14	397.16	391.68	-
Ordnance and accessories, nec .....	348	12.57	12.48	13.52	13.64	-	529.20	541.63	567.84	563.33	-
Ammunition, except for small arms, nec .....	3483	12.14	12.20	13.79	13.84	-	515.95	530.70	580.56	564.67	-
Misc. fabricated metal products .....	349	10.70	10.69	10.89	10.97	-	437.63	447.91	459.56	457.45	-
Valves and pipe fittings, nec .....	3494	11.40	11.38	11.29	11.35	-	474.24	485.93	483.21	468.76	-
Misc. fabricated wire products .....	3496	9.41	9.48	9.77	9.73	-	374.52	386.78	405.46	401.85	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	41.5	42.4	42.6	42.6	43.2	3.7	4.2	4.6	4.8	-
Engines and turbines .....	351	42.7	43.4	43.5	44.8	-	4.1	5.1	4.9	5.6	-
Turbines and turbine generator sets .....	3511	43.0	44.4	43.0	45.6	-	5.3	6.8	5.2	7.7	-
Internal combustion engines, nec .....	3519	42.6	42.9	43.7	44.5	-	3.6	4.3	4.8	4.7	-
Farm and garden machinery .....	352	39.5	41.1	42.8	41.8	-	2.9	2.9	4.2	4.5	-
Farm machinery and equipment .....	3523	40.2	42.1	42.9	42.9	-	3.1	3.3	4.7	5.2	-
Construction and related machinery .....	353	43.2	44.0	43.8	43.7	-	3.8	4.4	4.9	5.0	-
Construction machinery .....	3531	44.1	44.3	43.7	43.5	-	3.3	3.5	4.4	4.5	-
Mining machinery .....	3532	40.5	40.0	40.7	42.0	-	3.3	2.8	4.0	4.8	-
Oil and gas field machinery .....	3533	45.3	47.2	47.0	46.7	-	5.5	6.8	6.5	6.3	-
Conveyors and conveying equipment .....	3535	42.7	43.5	43.6	43.8	-	4.3	5.2	5.8	6.1	-
Industrial trucks and tractors .....	3537	40.1	41.1	41.3	41.8	-	2.9	3.4	3.9	4.1	-
Metalworking machinery .....	354	41.8	43.1	43.0	42.7	-	4.3	5.1	5.2	5.2	-
Machine tools, metal cutting types .....	3541	40.7	42.9	42.3	42.5	-	3.8	4.5	4.4	4.5	-
Machine tools, metal forming types .....	3542	41.8	42.9	42.2	43.1	-	4.3	4.8	4.2	4.7	-
Special dies, tools, jigs, and fixtures .....	3544	42.5	43.8	43.5	43.2	-	5.0	6.0	6.2	6.0	-
Machine tool accessories .....	3545	41.4	42.2	42.1	42.0	-	3.6	3.8	3.6	3.8	-
Power driven handtools .....	3546	41.6	42.4	43.1	42.0	-	3.2	3.5	4.5	4.5	-
Special industry machinery .....	355	41.3	42.2	42.4	42.4	-	3.9	4.3	4.8	4.9	-
Textile machinery .....	3552	41.9	42.5	41.6	41.6	-	3.2	4.1	4.5	3.6	-
Printing trades machinery .....	3555	41.3	40.5	40.7	42.5	-	5.1	4.0	4.1	5.6	-
Food products machinery .....	3556	41.4	42.0	42.9	42.3	-	3.9	4.2	5.3	5.2	-
General industrial machinery .....	356	41.2	42.0	42.4	42.2	-	3.6	4.0	4.5	4.4	-
Pumps and pumping equipment .....	3561	40.5	41.9	43.3	43.4	-	3.3	4.0	4.6	5.0	-
Ball and roller bearings .....	3562	41.0	41.9	42.5	42.1	-	3.7	4.4	5.3	5.3	-
Air and gas compressors .....	3563	42.9	42.7	42.5	42.0	-	4.6	4.3	4.0	3.9	-
Blowers and fans .....	3564	39.6	40.8	41.9	40.4	-	3.0	3.1	4.6	3.3	-
Speed changers, drives, and gears .....	3566	42.6	43.0	42.3	43.3	-	5.1	5.1	5.3	5.2	-
Power transmission equipment, nec .....	3568	40.8	42.1	42.4	42.2	-	3.5	4.2	4.1	4.6	-
Computer and office equipment .....	357	41.6	42.1	42.3	42.3	-	3.3	3.7	3.3	3.6	-
Electronic computers .....	3571	40.8	41.1	42.4	43.2	-	3.5	3.7	3.3	3.9	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	42.4	43.5	41.5	42.0	-	3.2	4.1	3.6	3.9	-
Refrigeration and service machinery .....	358	40.5	41.2	41.4	42.4	-	3.0	3.4	4.7	4.8	-
Refrigeration and heating equipment .....	3585	40.8	41.3	41.5	43.1	-	3.2	3.6	5.1	5.3	-
Misc. industrial and commercial machinery .....	359	41.0	42.4	42.1	42.3	-	3.7	4.5	4.6	4.8	-
Carburetors, pistons, rings, valves .....	3592	39.5	41.9	42.0	42.6	-	3.1	3.6	4.4	5.1	-
Scales, balances, and industrial machinery, nec .....	3596,9	41.2	42.5	42.1	42.2	-	3.9	4.7	4.7	4.8	-
Electronic and other electrical equipment .....	36	40.8	41.4	41.7	41.6	42.0	3.4	3.6	3.8	4.0	-
Electric distribution equipment .....	361	40.9	41.3	41.3	41.1	-	3.2	3.5	3.8	4.1	-
Transformers, except electronic .....	3612	40.0	40.6	41.2	40.9	-	3.2	3.5	4.0	4.3	-
Switchgear and switchboard apparatus .....	3613	41.9	42.1	41.4	41.3	-	3.2	3.5	3.7	3.8	-
Electrical industrial apparatus .....	362	41.2	41.1	41.8	41.7	-	2.7	2.8	3.2	3.4	-
Motors and generators .....	3621	41.2	40.9	41.6	42.0	-	2.6	2.9	3.0	3.5	-
Relays and industrial controls .....	3625	40.5	41.0	41.8	40.8	-	2.4	2.3	2.9	2.9	-
Household appliances .....	363	39.6	40.3	40.5	40.6	-	2.9	2.9	2.9	3.2	-
Household refrigerators and freezers .....	3632	38.7	38.6	41.6	41.6	-	2.6	1.3	2.6	2.8	-
Household laundry equipment .....	3633	38.8	39.7	39.3	39.7	-	1.7	1.8	2.4	1.9	-
Electric housewares and fans .....	3634	41.1	41.6	41.2	41.5	-	3.7	4.0	3.9	4.3	-
Electric lighting and wiring equipment .....	364	40.5	41.1	41.3	41.3	-	3.0	3.4	3.7	3.7	-
Electric lamps .....	3641	42.5	43.2	43.4	44.1	-	3.3	3.8	4.3	4.5	-
Current-carrying wiring devices .....	3643	39.9	39.8	40.0	40.3	-	2.6	2.7	3.0	3.1	-
Noncurrent-carrying wiring devices .....	3644	43.4	43.4	40.9	41.6	-	3.9	4.3	2.7	3.8	-
Residential lighting fixtures .....	3645	37.5	38.9	40.1	40.1	-	2.3	2.7	3.2	3.4	-
Household audio and video equipment .....	365	41.4	41.8	42.2	41.2	-	4.2	4.4	4.7	4.2	-
Household audio and video equipment .....	3651	40.8	41.5	41.3	40.1	-	3.6	3.4	3.7	3.5	-
Communications equipment .....	366	41.0	42.9	43.4	43.1	-	3.3	4.0	3.5	4.1	-
Telephone and telegraph apparatus .....	3661	42.4	44.9	44.5	44.0	-	4.2	5.0	3.3	3.8	-
Electronic components and accessories .....	367	40.7	41.1	41.2	41.2	-	3.7	3.9	4.0	4.1	-
Electron tubes .....	3671	40.7	41.6	42.0	41.7	-	3.3	3.5	4.2	4.7	-
Semiconductors and related devices .....	3674	42.9	42.4	42.1	42.3	-	5.1	5.1	5.0	4.9	-
Electronic components, nec .....	3679	38.7	39.4	40.1	40.3	-	2.4	2.6	3.1	3.4	-
Misc. electrical equipment and supplies .....	369	41.6	42.2	42.5	42.7	-	3.5	3.7	4.6	5.2	-
Storage batteries .....	3691	42.8	43.6	43.8	44.4	-	4.3	3.8	5.1	6.8	-
Engine electrical equipment .....	3694	41.4	41.8	43.1	43.2	-	3.3	3.5	5.0	5.2	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Durable goods—Continued</b>											
Industrial machinery and equipment .....	35	\$12.46	\$12.49	\$12.74	\$12.83	\$12.83	\$517.09	\$529.58	\$542.72	\$546.56	\$554.26
Engines and turbines .....	351	15.86	15.93	16.05	16.21	-	677.22	691.36	698.18	726.21	-
Turbines and turbine generator sets .....	3511	16.57	16.65	16.75	17.12	-	712.51	739.26	720.25	780.67	-
Internal combustion engines, nec .....	3519	15.54	15.60	15.75	15.81	-	662.00	669.24	688.28	703.55	-
Farm and garden machinery .....	352	11.97	11.63	12.11	12.27	-	472.82	477.99	518.31	512.89	-
Farm machinery and equipment .....	3523	12.72	12.48	13.01	13.23	-	511.34	525.41	558.13	567.57	-
Construction and related machinery .....	353	12.71	12.65	12.91	13.01	-	549.07	556.60	565.46	568.54	-
Construction machinery .....	3531	14.34	14.17	14.23	14.34	-	632.39	627.73	621.85	623.79	-
Mining machinery .....	3532	12.67	12.59	13.21	13.38	-	513.14	503.60	537.65	561.96	-
Oil and gas field machinery .....	3533	11.42	11.47	11.97	12.12	-	517.33	541.38	562.59	566.00	-
Conveyors and conveying equipment .....	3535	11.46	11.59	11.92	11.94	-	489.34	504.17	519.71	522.97	-
Industrial trucks and tractors .....	3537	11.00	11.05	11.29	11.32	-	441.10	454.16	466.28	473.18	-
Metalworking machinery .....	354	12.97	13.06	13.28	13.44	-	542.15	562.89	571.04	573.89	-
Machine tools, metal cutting types .....	3541	13.46	13.40	13.56	13.68	-	547.82	574.86	573.59	581.40	-
Machine tools, metal forming types .....	3542	13.10	13.08	13.39	13.63	-	547.58	561.13	565.06	587.45	-
Special dies, tools, jigs, and fixtures .....	3544	13.49	13.59	13.87	14.06	-	573.33	595.24	603.35	607.39	-
Machine tool accessories .....	3545	11.57	11.65	11.66	11.72	-	479.00	491.63	490.89	492.24	-
Power driven handtools .....	3546	10.55	10.56	10.94	11.02	-	438.88	447.74	471.51	462.84	-
Special industry machinery .....	355	12.86	12.82	13.10	13.25	-	531.12	541.00	555.44	561.80	-
Textile machinery .....	3552	10.84	10.89	11.28	11.28	-	454.20	462.83	469.25	469.25	-
Printing trades machinery .....	3555	14.97	14.43	14.71	15.17	-	618.26	584.42	598.70	644.73	-
Food products machinery .....	3556	12.63	12.59	12.79	13.03	-	522.88	528.78	548.69	551.17	-
General industrial machinery .....	356	12.10	12.18	12.44	12.63	-	498.52	511.56	527.46	532.99	-
Pumps and pumping equipment .....	3561	12.94	13.03	13.36	13.61	-	524.07	545.96	578.49	590.67	-
Ball and roller bearings .....	3562	13.04	13.14	13.65	13.95	-	534.64	550.57	580.13	587.30	-
Air and gas compressors .....	3563	12.19	12.23	12.35	12.63	-	522.95	522.22	524.88	530.46	-
Blowers and fans .....	3564	10.29	10.30	10.51	10.55	-	407.48	420.24	440.37	426.22	-
Speed changers, drives, and gears .....	3566	12.83	12.81	13.36	13.64	-	546.56	550.83	565.13	590.61	-
Power transmission equipment, nec .....	3568	11.80	12.07	12.33	12.56	-	481.44	508.15	522.79	530.03	-
Computer and office equipment .....	357	12.18	12.28	12.74	12.66	-	506.69	516.99	538.90	535.52	-
Electronic computers .....	3571	12.86	12.92	14.16	13.74	-	524.69	531.01	600.38	593.57	-
Computer terminals, calculators, and office machines, nec .....	3575,8,9	12.21	12.55	12.43	12.62	-	517.70	545.93	515.85	530.04	-
Refrigeration and service machinery .....	358	11.38	11.41	11.51	11.46	-	460.89	470.09	476.51	485.90	-
Refrigeration and heating equipment .....	3585	11.49	11.57	11.69	11.58	-	468.79	477.84	485.14	499.10	-
Misc. industrial and commercial machinery .....	359	11.89	11.93	12.17	12.23	-	487.49	505.83	512.36	517.33	-
Carburetors, pistons, rings, valves .....	3592	12.70	13.02	13.06	13.25	-	501.65	545.54	548.52	564.45	-
Scales, balances, and industrial machinery, nec .....	3596,9	11.58	11.60	11.85	11.90	-	477.10	493.00	498.89	502.18	-
Electronic and other electrical equipment .....	36	11.03	11.03	11.25	11.31	11.32	450.02	456.64	469.13	470.50	475.44
Electric distribution equipment .....	361	10.94	10.86	11.11	11.23	-	447.45	448.52	458.84	461.55	-
Transformers, except electronic .....	3612	10.60	10.46	10.55	10.79	-	424.00	424.68	434.66	441.31	-
Switchgear and switchboard apparatus .....	3613	11.27	11.26	11.70	11.68	-	472.21	474.05	484.38	482.38	-
Electrical industrial apparatus .....	362	10.39	10.40	10.73	10.71	-	428.07	427.44	448.51	446.61	-
Motors and generators .....	3621	9.82	9.87	9.93	9.92	-	404.58	403.68	413.09	416.64	-
Relays and industrial controls .....	3625	11.33	11.30	12.15	12.19	-	458.87	463.30	507.87	497.35	-
Household appliances .....	363	10.49	10.44	10.44	10.46	-	415.40	420.73	422.82	424.68	-
Household refrigerators and freezers .....	3632	11.33	11.36	11.42	11.41	-	438.47	438.50	475.07	474.66	-
Household laundry equipment .....	3633	12.83	12.89	12.66	12.66	-	497.80	511.73	497.54	502.60	-
Electric housewares and fans .....	3634	8.06	8.13	8.30	8.39	-	331.27	338.21	341.96	348.19	-
Electric lighting and wiring equipment .....	364	10.84	10.84	10.96	10.91	-	439.02	445.52	452.65	450.58	-
Electric lamps .....	3641	12.06	11.93	11.72	11.61	-	512.55	515.38	508.65	512.00	-
Current-carrying wiring devices .....	3643	10.71	10.74	10.92	10.85	-	427.33	427.45	436.80	437.26	-
Noncurrent-carrying wiring devices .....	3644	10.20	10.23	10.57	10.66	-	442.68	443.98	432.31	443.46	-
Residential lighting fixtures .....	3645	8.19	8.14	8.30	8.35	-	307.13	316.65	332.83	334.84	-
Household audio and video equipment .....	365	10.67	10.61	10.90	11.08	-	441.74	443.50	459.98	456.50	-
Household audio and video equipment .....	3651	11.02	10.98	11.29	11.56	-	449.62	455.67	466.28	463.56	-
Communications equipment .....	366	11.59	11.53	11.57	11.72	-	475.19	494.64	502.14	505.13	-
Telephone and telegraph apparatus .....	3661	12.29	12.18	12.36	12.65	-	521.10	546.88	550.02	556.60	-
Electronic components and accessories .....	367	10.94	11.00	11.30	11.31	-	445.26	452.10	465.56	465.97	-
Electron tubes .....	3671	12.72	12.52	13.08	13.31	-	517.70	520.83	549.36	555.03	-
Semiconductors and related devices .....	3674	13.66	14.08	14.59	14.49	-	586.01	596.99	614.24	612.93	-
Electronic components, nec .....	3679	9.81	9.63	9.50	9.53	-	379.65	379.42	380.95	384.06	-
Misc. electrical equipment and supplies .....	369	12.26	12.21	12.61	12.85	-	510.02	515.26	535.93	548.70	-
Storage batteries .....	3691	13.28	13.10	13.72	14.61	-	568.38	571.16	600.94	648.68	-
Engine electrical equipment .....	3694	12.92	12.92	13.33	13.39	-	534.89	540.06	574.52	578.45	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	41.1	42.0	42.8	43.1	44.0	3.6	4.0	4.7	5.1	-
Motor vehicles and equipment .....	371	41.4	42.6	44.1	44.6	45.6	3.9	4.4	5.7	6.3	-
Motor vehicles and car bodies .....	3711	40.0	42.2	43.7	45.2	-	3.3	4.1	5.6	6.5	-
Truck and bus bodies .....	3713	42.7	42.0	44.0	44.6	-	4.3	3.6	4.6	5.9	-
Motor vehicle parts and accessories .....	3714	42.4	43.0	44.5	44.5	-	4.4	4.7	6.1	6.5	-
Truck trailers .....	3715	40.9	42.4	43.3	42.5	-	3.6	4.1	4.2	5.1	-
Aircraft and parts .....	372	41.2	41.9	41.5	41.6	-	3.7	4.0	4.0	4.1	-
Aircraft .....	3721	41.3	41.9	40.5	41.2	-	3.8	3.9	3.7	3.8	-
Aircraft engines and engine parts .....	3724	42.2	42.2	43.5	43.1	-	4.3	4.4	5.0	5.0	-
Aircraft parts and equipment, nec .....	3728	40.2	41.8	41.8	41.0	-	3.2	3.8	3.8	3.9	-
Ship and boat building and repairing .....	373	39.9	40.2	39.7	39.8	-	3.1	3.1	2.5	2.4	-
Ship building and repairing .....	3731	40.4	40.9	40.0	40.1	-	3.5	3.3	2.3	2.3	-
Boat building and repairing .....	3732	38.5	38.5	39.1	39.1	-	2.1	2.5	2.9	2.6	-
Railroad equipment .....	374	40.1	41.4	42.3	42.2	-	2.6	3.2	3.6	3.5	-
Guided missiles, space vehicles, and parts .....	376	40.3	41.2	41.3	41.9	-	2.6	3.1	2.9	3.1	-
Guided missiles and space vehicles .....	3761	40.2	41.0	42.0	42.6	-	2.9	3.4	3.2	3.5	-
Misc. transportation equipment .....	379	39.2	40.9	40.1	40.4	-	1.8	2.8	2.9	3.2	-
Travel trailers and campers .....	3792	38.7	41.7	39.3	39.0	-	.8	2.4	2.1	2.1	-
Instruments and related products .....	38	40.8	41.2	40.7	40.9	41.1	2.7	2.7	2.8	2.9	-
Search and navigation equipment .....	381	40.7	40.7	40.1	40.6	-	2.0	1.9	2.0	2.2	-
Measuring and controlling devices .....	382	40.5	40.9	40.9	41.0	-	2.5	2.4	2.6	2.6	-
Environmental controls .....	3822	39.3	39.9	39.9	40.7	-	2.8	2.3	2.9	3.5	-
Process control instruments .....	3823	41.6	41.6	41.4	41.2	-	3.1	2.7	2.2	2.2	-
Instruments to measure electricity .....	3825	39.4	41.0	41.4	41.7	-	1.5	2.0	2.2	2.2	-
Medical instruments and supplies .....	384	40.9	41.3	40.7	40.8	-	2.8	3.0	2.8	3.0	-
Surgical and medical instruments .....	3841	41.7	42.5	41.3	41.1	-	2.7	3.2	2.9	3.0	-
Surgical appliances and supplies .....	3842	39.8	39.9	39.9	40.4	-	2.7	2.8	2.5	2.8	-
Ophthalmic goods .....	385	38.5	39.4	40.2	39.6	-	1.8	2.3	3.0	2.8	-
Photographic equipment and supplies .....	386	43.6	43.4	41.0	41.9	-	4.4	4.5	4.2	4.6	-
Watches, clocks, watchcases, and parts .....	387	37.9	41.7	43.4	42.8	-	1.4	2.3	3.4	3.2	-
Miscellaneous manufacturing industries .....	39	39.4	40.6	39.7	39.9	40.2	2.7	3.5	2.9	3.1	-
Jewelry, silverware, and plated ware .....	391	38.1	39.1	37.8	38.7	-	2.8	3.1	1.7	2.5	-
Jewelry, precious metal .....	3911	37.6	39.1	37.2	38.1	-	2.9	3.1	1.6	2.3	-
Musical instruments .....	393	39.1	39.4	39.3	39.9	-	1.9	1.9	1.7	1.8	-
Toys and sporting goods .....	394	39.9	41.4	39.9	39.8	-	2.9	4.0	3.0	2.9	-
Dolls, games, toys, and children's vehicles .....	3942, 4	39.3	40.9	38.5	38.9	-	2.8	4.0	2.1	2.8	-
Sporting and athletic goods, nec .....	3949	40.3	41.7	40.7	40.3	-	2.9	3.9	3.6	3.0	-
Pens, pencils, office, and art supplies .....	395	39.3	40.0	40.4	40.3	-	2.1	2.2	2.9	2.9	-
Costume jewelry and notions .....	396	40.6	42.0	40.2	40.0	-	2.9	4.4	3.6	3.4	-
Costume jewelry .....	3961	41.4	43.0	39.5	39.8	-	3.4	5.0	3.4	3.7	-
Miscellaneous manufactures .....	399	39.3	40.3	40.1	40.3	-	2.8	3.4	3.3	3.6	-
Signs and advertising specialties .....	3993	39.9	40.6	40.3	40.8	-	3.5	4.3	3.3	3.7	-
<b>Nondurable goods .....</b>		<b>40.8</b>	<b>40.7</b>	<b>40.7</b>	<b>40.9</b>	<b>40.9</b>	<b>4.3</b>	<b>4.1</b>	<b>4.2</b>	<b>4.5</b>	<b>4.3</b>
Food and kindred products .....	20	41.5	41.2	41.2	41.4	41.4	5.3	5.0	5.2	5.4	-
Meat products .....	201	41.1	40.7	40.5	40.9	-	4.6	4.8	4.3	4.5	-
Meat packing plants .....	2011	42.5	42.8	41.6	42.3	-	5.7	6.5	4.9	5.4	-
Sausages and other prepared meats .....	2013	42.6	41.5	42.4	42.6	-	5.5	5.1	5.7	5.8	-
Poultry slaughtering and processing .....	2015	39.8	39.2	39.2	39.5	-	3.6	3.7	3.5	3.4	-
Dairy products .....	202	43.2	41.0	41.7	42.5	-	5.5	4.1	4.4	5.0	-
Cheese, natural and processed .....	2022	41.9	40.2	40.4	42.1	-	4.9	3.6	3.5	4.6	-
Fluid milk .....	2026	44.7	42.0	42.0	42.9	-	6.1	4.3	4.5	5.2	-
Preserved fruits and vegetables .....	203	41.6	41.4	41.0	41.4	-	6.2	5.6	6.2	6.4	-
Canned specialties .....	2032	47.2	46.7	44.8	46.3	-	9.5	10.1	6.5	7.2	-
Canned fruits and vegetables .....	2033	42.3	40.8	41.8	42.5	-	7.1	5.5	7.2	7.5	-
Frozen fruits and vegetables .....	2037	40.2	41.8	39.8	39.7	-	5.2	5.4	5.4	5.1	-
Grain mill products .....	204	45.6	45.3	44.7	45.4	-	8.2	7.6	6.8	8.0	-
Flour and other grain mill products .....	2041	49.3	50.3	47.3	47.6	-	8.7	8.8	7.3	7.8	-
Prepared feeds, nec .....	2048	44.9	44.2	43.0	43.3	-	6.7	6.8	6.1	6.9	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Durable goods—Continued</b>											
Transportation equipment .....	37	\$15.33	\$15.34	\$15.71	\$16.03	\$16.06	\$630.06	\$644.28	\$672.39	\$690.89	\$706.64
Motor vehicles and equipment .....	371	15.53	15.51	15.93	16.39	16.44	642.94	660.73	702.51	730.99	749.66
Motor vehicles and car bodies .....	3711	18.32	18.47	19.23	19.59	-	732.80	779.43	840.35	885.47	-
Truck and bus bodies .....	3713	14.20	13.75	13.60	14.48	-	606.34	577.50	598.40	645.81	-
Motor vehicle parts and accessories .....	3714	14.36	14.26	14.67	15.06	-	608.86	613.18	652.82	670.17	-
Truck trailers .....	3715	9.75	9.70	9.72	9.74	-	398.78	411.28	420.88	413.95	-
Aircraft and parts .....	372	16.77	16.89	17.29	17.43	-	690.92	707.69	717.54	725.09	-
Aircraft .....	3721	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	-	-	-	-	-	-
Aircraft engines and engine parts .....	3724	\$16.34	\$16.36	\$16.53	\$16.96	-	\$689.55	\$690.39	\$719.06	\$730.98	-
Aircraft parts and equipment, nec .....	3728	15.13	15.41	15.97	16.00	-	608.23	644.14	667.55	656.00	-
Ship and boat building and repairing .....	373	12.21	12.10	12.42	12.30	-	487.18	486.42	493.07	489.54	-
Ship building and repairing .....	3731	13.21	13.04	13.53	13.40	-	533.68	533.34	541.20	537.34	-
Boat building and repairing .....	3732	9.61	9.68	9.89	9.85	-	369.99	372.68	386.70	385.14	-
Railroad equipment .....	374	14.54	14.57	14.86	14.96	-	583.05	603.20	628.58	631.31	-
Guided missiles, space vehicles, and parts .....	376	16.15	16.20	16.86	17.11	-	650.85	667.44	696.32	716.91	-
Guided missiles and space vehicles .....	3761	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	( <sup>b</sup> )	-	-	-	-	-	-
Misc. transportation equipment .....	379	\$10.93	\$11.01	\$11.18	\$11.18	-	\$428.46	\$450.31	\$448.32	\$451.67	-
Travel trailers and campers .....	3792	9.98	10.22	11.02	11.01	-	386.23	426.17	433.09	429.39	-
Instruments and related products .....	38	11.99	12.00	12.26	12.35	12.36	489.19	494.40	498.98	505.12	508.00
Search and navigation equipment .....	381	15.76	15.82	16.33	16.55	-	641.43	643.87	654.83	671.93	-
Measuring and controlling devices .....	382	11.63	11.74	12.18	12.23	-	471.02	480.17	498.16	501.43	-
Environmental controls .....	3822	10.00	10.05	10.58	10.76	-	393.00	401.00	422.14	437.93	-
Process control instruments .....	3823	11.49	11.50	11.81	11.72	-	477.98	478.40	488.93	482.86	-
Instruments to measure electricity .....	3825	12.37	12.68	13.52	13.45	-	487.38	519.86	559.73	560.87	-
Medical instruments and supplies .....	384	10.58	10.60	10.85	10.87	-	432.72	437.78	441.60	443.50	-
Surgical and medical instruments .....	3841	10.76	10.72	10.70	10.70	-	448.69	455.60	441.91	439.77	-
Surgical appliances and supplies .....	3842	10.05	10.05	10.18	10.20	-	399.99	401.00	406.18	412.08	-
Ophthalmic goods .....	385	8.43	8.40	8.87	8.88	-	324.56	330.96	356.57	351.65	-
Photographic equipment and supplies .....	386	14.70	14.63	14.69	14.85	-	640.92	634.94	602.29	622.22	-
Watches, clocks, watchcases, and parts .....	387	7.76	7.72	8.17	8.40	-	294.10	321.92	354.58	359.52	-
Miscellaneous manufacturing industries .....	39	9.15	9.20	9.31	9.42	9.37	360.51	373.52	369.61	375.86	376.67
Jewelry, silverware, and plated ware .....	391	9.52	9.65	9.60	9.64	-	362.71	377.32	362.88	373.07	-
Jewelry, precious metal .....	3911	9.46	9.62	9.44	9.57	-	355.70	376.14	351.17	364.62	-
Musical instruments .....	393	8.87	8.83	9.23	9.44	-	346.82	347.90	362.74	376.66	-
Toys and sporting goods .....	394	8.64	8.71	8.71	8.88	-	344.74	360.59	347.53	353.42	-
Dolls, games, toys, and children's vehicles .....	3942.4	8.28	8.32	8.52	8.65	-	325.40	340.29	328.02	336.49	-
Sporting and athletic goods, nec .....	3949	8.86	8.97	8.83	9.02	-	357.06	374.05	359.38	363.51	-
Pens, pencils, office, and art supplies .....	395	9.89	9.89	10.29	10.33	-	388.68	395.60	415.72	416.30	-
Costume jewelry and notions .....	396	7.83	7.89	8.19	8.19	-	317.90	331.38	329.24	327.60	-
Costume jewelry .....	3961	6.99	7.03	7.24	7.32	-	289.39	302.29	285.98	291.34	-
Miscellaneous manufactures .....	399	9.61	9.65	9.71	9.84	-	377.67	388.90	389.37	396.55	-
Signs and advertising specialties .....	3993	10.05	10.11	10.00	10.21	-	401.00	410.47	403.00	416.57	-
<b>Nondurable goods .....</b>		<b>10.85</b>	<b>10.76</b>	<b>10.97</b>	<b>11.10</b>	<b>11.04</b>	<b>442.68</b>	<b>437.93</b>	<b>446.48</b>	<b>453.99</b>	<b>451.54</b>
Food and kindred products .....	20	10.22	10.12	10.40	10.49	10.38	424.13	416.94	428.48	434.29	429.73
Meat products .....	201	8.39	8.32	8.52	8.62	-	344.83	338.62	345.06	352.56	-
Meat packing plants .....	2011	9.27	9.17	9.34	9.39	-	393.98	392.48	388.54	397.20	-
Sausages and other prepared meats .....	2013	9.64	9.62	9.88	10.11	-	410.66	399.23	418.91	430.69	-
Poultry slaughtering and processing .....	2015	7.34	7.26	7.47	7.55	-	292.13	284.59	292.82	298.23	-
Dairy products .....	202	11.58	11.38	11.67	11.81	-	500.26	466.58	486.64	501.93	-
Cheese, natural and processed .....	2022	10.44	10.31	10.48	10.63	-	437.44	414.46	423.39	447.52	-
Fluid milk .....	2026	12.39	12.15	12.35	12.55	-	553.83	510.30	518.70	538.40	-
Preserved fruits and vegetables .....	203	9.53	9.47	9.97	9.94	-	396.45	392.06	408.77	411.52	-
Canned specialties .....	2032	12.88	12.69	12.86	13.24	-	607.94	592.62	576.13	613.01	-
Canned fruits and vegetables .....	2033	9.54	9.32	10.33	9.88	-	403.54	380.26	431.79	419.90	-
Frozen fruits and vegetables .....	2037	8.50	8.64	8.75	8.90	-	341.70	361.15	348.25	353.33	-
Grain mill products .....	204	12.51	12.29	12.57	12.92	-	570.46	556.74	561.88	586.57	-
Flour and other grain mill products .....	2041	10.95	10.81	10.51	10.58	-	539.84	543.74	497.12	503.61	-
Prepared feeds, nec .....	2048	9.98	9.90	10.14	10.33	-	448.10	437.58	436.02	447.29	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	39.6	39.7	40.0	40.3	-	4.6	4.4	4.8	4.8	-
Bread, cake, and related products .....	2051	39.1	38.9	39.4	39.7	-	4.8	4.2	4.5	4.6	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	40.6	41.3	41.3	41.4	-	4.3	4.7	5.3	5.2	-
Sugar and confectionery products .....	206	40.8	41.4	40.7	40.6	-	4.5	4.5	4.3	4.6	-
Raw cane sugar .....	2061	38.6	42.3	45.7	46.3	-	4.5	7.6	6.4	8.4	-
Cane sugar refining .....	2062	48.4	47.8	45.8	47.8	-	10.4	10.2	10.1	10.9	-
Beet sugar .....	2063	42.5	43.7	39.3	38.9	-	6.4	7.4	5.0	5.7	-
Candy and other confectionery products .....	2064	38.8	39.6	39.5	39.3	-	2.9	2.9	3.4	3.6	-
Fats and oils .....	207	44.7	44.6	43.9	44.3	-	6.7	6.7	6.0	6.7	-
Beverages .....	208	41.9	41.3	41.8	41.6	-	5.3	4.4	5.7	5.9	-
Malt beverages .....	2082	42.5	43.2	42.5	42.3	-	7.3	6.8	7.4	8.1	-
Bottled and canned soft drinks .....	2086	40.9	40.0	43.0	42.0	-	4.1	3.6	5.8	4.9	-
Misc. food and kindred products .....	209	40.0	40.5	41.1	40.7	-	4.8	4.5	5.5	5.2	-
Tobacco products .....	21	38.6	38.4	37.3	38.2	38.7	2.6	2.2	1.9	2.1	-
Cigarettes .....	211	38.1	37.8	37.2	36.5	-	3.2	2.6	1.7	1.5	-
Textile mill products .....	22	41.6	41.2	41.8	42.0	41.8	4.4	4.3	4.7	4.9	-
Broadwoven fabric mills, cotton .....	221	43.7	42.0	42.4	43.0	-	7.1	5.8	6.1	6.7	-
Broadwoven fabric mills, synthetics .....	222	42.6	41.2	42.0	42.1	-	4.4	3.9	4.5	4.8	-
Broadwoven fabric mills, wool .....	223	40.3	39.9	43.5	45.2	-	4.4	4.5	5.7	7.6	-
Narrow fabric mills .....	224	39.5	39.6	40.0	39.7	-	2.7	2.9	3.0	3.1	-
Knitting mills .....	225	39.5	39.8	40.1	40.0	-	3.1	3.3	3.3	3.2	-
Women's hosiery, except socks .....	2251	38.1	37.7	37.1	39.7	-	2.6	3.0	1.9	3.4	-
Hosiery, nec .....	2252	37.0	38.9	39.6	39.3	-	2.1	2.9	3.4	3.5	-
Knit outerwear mills .....	2253	40.2	40.7	40.6	40.1	-	4.0	3.9	3.2	2.9	-
Knit underwear mills .....	2254	40.0	39.8	39.9	38.8	-	1.6	1.9	2.5	1.6	-
Weft knit fabric mills .....	2257	40.7	40.2	40.2	39.9	-	4.0	3.7	3.8	3.4	-
Textile finishing, except wool .....	226	43.1	44.4	43.5	43.3	-	5.6	6.2	6.0	5.7	-
Finishing plants, cotton .....	2261	43.5	46.2	44.3	45.0	-	5.8	7.2	6.4	6.5	-
Finishing plants, synthetics .....	2262	42.8	42.9	42.5	40.5	-	5.6	5.3	5.7	4.4	-
Carpets and rugs .....	227	43.5	42.2	44.1	44.0	-	4.7	4.9	6.5	6.7	-
Yarn and thread mills .....	228	41.0	40.4	41.4	41.7	-	3.8	3.7	4.4	4.5	-
Yarn spinning mills .....	2281	41.5	40.8	41.6	42.0	-	4.0	3.9	4.5	4.6	-
Throwing and winding mills .....	2282	38.0	37.5	38.6	39.6	-	2.3	2.6	3.3	3.6	-
Miscellaneous textile goods .....	229	42.8	43.1	43.4	44.2	-	4.5	4.9	5.1	5.4	-
Apparel and other textile products .....	23	36.7	37.7	37.4	37.0	37.3	1.7	2.1	1.9	1.9	-
Men's and boys' suits and coats .....	231	35.2	35.7	36.1	36.1	-	.8	1.0	1.0	1.3	-
Men's and boys' furnishings .....	232	36.6	37.8	37.3	36.4	-	1.6	1.9	1.5	1.4	-
Men's and boys' shirts .....	2321	36.3	37.7	36.1	34.7	-	1.2	1.4	1.1	.9	-
Men's and boys' trousers and slacks .....	2325	36.0	37.1	37.0	36.0	-	1.5	1.7	1.7	1.6	-
Men's and boys' work clothing .....	2326	36.6	37.9	37.5	36.9	-	1.6	1.8	1.5	1.3	-
Women's and misses' outerwear .....	233	35.7	36.5	36.4	35.6	-	1.5	1.7	1.7	1.5	-
Women's and misses' blouses and shirts .....	2331	35.1	35.9	35.9	35.4	-	.8	1.0	1.1	1.1	-
Women's, juniors', and misses' dresses .....	2335	34.7	35.4	37.0	36.2	-	1.5	1.7	2.4	2.2	-
Women's and misses' suits and coats .....	2337	35.6	34.7	36.7	35.9	-	2.0	1.6	1.6	1.7	-
Women's and misses' outerwear, nec .....	2339	36.1	37.2	36.3	35.4	-	1.6	1.9	1.6	1.3	-
Women's and children's undergarments .....	234	37.6	39.1	38.3	38.0	-	2.2	2.8	1.9	1.9	-
Women's and children's underwear .....	2341	38.3	39.6	38.5	38.4	-	2.3	2.8	2.0	1.9	-
Brassieres, girdles, and allied garments .....	2342	34.7	37.0	37.6	36.2	-	1.7	2.5	1.5	1.9	-
Girls' and children's outerwear .....	236	35.6	36.8	36.7	36.6	-	1.3	1.6	1.6	1.9	-
Girls' and children's dresses and blouses .....	2361	36.0	36.3	36.2	36.1	-	1.5	1.6	1.5	1.7	-
Misc. apparel and accessories .....	238	36.7	38.1	37.2	37.2	-	1.4	1.9	1.6	1.9	-
Misc. fabricated textile products .....	239	38.8	39.8	39.5	39.6	-	2.6	3.2	3.2	3.4	-
Curtains and draperies .....	2391	38.3	38.2	38.8	39.1	-	2.5	2.5	2.5	2.7	-
House furnishings, nec .....	2392	38.6	40.0	39.8	40.3	-	2.7	3.4	3.4	3.9	-
Automotive and apparel trimmings .....	2396	40.1	40.9	40.1	39.9	-	3.3	3.8	3.7	3.6	-
Paper and allied products .....	26	44.4	43.7	43.4	44.1	44.0	6.3	5.5	5.4	6.2	-
Paper mills .....	262	47.5	45.5	44.6	46.2	-	8.3	6.5	6.0	7.5	-
Paperboard mills .....	263	46.8	45.3	44.8	46.4	-	8.5	7.3	6.7	7.9	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Food and kindred products—Continued											
Bakery products .....	205	\$11.63	\$11.49	\$11.75	\$11.78	-	\$460.55	\$456.15	\$470.00	\$474.73	-
Bread, cake, and related products .....	2051	11.57	11.47	11.64	11.67	-	452.39	446.18	458.62	463.30	-
Cookies, crackers, and frozen bakery products, except bread .....	2052,3	11.74	11.54	11.95	11.97	-	476.64	476.60	493.54	495.56	-
Sugar and confectionery products .....	206	10.95	10.55	11.52	11.39	-	446.76	436.77	468.86	462.43	-
Raw cane sugar .....	2061	10.70	10.10	10.66	10.80	-	413.02	427.23	487.16	500.04	-
Cane sugar refining .....	2062	15.63	15.39	16.41	16.28	-	756.49	735.64	751.58	778.18	-
Beet sugar .....	2063	11.70	9.97	13.16	12.41	-	497.25	435.69	517.19	482.75	-
Candy and other confectionery products .....	2064	9.91	9.80	10.38	10.32	-	384.51	388.08	410.01	405.58	-
Fats and oils .....	207	11.13	10.68	11.06	11.06	-	497.51	476.33	485.53	489.96	-
Beverages .....	208	14.54	14.50	14.51	14.70	-	609.23	598.85	606.52	611.52	-
Malt beverages .....	2082	19.80	19.83	19.97	20.49	-	841.50	856.66	848.73	866.73	-
Bottled and canned soft drinks .....	2086	11.86	11.71	11.94	11.96	-	485.07	468.40	513.42	502.32	-
Misc. food and kindred products .....	209	9.37	9.45	9.48	9.60	-	374.80	382.73	389.63	390.72	-
Tobacco products .....	21	16.39	16.09	17.46	16.23	\$15.96	632.65	617.86	651.26	619.99	\$617.65
Cigarettes .....	211	21.19	20.78	21.16	21.34	-	807.34	785.48	787.15	778.91	-
Textile mill products .....	22	8.67	8.65	8.91	8.96	8.97	360.67	356.38	372.44	376.32	374.95
Broadwoven fabric mills, cotton .....	221	9.05	9.00	9.32	9.39	-	395.49	378.00	395.17	403.77	-
Broadwoven fabric mills, synthetics .....	222	9.39	9.27	9.77	9.86	-	400.01	381.92	410.34	415.11	-
Broadwoven fabric mills, wool .....	223	9.11	9.11	9.37	9.53	-	367.13	363.49	407.60	430.76	-
Narrow fabric mills .....	224	8.16	8.10	8.26	8.29	-	322.32	320.76	330.40	329.11	-
Knitting mills .....	225	7.95	7.89	8.13	8.13	-	314.03	314.02	326.01	325.20	-
Women's hosiery, except socks .....	2251	7.46	7.46	7.55	7.71	-	284.23	281.24	280.11	306.09	-
Hosiery, nec .....	2252	7.53	7.61	7.82	7.86	-	278.61	296.03	309.67	308.90	-
Knit outerwear mills .....	2253	7.81	7.60	7.79	7.72	-	313.96	309.32	316.27	309.57	-
Knit underwear mills .....	2254	7.80	7.79	8.22	8.03	-	312.00	310.04	327.98	311.56	-
Wet knit fabric mills .....	2257	8.82	8.74	9.09	9.10	-	358.97	351.35	365.42	363.09	-
Textile finishing, except wool .....	226	9.02	9.13	9.16	9.18	-	388.76	405.37	398.46	397.49	-
Finishing plants, cotton .....	2261	8.98	9.08	9.03	9.05	-	390.63	419.50	400.03	407.25	-
Finishing plants, synthetics .....	2262	9.35	9.45	9.74	9.66	-	400.18	405.41	413.95	391.23	-
Carpets and rugs .....	227	8.57	8.65	8.98	9.03	-	372.80	365.03	396.02	397.32	-
Yarn and thread mills .....	228	8.37	8.40	8.60	8.64	-	343.17	339.36	356.04	360.29	-
Yarn spinning mills .....	2281	8.35	8.36	8.57	8.60	-	346.53	341.09	356.51	361.20	-
Throwing and winding mills .....	2282	8.63	8.69	8.91	9.14	-	327.94	325.88	343.93	361.94	-
Miscellaneous textile goods .....	229	10.16	10.18	10.43	10.48	-	434.85	438.76	452.66	463.22	-
Apparel and other textile products .....	23	7.00	6.98	7.07	7.16	7.15	256.90	263.15	264.42	264.92	266.70
Men's and boys' suits and coats .....	231	7.59	7.62	7.64	7.74	-	267.17	272.03	275.80	279.41	-
Men's and boys' furnishings .....	232	6.56	6.55	6.67	6.75	-	240.10	247.59	248.79	245.70	-
Men's and boys' shirts .....	2321	6.51	6.49	6.64	6.74	-	236.31	244.67	239.70	233.88	-
Men's and boys' trousers and slacks .....	2325	6.40	6.39	6.52	6.64	-	230.40	237.07	241.24	239.04	-
Men's and boys' work clothing .....	2326	6.34	6.39	6.41	6.46	-	232.04	242.18	240.36	238.37	-
Women's and misses' outerwear .....	233	6.63	6.57	6.74	6.77	-	236.69	239.81	245.34	241.01	-
Women's and misses' blouses and shirts .....	2331	6.03	5.99	6.21	6.36	-	211.65	215.04	222.94	225.14	-
Women's, juniors', and misses' dresses .....	2335	7.12	7.03	7.37	7.39	-	247.06	248.86	272.69	267.52	-
Women's and misses' suits and coats .....	2337	7.15	7.07	7.17	7.30	-	254.54	245.33	263.14	262.07	-
Women's and misses' outerwear, nec .....	2339	6.52	6.46	6.59	6.58	-	235.37	240.31	239.22	232.93	-
Women's and children's undergarments .....	234	6.87	6.75	6.82	6.91	-	258.31	263.93	261.21	262.58	-
Women's and children's underwear .....	2341	6.70	6.59	6.65	6.71	-	256.61	260.96	256.03	257.66	-
Brassieres, girdles, and allied garments .....	2342	7.71	7.54	7.57	7.83	-	267.54	278.98	284.63	283.45	-
Girls' and children's outerwear .....	236	6.31	6.30	6.41	6.41	-	224.64	231.84	235.25	234.61	-
Girls' and children's dresses and blouses .....	2361	6.31	6.23	6.43	6.36	-	227.16	226.15	232.77	229.60	-
Misc. apparel and accessories .....	238	6.82	6.89	6.89	6.99	-	250.29	262.51	256.31	260.03	-
Misc. fabricated textile products .....	239	8.26	8.27	8.18	8.31	-	320.49	329.15	323.11	329.08	-
Curtains and draperies .....	2391	7.09	7.08	7.14	7.24	-	271.55	270.46	277.03	283.08	-
House furnishings, nec .....	2392	7.13	7.14	7.33	7.42	-	275.22	285.60	291.73	299.03	-
Automotive and apparel trimmings .....	2396	11.00	11.04	10.16	10.44	-	441.10	451.54	407.42	416.56	-
Paper and allied products .....	26	13.33	13.15	13.41	13.68	13.59	591.85	574.66	581.99	603.29	597.96
Paper mills .....	262	16.49	16.20	16.66	17.07	-	783.28	737.10	743.04	788.63	-
Paperboard mills .....	263	16.60	16.64	16.68	17.16	-	776.88	753.79	747.26	796.22	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	43.0	43.5	43.5	43.3	-	5.4	5.3	5.4	5.9	-
Corrugated and solid fiber boxes .....	2653	44.0	44.4	44.6	44.0	-	6.1	5.7	6.2	6.8	-
Sanitary food containers .....	2656	40.7	42.1	42.8	42.0	-	3.6	3.9	4.7	4.2	-
Folding paperboard boxes .....	2657	42.9	43.0	42.8	43.3	-	5.5	5.5	4.8	5.1	-
Misc. converted paper products .....	267	42.6	42.1	42.0	42.4	-	5.0	4.5	4.7	5.0	-
Paper, coated and laminated, nec .....	2672	42.4	41.8	42.7	42.8	-	4.0	3.6	3.9	4.0	-
Bags: plastics, laminated, and coated .....	2673	43.4	41.8	42.4	43.4	-	6.3	4.9	5.3	6.3	-
Envelopes .....	2677	41.0	41.7	41.4	41.2	-	3.8	3.9	3.7	3.8	-
Printing and publishing .....	27	38.6	38.3	38.3	38.7	38.5	3.4	3.3	3.2	3.6	-
Newspapers .....	271	33.7	33.0	32.8	33.2	-	1.4	1.2	1.2	1.4	-
Periodicals .....	272	38.3	38.4	37.5	38.2	-	3.5	3.2	2.1	3.1	-
Books .....	273	39.6	39.4	39.9	40.5	-	3.6	3.3	3.8	4.5	-
Book publishing .....	2731	38.0	37.6	38.9	38.4	-	2.0	1.9	2.2	2.3	-
Book printing .....	2732	41.6	41.6	41.0	42.8	-	5.5	4.9	5.6	7.0	-
Miscellaneous publishing .....	274	35.6	35.3	37.4	36.1	-	1.8	1.8	2.3	1.9	-
Commercial printing .....	275	40.6	40.2	40.0	40.4	-	4.5	4.3	4.0	4.6	-
Commercial printing, lithographic .....	2752	40.8	40.3	39.9	40.4	-	4.6	4.3	4.0	4.5	-
Commercial printing, nec .....	2759	39.5	39.5	39.6	39.9	-	3.8	3.8	3.5	4.1	-
Manifold business forms .....	276	41.1	41.5	41.5	41.2	-	3.6	3.8	4.2	3.9	-
Blankbooks and bookbinding .....	278	38.4	38.0	39.4	39.8	-	2.6	2.5	2.7	2.9	-
Printing trade services .....	279	39.2	39.5	39.6	39.6	-	4.2	4.6	4.2	4.2	-
Chemicals and allied products .....	28	43.4	42.7	42.9	43.4	43.1	5.1	4.7	4.8	5.3	-
Industrial inorganic chemicals .....	281	43.9	43.6	43.0	43.9	-	6.1	5.1	4.9	5.7	-
Industrial inorganic chemicals, nec .....	2819	43.6	43.7	42.6	43.2	-	6.1	5.0	5.1	5.8	-
Plastics materials and synthetics .....	282	45.1	43.9	43.7	45.0	-	6.4	5.9	5.9	7.1	-
Plastics materials and resins .....	2821	45.6	44.5	44.3	45.7	-	7.1	6.4	6.2	7.4	-
Organic fibers, noncellulosic .....	2824	45.0	43.1	43.1	44.9	-	5.0	4.9	5.5	7.3	-
Drugs .....	283	42.2	41.7	41.3	41.2	-	4.0	4.2	3.7	3.8	-
Pharmaceutical preparations .....	2834	41.9	41.4	41.1	40.8	-	4.0	4.1	3.6	3.7	-
Soap, cleaners, and toilet goods .....	284	40.8	40.8	41.7	41.4	-	3.7	3.3	3.9	3.7	-
Soap and other detergents .....	2841	41.5	41.7	42.4	43.1	-	5.0	5.1	4.9	4.7	-
Polishing, sanitation, and finishing preparations .....	2842,3	40.8	40.7	41.3	41.4	-	3.5	3.4	4.2	4.4	-
Toilet preparations .....	2844	40.4	40.2	41.5	40.4	-	3.0	2.3	3.1	2.8	-
Paints and allied products .....	285	41.5	41.0	43.0	42.5	-	3.1	2.9	4.6	4.5	-
Industrial organic chemicals .....	286	46.4	44.9	44.9	46.4	-	6.8	6.3	6.0	6.9	-
Cyclic crudes and intermediates .....	2865	45.8	44.4	44.3	46.2	-	8.2	7.3	7.6	9.0	-
Industrial organic chemicals, nec .....	2869	46.5	45.1	45.1	46.4	-	6.4	6.0	5.6	6.4	-
Agricultural chemicals .....	287	46.5	44.5	44.6	45.9	-	6.5	5.6	5.9	6.3	-
Miscellaneous chemical products .....	289	42.2	42.1	42.8	42.9	-	4.3	4.0	4.6	5.0	-
Petroleum and coal products .....	29	43.8	44.7	44.1	44.2	44.3	6.2	7.1	6.1	6.3	-
Petroleum refining .....	291	43.2	44.4	43.4	43.9	-	5.3	6.5	4.9	5.3	-
Asphalt paving and roofing materials .....	295	46.7	47.1	47.1	46.2	-	10.2	10.0	10.3	9.9	-
Rubber and misc. plastics products .....	30	41.6	41.7	41.7	41.7	42.0	4.2	4.4	4.4	4.6	-
Tires and inner tubes .....	301	45.5	45.1	43.8	44.0	-	6.9	7.0	6.9	6.8	-
Rubber and plastics footwear .....	302	42.4	42.8	42.5	40.9	-	3.1	3.8	3.8	2.5	-
Hose, belting, gaskets, and packing .....	305	41.1	41.6	41.5	40.6	-	3.8	4.0	4.1	3.6	-
Rubber and plastics hose and belting .....	3052	41.2	42.3	42.5	41.9	-	4.4	4.4	4.7	4.0	-
Fabricated rubber products, nec .....	306	40.9	41.2	40.9	40.6	-	3.3	3.5	3.6	3.6	-
Miscellaneous plastics products, nec .....	308	41.2	41.4	41.5	41.7	-	4.0	4.2	4.2	4.6	-
Leather and leather products .....	31	37.7	38.5	38.5	38.6	38.8	2.1	2.4	2.5	2.4	-
Leather tanning and finishing .....	311	42.5	42.9	41.0	41.1	-	5.2	5.5	4.8	4.7	-
Footwear, except rubber .....	314	36.8	37.8	38.2	38.2	-	1.6	1.7	2.0	2.0	-
Men's footwear, except athletic .....	3143	36.4	37.7	37.8	38.0	-	2.2	2.1	2.1	2.2	-
Women's footwear, except athletic .....	3144	36.2	36.7	38.0	37.5	-	1.0	1.0	1.8	1.8	-
Luggage .....	316	39.7	39.3	39.2	37.3	-	2.3	2.5	2.9	1.6	-
Handbags and personal leather goods .....	317	37.3	37.9	38.2	38.4	-	1.8	2.2	1.9	2.2	-
<b>Transportation and public utilities .....</b>		<b>39.1</b>	<b>39.1</b>	<b>40.4</b>	<b>39.9</b>	<b>39.9</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	45.1	45.4	47.1	46.8	-	-	-	-	-	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Nondurable goods—Continued</b>											
Paper and allied products—Continued											
Paperboard containers and boxes .....	265	\$11.09	\$11.00	\$11.35	\$11.52	-	\$476.87	\$478.50	\$493.73	\$498.82	-
Corrugated and solid fiber boxes .....	2653	11.17	11.06	11.46	11.70	-	491.48	491.06	511.12	514.80	-
Sanitary food containers .....	2656	11.06	10.99	11.30	11.35	-	450.14	462.68	483.64	476.70	-
Folding paperboard boxes .....	2657	11.71	11.72	11.90	12.00	-	502.36	503.96	509.32	519.60	-
Misc. converted paper products .....	267	11.67	11.60	11.77	11.84	-	497.14	488.36	494.34	502.02	-
Paper, coated and laminated, nec .....	2672	13.35	13.36	13.39	13.50	-	566.04	558.45	571.75	577.80	-
Bags: plastics, laminated, and coated .....	2673	11.21	11.03	11.18	11.37	-	486.51	461.05	474.03	493.46	-
Envelopes .....	2677	10.75	10.78	10.89	10.89	-	440.75	449.53	450.85	448.67	-
Printing and publishing .....	27	11.92	11.86	11.97	12.09	\$12.04	460.11	454.24	458.45	467.88	\$463.54
Newspapers .....	271	11.93	11.74	11.82	11.95	-	402.04	387.42	387.70	396.74	-
Periodicals .....	272	12.72	12.72	13.46	13.43	-	487.18	488.45	504.75	513.03	-
Books .....	273	11.02	11.01	11.11	11.40	-	436.39	433.79	443.29	461.70	-
Book publishing .....	2731	10.65	10.78	10.67	10.87	-	404.70	405.33	415.06	417.41	-
Book printing .....	2732	11.42	11.26	11.57	11.91	-	475.07	468.42	474.37	509.75	-
Miscellaneous publishing .....	274	11.45	11.37	11.35	11.45	-	407.62	401.36	424.49	413.35	-
Commercial printing .....	275	12.11	12.05	12.14	12.27	-	491.67	484.41	485.60	495.71	-
Commercial printing, lithographic .....	2752	12.14	12.10	12.27	12.40	-	495.31	487.63	489.57	500.96	-
Commercial printing, nec .....	2759	11.89	11.79	11.67	11.84	-	469.66	465.71	462.13	472.42	-
Manifold business forms .....	276	12.59	12.50	12.59	12.67	-	517.45	518.75	522.49	522.00	-
Blankbooks and bookbinding .....	278	9.33	9.29	9.34	9.42	-	358.27	353.02	368.00	374.92	-
Printing trade services .....	279	14.37	14.38	14.53	14.54	-	563.30	568.01	575.39	575.78	-
Chemicals and allied products .....	28	14.70	14.63	14.76	14.95	14.88	637.98	624.70	633.20	648.83	641.33
Industrial inorganic chemicals .....	281	16.06	15.91	16.49	16.88	-	705.03	693.68	709.07	741.03	-
Industrial inorganic chemicals, nec .....	2819	16.30	16.15	16.98	17.40	-	710.68	705.76	723.35	751.68	-
Plastics materials and synthetics .....	282	15.71	15.50	15.11	15.32	-	708.52	680.45	660.31	689.40	-
Plastics materials and resins .....	2821	16.17	16.11	16.29	16.66	-	737.35	716.90	721.65	761.36	-
Organic fibers, noncellulosic .....	2824	15.05	14.67	13.83	13.87	-	677.25	632.28	596.07	622.76	-
Drugs .....	283	14.23	14.32	14.49	14.63	-	600.51	597.14	598.44	602.76	-
Pharmaceutical preparations .....	2834	14.22	14.30	14.55	14.65	-	595.82	592.02	598.01	597.72	-
Soap, cleaners, and toilet goods .....	284	11.95	11.97	12.19	12.25	-	487.56	488.38	508.32	507.15	-
Soap and other detergents .....	2841	15.80	15.73	15.75	15.82	-	655.70	655.94	667.80	681.84	-
Polishing, sanitation, and finishing preparations .....	2842,3	10.93	10.94	11.72	11.67	-	445.94	445.26	484.04	483.14	-
Toilet preparations .....	2844	10.19	10.21	10.42	10.51	-	411.68	410.44	432.43	424.60	-
Paints and allied products .....	285	12.56	12.57	12.52	12.74	-	521.24	515.37	538.36	541.45	-
Industrial organic chemicals .....	286	17.62	17.57	17.79	17.83	-	817.57	788.89	798.77	827.31	-
Cyclic crudes and intermediates .....	2865	17.21	16.97	17.55	17.48	-	788.22	753.47	777.47	807.58	-
Industrial organic chemicals, nec .....	2869	17.89	17.88	17.99	18.06	-	831.89	806.39	811.35	837.98	-
Agricultural chemicals .....	287	15.14	15.13	15.28	15.35	-	704.01	673.29	681.49	704.57	-
Miscellaneous chemical products .....	289	13.20	13.08	13.49	13.75	-	557.04	550.67	577.37	589.88	-
Petroleum and coal products .....	29	17.98	18.10	18.37	18.71	18.76	787.52	809.07	810.12	826.98	831.07
Petroleum refining .....	291	19.77	19.91	20.27	20.62	-	854.06	884.00	879.72	905.22	-
Asphalt paving and roofing materials .....	295	13.50	13.50	14.11	14.30	-	630.45	635.85	664.58	660.66	-
Rubber and misc. plastics products .....	30	10.45	10.44	10.55	10.66	10.59	434.72	435.35	439.94	444.52	444.78
Tires and inner tubes .....	301	16.93	17.01	17.43	17.65	-	770.32	767.15	763.43	776.60	-
Rubber and plastics footwear .....	302	7.54	7.51	7.58	7.78	-	319.70	321.43	322.15	318.20	-
Hose, belting, gaskets, and packing .....	305	10.28	10.41	10.50	10.57	-	422.51	433.06	435.75	429.14	-
Rubber and plastics hose and belting .....	3052	10.29	10.44	10.73	10.77	-	423.95	441.61	456.03	451.26	-
Fabricated rubber products, nec .....	306	9.78	9.75	10.03	10.02	-	400.00	401.70	410.23	406.81	-
Miscellaneous plastics products, nec .....	308	9.71	9.68	9.79	9.91	-	400.05	400.75	406.29	413.25	-
Leather and leather products .....	31	7.38	7.39	7.63	7.68	7.65	278.23	284.52	293.76	296.45	296.82
Leather tanning and finishing .....	311	9.67	9.66	9.98	10.08	-	410.98	414.41	409.18	414.29	-
Footwear, except rubber .....	314	7.00	6.99	7.20	7.28	-	257.60	264.22	275.04	278.10	-
Men's footwear, except athletic .....	3143	7.65	7.52	7.74	7.84	-	278.46	283.50	292.57	297.92	-
Women's footwear, except athletic .....	3144	6.49	6.56	6.70	6.80	-	234.94	240.75	254.60	255.00	-
Luggage .....	316	7.49	7.70	7.81	7.82	-	297.35	302.61	306.15	291.69	-
Handbags and personal leather goods .....	317	6.48	6.44	6.88	6.91	-	241.70	244.08	262.82	265.34	-
<b>Transportation and public utilities .....</b>		<b>13.59</b>	<b>13.57</b>	<b>13.65</b>	<b>13.71</b>	<b>13.68</b>	<b>531.37</b>	<b>530.59</b>	<b>551.46</b>	<b>547.03</b>	<b>545.83</b>
Railroad transportation:											
Class I railroads <sup>3</sup> .....	4011	16.62	16.73	16.94	17.04	-	749.56	759.54	797.87	797.47	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	33.5	33.6	35.2	33.0	-	-	-	-	-	-
Local and suburban transportation .....	411	38.5	38.8	38.3	38.5	-	-	-	-	-	-
Intercity and rural bus transportation .....	413	37.9	39.7	39.2	38.3	-	-	-	-	-	-
Trucking and warehousing .....	42	38.6	39.1	39.8	39.3	-	-	-	-	-	-
Trucking and courier services, except air .....	421	38.5	39.0	39.7	39.2	-	-	-	-	-	-
Public warehousing and storage .....	422	39.9	40.7	40.4	40.9	-	-	-	-	-	-
Water transportation:											
Water transportation services .....	449	35.0	35.2	36.3	35.7	-	-	-	-	-	-
Pipelines, except natural gas .....	46	40.3	41.4	42.8	41.3	-	-	-	-	-	-
Transportation services .....	47	36.7	36.6	38.0	37.1	-	-	-	-	-	-
Passenger transportation arrangement .....	472	36.2	35.7	37.0	36.2	-	-	-	-	-	-
Travel agencies .....	4724	36.1	35.6	37.0	36.1	-	-	-	-	-	-
Freight transportation arrangement .....	473	36.9	37.1	39.1	37.9	-	-	-	-	-	-
Communications .....	48	40.2	39.6	40.1	39.8	-	-	-	-	-	-
Telephone communications .....	481	41.8	41.2	41.8	41.3	-	-	-	-	-	-
Telephone communications, except radio .....	4813	41.9	41.3	41.8	41.5	-	-	-	-	-	-
Radio and television broadcasting .....	483	35.1	34.7	35.1	34.5	-	-	-	-	-	-
Cable and other pay television services .....	484	39.8	38.8	39.2	40.1	-	-	-	-	-	-
Electric, gas, and sanitary services .....	49	42.1	42.0	42.3	42.4	-	-	-	-	-	-
Electric services .....	491	42.1	41.7	42.3	42.2	-	-	-	-	-	-
Gas production and distribution .....	492	41.9	42.8	42.7	42.9	-	-	-	-	-	-
Combination utility services .....	493	41.8	41.8	42.1	42.5	-	-	-	-	-	-
Sanitary services .....	495	43.5	42.7	42.9	42.9	-	-	-	-	-	-
<b>Wholesale trade .....</b>		<b>38.1</b>	<b>38.2</b>	<b>38.4</b>	<b>38.1</b>	<b>38.2</b>	-	-	-	-	-
Durable goods .....	50	38.6	38.8	39.1	38.7	-	-	-	-	-	-
Motor vehicles, parts, and supplies .....	501	38.0	38.2	38.7	38.2	-	-	-	-	-	-
Furniture and home furnishings .....	502	36.8	37.4	37.7	37.3	-	-	-	-	-	-
Lumber and other construction materials .....	503	39.9	40.1	40.4	39.9	-	-	-	-	-	-
Professional and commercial equipment .....	504	38.9	38.9	39.4	38.9	-	-	-	-	-	-
Medical and hospital equipment .....	5047	37.6	37.2	38.5	38.2	-	-	-	-	-	-
Metals and minerals, except petroleum .....	505	39.7	40.0	40.8	40.1	-	-	-	-	-	-
Electrical goods .....	506	38.4	38.6	38.6	38.2	-	-	-	-	-	-
Hardware, plumbing, and heating equipment .....	507	38.4	38.5	39.2	38.5	-	-	-	-	-	-
Machinery, equipment, and supplies .....	508	39.1	39.4	39.8	39.4	-	-	-	-	-	-
Misc. wholesale trade durable goods .....	509	37.0	37.3	37.5	37.1	-	-	-	-	-	-
Nondurable goods .....	51	37.5	37.6	37.5	37.4	-	-	-	-	-	-
Paper and paper products .....	511	36.6	36.8	36.6	36.2	-	-	-	-	-	-
Drugs, proprietaries, and sundries .....	512	37.1	37.3	37.4	37.1	-	-	-	-	-	-
Apparel, piece goods, and notions .....	513	36.9	37.2	37.0	36.9	-	-	-	-	-	-
Groceries and related products .....	514	38.6	38.1	38.2	38.4	-	-	-	-	-	-
Farm-product raw materials .....	515	35.6	37.9	35.5	36.3	-	-	-	-	-	-
Chemicals and allied products .....	516	39.9	39.9	40.3	40.1	-	-	-	-	-	-
Petroleum and petroleum products .....	517	37.9	37.8	37.7	37.1	-	-	-	-	-	-
Beer, wine, and distilled beverages .....	518	37.1	36.7	37.5	37.0	-	-	-	-	-	-
Misc. wholesale trade nondurable goods .....	519	36.3	36.6	36.6	36.2	-	-	-	-	-	-
<b>Retail trade .....</b>		<b>29.0</b>	<b>28.7</b>	<b>29.7</b>	<b>28.9</b>	<b>28.8</b>	-	-	-	-	-
Building materials and garden supplies .....	52	36.5	36.6	37.1	36.6	-	-	-	-	-	-
Lumber and other building materials .....	521	38.4	38.6	39.1	38.6	-	-	-	-	-	-
Paint, glass, and wallpaper stores .....	523	36.4	36.3	37.1	36.7	-	-	-	-	-	-
Hardware stores .....	525	32.3	32.2	33.1	32.3	-	-	-	-	-	-
Retail nurseries and garden stores .....	526	34.2	34.8	33.8	33.5	-	-	-	-	-	-
General merchandise stores .....	53	30.5	29.0	29.7	29.7	-	-	-	-	-	-
Department stores .....	531	30.7	29.1	29.7	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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>a</sup>	Oct. 1993 <sup>a</sup>
<b>Transportation and public utilities—Continued</b>											
Local and interurban passenger transit .....	41	\$9.97	\$9.86	\$10.09	\$9.98	-	\$334.00	\$331.30	\$355.17	\$329.34	-
Local and suburban transportation .....	411	10.64	10.58	10.67	10.75	-	409.64	410.50	408.66	413.88	-
Intercity and rural bus transportation .....	413	13.26	12.81	12.82	12.73	-	502.55	508.56	502.54	487.56	-
Trucking and warehousing .....	42	12.18	12.20	12.33	12.41	-	470.15	477.02	490.73	487.71	-
Trucking and courier services, except air .....	421	12.35	12.39	12.51	12.60	-	475.48	483.21	496.65	493.92	-
Public warehousing and storage .....	422	10.03	9.85	9.91	9.96	-	400.20	400.90	400.36	407.36	-
Water transportation:											
Water transportation services .....	449	16.84	17.05	16.71	17.91	-	589.40	600.16	606.57	639.39	-
Pipelines, except natural gas .....	46	18.79	18.93	19.43	19.66	-	757.24	783.70	831.60	811.96	-
Transportation services .....	47	10.89	10.87	11.08	11.11	-	399.66	397.84	421.04	412.18	-
Passenger transportation arrangement .....	472	10.09	10.06	10.28	10.32	-	365.26	359.14	380.36	373.58	-
Travel agencies .....	4724	10.06	10.01	10.25	10.29	-	363.17	356.36	379.25	371.47	-
Freight transportation arrangement .....	473	11.99	12.02	12.24	12.31	-	442.43	445.94	478.58	466.55	-
Communications .....	48	14.76	14.80	15.01	15.17	-	593.35	586.08	601.90	603.77	-
Telephone communications .....	481	15.50	15.60	15.74	15.92	-	647.90	642.72	657.93	657.50	-
Telephone communications, except radio .....	4813	15.66	15.76	15.92	16.11	-	656.15	650.89	665.46	668.57	-
Radio and television broadcasting .....	483	14.01	13.85	14.22	14.48	-	491.75	480.60	499.12	499.56	-
Cable and other pay television services .....	484	11.16	11.08	11.53	11.55	-	444.17	429.90	451.98	463.16	-
Electric, gas, and sanitary services .....	49	16.28	16.32	16.66	16.81	-	685.39	685.44	704.72	712.74	-
Electric services .....	491	16.92	16.90	17.35	17.41	-	712.33	704.73	733.91	734.70	-
Gas production and distribution .....	492	15.60	15.73	16.19	16.40	-	653.64	673.24	691.31	703.56	-
Combination utility services .....	493	19.14	19.24	19.73	20.13	-	800.05	804.23	830.63	855.53	-
Sanitary services .....	495	12.10	12.09	12.03	12.07	-	526.35	516.24	516.09	517.80	-
<b>Wholesale trade .....</b>		<b>11.44</b>	<b>11.44</b>	<b>11.73</b>	<b>11.78</b>	<b>\$11.81</b>	<b>435.86</b>	<b>437.01</b>	<b>450.43</b>	<b>448.82</b>	<b>\$451.14</b>
Durable goods .....	50	11.75	11.81	12.08	12.14	-	453.55	458.23	472.33	469.82	-
Motor vehicles, parts, and supplies .....	501	10.40	10.41	10.63	10.70	-	395.20	397.66	411.38	408.74	-
Furniture and home furnishings .....	502	10.35	10.40	10.74	10.77	-	380.88	388.96	404.90	401.72	-
Lumber and other construction materials .....	503	11.01	11.14	11.16	11.26	-	439.30	446.71	450.86	449.27	-
Professional and commercial equipment .....	504	13.96	14.09	14.59	14.60	-	543.04	548.10	574.85	567.94	-
Medical and hospital equipment .....	5047	12.68	12.80	13.30	13.27	-	476.77	476.16	512.05	506.91	-
Metals and minerals, except petroleum .....	505	11.83	11.83	12.08	12.12	-	469.65	473.20	492.86	486.01	-
Electrical goods .....	506	12.08	12.15	12.60	12.64	-	463.87	468.99	486.36	482.85	-
Hardware, plumbing, and heating equipment .....	507	11.16	11.22	11.42	11.53	-	428.54	431.97	447.66	443.91	-
Machinery, equipment, and supplies .....	508	11.76	11.78	11.96	12.07	-	459.82	464.13	476.01	475.56	-
Misc. wholesale trade durable goods .....	509	9.19	9.21	9.51	9.53	-	340.03	343.53	356.63	353.56	-
Nondurable goods .....	51	11.03	10.96	11.25	11.29	-	413.63	412.10	421.88	422.25	-
Paper and paper products .....	511	11.58	11.51	11.90	12.15	-	423.83	423.57	435.54	439.83	-
Drugs, proprietaries, and sundries .....	512	13.07	13.12	13.44	13.46	-	484.90	489.38	502.66	499.37	-
Apparel, piece goods, and notions .....	513	10.56	10.54	10.83	10.82	-	389.66	392.09	400.71	399.26	-
Groceries and related products .....	514	11.23	11.15	11.51	11.49	-	433.48	424.82	439.68	441.22	-
Farm-product raw materials .....	515	8.24	8.19	8.40	8.49	-	293.34	310.40	298.20	308.19	-
Chemicals and allied products .....	516	13.30	13.34	13.20	13.29	-	530.67	532.27	531.96	532.93	-
Petroleum and petroleum products .....	517	10.60	10.60	10.63	10.66	-	401.74	400.68	400.75	395.49	-
Beer, wine, and distilled beverages .....	518	12.79	12.66	12.90	12.97	-	474.51	464.62	483.75	479.89	-
Misc. wholesale trade nondurable goods .....	519	9.40	9.33	9.51	9.57	-	341.22	341.48	348.07	346.43	-
<b>Retail trade .....</b>		<b>7.21</b>	<b>7.19</b>	<b>7.24</b>	<b>7.33</b>	<b>7.37</b>	<b>209.09</b>	<b>206.35</b>	<b>215.03</b>	<b>211.84</b>	<b>212.26</b>
Building materials and garden supplies .....	52	8.49	8.53	8.63	8.73	-	309.89	312.20	320.17	319.52	-
Lumber and other building materials .....	521	8.85	8.91	8.97	9.06	-	339.84	343.93	350.73	349.72	-
Paint, glass, and wallpaper stores .....	523	8.98	9.03	9.30	9.30	-	326.87	327.79	345.03	341.31	-
Hardware stores .....	525	7.28	7.29	7.37	7.50	-	235.14	234.74	243.95	242.25	-
Retail nurseries and garden stores .....	526	7.44	7.43	7.60	7.71	-	254.45	258.56	256.88	258.29	-
General merchandise stores .....	53	7.29	7.25	7.31	7.31	-	222.35	210.25	217.11	217.11	-
Department stores .....	531	7.33	7.29	7.30	7.28	-	225.03	212.14	216.81	216.94	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Retail trade—Continued</b>											
General merchandise stores—Continued											
Variety stores .....	533	28.3	27.5	28.6	28.5	-	-	-	-	-	-
Misc. general merchandise stores .....	539	29.9	29.5	30.2	29.4	-	-	-	-	-	-
Food stores .....											
Grocery stores .....	54	30.7	29.6	30.5	29.8	-	-	-	-	-	-
Retail bakeries .....	541	31.0	29.7	30.6	30.0	-	-	-	-	-	-
.....	546	28.2	28.5	29.6	28.7	-	-	-	-	-	-
Automotive dealers and service stations .....											
New and used car dealers .....	55	35.8	35.9	36.6	35.9	-	-	-	-	-	-
Auto and home supply stores .....	551	37.1	37.3	37.7	37.1	-	-	-	-	-	-
Gasoline service stations .....	553	37.9	38.0	38.5	38.0	-	-	-	-	-	-
Automotive dealers, nec .....	554	33.1	33.1	34.1	33.2	-	-	-	-	-	-
.....	559	34.2	34.4	34.1	33.3	-	-	-	-	-	-
Apparel and accessory stores .....											
Men's and boys' clothing stores .....	56	26.7	26.3	27.2	26.3	-	-	-	-	-	-
Women's clothing stores .....	561	29.0	28.6	29.7	28.8	-	-	-	-	-	-
Family clothing stores .....	562	24.1	24.0	24.5	23.9	-	-	-	-	-	-
Shoe stores .....	565	27.8	27.4	28.3	27.4	-	-	-	-	-	-
.....	566	28.1	27.3	28.3	27.0	-	-	-	-	-	-
Furniture and home furnishings stores .....											
Furniture and home furnishings stores .....	57	33.0	32.9	33.5	33.3	-	-	-	-	-	-
Household appliance stores .....	571	33.2	33.0	33.6	33.4	-	-	-	-	-	-
Radio, television, and computer stores .....	572	33.8	33.5	34.5	34.9	-	-	-	-	-	-
Radio, television, and electronic stores .....	573	32.6	32.6	33.1	32.7	-	-	-	-	-	-
Record and prerecorded tape stores .....	5731	32.1	32.2	32.5	32.3	-	-	-	-	-	-
.....	5735	27.9	27.5	29.8	28.1	-	-	-	-	-	-
Eating and drinking places <sup>4</sup> .....	58	24.8	24.8	26.5	25.1	-	-	-	-	-	-
Miscellaneous retail establishments .....											
Drug stores and proprietary stores .....	59	29.8	29.6	30.4	29.7	-	-	-	-	-	-
Used merchandise stores .....	591	28.4	28.0	28.6	28.0	-	-	-	-	-	-
Miscellaneous shopping goods stores .....	593	32.2	32.3	32.7	31.9	-	-	-	-	-	-
Nonstore retailers .....	594	28.1	27.7	29.4	28.1	-	-	-	-	-	-
Fuel dealers .....	596	33.9	33.8	34.1	34.5	-	-	-	-	-	-
Retail stores, nec .....	598	37.2	38.2	37.4	37.3	-	-	-	-	-	-
.....	599	31.0	31.0	31.2	31.0	-	-	-	-	-	-
<b>Finance, insurance, and real estate<sup>5</sup> .....</b>		<b>35.5</b>	<b>35.6</b>	<b>36.4</b>	<b>35.5</b>	<b>35.6</b>	-	-	-	-	-
Depository institutions .....											
Commercial banks .....	60	35.0	35.0	36.1	35.0	-	-	-	-	-	-
State commercial banks .....	602	34.7	34.9	36.0	34.7	-	-	-	-	-	-
National and commercial banks, nec .....	6022	35.2	35.2	36.6	35.4	-	-	-	-	-	-
.....	6021,9	34.4	34.6	35.7	34.3	-	-	-	-	-	-
Credit unions .....	606	35.6	35.5	36.1	35.6	-	-	-	-	-	-
Nondepository institutions .....											
Personal credit institutions .....	61	37.6	37.6	38.4	37.7	-	-	-	-	-	-
.....	614	38.0	37.8	38.4	37.9	-	-	-	-	-	-
Security and commodity brokers:											
Security and commodity services .....	628	36.3	36.5	35.9	35.7	-	-	-	-	-	-
Insurance carriers .....											
Life insurance .....	63	37.6	37.6	38.2	37.6	-	-	-	-	-	-
Medical service and health insurance .....	631	37.2	37.2	37.8	37.2	-	-	-	-	-	-
Hospital and medical service plans .....	632	38.1	38.4	38.6	38.1	-	-	-	-	-	-
Fire, marine, and casualty insurance .....	6324	37.9	38.2	38.4	37.9	-	-	-	-	-	-
.....	633	37.4	37.4	37.8	37.3	-	-	-	-	-	-
<b>Services .....</b>		<b>32.2</b>	<b>32.4</b>	<b>33.1</b>	<b>32.4</b>	<b>32.4</b>	-	-	-	-	-
Agricultural services .....											
Veterinary services .....	07	34.2	34.6	34.8	34.1	-	-	-	-	-	-
Landscape and horticultural services .....	074	28.6	28.7	29.8	28.5	-	-	-	-	-	-
.....	078	36.6	37.2	36.8	36.4	-	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels <sup>4</sup> .....	701	31.3	31.0	32.6	31.4	-	-	-	-	-	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Retail trade—Continued</b>											
General merchandise stores—Continued											
Variety stores .....	533	\$6.18	\$6.19	\$6.63	\$6.80	-	\$174.89	\$170.23	\$189.62	\$193.80	-
Misc. general merchandise stores .....	539	7.65	7.61	7.95	8.04	-	228.74	224.50	240.09	236.38	-
Food stores .....	54	7.82	7.67	7.74	7.85	-	240.07	227.03	236.07	233.93	-
Grocery stores .....	541	7.92	7.76	7.83	7.94	-	245.52	230.47	239.60	238.20	-
Retail bakeries .....	546	6.74	6.67	6.84	6.97	-	190.07	190.10	202.46	200.04	-
Automotive dealers and service stations .....	55	9.41	9.40	9.73	9.74	-	336.88	337.46	356.12	349.67	-
New and used car dealers .....	551	11.73	11.65	12.26	12.23	-	435.18	434.55	462.20	453.73	-
Auto and home supply stores .....	553	8.18	8.22	8.32	8.32	-	310.02	312.36	320.32	316.16	-
Gasoline service stations .....	554	6.56	6.56	6.67	6.69	-	217.14	217.14	227.45	222.11	-
Automotive dealers, nec .....	559	10.54	10.40	10.94	10.66	-	360.47	357.76	373.05	354.98	-
Apparel and accessory stores .....	56	6.92	6.92	6.92	7.06	-	184.76	182.00	188.22	185.68	-
Men's and boys' clothing stores .....	561	8.24	8.40	8.19	8.37	-	238.96	240.24	243.24	241.06	-
Women's clothing stores .....	562	6.59	6.54	6.65	6.76	-	158.82	156.96	162.93	161.56	-
Family clothing stores .....	565	6.68	6.69	6.71	6.88	-	185.70	183.31	189.89	188.51	-
Shoe stores .....	566	7.18	7.20	7.02	7.22	-	201.76	196.56	198.67	194.94	-
Furniture and home furnishings stores .....	57	9.26	9.24	9.48	9.54	-	305.58	304.00	317.58	317.68	-
Furniture and home furnishings stores .....	571	9.06	9.08	9.32	9.36	-	300.79	299.64	313.15	312.62	-
Household appliance stores .....	572	9.62	9.46	9.99	10.08	-	325.16	316.91	344.66	351.79	-
Radio, television, and computer stores .....	573	9.48	9.44	9.60	9.70	-	309.05	307.74	317.76	317.19	-
Radio, television, and electronic stores .....	5731	9.21	9.07	9.55	9.63	-	295.64	292.05	310.38	311.05	-
Record and prerecorded tape stores .....	5735	5.87	5.82	5.89	5.93	-	163.77	160.05	175.52	166.63	-
Eating and drinking places <sup>1</sup> .....	58	5.32	5.32	5.33	5.37	-	131.94	131.94	141.25	134.79	-
Miscellaneous retail establishments .....	59	7.76	7.75	7.95	8.02	-	231.25	229.40	241.68	238.19	-
Drug stores and proprietary stores .....	591	7.79	7.80	8.12	8.25	-	221.24	218.40	232.23	231.00	-
Used merchandise stores .....	593	6.61	6.60	6.63	6.71	-	212.84	213.18	216.80	214.05	-
Miscellaneous shopping goods stores .....	594	7.22	7.16	7.29	7.33	-	202.88	198.33	214.33	205.97	-
Nonstore retailers .....	596	8.26	8.14	8.69	8.73	-	280.01	275.13	296.33	301.19	-
Fuel dealers .....	598	10.65	10.84	10.95	11.09	-	396.18	414.09	409.53	413.66	-
Retail stores, nec .....	599	8.09	8.08	8.22	8.21	-	250.79	250.48	256.46	254.51	-
<b>Finance, insurance, and real estate<sup>5</sup> .....</b>		<b>10.84</b>	<b>10.90</b>	<b>11.35</b>	<b>11.38</b>	<b>\$11.45</b>	<b>384.82</b>	<b>388.04</b>	<b>413.14</b>	<b>403.99</b>	<b>\$407.62</b>
Depository institutions .....	60	8.90	8.93	9.11	9.13	-	311.50	312.55	328.87	319.55	-
Commercial banks .....	602	8.49	8.49	8.66	8.69	-	294.60	296.30	311.76	301.54	-
State commercial banks .....	6022	8.40	8.42	8.53	8.53	-	295.68	296.38	312.20	301.96	-
National and commercial banks, nec .....	6021,9	8.55	8.55	8.76	8.81	-	294.12	295.83	312.73	302.18	-
Credit unions .....	606	8.73	8.80	9.08	9.09	-	310.79	312.40	327.79	323.60	-
Nondepository institutions .....	61	11.62	11.72	12.63	12.65	-	436.91	440.67	484.99	476.91	-
Personal credit institutions .....	614	9.67	9.69	10.24	10.05	-	367.46	366.28	393.22	380.90	-
Security and commodity brokers: Security and commodity services .....	628	15.17	15.46	15.97	15.77	-	550.67	564.29	573.32	562.99	-
Insurance carriers .....	63	12.46	12.54	13.28	13.24	-	468.50	471.50	507.30	497.82	-
Life insurance .....	631	11.36	11.44	12.40	12.34	-	422.59	425.57	468.72	459.05	-
Medical service and health insurance .....	632	11.89	11.90	12.74	12.67	-	453.01	456.96	491.76	482.73	-
Hospital and medical service plans .....	6324	12.07	12.06	13.03	12.99	-	457.45	460.69	500.35	492.32	-
Fire, marine, and casualty insurance .....	633	13.51	13.63	14.16	14.19	-	505.27	509.76	535.25	529.29	-
<b>Services .....</b>		<b>10.62</b>	<b>10.65</b>	<b>10.68</b>	<b>10.86</b>	<b>10.91</b>	<b>341.96</b>	<b>345.06</b>	<b>353.51</b>	<b>351.86</b>	<b>353.48</b>
Agricultural services .....	07	8.32	8.38	8.37	8.58	-	284.54	289.95	291.28	292.58	-
Veterinary services .....	074	8.10	8.11	8.10	8.23	-	231.66	232.76	241.38	234.56	-
Landscape and horticultural services .....	078	8.44	8.54	8.50	8.75	-	308.90	317.69	312.80	318.50	-
Hotels and other lodging places: Hotels and motels <sup>4</sup> .....	701	7.43	7.46	7.36	7.60	-	232.56	231.26	239.94	238.64	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Personal services:											
Laundry, cleaning, and garment services .....	721	33.6	34.4	34.0	34.2	-	-	-	-	-	-
Beauty shops <sup>1</sup> .....	723	28.1	28.8	28.9	28.2	-	-	-	-	-	-
Miscellaneous personal services .....	729	25.0	25.2	25.7	25.7	-	-	-	-	-	-
Business services											
Advertising .....	731	36.4	36.9	37.2	36.7	-	-	-	-	-	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	36.9	36.8	37.0	37.1	-	-	-	-	-	-
Services to buildings .....	734	28.0	28.7	29.3	28.7	-	-	-	-	-	-
Miscellaneous equipment rental and leasing .....	735	38.7	39.3	40.0	39.6	-	-	-	-	-	-
Heavy construction equipment rental .....	7353	39.0	41.3	40.9	40.0	-	-	-	-	-	-
Personnel supply services:											
Help supply services .....	7363	29.5	30.9	31.5	29.6	-	-	-	-	-	-
Computer and data processing services .....	737	37.8	38.0	38.4	37.9	-	-	-	-	-	-
Computer programming services .....	7371	38.0	37.9	38.3	38.3	-	-	-	-	-	-
Computer integrated systems design .....	7373	38.2	38.5	38.3	38.1	-	-	-	-	-	-
Information retrieval services .....	7375	38.9	38.2	38.3	39.0	-	-	-	-	-	-
Computer maintenance and repair .....	7378	38.9	38.8	39.5	39.1	-	-	-	-	-	-
Miscellaneous business services .....	738	33.5	33.6	33.8	33.2	-	-	-	-	-	-
Detective and armored car services .....	7381	33.5	33.6	34.1	33.4	-	-	-	-	-	-
Security systems services .....	7382	37.5	37.1	36.7	36.5	-	-	-	-	-	-
Auto repair, services, and parking											
Automotive rentals, without drivers .....	751	37.8	37.1	38.0	37.2	-	-	-	-	-	-
Passenger car rental .....	7514	37.0	36.2	37.1	36.1	-	-	-	-	-	-
Automobile parking .....	752	32.9	32.5	33.7	33.4	-	-	-	-	-	-
Automotive repair shops .....	753	37.7	38.2	38.5	38.2	-	-	-	-	-	-
Automotive and tire repair shops .....	7532,4	36.9	37.2	37.2	37.1	-	-	-	-	-	-
General automotive repair shops .....	7538	37.5	38.3	38.6	38.3	-	-	-	-	-	-
Automotive services, except repair .....	754	31.8	32.4	32.9	31.1	-	-	-	-	-	-
Carwashes .....	7542	29.8	30.2	31.4	29.4	-	-	-	-	-	-
Miscellaneous repair services .....	76	37.6	38.0	38.5	37.9	-	-	-	-	-	-
Motion pictures											
Motion picture production and services .....	781	37.5	38.6	38.0	40.0	-	-	-	-	-	-
Amusement and recreation services											
Bowling centers .....	793	25.0	24.8	24.8	24.3	-	-	-	-	-	-
Misc. amusement and recreation services .....	799	26.4	25.4	29.9	27.3	-	-	-	-	-	-
Physical fitness facilities .....	7991	17.7	18.0	18.8	18.0	-	-	-	-	-	-
Membership sports and recreation clubs .....	7997	28.8	28.4	30.1	28.8	-	-	-	-	-	-
Health services											
Offices and clinics of medical doctors .....	801	32.0	31.8	32.6	32.2	-	-	-	-	-	-
Offices and clinics of dentists .....	802	28.0	28.2	28.4	28.0	-	-	-	-	-	-
Offices and clinics of other health practitioners .....	804	29.7	29.7	30.0	29.8	-	-	-	-	-	-
Nursing and personal care facilities .....	805	32.7	32.0	32.7	32.4	-	-	-	-	-	-
Intermediate care facilities .....	8052	32.0	31.4	32.1	31.7	-	-	-	-	-	-
Hospitals .....	806	34.3	34.3	34.7	34.5	-	-	-	-	-	-
Home health care services .....	808	27.3	27.5	28.2	28.1	-	-	-	-	-	-
Legal services .....	81	34.6	34.6	35.4	34.5	-	-	-	-	-	-
Social services											
Individual and family services .....	832	32.3	32.2	32.1	32.2	-	-	-	-	-	-
Job training and related services .....	833	30.6	30.6	30.0	30.5	-	-	-	-	-	-
Child day care services .....	835	29.2	30.0	30.2	29.2	-	-	-	-	-	-
Residential care .....	836	32.1	31.6	32.3	32.0	-	-	-	-	-	-
Social services, nec .....	839	31.8	32.1	30.9	31.1	-	-	-	-	-	-
Membership organizations:											
Professional organizations .....	862	34.7	35.0	35.7	34.7	-	-	-	-	-	-

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<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>
<b>Services—Continued</b>											
Personal services:											
Laundry, cleaning, and garment services .....	721	\$7.23	\$7.17	\$7.28	\$7.31	-	\$242.93	\$246.65	\$247.52	\$250.00	-
Beauty shops <sup>1</sup> .....	723	7.65	7.55	7.88	7.92	-	214.97	217.44	227.73	223.34	-
Miscellaneous personal services .....	729	7.92	7.95	7.78	7.87	-	198.00	200.34	199.95	202.26	-
Business services .....	73	9.99	9.91	10.13	10.18	-	321.68	326.04	337.33	328.81	-
Advertising .....	731	14.83	14.78	15.28	15.22	-	539.81	545.38	568.42	558.57	-
Mailing, reproduction, and stenographic services:											
Photocopying and duplicating services .....	7334	9.48	9.41	9.63	9.61	-	349.81	346.29	356.31	356.53	-
Services to buildings .....	734	7.36	7.38	7.50	7.53	-	206.08	211.81	219.75	216.11	-
Miscellaneous equipment rental and leasing .....	735	10.39	10.51	10.75	10.81	-	402.09	413.04	430.00	428.08	-
Heavy construction equipment rental .....	7353	13.66	13.77	14.33	14.39	-	532.74	568.70	586.10	575.60	-
Personnel supply services:											
Help supply services .....	7363	8.23	8.16	8.28	8.33	-	242.79	252.14	260.82	246.57	-
Computer and data processing services .....	737	15.87	15.91	16.52	16.46	-	599.89	604.58	634.37	623.83	-
Computer programming services .....	7371	18.49	18.68	19.09	19.28	-	702.62	707.97	731.15	738.42	-
Computer integrated systems design .....	7373	16.49	16.83	17.23	16.89	-	629.92	647.96	659.91	643.51	-
Information retrieval services .....	7375	13.00	13.28	14.64	14.55	-	505.70	507.30	560.71	567.45	-
Computer maintenance and repair .....	7378	13.52	13.70	13.67	13.73	-	525.93	531.56	539.97	536.84	-
Miscellaneous business services .....	738	8.63	8.56	8.68	8.75	-	289.11	287.62	293.38	290.50	-
Detective and armored car services .....	7381	6.79	6.70	6.77	6.85	-	227.47	225.12	230.86	228.79	-
Security systems services .....	7382	10.20	10.19	11.04	11.03	-	382.50	378.05	405.17	402.60	-
Auto repair, services, and parking .....	75	9.16	9.19	9.27	9.35	-	331.59	334.52	342.99	339.41	-
Automotive rentals, without drivers .....	751	9.16	9.24	9.18	9.31	-	346.25	342.80	348.84	346.33	-
Passenger car rental .....	7514	8.07	8.20	8.34	8.48	-	298.59	296.84	309.41	306.13	-
Automobile parking .....	752	6.88	6.80	6.91	6.95	-	226.35	221.00	232.87	232.13	-
Automotive repair shops .....	753	10.66	10.08	10.26	10.32	-	379.26	385.06	395.01	394.22	-
Automotive and tire repair shops .....	7532,4	10.64	10.68	10.77	10.76	-	392.62	397.30	400.64	399.20	-
General automotive repair shops .....	7538	10.07	10.10	10.26	10.36	-	377.63	386.83	396.04	396.79	-
Automotive services, except repair .....	754	7.01	7.03	6.87	6.93	-	222.92	227.77	226.02	215.52	-
Carwashes .....	7542	6.00	6.02	5.98	6.06	-	178.80	181.80	187.77	178.16	-
Miscellaneous repair services .....	76	10.82	10.93	11.10	11.10	-	406.83	415.34	427.35	420.69	-
Motion pictures .....	78	12.61	13.02	12.32	13.70	-	351.82	371.07	363.44	402.78	-
Motion picture production and services .....	781	18.86	18.86	18.55	19.85	-	707.25	728.00	704.90	794.00	-
Amusement and recreation services .....	79	8.11	8.49	7.72	8.35	-	215.73	221.59	226.20	227.12	-
Bowling centers .....	793	6.48	6.50	6.68	6.54	-	162.00	161.20	165.66	158.92	-
Misc. amusement and recreation services .....	799	7.46	7.82	7.08	7.71	-	196.94	198.63	211.69	210.48	-
Physical fitness facilities .....	7991	7.95	7.97	7.84	7.89	-	140.72	143.46	147.39	142.02	-
Membership sports and recreation clubs .....	7997	7.73	7.90	7.52	7.89	-	222.62	224.36	226.35	227.23	-
Health services .....	80	11.53	11.52	11.75	11.86	-	377.03	375.55	387.75	387.82	-
Offices and clinics of medical doctors .....	801	11.53	11.57	11.88	11.98	-	368.96	367.93	387.29	385.76	-
Offices and clinics of dentists .....	802	11.08	11.12	11.46	11.51	-	310.24	313.58	325.46	322.28	-
Offices and clinics of other health practitioners .....	804	10.07	10.12	10.34	10.39	-	299.08	300.56	310.20	309.62	-
Nursing and personal care facilities .....	805	7.97	7.94	8.14	8.24	-	260.62	254.08	266.18	266.98	-
Intermediate care facilities .....	8052	7.38	7.33	7.59	7.70	-	236.16	230.16	243.64	244.09	-
Hospitals .....	806	13.23	13.20	13.44	13.60	-	453.79	452.76	466.37	469.20	-
Home health care services .....	808	10.16	10.11	10.41	10.58	-	277.37	278.03	293.56	297.30	-
Legal services .....	81	14.94	15.05	15.33	15.26	-	516.92	520.73	542.68	526.47	-
Social services .....	83	7.72	7.69	7.83	7.93	-	240.86	240.70	245.08	246.62	-
Individual and family services .....	832	8.27	8.21	8.38	8.45	-	267.12	264.36	269.00	272.09	-
Job training and related services .....	833	7.52	7.54	7.63	7.83	-	230.11	230.72	228.90	238.82	-
Child day care services .....	835	6.56	6.58	6.49	6.69	-	191.55	197.40	196.00	195.35	-
Residential care .....	836	7.89	7.87	8.04	8.10	-	253.27	248.69	259.69	259.20	-
Social services, nec .....	839	8.69	8.68	8.82	9.00	-	276.34	278.63	272.54	279.90	-
Membership organizations:											
Professional organizations .....	862	14.36	14.50	15.12	15.22	-	498.29	507.50	539.78	528.13	-

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				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Engineering and management services .....	87	36.9	37.0	37.4	36.9	-	-	-	-	-	-
Engineering and architectural services .....	871	38.9	39.1	39.4	38.7	-	-	-	-	-	-
Engineering services .....	8711	39.1	39.4	39.6	38.9	-	-	-	-	-	-
Architectural services .....	8712	38.2	37.9	38.3	38.0	-	-	-	-	-	-
Surveying services .....	8713	37.7	38.6	39.1	38.6	-	-	-	-	-	-
Accounting, auditing, and bookkeeping .....	872	36.4	36.4	36.4	35.9	-	-	-	-	-	-
Research and testing services .....	873	36.5	36.5	37.1	36.5	-	-	-	-	-	-
Commercial physical research .....	8731	39.5	39.5	39.5	39.4	-	-	-	-	-	-
Commercial nonphysical research .....	8732	28.8	29.3	30.6	29.2	-	-	-	-	-	-
Noncommercial research organizations .....	8733	36.3	35.8	36.6	36.1	-	-	-	-	-	-
Management and public relations .....	874	35.1	35.4	36.0	35.7	-	-	-	-	-	-
Public relations services .....	8743	34.0	34.6	34.1	33.3	-	-	-	-	-	-
Services, nec .....	89	37.6	38.1	37.3	35.7	-	-	-	-	-	-

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<sup>1</sup> on private nonfarm payrolls by detailed industry—Continued**

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Services—Continued</b>											
Engineering and management services .....	87	\$14.74	\$14.74	\$15.12	\$15.15	-	\$543.91	\$545.38	\$565.49	\$559.04	-
Engineering and architectural services .....	871	16.13	16.18	16.16	16.30	-	627.46	632.64	636.70	630.81	-
Engineering services .....	8711	16.75	16.79	16.78	16.90	-	654.93	661.53	664.49	657.41	-
Architectural services .....	8712	14.83	14.91	14.85	14.99	-	566.51	565.09	568.76	569.62	-
Surveying services .....	8713	11.14	11.26	11.41	11.61	-	419.98	434.64	446.13	448.15	-
Accounting, auditing, and bookkeeping .....	872	13.00	12.92	13.48	13.24	-	473.20	470.29	490.67	475.32	-
Research and testing services .....	873	15.52	15.50	16.02	16.19	-	566.48	565.75	594.34	590.94	-
Commercial physical research .....	8731	17.40	17.52	18.06	18.25	-	687.30	692.04	713.37	719.05	-
Commercial nonphysical research .....	8732	11.98	11.74	12.58	12.72	-	345.02	343.98	384.95	371.42	-
Noncommercial research organizations .....	8733	17.07	17.18	17.53	17.69	-	619.64	615.04	641.60	638.61	-
Management and public relations .....	874	13.45	13.47	14.06	14.05	-	472.10	476.84	506.16	501.59	-
Public relations services .....	8743	13.60	13.42	13.88	13.83	-	462.40	464.33	473.31	460.54	-
Services, nec .....	89	15.85	15.82	15.74	15.86	-	595.96	602.74	587.10	566.20	-

<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)			
	Aug. 1992	Sept. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Aug. 1992	Sept. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>
Average hourly earnings, excluding lump-sum payments .....	\$17.85	\$17.98	\$18.42	\$18.51	\$16.52	\$16.62	\$17.43	\$17.71
Average hourly earnings, including lump-sum payments .....	18.23	18.36	19.16	19.26	16.60	16.71	17.46	17.74

= preliminary.

**ESTABLISHMENT DATA  
EARNINGS  
NOT SEASONALLY ADJUSTED**

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

Industry	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Oct. 1993 <sup>P</sup>
<b>Manufacturing</b> .....	\$11.01	\$10.92	\$11.14	\$11.25	\$11.21
<b>Durable goods</b> .....	11.58	11.52	11.70	11.82	11.78
Lumber and wood products .....	9.09	9.09	9.18	9.22	(2)
Furniture and fixtures .....	8.78	8.77	8.95	9.01	(2)
Stone, clay, and glass products .....	11.11	10.99	11.13	11.27	(2)
Primary metal industries .....	13.11	12.95	13.15	13.32	(2)
Fabricated metal products .....	10.96	10.90	11.09	11.23	(2)
Industrial machinery and equipment .....	11.93	11.89	12.08	12.15	(2)
Electronic and other electrical equipment .....	10.60	10.56	10.76	10.79	(2)
Transportation equipment .....	14.68	14.65	14.89	15.13	(2)
Instruments and related products .....	11.61	11.62	11.86	11.94	(2)
Miscellaneous manufacturing .....	8.84	8.82	8.98	9.07	(2)
<b>Nondurable goods</b> .....	10.31	10.24	10.43	10.53	\$10.49
Food and kindred products .....	9.61	9.54	9.79	9.85	(2)
Tobacco products .....	15.86	15.65	17.04	15.80	(2)
Textile mill products .....	8.24	8.22	8.44	8.47	(2)
Apparel and other textile products .....	6.84	6.79	6.89	6.98	(2)
Paper and allied products .....	12.45	12.37	12.61	12.78	(2)
Printing and publishing .....	11.42	11.38	11.49	11.56	(2)
Chemicals and allied products .....	13.88	13.87	13.98	14.09	(2)
Petroleum and coal products .....	16.78	16.77	17.19	17.47	(2)
Rubber and misc. plastics products .....	9.95	9.92	10.03	10.10	(2)
Leather and leather products .....	7.18	7.16	7.38	7.45	(2)

<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 (1982) dollars**

Industry	Average hourly earnings					Average weekly earnings				
	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>	Sept. 1992	Oct. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Oct. 1993 <sup>p</sup>
<b>Total private:</b>										
Current dollars .....	\$10.65	\$10.68	\$10.78	\$10.91	\$10.94	\$365.30	\$367.39	\$378.38	\$376.40	\$378.52
Constant (1982) dollars .....	7.42	7.41	7.33	7.41	( <sup>2</sup> )	254.39	254.95	257.40	255.71	( <sup>2</sup> )
<b>Mining:</b>										
Current dollars .....	14.60	14.47	14.43	14.50	\$14.30	640.94	642.47	647.91	643.80	\$644.93
Constant (1982) dollars .....	10.17	10.04	9.82	9.85	( <sup>2</sup> )	446.34	445.85	440.76	437.36	( <sup>2</sup> )
<b>Construction:</b>										
Current dollars .....	14.22	14.30	14.43	14.51	\$14.52	527.56	557.70	572.87	555.73	\$572.09
Constant (1982) dollars .....	9.90	9.92	9.82	9.86	( <sup>2</sup> )	367.38	387.02	389.71	377.53	( <sup>2</sup> )
<b>Manufacturing:</b>										
Current dollars .....	11.54	11.50	11.71	11.86	\$11.82	473.14	474.95	485.97	492.19	\$494.08
Constant (1982) dollars .....	8.04	7.98	7.97	8.06	( <sup>2</sup> )	329.48	329.60	330.59	334.37	( <sup>2</sup> )
<b>Transportation and public utilities:</b>										
Current dollars .....	13.59	13.57	13.65	13.71	\$13.68	531.37	530.59	551.46	547.03	\$545.83
Constant (1982) dollars .....	9.46	9.42	9.29	9.31	( <sup>2</sup> )	370.03	368.21	375.14	371.62	( <sup>2</sup> )
<b>Wholesale trade:</b>										
Current dollars .....	11.44	11.44	11.73	11.78	\$11.81	435.86	437.01	450.43	448.82	\$451.14
Constant (1982) dollars .....	7.97	7.94	7.98	8.00	( <sup>2</sup> )	303.52	303.27	306.41	304.90	( <sup>2</sup> )
<b>Retail trade:</b>										
Current dollars .....	7.21	7.19	7.24	7.33	\$7.37	209.09	206.35	215.03	211.84	\$212.26
Constant (1982) dollars .....	5.02	4.99	4.93	4.98	( <sup>2</sup> )	145.61	143.20	146.28	143.91	( <sup>2</sup> )
<b>Finance, insurance, and real estate:</b>										
Current dollars .....	10.84	10.90	11.35	11.38	\$11.45	384.82	388.04	413.14	403.99	\$407.62
Constant (1982) dollars .....	7.55	7.56	7.72	7.73	( <sup>2</sup> )	267.98	269.29	281.05	274.45	( <sup>2</sup> )
<b>Services:</b>										
Current dollars .....	10.62	10.65	10.68	10.86	\$10.91	341.96	345.06	353.51	351.86	\$353.48
Constant (1982) dollars .....	7.40	7.39	7.27	7.38	( <sup>2</sup> )	238.13	239.46	240.48	239.04	( <sup>2</sup> )

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

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

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Total private</b> .....	34.4	34.6	34.3	34.5	34.4	34.2	34.4	34.7	34.4	34.5	34.7	34.4	34.5
<b>Mining</b> .....	44.1	44.1	43.7	44.0	43.6	43.4	44.3	44.6	44.1	44.9	44.6	44.0	44.7
<b>Construction</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Manufacturing</b> .....	41.1	41.2	41.2	41.4	41.4	41.2	41.5	41.4	41.2	41.4	41.4	41.5	41.6
<i>Overtime hours</i> .....	3.8	3.9	3.9	4.0	4.2	4.0	4.2	4.1	4.0	4.0	4.1	4.1	4.3
<b>Durable goods</b> .....	41.6	41.8	41.8	42.0	42.1	42.0	42.2	42.0	41.9	42.0	42.2	42.2	42.4
<i>Overtime hours</i> .....	3.8	3.9	3.9	4.0	4.3	4.2	4.4	4.3	4.2	4.1	4.2	4.2	4.5
Lumber and wood products .....	40.7	40.8	40.5	40.6	40.8	40.6	40.5	40.6	40.4	40.7	40.8	41.0	41.0
Furniture and fixtures .....	39.9	40.1	40.0	40.2	40.3	40.1	40.0	39.7	39.5	39.9	40.5	39.8	40.4
Stone, clay, and glass products .....	42.3	42.4	42.2	42.5	42.5	42.2	42.5	42.8	42.6	42.7	42.9	42.7	42.6
Primary metal industries .....	42.9	43.1	43.3	43.6	43.8	43.9	44.2	43.6	43.4	43.6	43.5	43.4	43.7
Blast furnaces and basic steel products ..	43.1	43.4	43.7	44.0	44.4	44.4	44.7	44.1	44.1	44.3	43.7	44.4	44.5
Fabricated metal products .....	41.7	41.8	41.8	42.0	42.1	41.9	42.1	41.9	41.9	41.9	42.1	42.0	42.2
Industrial machinery and equipment .....	42.4	42.7	42.6	42.7	42.9	42.8	43.1	42.9	42.9	43.1	43.0	42.8	43.2
Electronic and other electrical equipment ..	41.4	41.5	41.4	41.7	41.7	41.6	41.8	41.8	41.4	41.8	42.0	42.0	42.0
Transportation equipment .....	41.7	41.9	42.4	42.5	42.8	42.7	42.9	42.7	42.5	42.3	43.1	43.8	43.7
Motor vehicles and equipment .....	42.0	42.4	43.4	43.7	44.2	44.3	45.2	44.0	43.5	43.0	44.4	45.1	45.0
Instruments and related products .....	41.3	41.2	41.1	41.2	41.0	41.1	41.3	41.3	41.2	41.4	41.0	41.1	41.2
Miscellaneous manufacturing .....	40.0	39.9	39.8	39.9	39.9	39.9	40.3	39.8	39.5	39.5	39.7	39.9	39.6
<b>Nondurable goods</b> .....	40.4	40.6	40.5	40.6	40.7	40.3	40.6	40.5	40.5	40.6	40.5	40.5	40.7
<i>Overtime hours</i> .....	3.9	3.9	3.9	3.9	4.1	3.8	4.0	3.9	3.9	3.9	3.9	4.0	4.1
Food and kindred products .....	40.8	40.8	40.6	40.6	40.7	40.4	40.7	40.4	40.6	40.8	40.6	40.6	41.0
Tobacco products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Textile mill products .....	40.8	41.2	41.4	41.6	41.8	40.1	41.9	41.7	41.3	41.3	41.4	41.6	41.4
Apparel and other textile products .....	37.4	37.6	37.4	37.6	37.5	37.2	37.1	37.3	37.1	37.3	37.3	36.9	37.0
Paper and allied products .....	43.5	43.5	43.5	43.5	43.8	43.5	43.7	43.7	43.6	43.4	43.5	43.8	43.8
Printing and publishing .....	38.2	38.1	38.1	38.2	38.1	38.1	38.4	38.2	38.4	38.5	38.1	38.2	38.4
Chemicals and allied products .....	42.8	42.9	42.8	43.0	42.9	42.8	42.9	43.3	43.1	43.4	43.2	43.0	43.3
Petroleum and coal products .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Rubber and misc. plastics products .....	41.6	41.8	41.9	42.0	42.1	41.8	41.8	41.8	41.7	41.7	41.8	41.7	41.9
Leather and leather products .....	38.5	38.9	38.7	39.3	39.4	39.0	38.9	38.6	37.7	38.0	38.3	39.0	38.8
<b>Transportation and public utilities</b> .....	39.0	39.5	39.1	39.6	39.4	39.6	39.4	39.8	39.4	39.6	40.1	39.7	39.9
<b>Wholesale trade</b> .....	38.1	38.3	38.0	38.1	38.1	38.0	38.0	38.4	38.2	38.2	38.3	37.9	38.1
<b>Retail trade</b> .....	28.8	28.9	28.8	28.8	28.7	28.2	28.8	29.0	28.8	28.8	28.9	28.8	28.9
<b>Finance, insurance, and real estate</b> .....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
<b>Services</b> .....	32.5	32.6	32.3	32.5	32.4	32.4	32.4	32.8	32.5	32.5	32.7	32.3	32.5

<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<sup>1</sup> on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted**

(1982=100)

Industry	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>	Oct. <sup>P</sup>
<b>Total private</b> .....	121.6	122.3	121.7	122.5	122.7	122.2	123.1	124.6	123.6	124.1	124.8	123.8	124.7
<b>Goods-producing</b> .....	101.2	101.4	101.4	101.7	102.5	101.9	102.2	102.8	102.0	102.6	102.4	102.1	102.8
<b>Mining</b> .....	55.1	54.8	54.1	54.2	52.7	52.5	53.5	54.2	53.0	53.8	53.1	52.8	53.6
<b>Construction</b> .....	118.0	117.2	116.9	116.4	119.2	118.8	119.3	124.5	123.4	125.3	124.9	123.3	124.5
<b>Manufacturing</b> .....	100.8	101.2	101.2	101.8	102.3	101.6	101.8	101.4	100.8	101.0	100.9	100.9	101.4
<b>Durable goods</b> .....	97.9	98.4	98.5	99.2	99.7	99.3	99.2	98.5	97.8	97.9	98.2	98.4	99.0
Lumber and wood products .....	119.4	120.8	120.3	120.6	122.7	122.1	120.1	119.6	118.8	119.9	120.6	122.0	123.3
Furniture and fixtures .....	117.6	118.2	118.2	119.1	120.0	119.4	119.1	118.9	118.0	119.2	120.0	118.5	120.3
Stone, clay, and glass products .....	100.7	101.0	100.8	101.2	102.3	101.3	101.0	101.9	101.2	101.7	101.9	101.7	101.7
Primary metal industries .....	84.6	85.0	85.2	85.9	86.3	86.5	86.5	85.3	84.4	84.5	84.1	84.1	84.2
Blast furnaces and basic steel products .....	72.0	71.6	72.2	72.3	73.3	73.3	73.4	72.4	71.6	71.6	70.2	71.7	70.3
Fabricated metal products .....	99.6	100.1	99.9	101.1	101.6	101.3	101.3	100.5	100.3	100.0	100.6	100.6	101.4
Industrial machinery and equipment .....	89.6	90.4	90.2	90.5	90.9	90.5	91.2	90.8	91.0	91.4	90.7	90.6	91.8
Electronic and other electrical equipment .....	98.8	99.2	99.2	99.6	100.2	100.3	100.5	100.1	98.8	99.6	99.8	100.0	100.3
Transportation equipment .....	107.8	109.0	110.5	112.1	112.1	111.2	110.1	108.3	106.9	105.9	107.8	109.4	109.5
Motor vehicles and equipment .....	121.9	127.2	132.2	142.9	139.0	136.6	136.3	131.5	129.5	128.3	132.9	135.2	136.2
Instruments and related products .....	78.9	78.4	77.8	77.9	77.3	77.1	77.3	76.3	75.7	75.6	74.7	74.5	74.5
Miscellaneous manufacturing .....	97.5	97.3	97.0	96.9	97.6	98.0	99.4	97.8	96.7	96.7	96.0	96.9	96.5
<b>Nondurable goods</b> .....	104.8	105.0	105.0	105.5	105.8	104.8	105.4	105.3	104.8	105.2	104.6	104.3	104.7
Food and kindred products .....	110.4	110.6	110.2	110.7	111.2	110.3	110.6	109.5	109.7	110.2	110.3	109.7	111.9
Tobacco products .....	68.4	65.9	69.3	68.6	68.1	65.4	65.8	66.0	67.6	63.4	60.5	62.7	63.3
Textile mill products .....	96.5	97.7	98.4	98.7	99.2	94.8	99.4	98.9	97.5	97.5	96.8	97.3	97.0
Apparel and other textile products .....	91.4	91.8	91.3	91.9	91.6	91.1	90.2	90.8	89.6	89.7	89.0	87.7	87.3
Paper and allied products .....	109.6	109.6	109.4	109.4	110.4	109.6	109.5	109.7	109.5	108.8	108.6	109.1	108.7
Printing and publishing .....	122.2	121.9	122.1	122.2	122.2	122.4	123.3	122.8	123.3	123.8	122.4	122.4	122.4
Chemicals and allied products .....	98.5	98.5	98.3	98.9	98.7	98.8	99.0	100.5	99.7	101.1	100.1	100.3	100.8
Petroleum and coal products .....	86.7	86.7	85.5	87.1	87.4	85.4	87.9	86.9	84.9	85.9	85.6	84.1	84.3
Rubber and misc. plastics products .....	126.6	127.6	128.3	129.4	130.4	129.9	129.7	129.9	129.4	129.9	129.5	129.0	128.9
Leather and leather products .....	56.8	56.8	56.5	56.8	56.9	56.3	55.6	55.2	53.9	54.9	54.1	54.5	54.8
<b>Service-producing</b> .....	130.7	131.6	130.8	131.8	131.8	131.3	132.4	134.5	133.4	133.8	134.9	133.6	134.6
<b>Transportation and public utilities</b> .....	113.7	115.2	114.3	116.1	115.7	116.1	115.5	116.6	115.3	115.9	116.8	115.7	116.3
<b>Wholesale trade</b> .....	113.7	114.6	113.7	114.5	114.8	114.7	114.7	116.1	115.2	115.6	115.7	114.5	115.5
<b>Retail trade</b> .....	121.1	121.6	121.5	122.0	122.3	119.9	122.6	124.0	123.3	123.5	124.0	123.6	124.1
<b>Finance, insurance, and real estate</b> .....	117.6	119.5	116.7	117.9	117.2	116.9	117.2	120.0	117.9	117.3	120.7	117.9	119.4
<b>Services</b> .....	151.4	152.1	151.3	152.5	152.5	152.9	154.0	156.7	155.6	156.4	157.7	155.9	157.5

<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<sup>1</sup> on private nonfarm payrolls, seasonally adjusted**

Industry	1992			1993									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>p</sup>	Oct. <sup>p</sup>
	Average hourly earnings												
<b>Total private (in current dollars) .....</b>	\$10.65	\$10.69	\$10.68	\$10.73	\$10.74	\$10.78	\$10.77	\$10.82	\$10.81	\$10.81	\$10.86	\$10.87	\$10.92
<b>Mining .....</b>	14.61	14.65	14.57	14.58	14.55	14.64	14.84	14.76	14.59	14.51	14.53	14.47	14.44
<b>Construction .....</b>	14.19	14.23	14.21	14.19	14.22	14.28	14.28	14.34	14.32	14.39	14.39	14.39	14.40
<b>Manufacturing .....</b>	11.52	11.55	11.58	11.61	11.64	11.66	11.71	11.71	11.72	11.72	11.77	11.84	11.84
<b>Excluding overtime<sup>2</sup> .....</b>	11.01	11.03	11.06	11.08	11.10	11.13	11.13	11.15	11.17	11.19	11.22	11.27	11.26
<b>Transportation and public utilities .....</b>	13.56	13.62	13.55	13.57	13.58	13.64	13.61	13.62	13.65	13.66	13.65	13.64	13.67
<b>Wholesale trade .....</b>	11.48	11.52	11.46	11.57	11.57	11.59	11.67	11.74	11.68	11.73	11.80	11.76	11.85
<b>Retail trade .....</b>	7.18	7.19	7.21	7.23	7.25	7.27	7.25	7.29	7.28	7.28	7.30	7.30	7.36
<b>Finance, insurance, and real estate .....</b>	10.93	11.06	10.99	11.09	11.09	11.11	11.15	11.34	11.26	11.30	11.48	11.38	11.48
<b>Services .....</b>	10.65	10.69	10.67	10.75	10.75	10.76	10.73	10.80	10.78	10.77	10.83	10.85	10.91
<b>Total private (in constant dollars)<sup>3</sup> .....</b>	7.40	7.41	7.40	7.40	7.38	7.39	7.36	7.39	7.38	7.37	7.39	7.40	( <sup>4</sup> )
	Average weekly earnings												
<b>Total private:</b>													
In current dollars .....	366.36	369.87	366.32	370.19	369.46	368.68	370.49	375.45	371.86	372.95	376.84	373.93	376.74
In constant (1982) dollars <sup>3</sup> .....	254.59	256.50	253.68	255.30	253.92	252.87	253.24	256.28	253.83	254.40	256.53	254.55	( <sup>4</sup> )

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

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

<sup>3</sup> The Consumer Price Index for Urban Wage Earners and Clerical

Workers (CPI-W) is used to deflate these series.

<sup>4</sup> Not available.

<sup>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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Alabama</b> .....	41.4	41.5	41.8	\$10.12	\$10.37	\$10.54	\$418.97	\$430.36	\$440.57
Birmingham .....	40.8	43.7	43.0	10.65	11.05	11.23	434.52	482.89	482.89
Mobile .....	44.2	42.7	43.4	12.41	12.66	12.84	548.52	540.58	557.28
<b>Alaska</b> .....	45.7	53.2	48.7	11.05	10.71	11.12	504.99	569.77	541.54
<b>Arizona</b> .....	40.3	40.8	40.5	10.96	11.06	11.11	441.69	451.25	449.96
<b>Arkansas</b> .....	41.9	41.9	41.8	9.05	9.22	9.37	379.20	386.32	391.67
Fayetteville-Springdale .....	45.3	43.7	41.9	8.14	8.40	8.72	366.74	367.08	365.37
Fort Smith .....	41.8	40.4	40.1	9.09	9.50	9.37	379.96	383.80	375.74
Little Rock-North Little Rock .....	41.6	42.6	41.9	9.84	9.75	9.86	401.02	415.35	413.13
Pine Bluff .....	41.4	42.4	43.6	10.44	10.66	10.76	432.22	451.98	469.14
<b>California</b> .....	40.2	41.1	40.9	12.30	12.41	12.48	494.46	510.05	510.43
Anaheim-Santa Ana .....	40.0	40.4	40.4	12.35	12.56	12.70	494.00	507.42	513.08
Bakersfield .....	38.8	41.0	39.9	12.48	12.83	12.66	484.22	517.83	505.13
Fresno .....	41.2	42.4	42.7	9.78	10.38	10.58	402.94	440.11	451.77
Los Angeles-Long Beach .....	40.6	41.6	41.2	11.60	11.49	11.51	470.96	477.98	474.21
Modesto .....	41.5	42.6	42.0	11.89	11.81	11.99	493.44	503.11	503.58
Oakland .....	40.6	41.2	40.3	14.31	14.81	14.79	580.99	610.17	596.04
Oxnard-Ventura .....	39.9	41.1	40.2	11.43	11.65	11.58	458.06	478.82	465.52
Riverside-San Bernardino .....	40.5	41.3	40.6	11.32	11.46	11.37	458.46	473.30	461.62
Sacramento .....	39.1	41.1	41.1	12.94	13.05	13.10	505.95	536.36	538.41
Salinas-Seaside-Monterey .....	39.6	40.2	39.5	12.24	12.68	12.77	484.70	509.74	504.42
San Diego .....	40.1	39.7	39.9	12.45	12.73	12.76	499.25	505.38	509.12
San Francisco .....	38.9	39.3	39.2	13.43	13.68	13.75	522.43	537.62	539.00
San Jose .....	40.7	41.7	41.6	14.59	14.91	14.95	593.81	621.75	621.92
Santa Barbara-Santa Maria-Lompoc .....	40.2	37.8	39.1	12.65	12.96	13.23	508.53	489.89	517.29
Santa Rosa-Petaluma .....	39.9	38.9	39.7	12.70	13.48	13.54	506.73	524.37	537.54
Stockton .....	44.7	43.9	43.2	12.13	11.99	12.09	542.21	528.36	522.29
Vallejo-Fairfield-Napa .....	41.2	40.8	41.9	14.30	14.08	14.28	589.16	574.46	598.33
<b>Colorado</b> .....	40.9	41.1	40.9	11.27	12.19	12.26	460.94	501.01	501.43
Denver .....	41.6	41.4	41.6	12.57	13.05	13.09	522.91	540.27	544.54
<b>Connecticut</b> .....	41.2	41.7	41.6	12.58	12.89	13.25	518.30	537.51	551.20
Bridgeport-Milford .....	40.9	40.8	41.5	13.38	13.50	13.70	547.24	550.80	568.55
Hartford .....	40.6	42.5	42.5	13.68	13.49	14.23	555.41	573.33	604.78
New Britain .....	41.1	43.0	41.8	13.04	13.29	13.62	535.94	571.47	569.32
New Haven-Meriden .....	40.4	41.2	40.5	12.15	12.85	12.90	490.86	529.42	522.45
Stamford .....	41.4	42.1	42.5	11.51	11.20	11.55	476.51	471.52	490.88
Waterbury .....	41.7	44.0	42.9	11.55	11.68	11.64	481.64	513.92	499.36
<b>Delaware</b> .....	39.4	43.1	42.9	12.36	13.25	13.53	486.98	571.08	580.44
Wilmington .....	38.7	44.2	44.6	14.84	15.68	15.90	574.31	693.06	709.14
<b>District of Columbia:</b>									
Washington MSA .....	39.2	39.9	40.4	14.10	14.15	14.07	552.72	564.59	568.43
<b>Florida</b> .....	40.4	41.0	40.9	9.75	9.80	9.91	393.90	401.80	405.32
<b>Georgia</b> .....	41.5	42.0	41.9	9.95	10.13	10.23	412.93	425.46	428.64
Atlanta .....	41.8	42.2	42.2	11.24	11.47	11.54	469.83	484.03	486.99
Savannah .....	48.0	44.3	44.4	13.13	13.21	13.12	630.24	585.20	582.53
<b>Hawaii</b> .....	38.0	40.4	39.4	11.39	11.96	12.09	432.82	483.18	476.35
Honolulu .....	35.7	38.4	37.6	12.13	12.48	12.69	433.04	479.23	477.14
<b>Idaho</b> .....	39.5	41.2	40.2	11.28	11.82	12.05	445.56	486.98	484.41
<b>Illinois</b> .....	41.1	41.4	41.4	11.94	12.08	12.13	490.73	500.11	502.18
Aurora-Elgin .....	41.6	41.7	41.0	11.70	11.97	12.05	486.72	499.15	494.05
Bloomington-Normal .....	39.5	43.1	43.4	14.77	16.11	16.15	583.42	694.34	700.91
Champaign-Urbana-Rantoul .....	40.0	40.7	40.5	10.69	10.48	10.56	427.60	426.54	427.68
Chicago .....	40.9	41.3	41.4	11.69	11.86	11.91	478.12	489.82	493.07
Davenport-Rock Island-Moline .....	40.7	41.2	41.7	14.08	14.00	14.03	573.06	576.80	585.05
Decatur .....	42.3	42.4	42.5	14.98	14.85	14.79	633.65	629.64	628.58
Joliet .....	41.3	40.7	40.3	13.83	13.69	13.77	571.18	557.18	554.93
Kankakee .....	39.8	42.2	42.1	12.07	12.94	12.94	480.39	546.07	544.77
Lake County .....	40.3	40.6	40.5	11.69	12.19	12.20	471.11	494.91	494.10
Peoria .....	42.4	42.8	41.8	14.77	15.02	15.02	626.25	642.86	627.84
Rockford .....	39.7	40.8	41.6	12.91	12.93	13.01	512.53	527.54	541.22
Springfield .....	39.6	39.7	39.9	11.60	11.97	11.83	459.36	475.21	472.02

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Indiana</b> .....	41.7	42.8	42.6	\$12.93	\$13.08	\$13.24	\$539.18	\$559.82	\$564.02
Anderson .....	41.1	42.8	37.6	17.11	17.68	21.41	703.22	756.70	805.02
Bloomington .....	42.1	44.9	44.3	12.15	11.35	11.05	511.52	509.62	489.52
Elkhart-Goshen .....	39.1	39.8	39.2	10.59	11.23	11.47	414.07	446.95	449.62
Evansville .....	42.3	41.8	42.6	12.81	13.61	13.25	541.86	568.90	564.45
Fort Wayne .....	39.5	42.6	43.0	13.52	13.32	13.27	534.04	567.43	570.61
Gary-Hammond .....	42.7	44.1	46.2	17.04	17.37	16.72	727.61	766.02	772.46
Indianapolis .....	43.4	43.1	43.2	13.63	13.48	13.82	591.54	580.99	597.02
Kokomo .....	41.2	42.1	43.1	17.00	18.11	18.48	700.40	762.43	796.49
Lafayette-West Lafayette .....	45.1	40.7	42.7	13.74	13.54	13.20	619.67	551.08	563.64
Muncie .....	43.5	44.8	44.5	13.62	14.35	15.00	592.47	642.88	667.50
South Bend-Mishawaka .....	41.5	43.4	43.0	12.01	11.91	12.27	498.42	516.89	527.61
Terre Haute .....	44.7	44.7	46.2	11.62	13.00	13.25	519.41	581.10	612.15
<b>Iowa</b> .....	41.9	41.5	41.9	12.20	12.08	12.49	511.18	501.32	523.33
Cedar Rapids .....	40.5	40.9	41.6	15.13	14.68	15.67	612.77	600.41	651.87
Des Moines .....	42.7	40.1	40.9	12.95	13.26	13.37	552.97	531.73	546.83
Dubuque .....	42.0	41.3	41.4	12.53	12.44	12.62	526.26	513.77	522.47
Sioux City .....	41.6	39.1	41.6	9.97	9.68	9.99	414.75	378.49	415.58
<b>Kansas</b> .....	40.7	41.8	41.6	11.71	12.03	12.24	476.60	502.85	509.18
Topeka .....	41.0	44.2	43.2	14.18	14.13	14.21	581.38	624.55	613.87
Wichita .....	40.2	41.2	40.6	13.62	13.92	14.03	547.52	573.50	569.62
<b>Kentucky</b> .....	40.1	40.6	40.2	11.34	11.54	11.58	454.73	468.52	465.52
Lexington-Fayette .....	40.9	41.6	41.5	12.21	12.11	11.93	499.39	503.78	495.10
Louisville .....	41.2	41.7	40.6	12.79	13.51	13.39	526.95	563.37	543.63
<b>Louisiana</b> .....	42.3	42.3	42.4	12.36	12.67	13.01	522.83	535.94	551.62
Baton Rouge .....	44.6	43.4	42.8	14.74	15.04	15.55	657.40	652.74	665.54
New Orleans .....	41.1	40.4	41.0	11.91	12.64	12.83	489.50	510.66	526.03
Shreveport .....	39.6	43.6	42.6	14.47	13.88	14.98	573.01	605.17	638.15
<b>Maine</b> .....	39.9	41.2	41.4	11.63	11.50	11.70	464.04	473.80	484.38
Lewiston-Auburn .....	39.2	41.4	44.3	9.21	9.69	9.69	361.03	401.17	429.27
Portland .....	38.1	39.6	40.0	10.71	10.48	10.58	408.05	415.01	423.20
<b>Maryland</b> .....	40.7	41.2	41.0	12.59	12.74	12.96	512.41	524.89	531.36
Baltimore MSA .....	40.6	41.4	41.1	13.14	13.42	13.69	533.48	555.59	562.66
<b>Massachusetts</b> .....	40.6	41.1	41.2	12.34	12.23	12.34	501.00	502.65	508.41
Boston .....	40.4	40.9	40.9	13.17	13.17	13.14	532.07	538.65	537.43
Springfield .....	39.0	40.7	41.3	12.10	12.07	12.21	471.90	491.25	504.27
Worcester .....	41.5	41.9	41.8	11.72	11.46	11.58	486.38	480.17	484.04
<b>Michigan</b> .....	40.4	42.8	43.3	15.01	15.08	15.53	606.40	645.42	672.45
Ann Arbor .....	40.7	45.0	44.5	16.16	17.19	17.28	657.71	773.55	766.96
Battle Creek .....	41.9	44.2	45.0	15.82	16.62	16.96	662.86	734.60	763.20
Detroit .....	42.4	43.5	44.1	16.38	16.38	16.92	694.51	712.53	746.17
Flint .....	37.6	43.2	45.8	18.52	19.93	20.44	686.35	860.98	936.15
Grand Rapids .....	38.7	42.6	41.9	12.49	12.51	12.86	483.36	532.93	538.83
Jackson .....	43.1	42.9	43.4	10.97	10.82	11.00	472.81	464.18	477.40
Kalamazoo .....	41.4	43.0	42.9	14.57	14.41	14.95	603.20	619.63	641.35
Lansing-East Lansing .....	31.9	41.7	40.1	17.29	15.85	16.45	551.55	660.94	659.64
Muskegon .....	39.5	41.5	39.9	12.29	12.36	12.36	485.45	510.03	493.16
Saginaw-Bay City-Midland .....	42.0	42.8	42.7	16.56	17.12	17.85	695.52	732.74	762.19
<b>Minnesota</b> .....	41.0	40.8	41.5	12.01	12.13	12.27	492.41	494.90	509.21
Duluth .....	42.5	38.9	40.5	12.06	11.49	12.09	512.55	446.96	489.65
Minneapolis-St. Paul .....	40.9	41.1	41.5	12.84	12.94	13.15	525.16	531.83	545.73
St. Cloud .....	40.3	39.4	39.2	10.58	10.80	10.94	426.37	425.52	428.85
<b>Mississippi</b> .....	40.4	41.0	41.3	8.95	9.13	9.22	361.58	374.33	380.79
Jackson .....	38.8	40.8	41.0	9.54	9.74	9.86	370.15	397.39	404.26
<b>Missouri</b> .....	40.0	41.0	41.3	11.41	11.49	11.71	456.40	471.09	483.62
Kansas City .....	41.1	41.0	42.2	13.17	13.15	13.67	541.29	539.15	576.87
St. Louis .....	41.5	42.4	42.4	13.85	13.71	13.87	574.78	581.30	588.09
Springfield .....	38.2	42.7	41.4	10.17	10.03	10.02	388.49	428.28	414.83
<b>Montana</b> .....	38.7	37.7	38.1	12.90	12.42	12.70	499.23	468.23	483.87

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Nebraska</b> .....	41.9	42.3	42.2	\$10.31	\$10.57	\$10.58	\$431.99	\$447.11	\$446.48
Lincoln .....	42.3	43.2	40.8	11.61	12.27	12.10	491.10	530.06	493.68
Omaha .....	41.5	41.6	41.9	10.68	10.87	11.19	443.22	452.19	468.86
<b>Nevada</b> .....	40.2	41.4	39.8	11.81	11.51	11.78	474.76	476.51	468.84
Las Vegas .....	41.6	41.8	41.0	13.11	12.75	12.90	545.38	532.95	528.90
<b>New Hampshire</b> .....	40.5	42.1	42.2	11.41	11.65	11.64	462.11	490.47	491.21
Manchester .....	41.2	42.8	43.1	11.25	11.15	11.09	463.50	477.22	477.98
Nashua .....	41.6	43.3	43.4	13.96	15.06	14.85	580.74	652.10	644.49
Portsmouth-Dover-Rochester .....	41.7	41.8	41.9	11.07	11.37	11.33	461.62	475.27	474.73
<b>New Jersey</b> .....	41.2	41.4	41.4	12.58	12.99	13.14	518.30	537.79	544.00
<b>New Mexico</b> .....	41.1	41.9	42.7	9.55	9.91	9.76	392.51	415.23	416.75
Albuquerque .....	40.5	41.2	41.2	10.25	10.18	10.18	415.13	419.42	419.42
<b>New York</b> .....	40.0	40.2	40.0	11.75	11.97	12.09	470.00	481.19	483.60
Albany-Schenectady-Troy .....	41.4	40.5	41.1	13.27	13.62	14.06	549.38	551.61	577.87
Binghamton .....	39.9	41.2	40.9	9.70	9.73	9.77	387.03	400.88	399.59
Buffalo .....	41.5	44.5	43.6	14.07	14.96	15.07	583.91	665.72	657.05
Elmira .....	40.2	42.1	41.0	11.10	11.13	11.30	446.22	468.57	463.30
Nassau-Suffolk .....	40.0	39.0	38.7	11.54	11.29	11.44	461.60	440.31	442.73
New York PMSA .....	38.0	37.9	37.7	10.48	10.78	10.78	398.24	405.53	406.41
New York City .....	37.7	37.5	37.2	10.27	10.39	10.49	387.18	389.63	390.23
Niagara Falls .....	40.2	40.0	41.4	15.05	15.42	15.67	605.01	616.80	648.74
Orange County .....	40.4	40.8	38.9	10.24	10.38	10.45	413.70	423.50	406.51
Poughkeepsie .....	41.3	40.9	40.3	10.78	11.04	10.99	445.21	451.54	442.90
Rochester .....	41.3	40.3	40.6	13.70	13.74	13.90	565.81	553.72	564.34
Rockland County .....	43.6	42.8	42.2	13.75	13.87	13.85	599.50	593.64	584.47
Syracuse .....	41.4	41.8	42.0	13.28	13.40	13.35	549.79	560.12	560.70
Utica-Rome .....	39.8	41.7	41.6	11.04	10.99	10.98	439.39	458.28	456.77
Westchester County .....	39.5	40.1	40.9	11.89	12.10	12.13	469.66	485.21	496.12
<b>North Carolina</b> .....	41.0	41.0	41.1	9.57	9.82	9.80	392.37	402.62	402.78
Asheville .....	41.3	40.5	40.7	9.72	9.94	9.86	401.44	402.57	401.30
Charlotte-Gastonia-Rock Hill .....	41.3	41.5	41.7	10.21	10.41	10.39	421.67	432.02	433.26
Greensboro-Winston-Salem-High Point .....	39.8	40.1	39.5	10.30	10.67	10.57	409.94	427.87	417.52
Raleigh-Durham .....	41.0	41.2	41.1	10.39	10.88	10.93	425.99	448.26	449.22
<b>North Dakota</b> .....	40.1	41.8	41.6	9.72	10.36	10.32	389.77	433.05	429.31
Fargo-Moorhead .....	38.0	43.0	42.4	8.81	9.35	9.44	334.78	402.05	400.26
<b>Ohio</b> .....	42.4	42.5	43.1	13.60	13.99	14.20	576.64	594.58	612.02
Akron .....	41.6	43.1	42.8	12.42	12.93	12.96	516.67	557.28	554.69
Canton .....	41.9	40.3	41.3	12.22	12.30	12.36	512.02	495.69	510.47
Cincinnati .....	42.7	42.3	42.7	12.98	13.10	13.16	554.25	554.13	561.93
Cleveland .....	42.0	42.4	42.6	12.94	13.34	13.52	543.48	565.62	575.95
Columbus .....	42.5	41.6	42.2	13.36	13.54	13.66	587.80	563.26	576.45
Dayton-Springfield .....	41.7	43.7	42.6	14.41	15.26	15.11	600.90	666.86	643.69
Toledo .....	43.0	45.0	46.1	14.82	15.84	16.13	637.26	712.80	743.59
Youngstown-Warren .....	42.6	42.3	42.6	15.98	16.51	16.71	680.75	698.37	711.85
<b>Oklahoma</b> .....	41.2	41.6	41.8	11.43	11.23	11.39	470.92	467.17	476.10
Oklahoma City .....	42.9	42.2	43.4	11.57	11.98	12.17	496.35	505.56	528.18
Tulsa .....	41.2	41.3	40.9	12.16	11.97	12.24	500.99	494.36	500.62
<b>Oregon</b> .....	38.6	40.0	39.3	12.03	12.21	12.20	464.36	488.40	479.46
Eugene-Springfield .....	38.0	40.1	39.3	11.87	12.43	12.11	451.06	498.44	475.92
Medford .....	39.0	42.4	40.6	11.44	11.80	11.68	446.16	500.32	482.33
Portland .....	39.8	40.1	40.5	12.63	12.56	12.57	502.67	503.66	509.09
Salem .....	35.1	36.1	38.4	9.71	10.01	9.80	340.82	361.36	376.32
<b>Pennsylvania</b> .....	41.0	41.2	41.2	11.93	12.14	12.28	489.13	500.17	505.94
Allentown-Bethlehem .....	39.5	40.2	39.9	11.81	11.94	12.13	466.50	479.99	483.99
Alltoona .....	40.5	41.2	40.4	10.07	10.02	10.11	407.84	412.82	408.44
Beaver County .....	46.8	46.5	46.2	11.61	11.94	11.91	543.35	555.21	550.24
Erie .....	43.2	43.0	42.6	12.67	12.96	13.04	547.34	557.28	555.50
Harrisburg-Lebanon-Carlisle .....	40.8	40.3	40.7	11.30	11.55	11.59	461.04	465.47	471.71
Johnstown .....	38.0	39.4	39.5	9.19	9.29	9.44	349.22	366.03	372.88

See footnotes at end of table.

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

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

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>p</sup>
<b>Pennsylvania—Continued</b>									
Lancaster .....	40.2	41.3	40.5	\$11.57	\$11.95	\$12.02	\$465.11	\$493.54	\$486.81
Philadelphia PMSA .....	40.4	40.7	41.0	13.11	13.41	13.48	529.64	545.79	552.68
Pittsburgh .....	42.2	42.0	41.9	12.63	13.12	13.20	532.99	551.04	553.08
Reading .....	40.3	42.0	41.9	12.38	12.70	12.81	498.91	533.40	536.74
Scranton-Wilkes-Barre .....	39.9	39.9	39.4	10.63	10.73	10.81	424.14	428.13	425.91
Sharon .....	40.3	44.1	43.9	12.23	12.05	12.30	492.87	531.41	539.97
State College .....	39.9	40.6	39.8	10.35	10.52	10.64	412.97	427.11	423.47
Williamsport .....	41.6	42.4	42.2	10.24	10.34	10.46	425.98	438.42	441.41
York .....	42.4	42.4	42.6	11.54	11.88	12.02	489.30	503.71	512.05
<b>Rhode Island</b>									
Pawtucket-Woonsocket-Attleboro .....	39.8	38.7	39.9	10.13	10.19	10.26	403.17	394.35	409.37
Providence .....	39.2	38.7	40.0	9.71	9.92	9.92	380.63	383.90	396.80
Providence .....	40.2	37.9	39.5	10.16	10.27	10.46	408.43	389.23	413.17
<b>South Carolina</b>									
.....	41.7	41.6	41.5	9.56	9.86	9.88	398.65	410.18	410.02
<b>South Dakota</b>									
.....	40.8	40.7	41.7	9.07	8.80	9.00	370.06	358.16	375.30
Rapid City .....	40.5	40.9	39.8	9.04	8.99	9.41	366.12	367.69	374.52
Sioux Falls .....	40.8	39.8	41.0	9.35	9.11	9.15	381.48	362.58	375.15
<b>Tennessee</b>									
.....	39.9	40.9	40.3	10.25	10.27	10.50	408.98	420.04	423.15
Chattanooga .....	40.3	40.5	39.7	9.87	9.83	10.10	397.78	398.12	400.97
Johnson City-Kingsport-Bristol .....	38.5	39.7	39.6	10.74	10.10	10.28	413.49	400.97	407.09
Knoxville .....	39.8	39.8	39.8	9.93	9.84	9.99	395.21	391.63	397.60
Memphis .....	41.3	41.2	41.3	10.58	10.66	10.75	436.95	439.19	443.98
Nashville .....	40.2	40.9	41.0	11.45	11.55	11.74	460.29	472.40	481.34
<b>Texas</b>									
.....	42.6	42.7	42.9	10.96	11.10	11.11	466.90	473.97	476.62
Dallas .....	41.8	42.9	43.2	10.65	10.85	10.84	445.17	465.47	468.29
Ft. Worth-Arlington .....	41.6	42.7	43.2	11.75	12.04	12.05	488.80	514.11	520.56
Houston .....	44.6	44.6	44.2	13.43	13.31	13.39	598.98	593.63	591.84
San Antonio .....	41.9	41.6	41.4	8.36	8.60	8.64	350.28	357.76	357.70
<b>Utah</b>									
.....	40.5	39.8	40.0	11.01	11.22	11.27	445.91	446.56	450.80
Salt Lake City-Ogden .....	40.7	40.5	41.2	11.30	11.51	11.72	459.91	466.16	482.86
<b>Vermont</b>									
.....	41.1	41.5	40.8	11.67	11.61	11.64	479.64	481.82	474.91
Burlington .....	41.6	41.8	41.8	11.75	11.74	11.87	488.80	490.73	496.17
<b>Virginia</b>									
.....	41.1	41.3	41.5	10.89	10.94	11.01	447.58	451.82	456.92
Bristol .....	39.3	39.2	40.6	9.11	9.14	9.16	358.02	358.29	371.90
Charlottesville .....	38.2	40.9	39.9	9.64	9.69	9.72	368.25	396.32	387.83
Danville .....	41.2	41.6	42.2	10.72	10.95	11.10	441.66	455.52	468.42
Lynchburg .....	41.0	41.9	42.0	10.50	10.78	10.86	430.50	451.68	456.12
Northern Virginia .....	41.8	40.7	40.8	12.72	13.74	13.77	531.70	559.22	561.82
Richmond-Petersburg .....	43.0	42.8	42.5	14.22	13.83	13.91	611.46	591.92	591.18
Roanoke .....	40.7	42.4	43.2	11.97	12.29	12.74	487.18	521.10	550.37
<b>Washington</b>									
.....	39.6	39.9	40.0	13.66	13.76	13.94	540.94	549.02	557.60
<b>West Virginia</b>									
.....	41.0	40.8	41.0	12.13	12.26	12.37	497.33	500.21	507.17
Charleston .....	46.9	44.5	47.7	14.78	14.92	15.04	693.18	663.94	717.41
Huntington-Ashland .....	41.1	40.7	40.6	13.98	14.21	14.23	574.58	578.35	577.74
Parkersburg-Marietta .....	41.7	40.6	39.4	14.93	14.37	14.36	622.58	583.42	565.78
Wheeling .....	40.8	38.0	39.3	14.29	13.45	14.57	583.03	511.10	572.60
<b>Wisconsin</b>									
.....	42.1	41.6	42.6	11.88	11.97	12.14	500.15	497.95	517.16
Appleton-Oshkosh .....	43.9	43.1	44.6	12.91	13.03	13.31	566.75	561.59	593.63
Eau Claire .....	40.5	40.1	40.7	11.96	11.90	12.29	484.38	477.19	500.20
Green Bay .....	43.6	41.6	41.7	12.67	12.83	12.92	552.41	533.73	538.76
Janesville-Beloit .....	44.2	40.1	40.7	15.57	15.13	15.32	688.19	606.71	623.52
Kenosha .....	37.6	38.3	40.5	12.47	13.06	13.08	468.87	500.20	529.74
La Crosse .....	38.0	40.7	39.7	10.04	10.58	10.94	381.52	430.61	434.32
Madison .....	42.1	40.3	42.7	10.96	11.19	11.45	461.42	450.96	488.92
Milwaukee .....	40.9	41.0	41.7	12.97	13.21	13.17	530.47	541.61	549.19
Racine .....	41.6	40.7	40.0	12.55	12.15	12.27	522.08	494.51	490.80
Sheboygan .....	42.2	42.4	43.0	11.77	12.24	12.55	496.69	518.98	539.65
Wausau .....	42.2	42.3	44.7	11.31	11.70	12.05	477.28	494.91	538.64
<b>Wyoming</b>									
.....	38.1	38.9	39.2	11.22	11.94	12.11	427.48	464.47	474.71
<b>Puerto Rico</b>									
.....	39.3	( <sup>1</sup> )	( <sup>1</sup> )	6.67	( <sup>1</sup> )	( <sup>1</sup> )	262.13	( <sup>1</sup> )	( <sup>1</sup> )
<b>Virgin Islands</b>									
.....	42.8	43.6	46.3	14.13	15.13	15.14	604.76	659.67	700.98

<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		
	Aug. 1993 <sup>f</sup>	Sept. 1993 <sup>f</sup>	Oct. 1993 <sup>p</sup>	Oct. 1992 to Oct. 1993 <sup>p</sup>	Aug. 1993 to Sept. 1993 <sup>f</sup>	Sept. 1993 to Oct. 1993 <sup>p</sup>
Total .....	204,758	203,993	205,105	2.2	-.4	.5
Private sector .....	167,119	165,955	167,026	2.2	-.7	.6
Mining .....	1,377	1,364	1,390	-1.9	-.9	1.9
Construction .....	9,267	9,151	9,235	4.7	-1.2	.9
Manufacturing .....	37,998	37,959	38,079	-.3	-.1	.3
Durable goods .....	21,646	21,651	21,730	-.3	.0	.4
Nondurable goods .....	16,352	16,308	16,349	-.3	-.3	.3
Transportation and public utilities .....	11,847	11,744	11,804	1.8	-.9	.5
Wholesale trade .....	12,163	12,049	12,139	1.2	-.9	.7
Retail trade .....	29,748	29,709	29,810	2.6	-.1	.3
Finance, insurance, and real estate .....	12,526	12,232	12,360	1.0	-2.4	1.1
Services .....	52,194	51,747	52,209	4.1	-.9	.9
Government .....	37,639	38,037	38,079	2.1	1.1	.1

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

<sup>p</sup> = preliminary.

<sup>f</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<sup>1</sup>

(1982=100)

Item	Annual average		Quarterly index										
	1991	1992 <sup>1</sup>	1991				1992				1993		
			I <sup>2</sup>	II <sup>2</sup>	III <sup>2</sup>	IV <sup>2</sup>	I <sup>2</sup>	II <sup>2</sup>	III <sup>2</sup>	IV <sup>2</sup>	I <sup>2</sup>	II <sup>2</sup>	III <sup>2</sup>
<b>Business sector</b>													
Output per hour of all persons.....	111.8	115.5	110.9	111.6	111.8	112.8	114.1	114.8	116.0	117.1	116.6	116.6	117.6
Output.....	131.6	135.4	131.0	131.5	131.5	132.4	133.3	134.5	136.0	137.9	138.0	139.3	140.4
Hours.....	117.7	117.3	118.1	117.8	117.6	117.3	116.8	117.1	117.2	117.7	118.3	119.5	119.4
Compensation per hour.....	147.4	154.9	144.9	146.6	148.2	150.1	152.2	153.7	156.1	157.8	159.1	160.1	161.5
Real compensation per hour.....	104.5	106.5	103.6	104.2	104.7	105.2	105.8	106.0	106.9	107.3	107.1	107.0	107.7
Unit labor costs.....	131.9	134.1	130.6	131.4	132.6	133.1	133.4	133.9	134.5	134.8	136.4	137.3	137.4
Unit nonlabor payments.....	144.7	149.6	143.3	145.0	144.9	145.7	148.5	149.9	147.3	152.6	152.1	153.1	154.1
Implicit price deflator.....	136.1	139.2	134.8	135.8	136.6	137.2	138.3	139.1	138.7	140.6	141.6	142.5	142.9
<b>Nonfarm business sector</b>													
Output per hour of all persons.....	110.3	113.7	109.4	110.2	110.4	111.3	112.4	113.1	114.1	115.3	114.8	114.7	115.8
Output.....	131.8	135.4	131.2	131.7	131.8	132.6	133.3	134.4	135.9	137.9	138.1	139.5	140.9
Hours.....	119.5	119.1	119.9	119.5	119.4	119.2	118.7	118.8	119.0	119.6	120.3	121.6	121.7
Compensation per hour.....	146.2	153.7	143.7	145.4	147.1	148.8	150.9	152.6	154.8	156.6	157.7	158.4	159.8
Real compensation per hour.....	103.6	105.7	102.7	103.4	103.9	104.3	104.8	105.2	106.0	106.4	106.2	105.9	106.5
Unit labor costs.....	132.6	135.1	131.3	132.0	133.2	133.7	134.3	134.9	135.6	135.8	137.4	138.2	138.0
Unit nonlabor payments.....	146.2	151.1	144.8	146.1	146.4	147.7	149.8	151.5	148.7	154.4	153.8	154.8	156.3
Implicit price deflator.....	137.0	140.3	135.7	136.6	137.5	138.2	139.3	140.2	139.8	141.8	142.7	143.5	143.9
<b>Manufacturing</b>													
Output per hour of all persons.....	123.4	128.7	121.7	122.8	124.4	125.1	126.3	127.9	129.0	131.2	132.8	134.7	135.5
Output.....	126.7	130.6	125.4	125.6	127.6	128.0	128.7	130.3	130.7	132.8	135.0	136.1	136.6
Hours.....	102.6	101.5	103.0	102.3	102.6	102.3	101.8	101.9	101.3	101.2	101.6	101.0	100.8
Compensation per hour.....	141.9	148.1	139.3	141.1	142.6	145.0	145.4	147.1	148.7	150.8	149.9	151.7	153.1
Real compensation per hour.....	100.5	101.9	99.5	100.3	100.7	101.6	101.0	101.5	101.9	102.5	100.9	101.4	102.0
Unit labor costs.....	115.0	115.1	114.5	114.8	114.7	115.9	115.1	115.1	115.2	114.9	112.9	112.6	112.9
<b>Durable goods</b>													
Output per hour of all persons.....	131.0	139.2	128.8	129.7	132.0	133.8	135.1	138.1	139.8	143.3	146.3	149.2	150.4
Output.....	132.0	137.4	130.7	130.7	132.8	133.6	134.4	136.8	137.5	140.8	144.3	145.8	146.8
Hours.....	100.7	98.7	101.4	100.8	100.6	99.9	99.5	99.1	98.3	98.2	98.6	97.7	97.6
Compensation per hour.....	139.8	146.0	137.1	138.7	140.4	143.4	143.0	144.9	146.4	149.2	147.8	149.5	150.7
Real compensation per hour.....	99.1	100.4	98.0	98.6	99.2	100.4	99.4	99.9	100.3	101.4	99.5	99.9	100.4
Unit labor costs.....	106.7	104.9	106.4	107.0	106.4	107.2	105.8	104.9	104.7	104.1	101.0	100.1	100.2
<b>Nondurable goods</b>													
Output per hour of all persons.....	114.1	116.0	112.8	114.3	115.0	114.5	115.6	115.5	116.0	116.7	116.7	117.5	117.9
Output.....	120.1	122.4	118.8	119.4	121.2	121.1	121.6	122.3	122.3	123.1	123.6	124.2	124.2
Hours.....	105.3	105.4	105.3	104.5	105.3	105.8	105.2	105.9	105.5	105.5	106.0	105.7	105.4
Compensation per hour.....	146.1	152.7	143.5	145.5	147.0	148.5	150.2	151.9	153.5	154.5	154.5	156.6	158.2
Real compensation per hour.....	103.5	105.0	102.6	103.4	103.8	104.1	104.4	104.7	105.1	105.0	104.1	104.7	105.5
Unit labor costs.....	128.0	131.6	127.1	127.2	127.8	129.8	130.0	131.5	132.4	132.4	132.5	133.3	134.3
<b>Nonfinancial corporations</b>													
Output per all-employee hour.....	114.7	119.4	113.6	114.1	114.8	116.5	117.3	118.6	120.3	121.7	120.4	121.6	( <sup>3</sup> )
Output.....	135.4	141.0	134.6	134.5	135.3	137.2	137.9	140.0	141.9	144.3	143.3	145.7	( <sup>3</sup> )
Hours.....	118.0	118.1	118.5	117.9	117.9	117.7	117.6	118.0	117.9	118.6	119.0	119.9	( <sup>3</sup> )
Compensation per hour.....	143.8	150.4	141.5	143.0	144.6	146.4	147.9	149.5	151.6	153.0	153.9	154.8	( <sup>3</sup> )
Real compensation per hour.....	101.9	103.4	101.1	101.7	102.1	102.6	102.8	103.1	103.8	104.0	103.6	103.5	( <sup>3</sup> )
Total unit costs.....	124.4	124.3	123.7	124.3	124.9	124.5	124.7	124.3	124.7	123.7	125.4	125.0	( <sup>3</sup> )
Unit labor costs.....	125.4	126.0	124.5	125.3	125.9	125.7	126.1	126.0	126.0	125.8	127.8	127.3	( <sup>3</sup> )
Unit nonlabor costs.....	121.9	120.2	121.5	121.6	122.5	121.8	121.1	120.0	121.3	118.3	119.6	119.2	( <sup>3</sup> )
Unit profits.....	154.9	177.0	155.1	157.0	150.4	157.2	164.1	175.5	172.4	195.3	182.8	193.9	( <sup>3</sup> )
Implicit price deflator.....	126.3	127.6	125.6	126.3	126.5	126.6	127.1	127.5	127.6	128.1	129.0	129.3	( <sup>3</sup> )

<sup>1</sup> The hours series underlying the productivity and cost measures have been revised to reflect the 1992 Hours at Work Survey. Productivity and cost measures for nonfinancial corporations have been revised to incorporate revisions announced by the Bureau of Economic Analysis, U.S. Department of Commerce on September 28.

<sup>2</sup> Not available.

<sup>3</sup> = revised.

<sup>P</sup> = preliminary.

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<sup>1</sup>

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	II 1992'	III 1992'	IV 1992'	I 1993'	II 1993'	III 1993 <sup>p</sup>	II 1992'	III 1992'	IV 1992'	I 1993'	II 1993'	III 1993 <sup>p</sup>
<b>Business sector</b>												
Output per hour of all persons.....	2.5	4.2	3.8	-1.6	.0	3.3	2.9	3.8	3.8	2.2	1.6	1.3
Output.....	3.4	4.6	5.6	.5	3.8	3.2	2.3	3.4	4.1	3.5	3.6	3.3
Hours.....	1.0	.4	1.8	2.1	3.8	-1	-6	-4	.3	1.3	2.0	1.9
Compensation per hour.....	4.1	6.2	4.6	3.3	2.5	3.7	4.8	5.3	5.1	4.5	4.1	3.5
Real compensation per hour.....	.9	3.4	1.4	-.5	-.4	2.5	1.7	2.1	2.0	1.3	1.0	.7
Unit labor costs.....	1.6	1.9	.7	5.0	2.5	.4	1.9	1.4	1.3	2.3	2.5	2.1
Unit nonlabor payments.....	3.9	-6.7	15.2	-1.4	2.6	2.8	3.4	1.7	4.7	2.4	2.1	4.6
Implicit price deflator.....	2.4	-1.2	5.6	2.7	2.6	1.2	2.4	1.5	2.5	2.3	2.4	3.0
<b>Nonfarm business sector</b>												
Output per hour of all persons.....	2.8	3.6	4.2	-1.8	-.4	3.9	2.7	3.4	3.6	2.1	1.3	1.4
Output.....	3.3	4.4	6.0	.6	4.0	4.1	2.1	3.1	3.9	3.6	3.8	3.7
Hours.....	.5	.8	1.8	2.5	4.4	.2	-.6	-.3	.3	1.4	2.4	2.2
Compensation per hour.....	4.7	5.9	4.6	2.9	1.9	3.5	4.9	5.3	5.2	4.5	3.8	3.2
Real compensation per hour.....	1.5	3.1	1.4	-.9	-1.0	2.3	1.8	2.1	2.1	1.3	.6	.4
Unit labor costs.....	1.8	2.2	.4	4.8	2.3	-.4	2.2	1.8	1.5	2.3	2.4	1.8
Unit nonlabor payments.....	4.5	-7.2	16.2	-1.6	2.8	4.0	3.7	1.6	4.5	2.6	2.2	5.1
Implicit price deflator.....	2.7	-1.1	5.6	2.5	2.4	1.1	2.7	1.7	2.6	2.4	2.3	2.9
<b>Manufacturing</b>												
Output per hour of all persons.....	5.0	3.6	7.0	5.0	5.9	2.4	4.1	3.7	4.9	5.1	5.4	5.0
Output.....	5.2	1.1	6.8	6.6	3.4	1.5	3.7	2.4	3.8	4.9	4.5	4.6
Hours.....	.2	-2.4	-.2	1.5	-2.4	-.8	-.4	-1.3	-1.1	-.2	-.9	-.5
Compensation per hour.....	4.9	4.2	5.8	-2.3	4.9	3.6	4.3	4.2	4.0	3.1	3.1	2.9
Real compensation per hour.....	1.7	1.5	2.5	-5.9	1.9	2.4	1.2	1.1	.9	-.1	.0	.2
Unit labor costs.....	-.1	.6	-1.1	-7.0	-1.0	1.2	.2	.5	-.8	-1.9	-2.2	-2.0
<b>Durable goods</b>												
Output per hour of all persons.....	9.1	5.1	10.3	8.7	8.2	3.1	6.5	5.9	7.1	8.3	8.1	7.5
Output.....	7.4	2.0	9.8	10.4	4.4	2.6	4.7	3.5	5.4	7.3	6.6	6.7
Hours.....	-1.5	-3.0	-.5	1.5	-3.5	-.5	-1.7	-2.3	-1.6	-.9	-1.4	-.7
Compensation per hour.....	5.4	4.2	7.9	-3.8	4.6	3.2	4.5	4.3	4.1	3.3	3.1	2.9
Real compensation per hour.....	2.3	1.5	4.6	-7.3	1.6	2.0	1.3	1.1	1.0	.1	.0	.1
Unit labor costs.....	-3.3	-.8	-2.2	-11.5	-3.4	.1	-1.9	-1.6	-2.8	-4.6	-4.6	-4.3
<b>Nondurable goods</b>												
Output per hour of all persons.....	-.2	1.5	2.5	-.1	2.9	1.3	1.0	.8	1.9	.9	1.7	1.6
Output.....	2.3	.0	2.7	1.5	2.0	.0	2.4	1.0	1.7	1.6	1.6	1.6
Hours.....	2.5	-1.5	.2	1.6	-.8	-1.3	1.4	.1	-.3	.7	-.2	-.1
Compensation per hour.....	4.4	4.4	2.7	.0	5.6	4.2	4.4	4.4	4.0	2.9	3.1	3.1
Real compensation per hour.....	1.2	1.6	-.4	-3.7	2.6	3.0	1.3	1.3	.9	-.3	.0	.3
Unit labor costs.....	4.6	2.8	.2	.1	2.6	2.9	3.3	3.6	2.1	1.9	1.4	1.4
<b>Nonfinancial corporations</b>												
Output per all-employee hour.....	4.8	5.8	4.5	-4.0	3.9	( <sup>2</sup> )	4.0	4.8	4.4	2.7	2.5	( <sup>2</sup> )
Output.....	6.4	5.4	6.9	-2.7	7.0	( <sup>2</sup> )	4.1	4.8	5.2	3.9	4.1	( <sup>2</sup> )
Hours.....	1.6	-.4	2.2	1.3	3.0	( <sup>2</sup> )	.1	.1	.8	1.2	1.5	( <sup>2</sup> )
Compensation per hour.....	4.5	5.6	4.0	2.2	2.4	( <sup>2</sup> )	4.5	4.8	4.5	4.1	3.5	( <sup>2</sup> )
Real compensation per hour.....	1.4	2.8	.8	-1.6	-.5	( <sup>2</sup> )	1.4	1.7	1.4	.8	.4	( <sup>2</sup> )
Total unit costs.....	-1.2	1.1	-3.1	5.9	-1.4	( <sup>2</sup> )	.0	-.2	-.7	.6	.6	( <sup>2</sup> )
Unit labor costs.....	-.2	-.2	-.5	6.4	-1.5	( <sup>2</sup> )	.6	.1	-.1	1.3	1.0	( <sup>2</sup> )
Unit nonlabor costs.....	-3.6	4.6	-9.7	4.3	-1.3	( <sup>2</sup> )	-1.4	-1.0	-2.8	-1.3	-.7	( <sup>2</sup> )
Unit profits.....	30.6	-6.8	64.6	-23.1	26.4	( <sup>2</sup> )	11.8	14.6	24.2	11.4	10.5	( <sup>2</sup> )
Implicit price deflator.....	1.1	.4	1.5	2.8	.8	( <sup>2</sup> )	.9	.9	1.2	1.5	1.4	( <sup>2</sup> )

<sup>1</sup> The hours series underlying the productivity and cost measures have been revised to reflect the 1992 Hours at Work Survey. Productivity and cost measures for nonfinancial corporations have been revised to incorporate revisions announced by the Bureau of Economic Analysis, U.S. Department of Commerce on September 28.

<sup>2</sup> Not available.

' = revised.

<sup>p</sup> = preliminary.

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.
<b>NORTHEAST</b>													
Civilian noninstitutional population <sup>2</sup> .....	39,518	39,533	39,547	39,551	39,555	39,567	39,570	39,572	39,577	39,582	39,584	39,589	39,596
Civilian labor force .....	25,567	25,727	25,746	25,688	25,612	25,564	25,425	25,591	25,534	25,522	25,608	25,457	25,553
Employed .....	23,489	23,641	23,653	23,649	23,665	23,703	23,583	23,756	23,733	23,733	23,749	23,676	23,740
Unemployed .....	2,078	2,086	2,093	2,039	1,947	1,862	1,837	1,835	1,802	1,789	1,858	1,781	1,813
Unemployment rate .....	8.1	8.1	8.1	7.9	7.6	7.3	7.2	7.2	7.1	7.0	7.3	7.0	7.1
<b>New England</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,224	10,231	10,236	10,239	10,241	10,247	10,244	10,243	10,242	10,241	10,239	10,238	10,238
Civilian labor force .....	7,075	7,140	7,123	7,127	7,054	7,054	6,985	7,007	7,082	7,069	7,097	7,097	7,089
Employed .....	6,511	6,544	6,530	6,562	6,524	6,557	6,499	6,536	6,633	6,629	6,641	6,631	6,623
Unemployed .....	564	597	593	565	530	497	486	470	449	440	456	466	466
Unemployment rate .....	8.0	8.4	8.3	7.9	7.5	7.0	7.0	6.7	6.3	6.2	6.4	6.6	6.6
<b>Middle Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	29,294	29,302	29,312	29,312	29,314	29,320	29,326	29,329	29,335	29,341	29,345	29,351	29,358
Civilian labor force .....	18,492	18,587	18,623	18,561	18,558	18,511	18,440	18,585	18,452	18,453	18,511	18,360	18,464
Employed .....	16,978	17,098	17,123	17,087	17,141	17,146	17,089	17,220	17,100	17,104	17,109	17,045	17,117
Unemployed .....	1,514	1,489	1,500	1,474	1,417	1,365	1,351	1,365	1,353	1,348	1,402	1,315	1,347
Unemployment rate .....	8.2	8.0	8.1	7.9	7.6	7.4	7.3	7.3	7.3	7.3	7.6	7.2	7.3
<b>SOUTH</b>													
Civilian noninstitutional population <sup>2</sup> .....	66,036	66,108	66,186	66,241	66,302	66,372	66,447	66,520	66,598	66,677	66,750	66,832	66,911
Civilian labor force .....	43,109	43,161	43,249	43,099	43,460	43,417	43,239	43,569	43,525	43,422	43,641	43,539	43,746
Employed .....	40,092	40,184	40,313	40,176	40,667	40,465	40,315	40,774	40,639	40,551	40,783	40,915	40,891
Unemployed .....	3,017	2,977	2,936	2,923	2,792	2,952	2,924	2,795	2,886	2,872	2,858	2,624	2,855
Unemployment rate .....	7.0	6.9	6.8	6.8	6.4	6.8	6.8	6.4	6.6	6.6	6.5	6.0	6.5
<b>South Atlantic</b>													
Civilian noninstitutional population <sup>2</sup> .....	34,220	34,265	34,317	34,355	34,396	34,441	34,480	34,516	34,555	34,596	34,632	34,672	34,712
Civilian labor force .....	22,448	22,480	22,577	22,588	22,815	22,729	22,679	22,746	22,722	22,594	22,675	22,645	22,737
Employed .....	20,906	20,949	21,140	21,100	21,360	21,226	21,199	21,356	21,257	21,135	21,208	21,350	21,318
Unemployed .....	1,542	1,531	1,437	1,488	1,456	1,502	1,480	1,390	1,465	1,458	1,467	1,295	1,419
Unemployment rate .....	6.9	6.8	6.4	6.6	6.4	6.6	6.5	6.1	6.4	6.5	6.5	5.7	6.2
<b>East South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	11,731	11,740	11,748	11,753	11,759	11,766	11,778	11,791	11,804	11,818	11,830	11,844	11,858
Civilian labor force .....	7,345	7,383	7,390	7,298	7,404	7,429	7,336	7,470	7,476	7,444	7,432	7,421	7,364
Employed .....	6,843	6,883	6,872	6,819	6,981	6,883	6,799	6,945	6,983	6,966	6,968	6,957	6,925
Unemployed .....	502	500	518	479	423	546	537	525	492	478	463	463	439
Unemployment rate .....	6.8	6.8	7.0	6.6	5.7	7.3	7.3	7.0	6.6	6.4	6.2	6.2	6.0
<b>West South Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	20,085	20,103	20,122	20,133	20,147	20,164	20,189	20,213	20,239	20,264	20,288	20,315	20,341
Civilian labor force .....	13,316	13,298	13,283	13,212	13,240	13,260	13,224	13,352	13,327	13,384	13,534	13,473	13,644
Employed .....	12,343	12,352	12,301	12,257	12,327	12,356	12,317	12,472	12,398	12,449	12,607	12,608	12,648
Unemployed .....	973	946	982	955	913	904	907	880	929	935	927	865	996
Unemployment rate .....	7.3	7.1	7.4	7.2	6.9	6.8	6.9	6.6	7.0	7.0	6.9	6.4	7.3

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									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.
<b>MIDWEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	45,962	45,987	46,014	46,028	46,042	46,064	46,095	46,123	46,155	46,191	46,219	46,253	46,287
Civilian labor force .....	31,221	31,243	31,373	31,316	31,208	31,190	31,153	31,488	31,663	31,679	31,776	31,616	31,767
Employed .....	29,307	29,343	29,430	29,374	29,224	29,315	29,216	29,483	29,662	29,830	30,034	29,745	29,854
Unemployed .....	1,914	1,900	1,944	1,942	1,985	1,875	1,936	2,005	2,001	1,849	1,742	1,871	1,913
Unemployment rate .....	6.1	6.1	6.2	6.2	6.4	6.0	6.2	6.4	6.3	5.8	5.5	5.9	6.0
<b>East North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	32,415	32,433	32,453	32,461	32,473	32,489	32,511	32,530	32,552	32,577	32,595	32,619	32,644
Civilian labor force .....	21,675	21,678	21,792	21,722	21,640	21,696	21,697	21,897	21,994	22,010	22,064	21,840	21,947
Employed .....	20,202	20,213	20,303	20,279	20,176	20,320	20,237	20,378	20,512	20,632	20,749	20,407	20,518
Unemployed .....	1,473	1,465	1,489	1,443	1,464	1,376	1,461	1,520	1,482	1,378	1,316	1,433	1,429
Unemployment rate .....	6.8	6.8	6.8	6.6	6.8	6.3	6.7	6.9	6.7	6.3	6.0	6.6	6.5
<b>West North Central</b>													
Civilian noninstitutional population <sup>2</sup> .....	13,547	13,554	13,562	13,567	13,569	13,575	13,584	13,593	13,603	13,614	13,624	13,633	13,643
Civilian labor force .....	9,546	9,565	9,581	9,594	9,568	9,494	9,455	9,591	9,669	9,668	9,712	9,776	9,819
Employed .....	9,105	9,130	9,127	9,095	9,048	8,995	8,980	9,106	9,150	9,197	9,285	9,338	9,336
Unemployed .....	441	435	454	499	521	500	476	485	519	471	427	438	484
Unemployment rate .....	4.6	4.5	4.7	5.2	5.4	5.3	5.0	5.1	5.4	4.9	4.4	4.5	4.9
<b>WEST</b>													
Civilian noninstitutional population <sup>2</sup> .....	40,616	40,687	40,761	40,824	40,886	40,955	41,014	41,067	41,126	41,184	41,240	41,297	41,357
Civilian labor force .....	27,066	27,210	27,212	27,218	27,306	27,327	27,245	27,320	27,253	27,468	27,306	27,443	27,551
Employed .....	24,760	24,879	24,911	24,965	25,026	25,096	25,125	25,208	25,096	25,153	25,125	25,211	25,354
Unemployed .....	2,306	2,331	2,301	2,252	2,280	2,230	2,120	2,112	2,156	2,315	2,181	2,232	2,197
Unemployment rate .....	8.5	8.6	8.5	8.3	8.3	8.2	7.8	7.7	7.9	8.4	8.0	8.1	8.0
<b>Mountain</b>													
Civilian noninstitutional population <sup>2</sup> .....	10,247	10,259	10,274	10,286	10,296	10,310	10,332	10,353	10,376	10,399	10,420	10,443	10,465
Civilian labor force .....	6,864	6,894	6,911	6,945	6,848	6,934	6,892	7,011	7,032	7,024	7,048	7,016	7,049
Employed .....	6,436	6,467	6,470	6,488	6,452	6,499	6,460	6,595	6,615	6,643	6,642	6,605	6,646
Unemployed .....	428	427	441	457	396	435	432	416	417	381	406	412	404
Unemployment rate .....	6.2	6.2	6.4	6.6	5.8	6.3	6.3	5.9	5.9	5.4	5.8	5.9	5.7
<b>Pacific</b>													
Civilian noninstitutional population <sup>2</sup> .....	30,369	30,428	30,488	30,538	30,590	30,645	30,682	30,714	30,750	30,785	30,820	30,854	30,892
Civilian labor force .....	20,202	20,316	20,301	20,273	20,458	20,392	20,352	20,309	20,221	20,444	20,258	20,427	20,501
Employed .....	18,325	18,412	18,441	18,477	18,575	18,598	18,665	18,613	18,481	18,510	18,482	18,606	18,708
Unemployed .....	1,878	1,904	1,860	1,796	1,884	1,795	1,688	1,697	1,740	1,935	1,776	1,821	1,793
Unemployment rate .....	9.3	9.4	9.2	8.9	9.2	8.8	8.3	8.4	8.6	9.5	8.8	8.9	8.7

<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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Alabama</b>													
Civilian labor force .....	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	1,966.8	1,959.2	1,958.4	1,956.6
Employed .....	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	1,817.8	1,808.6	1,815.8	1,814.2
Unemployed .....	134.9	122.1	131.9	135.3	156.0	147.4	155.6	145.9	141.9	149.0	150.5	142.5	142.5
Unemployment rate .....	8.9	6.3	6.8	7.0	7.9	7.5	7.9	7.5	7.2	7.6	7.7	7.3	7.3
<b>Alaska</b>													
Civilian labor force .....	262.6	261.8	263.8	263.1	264.0	283.7	267.1	265.1	269.7	270.1	266.7	267.5	270.6
Employed .....	240.3	237.5	240.7	241.1	241.6	242.0	247.2	243.8	246.9	248.9	247.5	246.9	252.2
Unemployed .....	22.4	24.3	23.1	22.0	22.4	21.6	19.9	21.3	22.8	21.2	21.3	20.6	18.4
Unemployment rate .....	8.5	9.3	8.8	8.4	8.5	8.2	7.5	8.1	8.5	7.9	7.9	7.7	6.8
<b>Arizona</b>													
Civilian labor force .....	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	1,736.4	1,750.6	1,763.3
Employed .....	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	1,640.0	1,653.0	1,660.3
Unemployed .....	125.3	128.3	126.0	126.5	136.9	126.9	125.8	123.8	108.5	102.4	96.4	97.6	103.0
Unemployment rate .....	7.2	7.4	7.3	7.3	7.7	7.3	7.2	7.2	6.3	6.0	5.8	5.6	5.8
<b>Arkansas</b>													
Civilian labor force .....	1,145.6	1,142.8	1,124.6	1,121.7	1,108.1	1,119.8	1,132.4	1,134.9	1,147.5	1,170.5	1,173.1	1,177.6	1,160.6
Employed .....	1,062.9	1,061.0	1,041.0	1,038.8	1,027.3	1,045.5	1,061.0	1,068.1	1,073.8	1,102.5	1,107.4	1,107.2	1,089.5
Unemployed .....	82.6	81.9	83.8	82.9	80.8	74.3	71.5	66.8	73.7	68.0	65.7	70.4	71.1
Unemployment rate .....	7.2	7.2	7.4	7.4	7.3	6.6	6.3	5.9	6.4	5.8	5.6	6.0	6.1
<b>California<sup>1</sup></b>													
Civilian labor force .....	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	15,186.2	15,300.4
Employed .....	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	13,814.5	13,867.1
Unemployed .....	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	1,371.7	1,433.3
Unemployment rate .....	9.5	9.8	10.0	9.8	9.5	9.8	9.4	8.6	8.7	9.1	9.8	9.0	9.4
<b>Colorado</b>													
Civilian labor force .....	1,752.7	1,786.6	1,768.5	1,770.0	1,802.9	1,784.6	1,794.7	1,765.3	1,775.1	1,774.4	1,797.4	1,797.9	1,825.9
Employed .....	1,648.6	1,684.4	1,667.8	1,670.8	1,698.3	1,683.6	1,691.0	1,671.9	1,675.0	1,678.4	1,702.6	1,702.7	1,722.0
Unemployed .....	104.2	102.2	100.7	99.2	104.6	101.0	103.7	93.5	100.1	96.0	94.8	95.2	103.9
Unemployment rate .....	5.9	5.8	5.7	5.6	5.8	5.7	5.8	5.3	5.6	5.4	5.3	5.3	5.7
<b>Connecticut</b>													
Civilian labor force .....	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	1,813.1	1,807.5	1,784.3
Employed .....	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	1,694.6	1,689.7	1,673.0
Unemployed .....	136.1	134.5	136.6	132.7	124.3	118.7	122.8	130.9	130.2	119.5	118.5	117.7	111.3
Unemployment rate .....	7.6	7.5	7.6	7.4	7.1	6.8	7.0	7.5	7.4	6.7	6.5	6.5	6.2
<b>Delaware</b>													
Civilian labor force .....	374.8	375.1	375.4	376.3	378.5	378.6	376.7	377.8	374.5	379.3	380.1	380.7	384.0
Employed .....	355.9	354.9	358.1	358.6	361.8	359.1	357.4	358.4	358.1	364.0	361.8	361.7	363.2
Unemployed .....	19.0	20.2	17.4	17.7	16.7	19.4	19.3	19.5	16.4	15.3	18.2	19.0	20.8
Unemployment rate .....	5.1	5.4	4.6	4.7	4.4	5.1	5.1	5.1	4.4	4.0	4.8	5.0	5.4
<b>District of Columbia</b>													
Civilian labor force .....	272.5	270.2	268.7	268.0	264.8	271.3	270.0	273.2	272.3	267.4	271.1	270.0	273.3
Employed .....	248.9	247.1	244.7	244.3	239.5	247.6	247.2	250.5	249.6	244.8	249.0	246.5	253.4
Unemployed .....	23.6	23.1	24.0	23.7	25.3	23.7	22.8	22.7	22.6	22.6	22.1	23.5	19.9
Unemployment rate .....	8.7	8.6	8.9	8.8	9.6	8.7	8.5	8.3	8.3	8.5	8.2	8.7	7.3
<b>Florida<sup>1</sup></b>													
Civilian labor force .....	6,628.2	6,592.4	6,572.8	6,586.1	6,643.8	6,713.9	6,687.7	6,689.9	6,790.3	6,803.3	6,686.3	6,581.5	6,634.8
Employed .....	6,051.6	6,090.6	6,068.1	6,109.2	6,124.8	6,262.6	6,205.8	6,246.4	6,299.4	6,324.2	6,216.7	6,112.2	6,210.2
Unemployed .....	576.6	501.8	504.5	476.9	519.0	451.3	481.9	443.4	490.9	479.1	469.6	469.2	424.6
Unemployment rate .....	8.7	7.8	7.7	7.2	7.8	6.7	6.9	6.6	7.2	7.0	7.0	7.1	6.4

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Georgia</b>													
Civilian labor force .....	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	3,278.6	3,290.2	3,292.0	3,312.4
Employed .....	3,010.6	3,025.9	3,035.1	3,037.0	3,062.2	3,068.7	3,055.8	3,075.6	3,108.6	3,118.5	3,119.2	3,131.1	3,161.9
Unemployed .....	228.3	240.2	228.1	216.7	217.0	214.6	218.1	199.9	175.6	160.0	171.0	160.8	150.5
Unemployment rate .....	7.0	7.4	7.0	6.7	6.6	6.5	6.7	6.1	5.3	4.9	5.2	4.9	4.5
<b>Hawaii</b>													
Civilian labor force .....	575.5	576.1	577.3	577.5	576.5	589.7	570.8	578.2	576.7	575.5	580.2	579.5	578.8
Employed .....	547.2	546.9	548.3	550.0	549.5	542.4	543.6	549.8	549.3	549.4	552.9	553.5	554.2
Unemployed .....	28.3	29.2	29.0	27.6	27.0	27.3	27.2	28.4	27.4	26.0	27.3	26.1	24.6
Unemployment rate .....	4.9	5.1	5.0	4.8	4.7	4.8	4.8	4.9	4.8	4.5	4.7	4.5	4.2
<b>Idaho</b>													
Civilian labor force .....	522.9	521.3	522.3	520.4	520.9	516.0	513.9	509.1	520.3	520.3	525.3	531.4	533.2
Employed .....	489.1	488.2	489.3	488.2	486.4	482.9	477.9	473.8	483.9	486.8	493.4	500.4	501.2
Unemployed .....	33.9	33.1	33.0	32.2	34.5	33.1	36.0	35.5	36.4	33.8	32.0	31.0	31.9
Unemployment rate .....	6.5	6.3	6.3	6.2	6.6	6.4	7.0	7.0	7.0	6.5	6.1	5.8	6.0
<b>Illinois<sup>1</sup></b>													
Civilian labor force .....	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	6,131.5	6,091.7
Employed .....	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	5,663.3	5,575.4
Unemployed .....	428.1	360.3	398.5	431.8	392.8	479.4	509.6	489.7	512.5	493.9	440.2	468.2	516.3
Unemployment rate .....	7.0	5.9	6.5	7.0	6.5	7.9	8.4	8.1	8.3	8.0	7.2	7.6	8.5
<b>Indiana</b>													
Civilian labor force .....	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	2,991.9	3,000.9	2,987.2
Employed .....	2,669.5	2,660.7	2,644.5	2,644.6	2,623.6	2,648.7	2,718.7	2,721.2	2,708.4	2,741.5	2,857.0	2,871.1	2,845.5
Unemployed .....	187.1	175.5	185.6	181.9	176.0	171.7	134.5	165.7	179.9	175.7	134.9	129.8	141.7
Unemployment rate .....	6.5	6.2	6.6	6.4	6.3	6.1	4.7	5.7	6.2	6.0	4.5	4.3	4.7
<b>Iowa</b>													
Civilian labor force .....	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	1,596.8	1,595.2	1,602.1
Employed .....	1,494.8	1,487.3	1,488.5	1,488.3	1,497.9	1,505.8	1,507.4	1,496.7	1,508.6	1,536.8	1,532.4	1,543.7	1,548.2
Unemployed .....	68.4	66.6	65.8	67.0	69.5	67.5	69.0	68.0	68.9	63.0	64.4	51.5	54.0
Unemployment rate .....	4.4	4.3	4.2	4.3	4.4	4.3	4.4	4.3	4.4	3.9	4.0	3.2	3.4
<b>Kansas</b>													
Civilian labor force .....	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	1,334.8	1,328.3	1,339.8
Employed .....	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	1,270.5	1,264.3	1,277.8
Unemployed .....	57.2	55.1	55.7	56.2	58.1	61.0	66.8	67.2	70.0	71.8	64.2	64.0	62.0
Unemployment rate .....	4.3	4.1	4.2	4.2	4.3	4.5	5.0	5.0	5.2	5.4	4.8	4.8	4.6
<b>Kentucky</b>													
Civilian labor force .....	1,753.9	1,756.5	1,751.3	1,757.9	1,769.7	1,769.3	1,766.1	1,766.3	1,779.8	1,771.9	1,779.4	1,773.6	1,770.6
Employed .....	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	1,664.6	1,655.3	1,655.3
Unemployed .....	121.9	126.1	112.7	113.8	110.5	97.0	113.8	115.6	133.1	116.4	114.8	118.3	115.3
Unemployment rate .....	6.9	7.2	6.4	6.5	6.2	5.5	6.4	6.5	7.5	6.6	6.5	6.7	6.5
<b>Louisiana</b>													
Civilian labor force .....	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	1,842.4	1,871.7	1,839.9
Employed .....	1,750.9	1,756.8	1,747.8	1,732.4	1,742.2	1,766.2	1,742.6	1,738.6	1,755.8	1,743.8	1,720.5	1,733.3	1,712.9
Unemployed .....	158.6	150.9	151.1	153.8	151.5	134.7	135.8	130.1	139.6	130.2	121.9	138.4	127.0
Unemployment rate .....	8.3	7.9	8.0	8.2	8.0	7.1	7.2	7.0	7.4	6.9	6.6	7.4	6.9
<b>Maine</b>													
Civilian labor force .....	664.2	660.6	663.7	659.9	662.0	654.0	657.4	652.1	652.6	652.3	647.1	654.8	654.9
Employed .....	617.6	616.1	616.8	612.3	611.6	600.7	602.9	598.9	600.8	596.4	599.0	605.0	604.3
Unemployed .....	46.6	44.5	46.9	47.6	50.5	53.3	54.5	53.3	51.9	56.0	48.1	49.8	50.6
Unemployment rate .....	7.0	6.7	7.1	7.2	7.6	8.2	8.3	8.2	7.9	8.6	7.4	7.6	7.7

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>Maryland</b>													
Civilian labor force .....	2,634.5	2,824.5	2,820.4	2,641.4	2,610.6	2,635.4	2,625.9	2,600.2	2,549.5	2,582.7	2,559.4	2,586.1	2,634.1
Employed .....	2,459.6	2,454.0	2,453.1	2,476.7	2,459.1	2,475.1	2,463.7	2,432.2	2,390.6	2,389.0	2,387.7	2,409.1	2,489.4
Unemployed .....	174.9	170.5	167.3	164.6	151.8	180.4	162.2	166.1	158.7	173.8	171.7	176.9	164.7
Unemployment rate .....	6.6	6.5	6.4	6.2	5.6	6.1	6.2	6.5	6.2	6.6	6.7	6.8	6.3
<b>Massachusetts<sup>1</sup></b>													
Civilian labor force .....	3,107.1	3,105.8	3,129.4	3,139.3	3,200.2	3,142.7	3,170.2	3,120.8	3,130.4	3,136.9	3,107.0	3,145.1	3,168.5
Employed .....	2,841.2	2,843.4	2,852.4	2,868.1	2,936.6	2,901.4	2,968.0	2,919.0	2,920.0	2,949.9	2,910.3	2,924.8	2,939.5
Unemployed .....	265.9	262.4	277.0	271.2	263.8	241.3	204.2	201.6	210.4	187.0	196.8	220.3	229.0
Unemployment rate .....	8.6	8.4	8.9	8.6	8.2	7.7	6.4	6.5	6.7	6.0	6.3	7.0	7.2
<b>Michigan<sup>1</sup></b>													
Civilian labor force .....	4,628.7	4,615.5	4,625.8	4,808.5	4,589.7	4,583.5	4,547.9	4,832.3	4,683.4	4,725.3	4,709.2	4,686.7	4,664.0
Employed .....	4,226.3	4,219.3	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	4,380.5	4,351.8
Unemployed .....	402.4	396.2	369.9	369.4	325.6	309.4	288.6	308.2	327.6	345.7	344.9	306.2	312.2
Unemployment rate .....	8.7	8.6	8.0	8.0	7.1	6.8	6.3	6.7	7.0	7.3	7.3	6.5	6.7
<b>Minnesota</b>													
Civilian labor force .....	2,438.9	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	2,476.0	2,478.3	2,491.4
Employed .....	2,317.2	2,319.3	2,317.5	2,348.1	2,373.4	2,340.9	2,363.8	2,353.7	2,332.0	2,364.2	2,351.7	2,364.8	2,369.4
Unemployed .....	119.7	124.6	128.3	121.3	132.2	143.2	126.4	138.2	140.3	141.3	124.2	113.7	122.0
Unemployment rate .....	4.9	5.1	5.2	4.9	5.3	5.8	5.1	5.5	5.7	5.6	5.0	4.6	4.9
<b>Mississippi</b>													
Civilian labor force .....	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	1,186.3	1,197.3	1,200.3
Employed .....	1,099.5	1,096.6	1,103.6	1,098.8	1,098.0	1,099.8	1,108.9	1,102.3	1,110.1	1,125.2	1,121.6	1,132.3	1,135.6
Unemployed .....	97.6	92.9	84.1	81.1	72.1	74.6	82.1	88.0	88.0	74.5	64.7	65.1	64.7
Unemployment rate .....	8.2	7.8	7.1	6.9	6.2	6.4	6.9	7.4	7.3	6.2	5.5	5.4	5.4
<b>Missouri</b>													
Civilian labor force .....	2,680.9	2,686.0	2,683.8	2,680.7	2,653.1	2,621.0	2,613.5	2,608.8	2,649.4	2,652.2	2,685.6	2,689.9	2,729.7
Employed .....	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	2,522.4	2,533.4	2,576.0
Unemployed .....	155.2	144.9	135.0	145.7	154.5	160.5	175.9	178.1	165.0	180.5	163.2	156.5	153.7
Unemployment rate .....	5.8	5.4	5.0	5.5	5.8	6.1	6.7	6.8	6.2	6.8	6.1	5.8	5.6
<b>Montana</b>													
Civilian labor force .....	411.9	413.2	411.5	409.5	406.1	402.9	406.5	401.9	408.1	413.3	417.8	415.3	414.8
Employed .....	383.7	387.1	388.2	383.2	377.1	374.4	379.9	376.1	383.5	388.3	392.2	387.3	391.5
Unemployed .....	28.2	26.1	23.3	26.2	29.0	28.5	26.6	25.8	24.6	25.0	25.5	28.0	23.1
Unemployment rate .....	6.8	6.3	5.7	6.4	7.1	7.1	6.5	6.4	6.0	6.1	6.1	6.7	5.6
<b>Nebraska</b>													
Civilian labor force .....	853.1	852.5	848.3	847.5	848.2	857.3	863.5	868.4	871.1	868.8	869.1	868.0	868.7
Employed .....	828.3	828.4	825.6	823.7	824.3	833.9	837.3	843.7	844.5	842.3	846.0	847.2	844.7
Unemployed .....	24.8	24.1	22.7	23.8	23.9	23.4	26.2	24.7	26.6	26.5	23.1	20.8	22.1
Unemployment rate .....	2.9	2.8	2.7	2.8	2.8	2.7	3.0	2.8	3.1	3.1	2.7	2.4	2.5
<b>Nevada</b>													
Civilian labor force .....	678.4	660.5	683.4	680.3	683.0	679.5	674.5	686.3	692.7	712.2	720.1	714.2	705.0
Employed .....	631.9	635.6	639.3	637.8	635.1	633.5	627.5	639.0	643.9	661.7	671.9	687.4	653.9
Unemployed .....	46.5	44.9	44.1	42.6	48.0	46.0	47.0	47.2	48.8	50.4	48.2	46.8	51.1
Unemployment rate .....	6.9	6.6	6.5	6.3	7.0	6.8	7.0	6.9	7.0	7.1	6.7	6.6	7.2
<b>New Hampshire</b>													
Civilian labor force .....	634.4	639.2	643.9	641.3	644.1	656.7	649.1	640.9	636.9	635.0	631.4	642.3	648.5
Employed .....	586.1	591.8	596.4	595.0	592.3	601.5	594.0	591.4	595.5	594.1	592.1	601.7	609.3
Unemployed .....	48.3	47.4	47.5	46.3	51.8	55.2	55.1	49.5	41.4	40.9	39.2	40.6	39.2
Unemployment rate .....	7.6	7.4	7.4	7.2	8.0	8.4	8.5	7.7	6.5	6.4	6.2	6.3	6.0

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								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>New Jersey<sup>1</sup></b>													
Civilian labor force .....	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	3,984.8	3,912.6	3,942.0	3,934.7
Employed .....	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	3,662.0	3,631.7
Unemployed .....	357.1	325.0	347.8	331.9	289.7	306.2	325.1	358.3	295.1	274.3	271.1	280.0	303.0
Unemployment rate .....	9.0	8.2	8.7	8.3	7.4	7.8	8.3	9.1	7.4	6.9	6.9	7.1	7.7
<b>New Mexico</b>													
Civilian labor force .....	725.8	725.8	727.2	721.5	727.5	734.0	732.3	731.6	737.5	736.1	738.2	736.7	738.6
Employed .....	675.8	677.5	681.0	678.0	680.0	685.0	681.0	680.8	682.8	681.8	684.6	682.3	685.3
Unemployed .....	50.0	48.3	46.2	43.5	47.5	49.0	51.3	50.7	54.6	54.3	53.6	54.3	53.3
Unemployment rate .....	6.9	6.7	6.3	6.0	6.5	6.7	7.0	6.9	7.4	7.4	7.3	7.4	7.2
<b>New York<sup>1</sup></b>													
Civilian labor force .....	8,510.4	8,470.1	8,531.0	8,583.9	8,607.4	8,634.6	8,614.3	8,558.5	8,571.1	8,490.8	8,510.7	8,482.3	8,372.3
Employed .....	7,761.4	7,733.3	7,830.8	7,858.2	7,876.6	7,946.3	7,985.3	7,960.2	7,926.1	7,825.1	7,870.8	7,814.3	7,776.7
Unemployed .....	749.0	736.8	700.2	725.7	730.8	688.4	628.9	598.4	644.9	665.7	639.8	667.9	595.6
Unemployment rate .....	8.8	8.7	8.2	8.5	8.5	8.0	7.3	7.0	7.5	7.8	7.5	7.9	7.1
<b>North Carolina<sup>1</sup></b>													
Civilian labor force .....	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	3,476.3	3,448.3	3,448.8
Employed .....	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	3,290.5	3,302.9
Unemployed .....	206.7	197.2	207.1	196.9	191.9	183.1	186.7	192.7	178.5	189.0	157.8	157.9	145.9
Unemployment rate .....	5.9	5.6	5.9	5.6	5.4	5.2	5.3	5.5	5.1	5.4	4.5	4.6	4.2
<b>North Dakota</b>													
Civilian labor force .....	313.6	312.2	313.8	313.6	313.4	314.3	313.8	319.2	322.2	314.6	313.5	311.6	315.3
Employed .....	298.6	297.4	299.4	299.2	299.6	300.1	298.7	303.5	305.9	299.5	300.2	298.7	302.5
Unemployed .....	14.9	14.8	14.4	14.4	13.8	14.2	15.1	15.7	16.4	15.1	13.4	13.0	12.8
Unemployment rate .....	4.8	4.7	4.6	4.6	4.4	4.5	4.8	4.9	5.1	4.8	4.3	4.2	4.1
<b>Ohio<sup>1</sup></b>													
Civilian labor force .....	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	5,501.8	5,442.5
Employed .....	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	5,140.6	5,123.9	5,192.9	5,043.0
Unemployed .....	396.1	400.0	405.4	395.2	385.9	368.6	357.1	355.0	332.9	318.6	378.9	308.9	399.5
Unemployment rate .....	7.2	7.3	7.5	7.3	7.0	6.7	6.5	6.5	6.1	5.8	6.9	5.6	7.3
<b>Oklahoma</b>													
Civilian labor force .....	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	1,520.2	1,540.6	1,534.3
Employed .....	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	1,423.7	1,448.4	1,443.8
Unemployed .....	86.9	79.0	78.2	82.4	85.3	79.7	91.6	99.5	90.0	94.4	96.5	92.2	90.5
Unemployment rate .....	5.7	5.2	5.1	5.4	5.6	5.2	6.0	6.6	6.0	6.2	6.3	6.0	5.9
<b>Oregon</b>													
Civilian labor force .....	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	1,560.9	1,564.1	1,587.7
Employed .....	1,431.9	1,426.4	1,431.4	1,424.3	1,434.8	1,451.6	1,469.6	1,438.0	1,418.0	1,457.0	1,439.4	1,449.9	1,468.1
Unemployed .....	117.7	114.5	112.6	112.1	112.1	114.5	111.7	117.7	113.1	112.6	121.5	114.3	119.6
Unemployment rate .....	7.6	7.4	7.3	7.3	7.2	7.3	7.1	7.6	7.4	7.2	7.8	7.3	7.5
<b>Pennsylvania<sup>1</sup></b>													
Civilian labor force .....	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	5,976.8	6,029.4	6,086.7	6,053.2
Employed .....	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	5,632.3	5,636.6
Unemployed .....	455.4	452.3	441.2	442.2	453.3	422.5	410.6	394.4	424.6	412.9	437.5	454.4	416.6
Unemployment rate .....	7.6	7.5	7.3	7.3	7.5	7.0	6.9	6.6	7.1	6.9	7.3	7.5	6.9
<b>Rhode Island</b>													
Civilian labor force .....	526.6	525.0	526.6	523.4	532.4	526.3	522.9	521.8	523.6	523.1	520.2	518.9	516.8
Employed .....	481.0	481.1	482.8	481.7	489.7	485.8	480.5	477.9	481.3	480.7	485.6	483.4	481.3
Unemployed .....	45.6	43.8	43.8	41.7	42.7	40.5	42.5	43.9	42.3	42.4	34.6	35.6	35.5
Unemployment rate .....	8.7	8.3	8.3	8.0	8.0	7.7	8.1	8.4	8.1	8.1	6.7	6.9	6.9

See footnotes at end of table.

**STATE LABOR FORCE DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State	1992				1993								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. <sup>P</sup>
<b>South Carolina</b>													
Civilian labor force .....	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	1,797.0	1,817.1	1,787.7
Employed .....	1,667.6	1,670.0	1,875.1	1,688.0	1,672.6	1,672.9	1,652.2	1,639.4	1,871.1	1,666.5	1,667.3	1,686.8	1,663.9
Unemployed .....	107.8	106.9	105.6	102.8	112.0	104.1	108.8	123.6	128.5	125.9	129.7	130.3	123.8
Unemployment rate .....	6.1	6.0	5.9	5.7	6.3	5.9	6.2	7.0	7.1	7.0	7.2	7.2	6.9
<b>South Dakota</b>													
Civilian labor force .....	359.4	360.6	365.7	364.5	368.0	365.4	365.9	364.1	362.9	366.9	369.6	371.2	365.0
Employed .....	349.0	350.1	355.1	353.2	352.0	351.3	353.3	352.0	351.4	356.2	359.7	361.2	351.8
Unemployed .....	10.4	10.5	10.6	11.3	14.0	14.1	12.6	12.1	11.5	10.7	9.9	10.0	13.2
Unemployment rate .....	2.9	2.9	2.9	3.1	3.8	3.9	3.4	3.3	3.2	2.9	2.7	2.7	3.6
<b>Tennessee</b>													
Civilian labor force .....	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	2,477.4	2,483.9	2,478.8
Employed .....	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	2,338.5	2,347.2	2,340.1
Unemployed .....	155.7	141.5	147.2	149.3	162.8	146.7	151.5	164.7	149.6	146.6	138.9	136.6	138.7
Unemployment rate .....	6.4	5.7	6.0	6.0	6.6	5.9	6.2	6.8	6.1	6.0	5.6	5.5	5.6
<b>Texas<sup>1</sup></b>													
Civilian labor force .....	8,753.4	8,756.2	8,747.0	8,798.4	8,782.5	8,716.2	8,712.9	8,716.3	8,756.4	8,768.2	8,848.3	8,927.9	8,968.2
Employed .....	8,082.6	8,099.0	8,081.5	8,124.3	8,080.5	8,060.3	8,124.1	8,133.3	8,186.7	8,151.0	8,215.0	8,284.1	8,372.1
Unemployed .....	670.8	657.2	665.5	674.1	682.0	655.8	588.9	583.0	569.7	617.2	633.4	643.9	596.1
Unemployment rate .....	7.7	7.5	7.6	7.7	7.8	7.5	6.8	6.7	6.5	7.0	7.2	7.2	6.6
<b>Utah</b>													
Civilian labor force .....	809.1	812.1	813.9	814.9	822.5	827.5	831.1	829.1	840.3	849.5	852.7	849.9	849.6
Employed .....	767.7	769.4	770.9	771.4	783.1	795.4	801.3	798.0	805.9	810.5	819.7	821.6	821.2
Unemployed .....	41.4	42.7	43.0	43.5	39.4	32.1	29.8	31.1	34.4	38.9	33.0	28.3	28.4
Unemployment rate .....	5.1	5.3	5.3	5.3	4.8	3.9	3.6	3.7	4.1	4.6	3.9	3.3	3.3
<b>Vermont</b>													
Civilian labor force .....	322.5	321.8	329.1	325.0	322.3	327.2	322.9	328.5	332.7	334.1	323.0	325.3	324.3
Employed .....	301.3	301.7	308.5	305.4	302.2	306.0	300.5	305.8	311.6	315.3	305.7	309.2	308.8
Unemployed .....	21.2	20.2	20.7	19.5	20.2	21.2	22.3	22.7	21.0	18.8	17.4	16.1	15.5
Unemployment rate .....	6.6	6.3	6.3	6.0	6.3	6.5	6.9	6.9	6.3	5.6	5.4	5.0	4.8
<b>Virginia</b>													
Civilian labor force .....	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	3,347.8	3,331.0	3,271.5
Employed .....	3,121.2	3,126.1	3,128.7	3,133.0	3,153.4	3,206.1	3,234.4	3,251.6	3,239.1	3,184.8	3,156.8	3,147.5	3,096.6
Unemployed .....	212.2	204.6	203.2	197.8	195.0	163.2	164.7	172.0	175.1	173.8	191.0	183.4	175.0
Unemployment rate .....	6.4	6.1	6.1	5.9	5.8	4.8	4.8	5.0	5.1	5.2	5.7	5.5	5.3
<b>Washington</b>													
Civilian labor force .....	2,608.6	2,603.1	2,624.8	2,577.7	2,620.4	2,847.1	2,627.6	2,629.6	2,612.6	2,618.3	2,608.3	2,611.8	2,847.5
Employed .....	2,411.1	2,397.9	2,413.5	2,376.3	2,411.0	2,440.8	2,429.8	2,430.8	2,414.0	2,415.8	2,384.9	2,394.6	2,431.4
Unemployed .....	197.5	205.2	211.3	201.4	209.4	206.3	197.8	198.8	198.6	202.6	223.4	217.2	216.1
Unemployment rate .....	7.6	7.9	8.1	7.8	8.0	7.8	7.5	7.6	7.6	7.7	8.6	8.3	8.2
<b>West Virginia</b>													
Civilian labor force .....	760.3	759.5	760.0	762.3	771.8	777.3	773.2	778.9	771.8	776.0	765.9	770.2	769.0
Employed .....	675.9	676.4	680.7	682.1	689.5	694.3	686.5	685.8	680.4	676.8	689.3	695.9	697.7
Unemployed .....	84.4	83.1	79.3	80.2	82.3	83.1	86.7	93.1	91.5	99.1	76.6	74.3	71.3
Unemployment rate .....	11.1	10.9	10.4	10.5	10.7	10.7	11.2	12.0	11.8	12.8	10.0	9.6	9.3
<b>Wisconsin</b>													
Civilian labor force .....	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	2,695.5	2,685.8	2,696.7
Employed .....	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	2,566.6	2,559.5	2,581.1
Unemployed .....	149.6	133.8	115.3	124.2	123.1	128.1	115.4	128.7	144.6	136.0	128.9	126.3	115.7
Unemployment rate .....	5.6	5.0	4.3	4.6	4.5	4.7	4.2	4.7	5.4	5.1	4.8	4.7	4.3
<b>Wyoming</b>													
Civilian labor force .....	240.5	239.9	239.2	238.1	237.8	236.9	238.4	236.0	238.1	238.2	240.2	238.1	238.3
Employed .....	227.4	227.6	227.6	226.6	226.0	224.9	226.1	223.1	223.2	223.6	224.9	223.3	226.6
Unemployed .....	13.1	12.3	11.6	11.5	11.7	12.0	12.3	12.9	14.8	14.6	15.3	14.8	11.7
Unemployment rate .....	5.4	5.1	4.9	4.8	4.9	5.1	5.2	5.5	6.2	6.1	6.4	6.2	4.9

<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 are provisional and will be revised when new benchmark and population information becomes available.

**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		
	Sept. 1992	Aug. 1993	Sept. 1993P	Sept. 1992	Aug. 1993	Sept. 1993P	Sept. 1992	Aug. 1993	Sept. 1993P
<b>Alabama</b> .....	1,942.7	1,961.8	1,956.8	128.6	148.6	135.6	6.6	7.6	6.9
Birmingham .....	452.4	453.6	453.6	25.9	27.8	25.6	5.7	6.1	5.6
Huntsville .....	137.6	138.6	137.7	5.7	7.4	7.1	4.2	5.3	5.1
Mobile .....	225.3	231.1	230.2	16.8	20.2	18.3	7.5	8.7	8.0
Montgomery .....	140.6	143.8	142.8	8.7	9.1	8.5	6.2	6.4	5.9
Tuscaloosa .....	73.2	75.2	75.7	3.8	4.4	3.9	5.2	5.9	5.1
<b>Alaska</b> .....	264.6	277.2	273.3	19.8	17.0	16.3	7.5	6.1	6.0
Anchorage .....	118.1	122.5	122.7	7.8	6.5	6.0	6.6	5.3	4.9
<b>Arizona</b> .....	1,734.9	1,734.7	1,760.1	120.5	99.9	96.5	6.9	5.8	5.5
Phoenix .....	1,055.6	1,062.4	1,071.1	62.7	48.1	47.2	5.9	4.5	4.4
Tucson .....	323.4	323.2	328.5	15.9	12.9	12.2	4.9	4.0	3.7
<b>Arkansas</b> .....	1,145.7	1,184.8	1,164.2	77.5	66.3	67.2	6.8	5.6	5.8
Fayetteville-Springdale .....	67.1	70.1	69.6	2.3	1.9	1.9	3.4	2.7	2.8
Fort Smith .....	92.9	93.8	91.7	6.2	5.3	5.6	6.7	5.6	6.1
Little Rock-North Little Rock .....	272.8	281.1	275.8	16.3	13.1	13.3	6.0	4.7	4.8
Pine Bluff .....	36.7	36.7	36.6	3.9	3.3	3.5	10.5	9.0	9.7
<b>California</b> <sup>1</sup> .....	15,304.0	15,393.8	15,324.3	1,406.2	1,356.3	1,399.9	9.2	8.8	9.1
Anaheim-Santa Ana .....	1,372.5	1,386.8	1,372.1	88.7	90.5	90.4	6.5	6.5	6.6
Bakersfield .....	233.6	287.6	286.2	39.0	36.8	38.1	16.7	12.8	13.3
Fresno .....	376.9	378.7	389.2	45.7	45.1	46.3	12.1	12.0	11.9
Los Angeles-Long Beach <sup>1</sup> .....	4,576.0	4,493.0	4,489.0	476.0	395.0	439.0	10.4	8.8	9.7
Modesto .....	185.7	192.7	189.0	24.3	24.7	24.7	13.1	12.8	13.0
Oakland .....	1,119.4	1,128.7	1,117.6	73.8	77.9	77.4	6.6	6.9	6.9
Oxnard-Ventura .....	384.1	385.8	382.6	34.9	35.4	35.9	9.1	9.2	9.4
Riverside-San Bernardino .....	1,137.1	1,146.3	1,141.7	132.8	139.9	139.5	11.7	12.2	12.2
Sacramento .....	788.2	803.6	794.3	58.5	60.2	61.2	7.4	7.5	7.7
Salinas-Seaside-Monterey .....	172.4	178.0	174.4	14.7	16.4	16.1	8.5	9.2	9.2
San Diego .....	1,197.7	1,210.9	1,197.3	91.8	99.8	101.1	7.7	8.2	8.4
San Francisco .....	880.4	894.1	882.9	55.4	57.7	56.5	6.3	6.5	6.4
San Jose .....	821.0	833.4	819.6	55.6	58.3	58.4	6.8	7.0	7.1
Santa Barbara-Santa Maria-Lompoc .....	181.7	183.3	181.1	14.1	14.5	14.8	7.8	7.9	8.2
Santa Rosa-Petaluma .....	222.8	221.8	224.2	14.6	14.7	14.2	6.5	6.6	6.4
Stockton .....	223.4	223.6	223.8	26.8	27.1	27.3	12.0	12.1	12.2
Vallejo-Fairfield-Napa .....	216.4	219.7	217.4	16.6	18.7	18.4	7.7	8.5	8.4
<b>Colorado</b> .....	1,742.9	1,817.4	1,813.4	85.0	88.3	84.3	4.9	4.9	4.6
Boulder-Longmont .....	143.2	148.3	149.5	5.1	5.3	5.1	3.6	3.6	3.4
Denver .....	881.4	918.9	915.8	43.1	45.2	42.9	4.9	4.9	4.7
<b>Connecticut</b> .....	1,781.8	1,835.4	1,785.0	134.3	120.3	110.3	7.5	6.6	6.2
Bridgeport-Milford .....	228.4	236.5	228.1	20.6	17.4	16.2	9.0	7.3	7.1
Hartford .....	423.0	425.9	419.0	31.4	29.6	26.9	7.4	7.0	6.4
New Britain .....	77.6	77.2	76.5	7.3	6.6	5.9	9.4	8.5	7.7
New Haven-Meriden .....	282.1	289.0	282.4	20.5	19.6	18.1	7.3	6.8	6.4
Stamford .....	115.1	119.7	114.9	6.3	5.1	4.7	5.5	4.3	4.0
Waterbury .....	107.3	110.9	107.0	11.4	9.3	8.6	10.6	8.4	8.0
<b>Delaware</b> .....	372.1	382.9	381.1	18.4	18.7	20.1	5.0	4.9	5.3
Wilmington .....	312.9	317.5	317.9	17.4	17.3	17.5	5.5	5.4	5.5
<b>District of Columbia</b> .....	272.3	271.4	272.4	24.0	22.6	20.2	8.8	8.3	7.4
Washington .....	2,262.3	2,271.0	2,258.3	116.4	107.9	101.5	5.1	4.8	4.5
<b>Florida</b> <sup>1</sup> .....	6,662.5	6,699.4	6,674.2	603.2	541.1	456.4	9.1	8.1	6.8
Daytona Beach .....	166.8	169.9	169.6	13.8	12.9	11.1	8.3	7.6	6.5
Fort Lauderdale-Hollywood-Pompano Beach .....	700.6	714.4	712.5	61.6	54.8	45.2	8.8	7.7	6.3
Fort Myers-Cape Coral .....	154.7	159.1	158.9	13.0	11.2	9.1	8.4	7.0	5.7
Gainesville .....	114.7	114.7	117.1	5.9	5.1	4.8	5.1	4.5	4.1
Jacksonville .....	476.8	480.7	477.0	33.9	30.9	26.9	7.1	6.4	5.6
Lakeland-Winter Haven .....	184.1	183.2	181.1	24.6	23.3	19.5	13.4	12.7	10.8
Melbourne-Titusville-Palm Bay .....	203.4	204.7	201.2	16.9	18.1	15.4	8.3	8.8	7.6
Miami-Hialeah .....	1,013.4	995.6	986.3	119.6	85.6	71.0	11.8	8.6	7.2
Orlando .....	679.3	689.2	691.1	49.9	44.0	38.7	7.3	6.4	5.6
Pensacola .....	157.2	160.0	159.3	9.5	9.6	8.1	6.0	6.0	5.1
Sarasota .....	130.4	131.1	130.5	8.6	7.8	6.7	6.6	6.0	5.1
Tallahassee .....	146.8	145.7	147.6	6.7	6.8	6.2	4.6	4.7	4.2
Tampa-St. Petersburg-Clearwater .....	1,050.5	1,057.3	1,055.0	78.3	77.3	64.9	7.5	7.3	6.2
West Palm Beach-Boca Raton-Delray Beach .....	445.5	441.2	440.9	50.7	47.6	39.7	11.4	10.8	9.0

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Georgia</b> .....	3,262.2	3,311.0	3,334.7	239.5	170.5	160.2	7.3	5.2	4.6
Albany .....	54.6	54.6	55.0	5.0	3.7	3.5	9.2	6.6	6.4
Athens .....	74.1	76.1	76.6	4.5	3.0	2.6	6.1	4.0	3.7
Atlanta .....	1,550.4	1,608.2	1,618.0	107.4	76.1	72.5	6.9	4.7	4.5
Augusta .....	201.3	200.4	199.8	13.3	11.9	11.3	6.6	5.9	5.7
Columbus .....	101.2	101.8	101.4	7.7	7.0	6.0	7.6	6.9	5.9
Macon-Warner Robins .....	132.6	131.8	132.7	9.0	6.6	6.5	6.8	5.1	4.9
Savannah .....	121.1	123.1	123.9	8.3	6.4	6.0	6.8	5.2	4.9
<b>Hawaii</b> .....	567.3	578.2	571.2	27.4	24.7	23.7	4.8	4.3	4.1
Honolulu .....	402.6	409.7	405.4	15.5	13.1	12.8	3.8	3.2	3.2
<b>Idaho</b> .....	519.3	536.5	530.1	26.9	27.5	24.7	5.2	5.1	4.7
Boise City .....	124.9	132.2	130.2	4.4	4.0	4.0	3.5	3.0	3.0
<b>Illinois</b> <sup>1</sup> .....	6,112.2	6,175.2	6,086.2	375.2	452.0	458.8	6.1	7.3	7.5
Aurora-Elgin .....	200.8	202.8	199.2	12.3	14.2	14.1	6.1	7.0	7.1
Bloomington-Normal .....	81.4	79.4	80.0	2.6	3.2	3.2	3.5	4.1	4.0
Champaign-Urbana-Rantoul .....	96.7	90.5	93.6	3.5	5.5	5.4	3.6	6.1	5.7
Chicago .....	3,249.0	3,294.5	3,255.3	202.3	237.9	252.5	6.2	7.2	7.8
Davenport-Rock Island-Moline .....	169.3	188.1	186.3	12.5	9.9	10.7	6.8	5.2	5.7
Decatur .....	63.5	63.8	62.3	4.8	6.5	6.3	7.5	10.2	10.1
Joliet .....	235.2	235.2	232.6	14.3	17.4	17.7	6.1	7.4	7.6
Kankakee .....	52.3	51.4	49.8	3.7	4.0	4.2	7.0	7.8	8.3
Lake County .....	338.5	338.7	331.8	12.3	15.1	15.3	3.6	4.4	4.6
Peoria .....	172.6	172.8	170.7	10.2	11.7	13.6	5.9	6.8	7.9
Rockford .....	160.5	162.4	160.1	11.3	15.6	15.7	7.0	9.6	9.6
Springfield .....	122.3	127.0	119.3	5.2	6.4	6.1	4.3	5.0	5.1
<b>Indiana</b> .....	2,849.6	3,020.5	2,984.5	174.2	113.0	128.6	6.1	3.7	4.3
Anderson .....	58.4	59.3	58.8	4.6	2.9	3.2	7.9	4.9	5.5
Bloomington .....	63.0	63.2	64.4	2.4	1.7	1.7	3.9	2.6	2.6
Elkhart-Goshen .....	90.7	98.8	96.4	5.3	3.1	4.1	5.6	3.1	4.3
Evansville .....	146.1	153.5	151.0	6.9	5.8	6.4	6.1	3.8	4.2
Fort Wayne .....	199.3	211.8	208.4	11.2	7.5	8.3	5.6	3.5	4.0
Gary-Hammond .....	262.3	268.7	268.3	20.2	14.1	16.3	7.7	5.3	6.1
Indianapolis .....	686.4	737.3	723.1	33.0	22.0	25.9	4.8	3.0	3.6
Kokomo .....	47.7	50.5	50.3	4.0	1.9	2.3	6.4	3.7	4.5
Lafayette-West Lafayette .....	70.5	72.5	70.7	2.4	1.8	1.9	3.4	2.5	2.7
Muncie .....	61.3	63.4	64.8	3.5	2.5	2.8	5.7	3.9	4.3
South Bend-Mishawaka .....	129.1	133.2	133.9	8.0	4.6	5.4	6.2	3.5	4.0
Terre Haute .....	63.5	64.2	65.2	3.7	3.0	3.4	5.9	4.6	5.2
<b>Iowa</b> .....	1,544.6	1,597.7	1,585.4	80.9	48.8	47.8	3.9	3.1	3.0
Cedar Rapids .....	97.7	100.1	98.8	4.0	3.1	3.0	4.1	3.1	3.0
Des Moines .....	247.4	255.5	252.6	9.0	7.4	7.4	3.6	2.9	2.9
Dubuque .....	46.0	47.1	46.8	1.8	1.4	1.3	3.8	3.0	2.9
Iowa City .....	62.3	64.9	64.2	1.3	1.0	.9	2.2	1.6	1.4
Sioux City .....	63.0	65.0	64.2	2.3	1.6	1.5	3.6	2.5	2.4
Waterloo-Cedar Falls .....	76.9	76.5	78.2	3.8	3.1	3.1	4.9	4.0	4.0
<b>Kansas</b> .....	1,329.3	1,333.9	1,334.2	55.6	65.8	60.3	4.2	4.9	4.5
Lawrence .....	47.1	47.0	48.9	1.5	1.6	1.7	3.2	3.8	3.4
Topeka .....	93.3	96.6	95.7	4.2	4.4	4.3	4.5	4.5	4.5
Wichita .....	263.1	263.7	262.6	12.2	15.9	15.0	4.6	6.0	5.7
<b>Kentucky</b> .....	1,760.3	1,796.0	1,777.4	118.1	113.3	112.1	6.7	6.3	6.3
Lexington-Fayette .....	198.0	204.2	203.0	8.8	8.9	6.6	4.5	4.4	4.3
Louisville .....	516.4	536.0	528.4	26.2	24.6	25.7	5.5	4.6	4.9
Owensboro .....	45.1	45.7	45.2	3.1	3.1	2.8	6.8	6.7	6.2
<b>Louisiana</b> .....	1,909.5	1,880.1	1,839.2	153.1	141.2	122.2	8.0	7.5	6.6
Alexandria .....	57.3	57.3	55.7	4.0	3.9	3.5	7.0	6.8	6.2
Baton Rouge .....	279.9	278.6	273.2	16.1	19.7	17.4	6.5	7.1	6.4
Houma-Thibodaux .....	69.3	67.5	66.2	6.6	4.9	4.2	9.5	7.3	6.3
Lafayette .....	107.1	104.4	102.0	7.5	5.8	5.1	7.0	5.8	5.0
Lake Charles .....	82.5	80.9	79.7	7.5	5.9	5.2	9.1	7.2	6.5
Monroe .....	69.6	67.0	66.7	4.7	4.3	3.9	6.7	6.5	5.9
New Orleans .....	571.6	558.0	547.5	42.2	41.0	36.2	7.4	7.4	6.6
Shreveport .....	156.1	156.7	152.8	10.7	10.2	9.0	6.9	6.5	5.9
<b>Maine</b> .....	665.4	667.8	655.7	41.0	41.0	44.8	6.2	6.1	6.8
Lewiston-Auburn .....	43.6	43.4	43.8	3.7	3.6	3.9	8.6	8.3	9.0
Portland .....	134.7	137.3	136.0	6.2	6.2	6.8	4.6	4.5	5.0

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Maryland</b> .....	2,642.3	2,626.2	2,636.6	172.3	177.0	162.2	6.5	6.7	6.2
Baltimore .....	1,240.9	1,235.5	1,231.7	92.9	97.9	88.9	7.5	7.9	7.2
<b>Massachusetts<sup>1</sup></b> .....	3,083.0	3,184.2	3,142.5	258.6	208.7	221.8	8.4	6.6	7.1
Boston .....	1,502.3	1,558.6	1,534.0	115.4	91.5	97.2	7.7	5.9	6.3
Brockton .....	94.4	96.0	94.7	9.8	7.7	8.0	10.4	8.0	8.4
Fall River .....	74.8	76.5	75.6	8.1	7.3	7.4	10.8	9.6	9.8
Fitchburg-Leominster .....	45.8	46.3	46.3	4.4	3.6	3.7	9.7	7.8	8.0
Lawrence-Haverhill .....	192.3	194.8	192.5	20.1	16.8	17.7	10.5	8.6	9.2
Lowell .....	147.4	146.7	145.0	15.3	11.5	12.0	10.4	7.8	8.3
New Bedford .....	83.3	86.2	85.2	9.2	7.9	8.4	11.0	9.1	9.9
Pittsfield .....	39.4	42.5	41.3	3.5	2.9	3.0	8.9	6.8	7.3
Springfield .....	247.5	252.3	251.5	21.9	19.6	20.6	8.8	7.8	8.2
Worcester .....	216.8	222.2	220.8	18.5	14.3	15.3	8.5	6.4	6.9
<b>Michigan<sup>1</sup></b> .....	4,621.7	4,769.1	4,662.8	391.2	301.2	306.3	8.5	6.3	6.6
Ann Arbor .....	160.7	161.7	160.8	8.0	6.0	6.1	5.0	3.7	3.8
Battle Creek .....	64.9	67.1	66.0	4.7	3.9	4.2	7.2	5.9	6.3
Benton Harbor .....	78.4	81.8	78.7	6.9	5.3	5.5	8.8	6.5	7.0
Detroit .....	2,146.0	2,213.5	2,160.1	188.7	141.1	149.0	8.8	6.4	6.9
Flint .....	183.9	184.6	182.0	23.1	17.1	17.7	12.5	9.2	9.7
Grand Rapids .....	392.6	405.6	400.5	27.1	18.7	18.9	6.9	4.6	4.7
Jackson .....	66.2	67.4	66.7	6.5	4.7	5.0	9.9	7.0	7.6
Kalamazoo .....	120.6	123.6	123.3	6.8	4.7	4.9	5.6	3.8	4.0
Lansing-East Lansing .....	239.5	239.5	241.9	13.7	15.6	11.3	5.7	6.5	4.7
Muskegon .....	67.7	68.7	66.7	7.8	6.1	6.1	11.5	8.8	9.1
Saginaw-Bay City-Midland .....	190.6	196.6	192.0	15.0	11.8	12.1	7.9	6.0	6.3
<b>Minnesota</b> .....	2,432.5	2,496.0	2,483.7	112.6	103.6	112.9	4.6	4.2	4.5
Duluth .....	116.0	114.9	114.6	7.1	6.9	7.7	6.1	6.0	6.7
Minneapolis-St. Paul .....	1,425.7	1,465.9	1,446.4	63.9	56.2	61.1	4.5	3.8	4.2
Rochester .....	66.7	68.4	67.5	2.1	1.7	2.3	3.1	2.4	3.4
St. Cloud .....	106.4	108.3	109.7	5.0	4.8	5.3	4.7	4.4	4.9
<b>Mississippi</b> .....	1,194.4	1,203.4	1,199.9	95.2	71.9	62.6	8.0	6.0	5.2
Jackson .....	204.2	206.6	207.4	12.1	9.5	8.3	5.9	4.6	4.0
<b>Missouri</b> .....	2,659.1	2,680.1	2,711.1	149.0	159.5	146.9	5.6	6.0	5.4
Kansas City .....	861.9	878.3	876.4	42.8	47.4	42.7	5.0	5.4	4.9
St. Louis LMA .....	1,256.6	1,257.4	1,261.7	71.2	80.5	73.0	5.7	6.4	5.8
Springfield .....	136.9	136.4	140.1	6.8	6.2	5.7	5.0	4.5	4.1
<b>Montana</b> .....	408.3	420.2	412.1	25.7	24.1	20.4	6.3	5.7	5.0
<b>Nebraska</b> .....	848.1	877.7	861.3	23.1	21.4	20.3	2.7	2.4	2.4
Lincoln .....	132.1	137.0	135.4	2.9	2.6	2.4	2.2	1.9	1.8
Omaha .....	342.7	352.7	345.8	11.6	9.9	9.6	3.4	2.8	2.8
<b>Nevada</b> .....	678.8	714.1	706.5	43.8	44.8	48.3	6.5	6.3	6.8
Las Vegas .....	425.8	450.5	445.8	28.5	29.8	31.9	6.7	6.6	7.2
Reno .....	142.3	148.5	147.5	8.4	7.9	8.7	5.9	5.3	5.9
<b>New Hampshire</b> .....	629.2	648.8	642.6	46.4	38.6	36.4	7.4	5.9	5.7
Manchester .....	84.0	86.9	85.1	6.6	4.8	4.8	7.8	5.5	5.7
Nashua .....	97.6	101.4	101.8	8.2	7.7	7.6	8.4	7.6	7.5
Portsmouth-Dover-Rochester .....	139.0	142.4	142.1	7.2	6.1	5.4	5.2	4.3	3.8
<b>New Jersey<sup>1</sup></b> .....	3,959.1	3,979.3	3,916.5	341.0	277.7	288.0	8.6	7.0	7.4
Atlantic City .....	187.7	198.8	191.3	17.6	14.1	15.7	9.4	7.1	8.2
Bergen-Passaic .....	668.4	667.3	662.3	57.1	46.6	49.9	8.5	7.0	7.5
Jersey City .....	265.0	259.2	258.6	32.5	25.3	26.9	12.3	9.8	10.4
Middlesex-Somerset-Hunterdon .....	581.8	587.2	576.9	41.8	35.8	33.8	7.2	6.1	5.9
Monmouth-Ocean .....	485.3	499.7	481.2	38.7	30.6	32.0	8.0	6.1	6.7
Newark .....	913.1	912.8	902.8	85.4	68.4	72.0	9.4	7.5	6.0
Trenton .....	170.2	169.0	166.7	11.2	9.9	10.0	6.6	5.9	6.0
Vineland-Millville-Bridgeton .....	61.0	59.8	59.5	7.3	6.2	6.4	12.0	10.5	10.8
<b>New Mexico</b> .....	726.8	742.0	739.4	45.6	53.8	48.7	6.3	7.2	6.6
Albuquerque .....	274.1	279.2	281.6	13.3	15.0	14.2	4.9	5.4	5.1
Las Cruces .....	63.0	62.4	64.1	3.9	5.6	4.6	6.2	9.0	7.1
Santa Fe .....	75.0	78.8	77.5	2.5	2.9	2.8	3.3	3.7	3.6

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>New York<sup>1</sup></b>	8,501.3	8,548.7	8,344.6	747.2	645.0	595.5	8.8	7.5	7.1
Albany-Schenectady-Troy	429.1	444.0	430.8	25.8	22.0	21.4	6.0	5.0	5.0
Binghamton	118.4	120.8	117.4	8.1	8.9	8.1	6.9	7.4	6.9
Buffalo	453.0	463.4	453.1	32.9	31.1	28.9	7.3	6.7	6.4
Elmira	41.4	42.9	42.2	2.6	2.3	2.2	8.2	5.4	5.3
Glens Falls	53.6	58.1	52.8	4.3	3.7	3.5	8.1	6.3	8.5
Nassau-Suffolk	1,325.4	1,347.7	1,315.7	104.2	90.1	84.7	7.9	6.7	6.4
New York	3,997.8	3,946.0	3,848.7	424.5	349.7	314.8	10.6	8.9	8.2
New York City <sup>1</sup>	3,364.0	3,297.0	3,222.0	382.0	312.0	279.0	11.4	9.5	8.7
Orange County	138.3	141.7	138.5	10.4	9.9	9.6	7.5	7.0	6.9
Poughkeepsie	116.9	114.9	113.8	8.4	11.3	11.0	7.2	9.8	9.7
Rochester	500.8	514.8	503.6	27.0	25.3	23.3	5.4	4.9	4.6
Syracuse	316.1	321.4	318.6	21.8	19.3	18.5	6.9	6.0	5.8
Utica-Rome	134.5	141.3	136.4	9.1	8.5	8.3	6.7	6.0	6.1
<b>North Carolina<sup>1</sup></b>	3,518.7	3,499.4	3,470.4	188.9	148.8	128.7	5.4	4.3	3.7
Asheville	97.2	98.2	97.3	4.4	3.5	3.0	4.5	3.5	3.1
Charlotte-Gastonia-Rock Hill	680.1	663.1	654.9	33.7	28.2	24.1	5.1	4.2	3.7
Greensboro-Winston-Salem-High Point	535.1	532.7	529.3	25.1	19.6	18.7	4.7	3.7	3.1
Raleigh-Durham	455.2	459.5	457.3	17.0	14.5	12.3	3.7	3.2	2.7
<b>North Dakota</b>	314.3	320.3	316.1	13.4	12.3	11.3	4.2	3.8	3.6
Bismarck	46.5	48.3	47.2	1.8	1.8	1.5	3.8	3.2	3.2
Fargo-Moorhead	88.6	91.0	90.7	2.8	2.5	2.6	2.9	2.8	2.9
Grand Forks	34.0	35.2	35.8	1.2	1.5	1.2	3.5	4.1	3.3
<b>Ohio<sup>1</sup></b>	5,530.5	5,589.7	5,447.5	347.4	282.9	350.9	6.3	5.1	6.4
Akron	345.3	347.8	340.7	20.6	15.4	18.2	8.0	4.4	5.3
Canton	199.4	201.8	198.9	13.5	10.8	14.1	6.8	5.2	7.2
Cincinnati	802.1	826.9	806.0	41.9	38.7	44.9	5.2	4.7	5.6
Cleveland	960.0	965.0	934.6	59.2	46.8	56.2	6.2	4.8	6.0
Columbus	768.2	781.7	759.1	37.3	32.2	42.1	4.9	4.1	5.5
Dayton-Springfield	480.0	460.9	469.1	27.5	19.8	24.7	5.7	4.1	5.3
Toledo	315.4	313.8	308.2	20.9	15.9	18.9	6.6	5.1	6.1
Youngstown-Warren	230.0	225.9	222.0	20.0	14.5	17.5	8.7	8.4	7.9
<b>Oklahoma</b>	1,531.0	1,550.7	1,533.3	83.1	90.7	88.6	5.4	5.8	5.6
Enid	27.6	28.7	27.9	1.0	1.0	1.0	3.8	3.8	3.6
Lawton	50.0	49.7	49.1	2.4	2.9	3.0	4.8	5.9	6.0
Oklahoma City	494.0	501.7	495.4	27.4	26.1	24.2	5.5	5.2	4.9
Tulsa	346.5	354.4	345.8	18.8	22.7	21.5	5.4	6.4	6.2
<b>Oregon</b>	1,580.0	1,598.0	1,598.4	108.9	109.8	110.7	7.0	6.9	6.9
Eugene-Springfield	149.0	153.3	153.2	10.2	11.2	11.2	6.8	7.3	7.3
Medford	78.8	80.1	81.3	6.4	6.8	6.1	8.1	8.5	7.5
Portland	719.3	738.7	734.2	45.2	42.0	44.1	6.3	5.7	6.0
Salem	151.4	156.9	159.1	9.3	10.6	10.8	6.2	8.7	8.8
<b>Pennsylvania<sup>1</sup></b>	6,003.6	6,128.6	6,030.3	418.9	431.7	380.8	7.0	7.0	6.3
Allentown-Bethlehem-Easton	342.5	351.7	349.2	26.1	24.7	21.5	7.6	7.0	6.2
Altoona	63.3	66.0	64.3	4.8	4.8	4.1	7.6	8.9	6.3
Beaver County	63.7	64.9	63.6	8.0	8.8	5.5	9.4	10.5	8.7
Erie	143.0	147.4	146.9	9.9	10.6	9.2	6.9	7.2	8.3
Harrisburg-Lebanon-Carlisle	342.3	353.8	345.5	17.1	18.3	14.4	5.0	4.6	4.2
Johnstown	100.7	106.8	104.9	9.9	11.1	9.7	9.8	10.4	9.3
Lancaster	234.8	242.2	238.1	10.7	10.7	9.4	4.6	4.4	3.9
Philadelphia	2,432.7	2,454.1	2,405.7	177.4	177.4	160.0	7.3	7.2	8.7
Pittsburgh	1,028.2	1,057.0	1,046.2	63.5	89.4	62.1	6.2	6.6	5.9
Reading	180.3	182.2	180.1	12.0	10.7	9.5	6.6	5.9	5.3
Scranton-Wilkes-Barre	378.0	386.5	378.9	34.2	32.6	28.2	9.0	8.4	7.4
Sharon	55.2	53.0	52.5	4.4	4.8	4.6	7.9	9.1	8.8
State College	70.6	70.5	71.1	4.1	4.2	3.7	5.8	6.0	5.3
Williamsport	61.3	62.4	60.4	4.1	4.7	4.2	6.7	7.5	6.9
York	233.1	241.5	239.7	13.5	13.3	12.4	5.8	5.5	5.2
<b>Rhode Island</b>	528.0	528.4	518.2	45.3	35.8	35.4	8.6	6.8	6.8
Pawtucket-Woonsocket-Attleboro	169.4	189.7	170.6	15.0	11.7	11.7	8.9	6.9	6.9
Providence	347.9	347.6	340.5	30.3	23.9	23.7	8.7	6.9	7.0
<b>South Carolina</b>	1,771.1	1,833.2	1,783.9	103.7	128.0	118.2	5.9	6.9	6.6
Charleston	241.9	255.6	245.1	13.3	16.2	15.0	5.5	6.3	6.1
Columbia	247.4	259.2	250.1	11.4	13.1	12.1	4.6	5.0	4.8
Greenville-Spartanburg	349.8	363.5	352.5	16.5	18.6	18.7	4.7	5.1	4.7
<b>South Dakota</b>	359.8	375.9	365.2	9.6	9.2	12.2	2.7	2.4	3.3
Rapid City	40.9	43.7	42.5	1.4	1.2	1.8	3.4	2.8	4.3
Sioux Falls	77.2	80.8	78.7	1.6	1.2	2.0	2.1	1.5	2.6

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		
	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>	Sept. 1992	Aug. 1993	Sept. 1993 <sup>P</sup>
<b>Tennessee</b> .....	2,459.7	2,492.0	2,489.2	148.7	131.5	131.0	6.0	5.3	5.3
Chattanooga .....	215.7	217.4	216.8	12.9	10.2	10.6	6.0	4.7	4.9
Johnson City-Kingsport-Bristol .....	227.6	225.5	222.5	12.2	11.8	11.5	5.4	5.2	5.2
Knoxville .....	308.9	312.3	311.2	15.6	14.7	14.1	5.0	4.7	4.5
Memphis .....	479.2	479.8	482.0	27.2	23.6	24.3	5.7	4.9	5.0
Nashville .....	545.0	558.6	553.9	26.7	21.7	21.4	4.9	3.9	3.9
<b>Texas<sup>1</sup></b> .....	8,728.1	8,943.7	8,943.1	651.3	594.8	577.9	7.5	6.7	6.5
Abilene .....	51.6	52.2	53.0	3.4	3.4	3.4	6.6	6.4	6.3
Amarillo .....	98.1	99.7	100.6	5.2	4.7	4.5	5.3	4.7	4.5
Austin .....	471.9	483.5	493.8	23.1	21.4	20.5	4.9	4.4	4.2
Beaumont-Port Arthur .....	176.8	181.6	180.8	15.6	18.1	17.6	8.8	10.0	9.7
Brazoria .....	91.2	92.0	91.9	7.2	7.6	7.2	7.9	8.3	7.8
Brownsville-Harlingen .....	112.0	115.4	114.7	13.4	11.7	11.6	12.0	10.1	10.2
Bryan-College Station .....	66.8	66.2	69.9	2.7	2.2	2.3	4.0	3.4	3.2
Corpus Christi .....	175.0	174.8	172.1	16.7	13.9	13.8	9.5	8.0	8.0
Dallas .....	1,463.2	1,508.3	1,505.1	101.3	86.7	84.6	6.9	5.7	5.6
El Paso .....	261.3	267.3	267.2	27.7	24.5	25.1	10.6	9.2	9.4
Fort Worth-Arlington .....	746.3	765.9	761.8	50.5	46.1	41.9	6.8	6.0	5.5
Galveston-Texas City .....	118.2	123.6	123.7	10.3	9.7	9.4	8.7	7.9	7.6
Houston .....	1,766.9	1,798.6	1,792.9	131.5	126.5	124.2	7.4	7.0	6.9
Killeen-Temple .....	103.1	108.0	108.3	7.9	7.2	7.3	7.7	6.6	6.7
Laredo .....	58.2	60.6	60.8	5.4	5.3	5.2	9.3	8.7	8.6
Longview-Marshall .....	81.2	81.8	81.7	7.7	6.9	6.7	9.5	8.4	8.3
Lubbock .....	115.1	117.6	117.6	7.3	6.3	5.9	6.3	5.3	5.0
McAllen-Edinburg-Mission .....	161.1	165.9	168.4	28.0	25.0	25.6	17.4	15.1	15.2
Midland .....	48.6	49.1	48.5	3.9	3.3	3.1	8.1	6.6	6.4
Odessa .....	53.7	53.9	53.8	5.7	4.7	4.4	10.7	8.7	8.3
San Angelo .....	45.7	46.4	46.7	2.7	2.8	2.7	5.9	6.0	5.8
San Antonio .....	630.9	651.9	655.8	41.4	38.7	36.0	6.6	5.9	5.5
Sherman-Denison .....	46.8	46.8	47.3	3.7	3.0	2.9	7.9	6.3	6.1
Texarkana .....	56.9	59.2	58.2	4.4	4.4	4.5	7.8	7.5	7.8
Tyler .....	76.7	77.3	77.3	6.0	5.2	4.9	7.8	6.7	6.4
Victoria .....	39.8	40.8	41.5	2.4	2.1	2.1	6.0	5.0	5.1
Waco .....	94.8	94.6	96.1	6.2	5.4	5.0	6.6	5.7	5.2
Wichita Falls .....	54.1	55.0	55.2	3.9	3.2	3.2	7.2	5.9	5.8
<b>Utah</b> .....	818.7	859.6	859.7	39.5	29.8	27.8	4.8	3.5	3.2
Provo-Orem .....	122.5	126.7	129.8	5.0	4.1	3.6	4.1	3.2	2.8
Salt Lake City-Ogden .....	528.1	554.3	551.2	25.5	18.5	17.4	4.8	3.3	3.2
<b>Vermont</b> .....	320.1	329.4	323.0	17.8	13.9	12.9	5.6	4.2	4.0
Burlington .....	80.4	81.1	80.0	3.3	2.8	2.6	4.1	3.4	3.2
<b>Virginia</b> .....	3,324.5	3,357.2	3,257.8	206.6	171.9	170.6	6.2	5.1	5.2
Charlottesville .....	72.8	71.9	71.9	3.3	2.5	2.6	4.5	3.5	3.5
Danville .....	53.9	53.4	53.0	3.7	3.3	3.3	6.8	6.2	6.2
Lynchburg .....	77.1	78.4	77.1	4.3	3.5	3.6	5.6	4.4	4.6
Norfolk-Virginia Beach-Newport News .....	660.4	666.7	645.3	46.2	39.4	41.0	7.0	5.9	6.4
Richmond-Petersburg .....	472.5	476.9	462.8	29.8	23.0	22.0	6.3	4.8	4.8
Roanoke .....	129.6	130.8	126.9	7.0	6.0	6.1	5.4	4.6	4.8
<b>Washington</b> .....	2,593.0	2,619.4	2,629.2	175.3	202.7	193.7	6.8	7.7	7.4
Seattle .....	1,134.9	1,147.3	1,146.4	69.3	78.0	77.8	6.1	6.8	6.8
<b>West Virginia</b> .....	760.7	775.8	768.2	85.0	74.4	71.4	11.2	9.6	9.3
Charleston .....	117.2	121.9	120.0	10.4	9.3	9.1	8.9	7.6	7.6
Huntington-Ashland .....	131.9	131.4	129.7	13.1	12.1	12.2	10.0	9.2	9.4
Parkersburg-Marietta .....	74.7	74.2	73.7	6.6	5.2	5.7	8.8	7.0	7.7
Wheeling .....	71.0	72.0	70.5	6.2	5.1	5.5	8.8	7.1	7.8
<b>Wisconsin</b> .....	2,674.6	2,721.4	2,692.4	136.6	113.3	103.6	5.1	4.2	3.8
Appleton-Oshkosh-Neenah .....	185.8	189.9	187.4	9.1	7.5	6.9	4.9	4.0	3.7
Eau Claire .....	73.5	74.0	73.1	3.8	3.3	3.0	5.2	4.5	4.2
Green Bay .....	120.3	122.3	121.0	6.1	4.4	4.4	5.0	3.6	3.6
Janesville-Beloit .....	73.8	74.4	73.8	4.2	4.8	4.5	5.7	6.5	6.2
Kenosha .....	58.2	58.8	58.6	3.4	3.1	3.0	5.9	5.2	5.1
La Crosse .....	57.2	56.5	56.9	2.7	2.2	2.1	4.8	3.9	3.8
Madison .....	243.5	249.1	246.7	7.5	4.8	4.6	3.1	1.9	1.9
Milwaukee .....	770.7	791.1	780.5	36.7	32.7	30.5	4.8	4.1	3.9
Racine .....	88.8	91.1	89.2	5.5	5.2	4.7	6.2	5.7	5.3
Sheboygan .....	60.7	60.1	58.5	3.9	2.0	1.6	6.4	3.3	2.8
Wausau .....	66.2	67.4	65.7	3.9	2.7	2.3	5.9	4.1	3.5
<b>Wyoming</b> .....	242.3	241.3	240.1	11.6	12.5	10.3	4.8	5.2	4.3
Casper .....	30.1	29.4	29.6	2.0	2.1	1.7	6.6	7.2	5.9

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

# Explanatory Notes

## Introduction

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

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

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The Current Employment Statistics (CES) survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are currently based on payroll reports from a sample of over 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) *Newentrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



couple families but relates only to persons in families maintained by either men or women without a 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 estimation procedure. It had been discontinued during the period from January 1982 to December 1984. In January 1985, this method was reintroduced into the CPS estimation procedure. With "the inflation-deflation" method, the independent controls are prepared by inflating the 1980 census counts to include estimated undercounts by age, sex, and race, thus aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These postcensal population estimates are then deflated to reflect the pattern of net undercount in the most recent census by age, sex, and race. Because an estimate of undercount is first added and then subtracted, the size of each race-sex group is unaffected by the "inflation-deflation" method. Similarly, the final estimate is affected only by the age structure of the undercount, but not the level. This feature of the method is important because the exact amount of undercount in the 1980 census remains unknown.

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

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

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

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

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

### **Rounding of estimates**

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

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

### **Reliability of the estimates**

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

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

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

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

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

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

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

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

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

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

above the estimate would include the true population value.

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

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

The generalized variance functions and standard errors provided here are based on the sample design and estimation procedures as of 1987 and have been adjusted to reflect the population levels and sample size as of 1991. For years prior to 1967, the standard errors obtained must be further adjusted to reflect the CPS sample size in effect at that time. For years prior to 1956, standard errors should be multiplied by 1.5; for the years 1956 through 1966, standard errors should be multiplied by 1.22.

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

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

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

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

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



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

(In thousands)

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

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

*Use of tables 1-B and 1-C.* These tables provide a quick reference for standard errors of major characteristics. Table 1-B gives approximate standard errors for estimates of monthly levels and consecutive month-to-month changes in levels for major employment status categories. Table 1-C gives approximate standard errors for estimates

of monthly unemployment rates and consecutive month-to-month changes in unemployment rates for some demographic, industrial, and occupational categories. For characteristics not given in tables 1-B and 1-C, refer to either tables 1-D and 1-E or tables 1-F and 1-G.

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

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

*Illustration.* Assume that between 2 consecutive months the estimated number of employed persons changed from 115,600,000 to 116,700,000, an apparent increase of 1,100,000. The approximate standard error on this month-to-month change estimate is based on the average level of the estimate for the 2 months, 116,150,000. Using the table 1-E column titled "labor force data other than unemployment and agricultural employment, total," it is necessary to find the standard errors corresponding to the two monthly level entries between which the value 116,150,000 lies. The standard error corresponding to 100,000,000 is given as 240,000, and the standard error corresponding to 120,000,000 is given as 206,000. Use linear interpolation to find the approximate standard error on month-to-month change corresponding to the level 116,150,000; one method of calculation is given below.

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

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

*Use of tables 1-F and 1-G.* These tables can be used to find approximate standard errors for a wide range of estimated monthly levels, proportions, rates, and estimates of consecutive monthly change. Instead of displaying standard

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

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

errors, these tables provide parameters to be used with the formulas given below that allow the user to calculate standard errors.

Table 1-G, which applies to estimates of consecutive monthly change, lists parameters for some characteristics classified by a measure of correlation between monthly estimates. Estimates of the number of persons employed full

time, for example, change relatively little from 1 month to the next, and the two monthly estimates are said to be highly correlated. Consecutive monthly estimates of part-time employment, by contrast, have low correlation, because these estimates are relatively volatile.

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

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

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

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

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

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

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

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

An approximate 90-percent confidence interval for the true month-to-month change would be the interval from -16,000 to 416,000. Because this interval covers zero, one cannot assert at this level of confidence that any real change has occurred in the unemployment level. This result can also be expressed by saying that the apparent

**Table 1-D. Standard errors for estimates of monthly levels**

(in thousands)

Estimated monthly level	Characteristic									
	Agricultural employment		Unemployment			Labor force data other than agricultural employment and unemployment				
	Total or white	Black	Total or white	Black	Hispanic origin	Total	White	Black	Hispanic origin	
									Employed	Civilian labor force or not in labor force
50	11	11	11	11	12	11	11	11	12	12
100	16	16	16	16	16	16	16	16	17	17
500	38	36	35	36	36	35	35	36	38	38
1,000	57	50	49	49	51	50	50	50	52	52
2,000	88	69	70	67	71	70	70	69	71	71
4,000	145		98	86	96	99	98	93	93	93
6,000	200		119	94		120	120	108	102	102
8,000	253		137	93		138	137	117	104	104
10,000	307		152	84		153	152	122	97	97
15,000			183			184	183	117		
20,000			207			209	207	84		
30,000						246	243			
40,000						273	267			
50,000						293	284			
60,000						306	294			
70,000						313	297			
80,000						316	295			
100,000						306	272			
120,000						275	216			
140,000						211				
160,000										
180,000										

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

(In thousands)

Estimated monthly level	Characteristic									
	Agricultural employment		Unemployment			Labor force data other than agricultural employment and unemployment				
	Total or white	Black	Total or white	Black	Hispanic origin	Total	White	Black	Hispanic origin	
									Employed	Civilian labor force or not in labor force
50	13	11	13	13	14	9	9	9	10	9
100	18	15	19	19	19	13	13	13	14	12
500	39	34	42	41	43	29	29	30	32	27
1,000	53	48	58	57	60	41	41	41	44	37
2,000	71	66	82	76	82	57	57	57	60	50
4,000	85		113	92	107	81	81	76	77	65
6,000	82		134	91		98	98	87	84	72
8,000	58		151	72		112	112	93	84	73
10,000			163			125	125	95	76	68
15,000			184			150	150	82		
20,000			192			170	170			
30,000						200	200			
40,000						222	222			
50,000						237	237			
60,000						246	246			
70,000						251	251			
80,000						252	252			
100,000						240	240			
120,000						206	206			
140,000						138	138			
160,000										
180,000										

change of 200,000 is not significant at a 90-percent confidence level.

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

The reliability of an estimated percentage or rate depends upon the magnitude of the percentage or rate and its base. When the numerator and base are in different

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

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

*Illustration.* For a given month, suppose that 5,600,000 women, 20 to 24 years of age, are estimated to be employed. Of this total, 1,800,000 or 32 percent are classified as part-time workers. To estimate the standard error on this percentage, proceed as follows. Obtain the parameter  $b = 2111.70$  from table 1-F ("labor force and not-in-labor-force data other than agricultural employment and unemployment, total women"). Apply the formula to obtain:

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

Suppose that in the next month 5,700,000 women in this same age group are reported employed and that 1,950,000 or 34 percent are part-time workers. To estimate the standard error on the observed month-to-month change of 2 percentage points, first average the values for  $p$  and  $y$  over the 2 months to get  $p = 33$  percent and  $y = 5,650,000$ . Next, obtain the parameter  $b = 2245.76$  from table 1-G ("labor force and not-in-labor-force data other than agricultural employment and unemployment, total or white, women, low correlation characteristics") and apply the formula as follows.

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

It should be noted that the numerator of the percentage (part-time employed) determined the choice of correlation. If the example had illustrated percentages of women employed full time, the numerator would have been a high correlation characteristic. Table 1-G, however, does not explicitly list high correlation parameters for employed women; thus, the row labeled "women, most characteristics" would have been used.

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

*Use of table 1-H.* Use this table with table 1-B, 1-C, 1-D, or 1-F to calculate approximate standard errors for quarterly or yearly averages, changes in consecutive quarterly or yearly averages, and consecutive year-to-year changes

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

Characteristic	a	b
Labor force and not-in-labor-force data other than agricultural employment and unemployment:		
Total <sup>1</sup> .....	-0.000015503	2488.36
Men <sup>1</sup> .....	-.000028833	2300.61
Women .....	-.000025830	2111.70
Both sexes, 16 to 19 years .....	-.000149802	2039.69
White <sup>1</sup> .....	-.000017494	2488.36
Men .....	-.000032295	2300.61
Women .....	-.000029346	2111.70
Both sexes, 16 to 19 years .....	-.000177579	2039.69
Black .....	-.000113103	2613.14
Men .....	-.000273973	2458.39
Women .....	-.000164107	2181.67
Both sexes, 16 to 19 years: .....	-.001144754	2390.62
Hispanic origin .....	-.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 .....	-.000021749	2155.45
Black .....	-.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 .....	-.000015749	2464.91
Black .....	-.000191460	2621.89
Hispanic origin .....	-.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 .....	-0.000010944	1668.04
High correlation characteristics <sup>1</sup> .....	-0.000008144	1304.38
Low correlation characteristics <sup>1</sup> .....	-0.000014170	2126.02
Men:		
Most characteristics .....	-0.000019884	1599.03
High correlation characteristics .....	-0.000014794	1249.33
Low correlation characteristics .....	-0.000051372	2221.13
Women:		
Most characteristics .....	-0.000018554	1410.58
Low correlation characteristics .....	-0.000052252	2245.76
Both sexes, 16 to 19 years .....	-0.000162663	2097.34
Black:		
Most characteristics .....	-0.000089327	1787.47
Low correlation characteristics .....	-0.001740338	5422.14
Men:		
Most characteristics .....	-0.000212603	1912.52
Low correlation characteristics .....	-0.002613218	4889.94
Women:		
Most characteristics .....	-0.000140597	1539.24
Low correlation characteristics .....	-0.002078353	4483.53
Both sexes, 16 to 19 years .....	-0.001139392	2538.37
Hispanic origin:		
Total .....	-0.000152279	2098.10
Civilian labor force and not in labor force .....	-0.000099676	1459.85
Low correlation characteristics .....	-0.002541911	6518.78
Men, civilian labor force and not in labor force .....	-0.000238849	1749.13
Men, 16 years and over; 20 years and over; and both sexes, 16 to 19 years .....	-0.000384132	2694.10
Women, 16 years and over and 20 years and over .....	-0.000330113	1972.12
Agricultural employment:		
Total or white:		
Total .....	-0.000346999	3199.19
Men .....	-0.000592136	3295.42
Women or both sexes, 16 to 19 years .....	.000113873	1975.66
Black:		
Total or women .....	-0.000110444	2382.12
Men or both sexes, 16 to 19 years .....	-.017331654	4929.50
Hispanic origin:		
Total or women .....	.002782195	3509.38
Men or both sexes, 16 to 19 years .....	.002777539	3001.45
Self-employed .....	-0.000215510	1743.43
Unemployment: <sup>2</sup>		
Total or white:		
Total, men, women .....	-0.000082123	3494.11
Both sexes, 16 to 19 years and low correlation characteristics .....	-0.000062800	4269.23
Black:		
Total, men, women, and both sexes, 16 to 19 years .....	-0.000373894	3630.26
High correlation characteristics .....	.000043481	2571.23
Hispanic origin:		
Total, men, women .....	-0.000244978	3822.03
Both sexes, 16 to 19 years and low correlation characteristics .....	-0.000965230	5321.96

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

<sup>2</sup> High correlation characteristics include full-time jobseekers; job losers; manufacturing workers; and operators, fabricators, and laborers. Low correlation characteristics include part-time jobseekers, 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.

NOTE: Errors are based on differences from January 1988 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.

# 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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