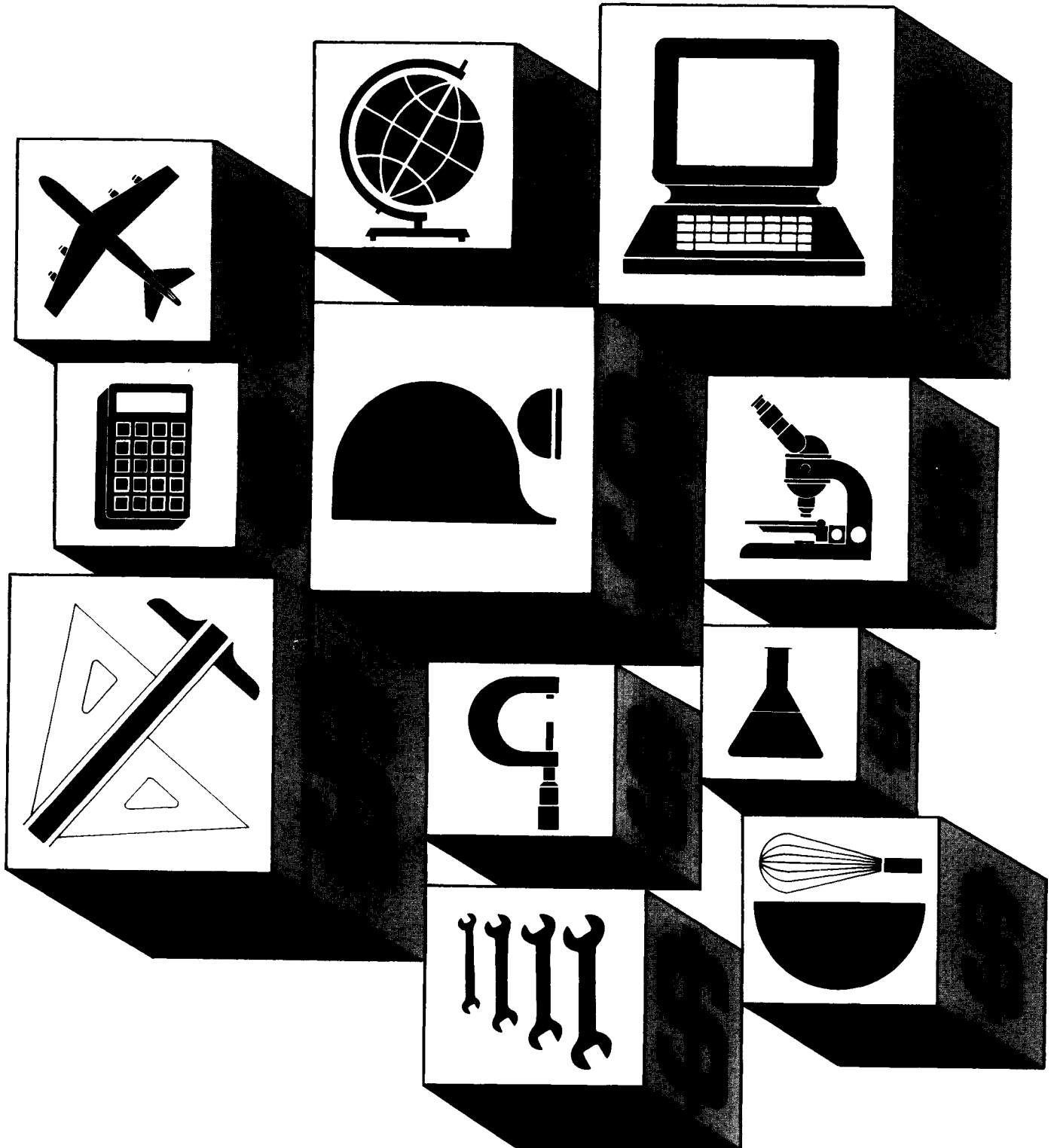




EMPLOYMENT AND EARNINGS

U.S. Department of Labor
Bureau of Labor Statistics
November 1991





U.S. DEPARTMENT OF LABOR

Lynn Martin, Secretary

Calendar of Features

BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

Employment and Earnings is prepared in the Office of Employment and Unemployment Statistics in collaboration with the Office of Publications. The data are collected by the Bureau of the Census (Department of Commerce) and State employment security agencies, in cooperation with the Bureau of Labor Statistics. A brief description of the cooperative statistical programs of the BLS with these agencies is presented in the Explanatory Notes. The State agencies are listed on the inside back cover.

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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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Industry detail (final)	Mar.
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National data revised to reflect new benchmarks and new seasonal adjustment factors	June
Revised historical national data	Supplement ¹
State and area annual averages	May
Area definitions	May

State and area labor force data

Annual averages	May
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¹ The latest supplement was published in July 1991.

Employment and Earnings

Vol. 38 No. 11 November 1991

Editors: Gloria Peterson Green, Eugene H. Becker

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Employment and Unemployment Developments, October 1991

Both employment and unemployment were essentially unchanged in October. The unemployment rate was 6.8 percent, little different from the 6.7-percent rate in September and the same as in July and August.

October job losses in the goods-producing sector and in retail trade were offset by gains in the services industry, based on data from the survey of establishments. Total employment, as estimated from the household survey, was little changed, after a large increase the previous month.

Unemployment

The unemployment rate, 6.8 percent, and the number of unemployed persons, 8.6 million, were about the same in October as in the prior month. In fact, the unemployment situation has shown little change since March. The October unemployment rate was 1.3 percentage points higher than in July 1990, when the recession began; the number of unemployed persons was up by 1.8 million. (See table A-33.)

The unemployment rate for adult men was unchanged in October, at 6.4 percent, while the rate for adult women edged up 0.3 percentage point to 5.8 percent, after declining the previous month. The jobless rate for teenagers held fairly steady at 18.8 percent. Unemployment rates for whites (6.0 percent), blacks (12.7 percent), and persons of Hispanic origin (10.6 percent) were about the same as in September as well. About 2-1/2 million persons had been jobless 15 weeks or more, an increase of 175,000 from September. (See tables A-33, A-34, and A-40.)

Total employment and the labor force

Total employment, at 117.0 million, was little changed in October, following a large increase in the prior month. The number of employed persons was about 900,000 lower than in July 1990. The proportion of the working-age population with jobs (the employment-population ratio) was 61.5 percent; it has been near that level since May and was 1.2 percentage points below the figure for July 1990. (See table A-33.)

The number of persons in the labor force changed little in October at 125.5 million workers, seasonally adjusted. Since October of 1990, only about half a million workers have been added to the labor force. Over this period, a declining youth population and small reductions in labor force participation rates (the proportion of the working-

age population either employed or actively seeking employment) among several groups have accounted for the very slow labor force growth. The participation rate was about unchanged in October at 66.0 percent. (See table A-33.)

Industry payroll employment

Nonfarm payroll employment was unchanged in October, following 2 months of small increases. Moderate declines in manufacturing, construction, and retail trade were offset by an increase in services.

The number of manufacturing jobs fell by about 30,000 for the second consecutive month, erasing the job gains in July and August. The October declines were concentrated in durable goods industries, especially transportation equipment, machinery, electronic equipment, instruments, and primary metals. (See table B-4.)

Construction employment also fell by about 30,000 in October, continuing a downward trend which has reduced the industry payrolls by 10 percent since May 1990. Mining employment continued to slide in October and was 5 percent below the February level.

The number of jobs in retail trade fell by about 45,000, as hiring for the holiday season in general merchandise stores was less than usual and cutbacks in eating and drinking places were greater than average. Employment in wholesale trade edged down in October, for the sixteenth consecutive over-the-month decline. In contrast, there was job growth in the services industry for the sixth month in a row. The gain of 100,000 in October was divided among business, health, and other services.

Weekly hours

The average workweek for production or nonsupervisory workers on private nonfarm payrolls decreased by 0.2 hour in October, reversing a similar increase in September. The manufacturing workweek edged down by 0.1 hour but, at 40.9 hours, was still high by recent historical standards. Overtime hours in manufacturing remained at 3.7 hours, also a relatively high level. (See table C-5.)

As a result of the decline in the workweek, the index of aggregate weekly hours of private production or nonsupervisory workers fell by 0.7 percent to 121.4 (1982=100) in October, seasonally adjusted. The index for manufacturing was down 0.2 percent to 102.8, 2.6 percent below its October 1990 level. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings of private production or non-supervisory workers were little changed in October after seasonal adjustment. Average weekly earnings decreased

by 0.7 percent. Before seasonal adjustment, average hourly earnings were down 1 cent to \$10.45 and average weekly earnings declined by \$3.48 to \$359.48. Over the year, average hourly and weekly earnings rose by 3.1 and 3.4 percent, respectively. (See tables C-1 and C-7.)

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 6	February	March 6
December	January 10	March	April 3
January	February 7	April	May 8

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1958 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 ¹	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 ¹	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 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	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 ¹	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 ¹	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	
Monthly data, seasonally adjusted²												
1990:												
October	190,095	126,445	66.5	119,303	1,570	117,733	3,175	114,558	7,142	5.6	63,650	
November	190,312	126,338	66.4	119,001	1,615	117,386	3,185	114,201	7,337	5.8	63,974	
December	190,483	126,791	66.6	119,191	1,617	117,574	3,253	114,321	7,600	6.0	63,692	
1991:												
January	190,592	126,253	66.2	118,537	1,615	116,922	3,163	113,759	7,715	6.1	64,339	
February	190,717	126,678	66.4	118,520	1,602	116,918	3,222	113,696	8,158	6.4	64,039	
March	190,703	126,786	66.5	118,214	1,460	116,754	3,098	113,656	8,572	6.8	63,917	
April	190,836	127,128	66.6	118,854	1,456	117,398	3,156	114,243	8,274	6.5	63,708	
May	190,980	126,690	66.3	118,049	1,458	116,591	3,272	113,319	8,640	6.8	64,291	
June	191,173	127,134	66.5	118,389	1,505	116,884	3,308	113,576	8,745	6.9	64,039	
July	191,443	126,818	66.2	118,316	1,604	116,712	3,239	113,474	8,501	6.7	64,625	
August	191,589	126,520	66.0	118,032	1,616	116,416	3,266	113,150	8,488	6.7	65,069	
September	191,746	127,231	66.4	118,789	1,624	117,165	3,306	113,859	8,442	6.6	64,515	
October	191,903	127,163	66.3	118,581	1,614	116,967	3,195	113,772	8,582	6.7	64,740	

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

² 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, 1980 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				
Annual averages												
MEN												
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
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 ¹	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	
Monthly data, seasonally adjusted²												
1990:												
October	91,299	69,804	76.5	65,822	1,414	64,408	2,504	61,904	3,982	5.7	21,495	
November	91,440	69,899	76.4	65,790	1,453	64,337	2,518	61,819	4,109	5.9	21,541	
December	91,537	70,058	76.5	65,781	1,454	64,327	2,572	61,755	4,277	6.1	21,479	
1991:												
January	91,590	69,543	75.9	65,251	1,453	63,798	2,466	61,331	4,292	6.2	22,047	
February	91,650	69,749	76.1	65,043	1,439	63,604	2,520	61,084	4,706	6.7	21,901	
March	91,587	69,808	76.2	64,846	1,314	63,532	2,456	61,076	4,962	7.1	21,779	
April	91,652	69,855	76.2	65,112	1,310	63,802	2,504	61,298	4,743	6.8	21,797	
May	91,720	69,704	76.0	64,746	1,303	63,443	2,596	60,847	4,957	7.1	22,017	
June	91,839	69,793	76.0	64,750	1,345	63,405	2,640	60,765	5,043	7.2	22,046	
July	92,023	69,821	75.9	64,820	1,431	63,389	2,586	60,803	5,001	7.2	22,202	
August	92,100	69,652	75.6	64,770	1,442	63,328	2,580	60,748	4,882	7.0	22,448	
September	92,185	70,261	76.2	65,285	1,449	63,836	2,594	61,241	4,976	7.1	21,924	
October	92,270	69,998	75.9	65,142	1,440	63,702	2,535	61,167	4,856	6.9	22,272	
Annual averages												
WOMEN												
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
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 ¹	94,944	52,568	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
1987	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	
Monthly data, seasonally adjusted²												
1990:												
October	98,796	56,641	57.3	53,481	156	53,325	671	52,654	3,160	5.6	42,155	
November	98,872	56,439	57.1	53,211	162	53,049	667	52,382	3,228	5.7	42,433	
December	98,946	56,733	57.3	53,410	163	53,247	681	52,566	3,323	5.9	42,213	
1991:												
January	99,002	56,710	57.3	53,287	162	53,125	697	52,428	3,423	6.0	42,292	
February	99,067	56,929	57.5	53,477	163	53,314	703	52,611	3,452	6.1	42,138	
March	99,116	56,978	57.5	53,368	146	53,222	642	52,580	3,610	6.3	42,138	
April	99,184	57,273	57.7	53,742	146	53,596	651	52,945	3,531	6.2	41,911	
May	99,260	56,986	57.4	53,303	155	53,148	676	52,473	3,683	6.5	42,274	
June	99,334	57,341	57.7	53,639	160	53,479	668	52,811	3,702	6.5	41,993	
July	99,421	56,997	57.3	53,496	173	53,323	653	52,670	3,500	6.1	42,424	
August	99,489	56,868	57.2	53,262	174	53,088	685	52,402	3,606	6.3	42,621	
September	99,561	56,971	57.2	53,505	175	53,330	712	52,618	3,466	6.1	42,590	
October	99,633	57,165	57.4	53,438	174	53,264	660	52,605	3,726	6.5	42,468	

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

² 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, 1958 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								
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	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 ²	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 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	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 ¹	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 ¹	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
Monthly data, seasonally adjusted ²								
1990:								
October	188,525	124,875	66.2	117,733	7,142	5.7	5.8	5.6
November	188,697	124,723	66.1	117,386	7,337	5.9	6.0	5.7
December	188,866	125,174	66.3	117,574	7,600	6.1	6.2	5.9
1991:								
January	188,977	124,638	66.0	116,922	7,715	6.2	6.3	6.1
February	189,115	125,076	66.1	116,918	8,158	6.5	6.9	6.1
March	189,243	125,326	66.2	116,754	8,572	6.8	7.2	6.4
April	189,380	125,672	66.4	117,398	8,274	6.6	6.9	6.2
May	189,522	125,232	66.1	116,591	8,640	6.9	7.2	6.5
June	189,668	125,629	66.2	116,884	8,745	7.0	7.4	6.5
July	189,839	125,214	66.0	116,712	8,501	6.8	7.3	6.2
August	189,973	124,904	65.7	116,416	8,488	6.8	7.2	6.4
September	190,122	125,607	66.1	117,165	8,442	6.7	7.2	6.1
October	190,289	125,549	66.0	116,967	8,582	6.8	7.1	6.5

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

Explanatory Notes.

² The population figures are not adjusted for seasonal variation.

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

(Numbers in thousands)

Age, sex, and race	October 1991										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	190,289	125,568	66.0	117,555	8,013	6.4	64,721	25,810	9,107	3,818	25,986
16 to 19 years	13,263	6,543	49.3	5,312	1,232	18.8	6,719	467	5,785	21	446
16 to 17 years	6,599	2,581	39.1	2,032	549	21.3	4,018	103	3,750	10	155
18 to 19 years	6,663	3,962	59.5	3,280	683	17.2	2,701	364	2,035	11	291
20 to 24 years	17,910	13,645	76.2	12,175	1,470	10.8	4,265	1,451	2,044	93	677
25 to 54 years	107,625	90,083	83.7	85,301	4,783	5.3	17,541	11,306	1,219	1,668	3,348
25 to 34 years	42,254	35,387	83.7	33,081	2,306	6.5	6,867	4,636	809	358	1,064
25 to 29 years	20,083	16,687	83.1	15,479	1,209	7.2	3,395	2,228	527	137	503
30 to 34 years	22,171	18,700	84.3	17,602	1,098	5.9	3,471	2,409	282	220	561
35 to 44 years	38,961	33,254	85.4	31,716	1,538	4.6	5,707	3,734	303	594	1,077
35 to 39 years	20,519	17,434	85.0	16,581	853	4.9	3,085	2,023	192	281	589
40 to 44 years	18,442	15,819	85.8	15,135	685	4.3	2,623	1,711	110	313	488
45 to 54 years	26,409	21,443	81.2	20,504	938	4.4	4,967	2,936	108	717	1,207
45 to 49 years	14,528	12,212	84.1	11,673	540	4.4	2,316	1,410	71	323	511
50 to 54 years	11,881	9,230	77.7	8,832	398	4.3	2,651	1,526	36	393	696
55 to 64 years	21,148	11,791	55.8	11,362	429	3.6	9,357	4,083	33	838	4,404
55 to 59 years	10,558	6,987	66.2	6,739	248	3.5	3,571	1,799	16	407	1,348
60 to 64 years	10,590	4,804	45.4	4,623	181	3.8	5,786	2,284	17	431	3,055
65 years and over	30,343	3,505	11.6	3,406	99	2.8	26,838	8,504	27	1,197	17,110
65 to 69 years	10,032	2,071	20.6	2,002	69	3.3	7,961	2,666	6	262	5,027
70 to 74 years	8,207	925	11.3	907	18	1.9	7,282	2,320	2	241	4,719
75 years and over	12,104	509	4.2	497	13	2.5	11,595	3,517	19	695	7,364
Men											
16 years and over	90,830	68,255	75.1	63,921	4,334	6.3	22,575	608	4,587	2,126	15,254
16 to 19 years	6,678	3,361	50.3	2,721	640	19.0	3,318	26	3,016	12	263
16 to 17 years	3,372	1,302	38.6	1,015	287	22.1	2,070	7	1,970	6	87
18 to 19 years	3,306	2,059	62.3	1,706	353	17.1	1,248	19	1,046	7	175
20 to 24 years	8,729	7,173	82.2	6,378	795	11.1	1,557	34	1,074	60	389
25 to 54 years	52,743	49,078	93.1	46,497	2,581	5.3	3,665	300	480	1,091	1,793
25 to 34 years	20,813	19,574	94.0	18,382	1,191	6.1	1,239	108	360	255	517
25 to 29 years	9,870	9,231	93.5	8,581	650	7.0	639	46	254	101	238
30 to 34 years	10,943	10,342	94.5	9,801	541	5.2	601	62	106	154	279
35 to 44 years	19,107	17,945	93.9	17,049	896	5.0	1,163	117	94	371	580
35 to 39 years	10,098	9,489	94.0	8,991	499	5.3	609	60	56	169	324
40 to 44 years	9,009	8,455	93.9	8,058	397	4.7	554	58	38	202	255
45 to 54 years	12,822	11,559	90.2	11,066	493	4.3	1,263	75	26	465	697
45 to 49 years	7,087	6,556	92.5	6,288	268	4.1	531	29	16	219	267
50 to 54 years	5,735	5,003	87.2	4,778	225	4.5	732	46	10	246	429
55 to 64 years	10,004	6,675	66.7	6,412	263	3.9	3,329	98	14	490	2,728
55 to 59 years	5,035	3,935	78.2	3,799	136	3.5	1,100	41	8	243	807
60 to 64 years	4,970	2,740	55.1	2,614	127	4.6	2,229	57	6	246	1,920
65 years and over	12,675	1,968	15.5	1,912	56	2.8	10,707	150	2	473	10,082
65 to 69 years	4,551	1,105	24.3	1,062	43	3.9	3,446	36	2	149	3,259
70 to 74 years	3,606	560	15.5	553	7	1.3	3,046	33	-	110	2,903
75 years and over	4,518	302	6.7	297	5	1.7	4,215	81	-	214	3,920
Women											
16 years and over	99,459	57,313	57.6	53,635	3,678	6.4	42,146	25,202	4,520	1,692	10,731
16 to 19 years	6,584	3,183	48.3	2,591	592	18.6	3,402	441	2,769	9	184
16 to 17 years	3,227	1,279	39.6	1,017	262	20.5	1,948	95	1,780	5	68
18 to 19 years	3,357	1,904	56.7	1,573	330	17.3	1,454	345	988	4	116
20 to 24 years	9,181	6,472	70.5	5,796	676	10.4	2,709	1,417	970	33	289
25 to 54 years	54,882	41,006	74.7	38,804	2,202	5.4	13,876	11,006	739	577	1,555
25 to 34 years	21,441	15,813	73.8	14,898	1,115	7.1	5,627	4,529	449	103	547
25 to 29 years	10,213	7,456	73.0	6,897	559	7.5	2,757	2,182	273	37	265
30 to 34 years	11,228	8,357	74.4	7,801	556	6.7	2,871	2,347	176	66	282
35 to 44 years	19,854	15,309	77.1	14,667	642	4.2	4,545	3,616	208	223	497
35 to 39 years	10,421	7,945	76.2	7,590	355	4.5	2,476	1,963	136	112	265
40 to 44 years	9,433	7,364	78.1	7,077	287	3.9	2,069	1,653	72	111	233
45 to 54 years	13,587	9,883	72.7	9,438	445	4.5	3,704	2,861	81	252	510
45 to 49 years	7,441	5,656	76.0	5,385	271	4.8	1,785	1,381	56	104	244
50 to 54 years	6,146	4,227	68.8	4,054	173	4.1	1,919	1,479	26	147	267
55 to 64 years	11,144	5,116	45.9	4,950	166	3.2	6,028	3,985	19	349	1,676
55 to 59 years	5,523	3,052	55.3	2,940	112	3.7	2,471	1,758	8	164	541
60 to 64 years	5,621	2,064	36.7	2,009	54	2.6	3,557	2,227	11	184	1,135
65 years and over	17,668	1,537	8.7	1,494	43	2.8	16,131	8,353	25	724	7,028
65 to 69 years	5,481	966	17.6	940	25	2.6	4,515	2,630	4	113	1,768
70 to 74 years	4,601	365	7.9	355	10	2.9	4,236	2,287	2	131	1,816
75 years and over	7,586	207	2.7	199	8	3.7	7,380	3,436	19	480	3,444

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	October 1991										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	161,846	107,656	66.5	101,661	5,995	5.6	54,190	22,052	6,822	2,863	22,452
16 to 19 years	10,611	5,660	53.3	4,747	912	16.1	4,952	338	4,304	14	296
16 to 17 years	5,257	2,296	43.7	1,880	416	18.1	2,961	82	2,775	2	102
18 to 19 years	5,354	3,363	62.8	2,867	496	14.8	1,991	257	1,529	11	194
20 to 24 years	14,640	11,453	78.2	10,440	1,012	8.8	3,187	1,112	1,557	69	449
25 to 54 years	91,080	76,998	84.5	73,381	3,617	4.7	14,082	9,397	913	1,248	2,524
25 to 34 years	35,276	29,922	84.8	28,254	1,668	5.6	5,354	3,784	606	236	728
25 to 29 years	16,687	14,054	84.2	13,214	839	6.0	2,633	1,792	401	90	351
30 to 34 years	18,589	15,868	85.4	15,040	828	5.2	2,721	1,992	205	147	377
35 to 44 years	33,157	28,508	86.0	27,324	1,184	4.2	4,649	3,129	230	461	828
35 to 39 years	17,345	14,841	85.6	14,197	643	4.3	2,505	1,700	142	210	452
40 to 44 years	15,812	13,667	86.4	13,127	541	4.0	2,144	1,429	87	251	376
45 to 54 years	22,647	18,568	82.0	17,803	765	4.1	4,080	2,483	78	550	968
45 to 49 years	12,465	10,537	84.5	10,093	444	4.2	1,928	1,224	47	256	400
50 to 54 years	10,183	8,031	78.9	7,710	321	4.0	2,152	1,259	30	294	568
55 to 64 years	18,344	10,350	56.4	9,980	370	3.6	7,994	3,517	24	630	3,822
55 to 59 years	9,082	6,113	67.3	5,897	216	3.5	2,969	1,523	13	316	1,117
60 to 64 years	9,261	4,236	45.7	4,083	154	3.6	5,025	1,994	11	314	2,705
65 years and over	27,171	3,196	11.8	3,113	83	2.6	23,975	7,687	24	902	15,362
65 to 69 years	8,929	1,872	21.0	1,812	60	3.2	7,057	2,409	6	193	4,449
70 to 74 years	7,370	863	11.7	848	15	1.7	6,507	2,099	2	180	4,226
75 years and over	10,872	461	4.2	453	7	1.6	10,411	3,179	16	529	6,686
Men											
16 years and over	77,876	59,175	76.0	55,787	3,388	5.7	18,701	412	3,447	1,614	13,228
16 to 19 years	5,367	2,912	54.3	2,427	484	16.6	2,455	18	2,249	10	178
16 to 17 years	2,694	1,161	43.1	946	215	18.5	1,533	6	1,470	2	54
18 to 19 years	2,673	1,751	65.5	1,481	269	15.4	922	12	779	7	124
20 to 24 years	7,195	6,037	83.9	5,450	588	9.7	1,158	22	825	43	268
25 to 54 years	45,176	42,492	94.1	40,452	2,039	4.8	2,684	185	356	811	1,332
25 to 34 years	17,586	16,741	95.2	15,827	914	5.5	845	59	273	169	344
25 to 29 years	8,287	7,826	94.4	7,336	490	6.3	462	25	199	62	176
30 to 34 years	9,299	8,915	95.9	8,492	424	4.8	383	35	74	107	168
35 to 44 years	16,478	15,614	94.8	14,905	709	4.5	864	79	69	285	432
35 to 39 years	8,651	8,217	95.0	7,834	383	4.7	434	36	42	120	236
40 to 44 years	7,827	7,397	94.5	7,071	326	4.4	430	42	27	165	196
45 to 54 years	11,112	10,137	91.2	9,720	417	4.1	975	47	14	357	556
45 to 49 years	6,134	5,728	93.4	5,499	228	4.0	406	17	10	170	210
50 to 54 years	4,978	4,409	88.6	4,221	188	4.3	568	30	5	187	346
55 to 64 years	8,755	5,922	67.6	5,693	229	3.9	2,833	72	14	381	2,366
55 to 59 years	4,372	3,466	79.3	3,351	115	3.3	906	30	9	192	676
60 to 64 years	4,383	2,456	56.0	2,342	114	4.6	1,927	42	6	190	1,690
65 years and over	11,383	1,812	15.9	1,765	47	2.6	9,571	115	2	369	9,085
65 to 69 years	4,078	1,018	25.0	978	40	4.0	3,059	27	2	115	2,916
70 to 74 years	3,245	517	15.9	512	5	.9	2,728	27	-	83	2,618
75 years and over	4,060	276	6.8	274	2	.7	3,784	61	-	172	3,550
Women											
16 years and over	83,970	48,481	57.7	45,874	2,607	5.4	35,489	21,641	3,376	1,248	9,224
16 to 19 years	5,245	2,748	52.4	2,320	428	15.6	2,497	320	2,055	4	117
16 to 17 years	2,563	1,135	44.3	934	201	17.7	1,428	76	1,305	-	48
18 to 19 years	2,682	1,613	60.2	1,386	227	14.1	1,069	245	750	4	70
20 to 24 years	7,445	5,415	72.7	4,991	425	7.8	2,029	1,091	732	25	181
25 to 54 years	45,904	34,506	75.2	32,929	1,578	4.6	11,398	9,212	557	437	1,192
25 to 34 years	17,690	13,181	74.5	12,427	754	5.7	4,509	3,725	333	68	384
25 to 29 years	8,399	6,228	74.1	5,879	349	5.6	2,171	1,767	202	27	175
30 to 34 years	9,291	6,953	74.8	6,548	405	5.8	2,338	1,958	131	40	209
35 to 44 years	16,679	12,894	77.3	12,419	475	3.7	3,784	3,051	160	177	397
35 to 39 years	8,694	6,624	76.2	6,364	260	3.9	2,070	1,664	100	90	216
40 to 44 years	7,984	6,271	78.5	6,056	215	3.4	1,714	1,387	60	86	181
45 to 54 years	11,536	8,431	73.1	8,082	348	4.1	3,105	2,437	64	193	412
45 to 49 years	6,331	4,809	76.0	4,594	215	4.5	1,522	1,207	38	86	191
50 to 54 years	5,205	3,622	69.6	3,489	133	3.7	1,583	1,229	26	107	221
55 to 64 years	9,588	4,428	46.2	4,287	141	3.2	5,161	3,446	10	249	1,456
55 to 59 years	4,710	2,648	56.2	2,546	101	3.8	2,062	1,493	4	124	441
60 to 64 years	4,878	1,780	36.5	1,740	40	2.2	3,098	1,953	6	125	1,015
65 years and over	15,788	1,384	8.8	1,349	36	2.6	14,404	7,572	22	533	6,277
65 to 69 years	4,851	854	17.6	834	20	2.3	3,997	2,382	4	79	1,533
70 to 74 years	4,125	346	8.4	336	10	2.9	3,779	2,073	2	97	1,608
75 years and over	6,812	185	2.7	179	6	3.0	6,627	3,118	16	357	3,136

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

(Numbers in thousands)

Age, sex, and race	October 1991										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	21,714	13,560	62.5	11,868	1,692	12.5	8,153	2,802	1,618	860	2,873
16 to 19 years	2,086	684	32.8	417	267	39.0	1,402	120	1,137	8	137
16 to 17 years	1,045	212	20.2	106	105	49.8	834	18	760	8	48
18 to 19 years	1,041	472	45.4	311	162	34.2	568	102	377	-	89
20 to 24 years	2,464	1,670	67.8	1,284	386	23.1	794	286	297	16	196
25 to 54 years	12,441	9,902	79.6	8,920	982	9.9	2,539	1,339	173	372	654
25 to 34 years	5,353	4,226	78.9	3,684	542	12.8	1,128	637	109	102	279
25 to 29 years	2,632	2,067	78.5	1,752	315	15.2	566	329	66	41	129
30 to 34 years	2,721	2,159	79.3	1,932	227	10.5	562	308	43	61	150
35 to 44 years	4,339	3,581	82.5	3,284	297	8.3	758	392	49	125	192
35 to 39 years	2,380	1,968	82.7	1,789	180	9.1	411	201	38	65	108
40 to 44 years	1,959	1,613	82.3	1,496	117	7.3	346	191	11	60	84
45 to 54 years	2,749	2,096	76.2	1,952	144	6.9	654	311	15	145	183
45 to 49 years	1,500	1,220	81.3	1,145	75	6.1	281	122	13	56	89
50 to 54 years	1,249	876	70.1	807	69	7.8	373	189	1	89	94
55 to 64 years	2,142	1,064	49.7	1,018	45	4.3	1,078	410	9	192	468
55 to 59 years	1,107	635	57.4	611	24	3.7	472	194	3	85	189
60 to 64 years	1,035	429	41.4	407	21	5.0	606	216	5	107	278
65 years and over	2,581	241	9.3	228	13	5.3	2,340	647	3	272	1,418
65 to 69 years	886	152	17.1	147	5	3.2	734	206	-	63	465
70 to 74 years	665	48	7.1	45	3	(¹)	618	159	-	57	401
75 years and over	1,030	42	4.1	37	5	(¹)	988	282	2	152	551
Men											
16 years and over	9,766	6,732	68.9	5,950	782	11.6	3,034	167	770	455	1,641
16 to 19 years	1,034	354	34.3	230	124	35.0	679	7	595	3	75
16 to 17 years	530	110	20.8	54	57	51.2	420	-	389	3	27
18 to 19 years	504	244	48.4	177	67	27.6	260	7	206	-	47
20 to 24 years	1,131	867	76.7	689	178	20.5	263	13	132	13	106
25 to 54 years	5,598	4,840	86.5	4,394	446	9.2	758	98	44	246	370
25 to 34 years	2,428	2,139	88.1	1,918	221	10.3	289	46	26	75	142
25 to 29 years	1,194	1,069	89.5	944	125	11.7	125	21	21	33	50
30 to 34 years	1,234	1,070	86.7	974	96	9.0	164	25	5	42	92
35 to 44 years	1,943	1,696	87.3	1,529	166	9.8	247	30	13	80	124
35 to 39 years	1,067	925	86.6	822	103	11.2	142	17	7	45	74
40 to 44 years	876	771	88.0	707	63	8.2	105	13	6	35	50
45 to 54 years	1,227	1,005	81.9	946	59	5.8	222	22	4	91	104
45 to 49 years	692	595	86.0	567	28	4.7	97	11	3	39	44
50 to 54 years	534	410	76.7	379	31	7.4	125	11	1	52	60
55 to 64 years	957	552	57.7	527	26	4.7	405	23	-	96	286
55 to 59 years	493	335	68.0	318	17	5.1	158	9	-	46	102
60 to 64 years	464	217	46.8	208	9	4.1	247	13	-	50	184
65 years and over	1,046	118	11.3	110	8	7.2	928	26	-	97	805
65 to 69 years	377	62	16.4	59	3	(¹)	315	9	-	33	274
70 to 74 years	291	34	11.8	32	2	(¹)	257	3	-	24	230
75 years and over	378	22	5.8	19	3	(¹)	356	15	-	40	301
Women											
16 years and over	11,948	6,828	57.2	5,918	911	13.3	5,119	2,634	848	405	1,232
16 to 19 years	1,052	329	31.3	186	143	43.4	723	113	543	5	63
16 to 17 years	515	101	19.6	52	49	48.2	414	17	371	5	21
18 to 19 years	537	228	42.5	134	94	41.3	309	95	172	-	42
20 to 24 years	1,333	802	60.2	595	207	25.9	531	273	165	3	91
25 to 54 years	6,843	5,063	74.0	4,526	537	10.6	1,781	1,241	130	126	284
25 to 34 years	2,925	2,087	71.3	1,765	321	15.4	838	590	83	27	137
25 to 29 years	1,438	997	69.4	807	190	19.1	440	308	46	8	79
30 to 34 years	1,487	1,089	73.2	958	131	12.0	398	283	38	19	58
35 to 44 years	2,396	1,886	78.7	1,755	130	6.9	510	362	36	45	67
35 to 39 years	1,312	1,043	79.5	967	76	7.3	269	184	31	20	33
40 to 44 years	1,084	842	77.7	788	54	6.4	242	178	5	25	34
45 to 54 years	1,523	1,091	71.6	1,005	85	7.8	432	289	10	54	79
45 to 49 years	808	624	77.3	577	47	7.5	184	111	10	17	46
50 to 54 years	714	466	65.3	428	38	8.2	248	178	-	37	34
55 to 64 years	1,184	511	43.2	492	19	3.8	673	387	9	96	182
55 to 59 years	613	300	48.9	293	7	2.3	314	185	3	39	87
60 to 64 years	571	211	37.0	199	13	6.0	359	203	5	57	95
65 years and over	1,535	123	8.0	119	4	3.4	1,412	621	2	175	613
65 to 69 years	509	90	17.7	88	2	2.2	419	198	-	30	191
70 to 74 years	374	13	3.5	13	-	(¹)	361	156	-	34	171
75 years and over	652	20	3.0	18	2	(¹)	632	267	2	112	251

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	October 1991								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	
TOTAL									
16 years and over	28,443	17,912	63.0	15,894	227	15,667	2,018	11.3	10,531
16 to 19 years	2,651	884	33.3	565	7	558	319	36.1	1,767
16 to 17 years	1,342	285	21.2	152	3	149	133	46.6	1,057
18 to 19 years	1,309	599	45.7	412	4	408	166	31.1	710
20 to 24 years	3,270	2,192	67.0	1,734	14	1,720	458	20.9	1,078
25 to 54 years	16,545	13,085	79.1	11,920	152	11,768	1,166	8.9	3,459
25 to 34 years	6,978	5,465	78.3	4,827	57	4,770	639	11.7	1,513
25 to 29 years	3,396	2,634	77.5	2,264	20	2,245	369	14.0	762
30 to 34 years	3,582	2,831	79.0	2,562	37	2,525	269	9.5	751
35 to 44 years	5,804	4,746	81.8	4,391	53	4,339	354	7.5	1,059
35 to 39 years	3,174	2,594	81.7	2,383	24	2,360	210	8.1	580
40 to 44 years	2,630	2,152	81.8	2,008	29	1,979	144	6.7	479
45 to 54 years	3,762	2,875	76.4	2,702	42	2,659	173	6.0	887
45 to 49 years	2,063	1,675	81.2	1,579	25	1,555	96	5.7	388
50 to 54 years	1,699	1,199	70.6	1,122	17	1,105	77	6.4	500
55 to 64 years	2,805	1,441	51.4	1,382	31	1,351	59	4.1	1,364
55 to 59 years	1,476	873	59.2	842	13	830	31	3.6	602
60 to 64 years	1,329	568	42.7	540	19	521	27	4.8	761
65 years and over	3,172	309	9.8	293	23	270	16	5.3	2,863
65 to 69 years	1,103	199	18.0	190	17	174	8	4.2	904
70 to 74 years	837	62	7.5	60	4	55	3	(¹)	775
75 years and over	1,232	48	3.9	43	2	41	5	(¹)	1,184
Men									
16 years and over	12,954	9,080	70.1	8,134	192	7,941	946	10.4	3,874
16 to 19 years	1,312	449	34.2	294	7	287	155	34.6	862
16 to 17 years	678	141	20.8	69	3	66	72	51.3	537
18 to 19 years	633	308	48.7	225	4	221	83	27.0	325
20 to 24 years	1,535	1,135	74.0	928	9	919	207	18.2	399
25 to 54 years	7,567	6,586	87.0	6,045	125	5,920	541	8.2	981
25 to 34 years	3,227	2,833	87.8	2,555	42	2,512	278	9.8	394
25 to 29 years	1,583	1,406	88.8	1,246	17	1,228	160	11.4	177
30 to 34 years	1,644	1,427	86.8	1,309	25	1,284	118	8.3	217
35 to 44 years	2,629	2,331	88.7	2,144	46	2,098	187	8.0	298
35 to 39 years	1,447	1,272	87.9	1,157	22	1,135	115	9.1	175
40 to 44 years	1,182	1,058	89.5	987	23	964	71	6.8	124
45 to 54 years	1,710	1,422	83.2	1,346	37	1,309	77	5.4	288
45 to 49 years	953	829	86.9	789	19	769	40	4.8	124
50 to 54 years	757	594	78.4	557	17	540	37	6.2	164
55 to 64 years	1,249	753	60.3	719	30	689	34	4.5	496
55 to 59 years	663	469	70.8	448	13	435	21	4.5	193
60 to 64 years	587	284	48.4	271	17	254	13	4.5	303
65 years and over	1,292	156	12.1	148	22	126	9	5.5	1,136
65 to 69 years	473	87	18.4	84	16	68	3	3.6	386
70 to 74 years	361	43	11.9	41	4	36	2	(¹)	318
75 years and over	458	26	5.7	23	2	22	3	(¹)	432
Women									
16 years and over	15,489	8,832	57.0	7,760	35	7,726	1,072	12.1	6,657
16 to 19 years	1,340	435	32.5	271	-	271	164	37.7	905
16 to 17 years	664	144	21.7	84	-	84	61	42.0	520
18 to 19 years	676	291	43.0	187	-	187	103	35.6	385
20 to 24 years	1,736	1,057	60.9	806	5	801	251	23.7	679
25 to 54 years	8,978	6,499	72.4	5,875	27	5,848	624	9.6	2,478
25 to 34 years	3,751	2,632	70.2	2,272	14	2,257	361	13.7	1,119
25 to 29 years	1,813	1,228	67.7	1,019	2	1,016	209	17.1	585
30 to 34 years	1,938	1,404	72.5	1,253	12	1,241	151	10.8	533
35 to 44 years	3,175	2,415	76.0	2,247	7	2,240	167	6.9	761
35 to 39 years	1,727	1,321	76.5	1,226	2	1,225	95	7.2	406
40 to 44 years	1,448	1,093	75.5	1,021	6	1,015	72	6.6	355
45 to 54 years	2,052	1,452	70.8	1,356	6	1,350	96	6.6	599
45 to 49 years	1,110	847	76.3	791	6	785	56	6.6	263
50 to 54 years	941	605	64.3	565	-	565	40	6.7	336
55 to 64 years	1,556	688	44.2	663	2	661	25	3.6	868
55 to 59 years	813	404	49.7	394	-	394	10	2.6	409
60 to 64 years	742	284	38.2	269	2	267	14	5.1	459
65 years and over	1,880	153	8.1	145	1	144	8	5.1	1,727
65 to 69 years	630	112	17.7	106	1	106	5	4.7	518
70 to 74 years	476	19	4.1	19	-	19	-	(¹)	457
75 years and over	774	22	2.8	20	-	20	2	(¹)	752

¹ 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. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
TOTAL								
Civilian noninstitutional population	188,525	190,289	83,013	84,151	91,857	92,875	13,655	13,263
Civilian labor force	125,020	125,568	64,593	64,894	53,533	54,131	6,895	6,543
Percent of population	66.3	66.0	77.8	77.1	58.3	58.3	50.5	49.3
Employed	118,299	117,555	61,606	61,200	50,915	51,044	5,777	5,312
Agriculture	3,280	3,310	2,371	2,468	666	668	243	175
Nonagricultural industries	115,018	114,245	59,235	58,732	50,249	50,376	5,534	5,137
Unemployed	6,722	8,013	2,986	3,694	2,618	3,086	1,117	1,232
Unemployment rate	5.4	6.4	4.6	5.7	4.9	5.7	16.2	18.8
Not in labor force	63,505	64,721	18,420	19,258	38,324	38,744	6,760	6,719
White								
Civilian noninstitutional population	160,717	161,846	71,704	72,509	78,048	78,726	10,965	10,611
Civilian labor force	107,362	107,656	56,119	56,263	45,302	45,734	5,941	5,660
Percent of population	66.8	66.5	78.3	77.6	58.0	58.1	54.2	53.3
Employed	102,452	101,661	53,900	53,360	43,441	43,555	5,111	4,747
Agriculture	3,045	3,083	2,181	2,282	636	633	228	168
Nonagricultural industries	99,407	98,578	51,719	51,077	42,805	42,921	4,883	4,579
Unemployed	4,910	5,995	2,219	2,903	1,862	2,179	829	912
Unemployment rate	4.6	5.6	4.0	5.2	4.1	4.8	14.0	16.1
Not in labor force	53,355	54,190	15,585	16,246	32,746	32,992	5,024	4,952
Black								
Civilian noninstitutional population	21,383	21,714	8,551	8,732	10,703	10,896	2,130	2,086
Civilian labor force	13,497	13,560	6,339	6,377	6,389	6,499	768	684
Percent of population	63.1	62.5	74.1	73.0	59.7	59.6	36.1	32.8
Employed	11,957	11,868	5,670	5,720	5,762	5,732	526	417
Agriculture	146	157	122	138	15	13	9	6
Nonagricultural industries	11,812	11,711	5,548	5,582	5,747	5,718	517	411
Unemployed	1,539	1,692	668	658	628	768	243	267
Unemployment rate	11.4	12.5	10.5	10.3	9.8	11.8	31.6	39.0
Not in labor force	7,887	8,153	2,212	2,355	4,313	4,396	1,361	1,402

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	October 1991									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL ENROLLED										
Total, 16 to 24 years	15,449	7,583	49.1	6,587	1,244	5,343	996	144	852	13.1
16 to 19 years	10,094	4,278	42.4	3,564	287	3,297	714	63	651	16.7
20 to 24 years	5,356	3,305	61.7	3,023	977	2,046	282	82	200	8.5
High school	7,223	2,791	38.6	2,233	120	2,113	557	56	501	20.0
College	8,226	4,792	58.3	4,354	1,124	3,230	439	88	351	9.2
Full-time students	6,982	3,657	52.4	3,287	451	2,836	370	53	317	10.1
Part-time students	1,244	1,135	91.3	1,067	673	394	69	35	34	6.1
Men, 16 to 24 years	7,808	3,694	47.3	3,187	633	2,554	507	86	420	13.7
16 to 19 years	5,123	2,085	40.7	1,719	137	1,582	366	38	329	17.6
20 to 24 years	2,685	1,609	59.9	1,468	495	973	140	49	92	8.7
High school	3,837	1,459	38.0	1,157	67	1,090	302	36	266	20.7
College	3,971	2,235	56.3	2,030	566	1,465	204	50	154	9.1
Full-time students	3,399	1,708	50.3	1,541	258	1,282	168	27	140	9.8
Part-time students	572	527	92.0	490	308	182	37	23	14	7.0
Women, 16 to 24 years	7,641	3,890	50.9	3,400	612	2,789	490	58	432	12.6
16 to 19 years	4,970	2,193	44.1	1,845	130	1,716	348	25	323	15.9
20 to 24 years	2,670	1,697	63.5	1,555	482	1,073	142	33	109	8.4
High school	3,386	1,332	39.3	1,077	54	1,023	255	20	235	19.2
College	4,255	2,558	60.1	2,323	558	1,765	234	38	196	9.2
Full-time students	3,583	1,949	54.4	1,746	193	1,554	203	26	177	10.4
Part-time students	672	609	90.6	577	365	212	32	12	20	5.2
White										
Total, 16 to 24 years	12,470	6,588	52.8	5,829	1,111	4,718	759	97	662	11.5
16 to 19 years	8,076	3,761	46.6	3,215	250	2,965	546	42	503	14.5
20 to 24 years	4,394	2,827	64.3	2,614	861	1,753	214	55	159	7.6
Men	6,280	3,202	51.0	2,810	566	2,243	392	63	329	12.3
Women	6,191	3,386	54.7	3,019	545	2,474	367	34	333	10.8
High school	5,605	2,412	43.0	1,997	108	1,889	415	36	380	17.2
College	6,866	4,176	60.8	3,832	1,004	2,829	344	62	283	8.2
Full-time students	5,794	3,183	54.9	2,893	396	2,498	290	36	254	9.1
Part-time students	1,072	993	92.7	939	608	331	54	26	28	5.5
Black										
Total, 16 to 24 years	2,105	652	30.9	469	83	386	183	42	141	28.0
16 to 19 years	1,529	370	24.2	240	13	228	130	17	113	35.1
20 to 24 years	576	282	48.9	229	71	158	53	25	28	18.7
Men	1,062	316	29.8	233	38	195	83	21	63	26.4
Women	1,043	335	32.2	236	45	191	99	21	78	29.6
High school	1,267	278	21.9	167	11	156	110	17	93	39.8
College	838	374	44.6	302	72	229	72	25	47	19.3
Full-time students	729	286	39.2	228	31	197	58	15	44	20.4
Part-time students	109	88	80.6	74	41	33	14	10	4	15.7
Hispanic origin										
Total, 16 to 24 years	1,272	560	44.0	448	88	360	112	17	95	20.0
16 to 19 years	924	329	35.6	234	21	213	95	14	82	29.0
20 to 24 years	349	231	66.3	214	67	148	17	4	13	7.3
Men	601	265	44.1	207	41	166	58	12	46	21.9
Women	671	295	44.0	241	46	195	54	5	49	18.4
High school	755	219	29.0	136	13	124	83	17	66	37.9
College	517	341	66.0	312	75	237	29	-	29	8.6
Full-time students	392	233	59.5	211	24	187	22	-	22	9.6
Part-time students	124	108	86.6	101	51	50	7	-	7	6.3

See footnotes at end of table.

A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	October 1991									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
Total	Full time ¹			Part time ¹	Total	Looking for full-time work	Looking for part-time work			
TOTAL NOT ENROLLED										
Total, 16 to 24 years	15,723	12,605	80.2	10,899	9,061	1,838	1,706	1,524	182	13.5
16 to 19 years	3,169	2,265	71.5	1,748	1,190	558	518	452	65	22.9
20 to 24 years	12,554	10,339	82.4	9,151	7,872	1,280	1,188	1,071	117	11.5
Less than 4 years of high school	3,938	2,486	63.1	1,881	1,518	363	605	552	52	24.3
4 years of high school	7,776	6,418	82.5	5,626	4,557	1,069	792	704	88	12.3
1 to 3 years of college	2,581	2,359	91.4	2,167	1,866	301	192	158	33	8.1
4 years of college or more	1,428	1,342	94.0	1,225	1,121	104	118	109	8	8.8
Men, 16 to 24 years	7,600	6,840	90.0	5,912	5,151	761	928	873	55	13.6
16 to 19 years	1,555	1,276	82.0	1,002	734	268	273	259	14	21.4
20 to 24 years	6,044	5,564	92.1	4,910	4,417	492	654	614	40	11.8
Less than 4 years of high school	2,021	1,649	81.6	1,290	1,104	186	360	349	10	21.8
4 years of high school	3,855	3,540	91.8	3,109	2,669	440	431	408	23	12.2
1 to 3 years of college	1,153	1,096	95.0	1,016	915	101	80	63	18	7.3
4 years of college or more	570	554	97.1	497	463	34	56	53	4	10.2
Women, 16 to 24 years	8,124	5,765	71.0	4,987	3,910	1,077	778	651	127	13.5
16 to 19 years	1,614	990	61.3	745	456	290	244	193	51	24.7
20 to 24 years	6,510	4,775	73.4	4,242	3,454	787	534	457	76	11.2
Less than 4 years of high school	1,918	836	43.6	591	414	177	245	203	42	29.3
4 years of high school	3,921	2,877	73.4	2,517	1,888	629	361	296	65	12.5
1 to 3 years of college	1,428	1,262	88.4	1,151	951	200	111	95	16	8.8
4 years of college or more	858	789	91.9	728	657	70	61	56	5	7.8
White										
Total, 16 to 24 years	12,781	10,524	82.3	9,358	7,840	1,518	1,166	1,049	117	11.1
16 to 19 years	2,535	1,898	74.9	1,532	1,046	486	367	325	42	19.3
20 to 24 years	10,246	8,626	84.2	7,827	6,794	1,032	799	724	75	9.3
Men	6,282	5,747	91.5	5,067	4,475	592	680	638	41	11.8
Women	6,499	4,777	73.5	4,291	3,365	926	486	410	76	10.2
Less than 4 years of high school	3,199	2,101	65.7	1,658	1,353	305	443	404	40	21.1
4 years of high school	6,137	5,220	85.1	4,716	3,860	856	504	457	47	9.7
1 to 3 years of college	2,173	2,000	92.0	1,878	1,616	262	121	99	22	6.1
4 years of college or more	1,272	1,203	94.6	1,106	1,011	95	97	89	8	8.1
Black										
Total, 16 to 24 years	2,444	1,702	69.6	1,232	949	283	470	412	57	27.6
16 to 19 years	556	314	56.4	177	116	60	137	115	22	43.7
20 to 24 years	1,888	1,388	73.5	1,055	832	223	333	297	36	24.0
Men	1,102	906	82.2	687	530	157	219	206	13	24.1
Women	1,342	796	59.3	545	418	127	251	207	45	31.6
Less than 4 years of high school	642	321	50.1	176	121	54	146	135	11	45.4
4 years of high school	1,403	1,024	73.0	758	569	189	266	229	37	26.0
1 to 3 years of college	313	278	88.7	230	198	32	48	38	10	17.1
4 years of college or more	86	78	91.0	68	60	8	10	10	-	12.9
Hispanic origin										
Total, 16 to 24 years	2,255	1,662	73.7	1,427	1,204	223	235	217	18	14.1
16 to 19 years	544	370	68.0	297	228	69	73	63	10	19.7
20 to 24 years	1,711	1,292	75.5	1,130	976	154	162	154	8	12.5
Men	1,238	1,112	89.8	966	835	131	146	144	2	13.2
Women	1,016	549	54.1	461	369	92	89	73	15	16.1
Less than 4 years of high school	1,266	850	67.1	708	609	98	142	138	5	16.8
4 years of high school	777	631	81.2	562	453	109	69	60	9	10.9
1 to 3 years of college	175	147	84.3	127	113	15	20	17	4	13.7
4 years of college or more	36	33	(²)	30	29	1	3	3	-	(²)

¹ 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.

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-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. 1990	Oct. 1991	Total		Employed		Unemployed			
			Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Number		Percent of labor force	
							Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
VIETNAM-ERA VETERANS										
Total, 35 years and over	7,680	7,810	6,980	7,076	6,718	6,745	262	331	3.8	4.7
35 to 49 years	6,501	6,424	6,156	6,060	5,924	5,761	232	298	3.8	4.9
35 to 39 years	1,339	1,090	1,253	1,019	1,172	956	81	62	6.5	6.1
40 to 44 years	3,245	2,993	3,085	2,836	3,001	2,673	84	163	2.7	5.8
45 to 49 years	1,917	2,341	1,818	2,205	1,752	2,132	66	73	3.7	3.3
50 years and over	1,179	1,386	824	1,016	794	984	30	32	3.7	3.2
NONVETERANS										
Total, 35 to 49 years	17,725	18,702	16,652	17,440	16,052	16,643	600	797	3.6	4.6
35 to 39 years	8,133	8,545	7,764	8,031	7,460	7,642	303	388	3.9	4.8
40 to 44 years	5,400	5,897	5,018	5,505	4,836	5,271	182	234	3.6	4.3
45 to 49 years	4,192	4,261	3,870	3,904	3,755	3,730	115	174	3.0	4.5

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

are limited to those 35 to 49 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

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

(In thousands)

Sex, age, and race	October 1991							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	96,770	94,643	2,127	20,785	17,022	3,764	6,410	1,603
16 to 19 years	1,456	1,383	74	3,855	3,533	322	515	717
16 to 17 years	133	125	8	1,899	1,859	40	96	453
18 to 19 years	1,323	1,258	66	1,956	1,674	282	419	264
20 years and over	95,313	93,260	2,053	16,930	13,489	3,441	5,895	886
20 to 24 years	8,849	8,590	259	3,325	2,659	666	1,153	317
25 years and over	86,464	84,670	1,795	13,605	10,829	2,775	4,742	569
25 to 54 years	75,536	73,962	1,574	9,764	7,391	2,373	4,332	451
55 years and over	10,928	10,707	221	3,840	3,438	402	410	118
Men, 16 years and over	57,082	55,746	1,336	6,839	5,273	1,565	3,727	607
16 to 19 years	871	818	54	1,850	1,684	166	297	343
20 years and over	56,211	54,928	1,283	4,989	3,589	1,400	3,430	264
20 to 24 years	4,913	4,736	177	1,465	1,161	305	663	132
25 years and over	51,298	50,192	1,106	3,524	2,429	1,095	2,767	133
25 to 54 years	44,493	43,522	971	2,004	1,069	935	2,501	80
55 years and over	6,805	6,670	135	1,520	1,360	160	266	53
Women, 16 years and over	39,688	38,897	791	13,947	11,748	2,198	2,683	995
16 to 19 years	585	565	20	2,005	1,849	156	218	374
20 years and over	39,103	38,332	771	11,941	9,899	2,042	2,465	621
20 to 24 years	3,936	3,854	82	1,860	1,499	361	490	185
25 years and over	35,166	34,478	689	10,081	8,401	1,680	1,975	436
25 to 54 years	31,043	30,440	603	7,761	6,322	1,439	1,831	371
55 years and over	4,124	4,037	86	2,320	2,079	242	144	65
White								
Men, 16 years and over	49,967	48,844	1,123	5,820	4,620	1,200	2,916	472
16 to 19 years	778	736	42	1,650	1,512	137	225	260
20 years and over	49,189	48,108	1,081	4,171	3,108	1,063	2,691	212
20 to 24 years	4,264	4,109	155	1,186	981	204	477	111
25 years and over	44,925	43,999	926	2,985	2,127	858	2,215	101
25 to 54 years	38,847	38,040	807	1,605	879	727	1,983	56
55 years and over	6,078	5,959	119	1,379	1,248	131	232	45
Women, 16 years and over	33,431	32,828	603	12,444	10,619	1,825	1,846	761
16 to 19 years	519	504	15	1,801	1,661	140	143	286
20 years and over	32,912	32,324	588	10,643	8,958	1,685	1,703	476
20 to 24 years	3,391	3,329	62	1,599	1,303	296	302	123
25 years and over	29,521	28,995	526	9,043	7,655	1,388	1,401	353
25 to 54 years	25,956	25,488	468	6,972	5,770	1,202	1,275	302
55 years and over	3,565	3,507	58	2,071	1,885	186	126	51
Black								
Men, 16 years and over	5,198	5,026	172	752	437	315	681	101
16 to 19 years	80	68	12	150	125	26	64	60
20 years and over	5,118	4,958	160	602	313	289	617	41
20 to 24 years	488	470	18	201	104	97	163	15
25 years and over	4,629	4,488	142	401	208	193	454	25
25 to 54 years	4,103	3,974	129	291	120	171	427	19
55 years and over	527	514	13	110	89	21	28	7
Women, 16 years and over	4,846	4,687	159	1,072	748	324	723	187
16 to 19 years	49	43	5	138	126	12	68	75
20 years and over	4,797	4,643	153	935	622	312	655	113
20 to 24 years	415	398	17	180	120	60	160	48
25 years and over	4,382	4,246	136	755	502	253	495	65
25 to 54 years	3,967	3,859	108	559	351	209	481	56
55 years and over	415	387	29	195	152	44	15	9

¹ 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 1991									
	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 ¹	100,009	66.4	93,642	6,367	6.4	50,548	20,930	8,203	2,584	18,831
Husbands	39,997	77.5	38,599	1,398	3.5	11,642	213	188	1,015	10,225
With employed wife	26,777	91.2	25,912	865	3.2	2,579	95	111	420	1,952
With unemployed wife	1,179	92.0	1,027	152	12.9	103	1	6	20	75
With wife not in labor force	12,041	57.3	11,660	381	3.2	8,960	117	71	574	8,198
Wives	30,637	59.3	29,355	1,281	4.2	21,002	15,912	382	439	4,268
With employed husband	26,938	69.8	25,912	1,027	3.8	11,660	10,019	319	179	1,143
With unemployed husband	1,017	72.8	865	152	15.0	381	315	19	14	32
With husband not in labor force	2,681	23.0	2,579	103	3.8	8,960	5,578	44	246	3,093
Relatives in married-couple families	12,392	61.6	10,884	1,507	12.2	7,709	688	5,378	350	1,292
16 to 19 years	4,154	48.7	3,509	644	15.5	4,376	127	4,029	10	210
20 to 24 years	4,529	74.3	4,033	496	10.9	1,562	122	1,193	26	222
25 years and over	3,709	67.7	3,342	367	9.9	1,771	439	156	314	860
Women who maintain families	7,177	61.7	6,488	690	9.6	4,459	2,906	264	272	1,018
Relatives in families maintained by women	5,728	58.8	4,685	1,042	18.2	4,011	807	1,672	342	1,191
16 to 19 years	1,284	44.7	930	354	27.6	1,588	106	1,297	11	173
20 to 24 years	1,605	71.2	1,298	307	19.1	649	165	280	26	178
25 years and over	2,838	61.5	2,457	381	13.4	1,774	536	95	305	840
Men who maintain families	2,307	76.4	2,092	215	9.3	713	49	45	85	534
Relatives in families maintained by men	1,772	63.6	1,538	233	13.2	1,013	355	274	81	302
16 to 19 years	268	56.1	207	61	22.9	209	20	174	-	15
20 to 24 years	465	75.7	399	67	14.4	149	31	83	7	29
25 years and over	1,037	61.3	932	105	10.1	655	304	17	74	258

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

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

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
Total, 16 years and over	3,600	4,334	5.3	6.3	3,122	3,678	5.5	6.4
Married, spouse present	1,335	1,564	3.1	3.7	1,222	1,383	3.9	4.4
Widowed, divorced, or separated	451	606	6.1	8.2	691	796	6.1	6.8
Single (never married)	1,814	2,164	9.9	11.7	1,209	1,499	8.6	10.7
White, 16 years and over	2,687	3,388	4.5	5.7	2,223	2,607	4.6	5.4
Married, spouse present	1,077	1,310	2.8	3.5	1,013	1,151	3.6	4.1
Widowed, divorced, or separated	350	480	5.7	7.8	483	556	5.3	5.9
Single (never married)	1,259	1,598	8.3	10.5	727	900	6.6	8.2
Black, 16 years and over	790	782	11.7	11.6	749	911	11.1	13.3
Married, spouse present	207	188	6.5	5.9	134	181	5.6	7.5
Widowed, divorced, or separated	90	114	8.9	11.3	189	202	9.8	10.4
Single (never married)	493	480	19.4	19.1	426	528	17.5	21.4
Total, 25 years and over	2,348	2,900	4.1	5.0	2,023	2,411	4.3	5.1
Married, spouse present	1,237	1,457	3.0	3.6	1,020	1,204	3.5	4.0
Widowed, divorced, or separated	426	574	5.9	8.0	636	735	5.8	6.5
Single (never married)	684	868	7.4	9.1	367	472	5.5	7.1
White, 25 years and over	1,757	2,316	3.5	4.6	1,482	1,754	3.7	4.4
Married, spouse present	1,009	1,216	2.8	3.3	858	1,005	3.3	3.8
Widowed, divorced, or separated	331	458	5.5	7.7	442	511	5.0	5.6
Single (never married)	418	641	5.6	8.2	182	238	3.7	4.8
Black, 25 years and over	510	480	9.3	8.7	446	560	8.0	9.8
Married, spouse present	182	177	5.9	5.6	99	156	4.4	6.8
Widowed, divorced, or separated	85	107	8.6	10.9	177	186	9.4	9.9
Single (never married)	243	196	17.2	14.0	171	218	11.9	14.4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
Total, 16 years and over	6,722	8,013	5.4	6.4	5.3	6.3	5.5	6.4
Managerial and professional specialty	707	919	2.2	2.9	2.2	2.7	2.2	3.1
Executive, administrative, and managerial	386	516	2.5	3.3	2.4	2.8	2.8	4.1
Professional specialty	321	402	2.0	2.4	2.1	2.5	1.8	2.3
Technical, sales, and administrative support	1,634	1,928	4.3	5.1	3.6	4.3	4.6	5.5
Technicians and related support	104	129	2.7	3.2	3.0	4.1	2.3	2.3
Sales occupations	701	816	4.7	5.5	3.3	3.9	6.2	7.0
Administrative support, including clerical	829	984	4.3	5.1	4.5	5.2	4.2	5.1
Service occupations	1,103	1,314	6.5	7.6	6.6	8.3	6.5	7.2
Private household	32	57	4.0	6.7	(¹)	(¹)	3.9	6.1
Protective service	88	93	4.4	4.5	3.9	4.4	6.7	5.1
Service, except private household and protective	984	1,163	7.0	8.1	7.5	9.5	6.7	7.3
Precision production, craft, and repair	808	988	5.6	6.9	5.5	7.0	6.4	6.2
Mechanics and repairers	163	222	3.5	4.7	3.5	4.7	4.0	6.9
Construction trades	468	561	8.3	10.6	8.2	10.5	14.1	16.1
Other precision production, craft, and repair	177	205	4.3	4.8	3.8	4.7	6.0	5.3
Operators, fabricators, and laborers	1,574	1,690	8.0	8.8	7.5	8.3	9.5	10.5
Machine operators, assemblers, and inspectors	724	796	8.1	9.1	6.6	8.0	10.4	10.8
Transportation and material moving occupations	258	269	4.9	5.0	5.1	5.2	2.2	3.5
Handlers, equipment cleaners, helpers, and laborers	592	625	10.8	12.3	11.0	12.1	9.6	13.0
Construction laborers	167	140	18.3	16.3	17.8	16.3	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	426	485	9.3	11.4	9.4	11.0	8.8	13.0
Farming, forestry, and fishing	186	271	5.1	7.2	5.3	6.8	4.1	9.7
No previous work experience	688	852	-	-	-	-	-	-
16 to 19 years	420	543	-	-	-	-	-	-
20 to 24 years	130	156	-	-	-	-	-	-
25 years and over	138	152	-	-	-	-	-	-

¹ 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. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
Total, 16 years and over	6,722	8,013	5.4	6.4	5.3	6.3	5.5	6.4
Nonagricultural private wage and salary workers	5,179	6,066	5.6	6.6	5.6	6.6	5.5	6.5
Mining	26	49	3.6	6.6	3.3	7.5	5.3	2.0
Construction	659	780	10.6	13.3	10.5	13.3	11.3	12.6
Manufacturing	1,182	1,376	5.5	6.5	4.6	5.7	7.2	8.0
Durable goods	692	839	5.4	6.8	4.6	6.2	7.5	8.2
Lumber and wood products	48	46	6.4	6.5	5.6	5.9	11.6	10.4
Furniture and fixtures	32	72	4.3	9.9	4.7	9.1	3.2	11.9
Stone, clay, and glass products	18	47	2.9	7.3	2.2	7.4	5.5	7.1
Primary metal industries	42	67	5.0	7.8	4.9	8.3	6.3	4.9
Fabricated metal products	55	75	4.3	6.1	4.1	6.2	5.1	5.9
Machinery, except electrical	114	146	4.5	6.1	3.9	5.7	6.2	7.5
Electrical machinery, equipment, and supplies	149	127	6.8	6.2	5.2	4.5	9.2	8.2
Transportation equipment	129	164	5.0	6.6	4.3	5.9	7.8	9.4
Automobiles	75	95	6.4	8.0	4.5	7.0	13.3	11.3
Other transportation equipment	54	69	3.8	5.4	4.0	4.9	3.2	7.5
Professional and photographic equipment	40	36	5.3	4.4	3.6	4.2	7.7	4.6
Other durable goods industries	65	59	11.6	11.1	12.3	9.1	10.2	13.8
Nondurable goods	490	537	5.5	6.1	4.5	4.9	7.0	7.7
Food and kindred products	109	157	5.7	9.0	4.8	7.3	7.5	12.1
Textile mill products	45	36	5.9	4.9	5.1	4.1	6.7	5.6
Apparel and other textile products	112	105	9.6	9.3	9.3	9.8	9.7	9.2
Paper and allied products	28	20	3.6	2.6	2.5	2.1	7.3	4.1
Printing and publishing	74	100	4.0	5.6	4.2	3.2	3.8	8.5
Chemicals and allied products	47	51	3.5	3.5	2.8	3.6	5.1	3.5
Rubber and miscellaneous plastics products	51	46	6.8	5.8	5.3	5.5	9.3	6.4
Other nondurable goods industries	25	21	6.9	5.3	6.7	6.3	7.2	4.3
Transportation and public utilities	242	289	3.7	4.4	3.8	4.1	3.3	5.1
Transportation	182	207	4.6	5.3	4.8	5.2	4.1	5.7
Communications and other public utilities	60	82	2.3	3.0	2.2	2.1	2.5	4.5
Wholesale and retail trade	1,533	1,769	6.4	7.4	5.9	6.8	7.0	8.0
Wholesale trade	191	265	4.2	5.7	3.6	5.6	5.7	5.9
Retail trade	1,342	1,504	6.9	7.8	6.6	7.2	7.2	8.3
Finance, insurance, and real estate	235	292	3.2	4.1	3.4	3.7	3.1	4.3
Service industries	1,303	1,511	4.9	5.6	5.5	5.9	4.6	5.4
Professional services	496	540	3.3	3.5	3.3	3.5	3.2	3.5
Other service industries	807	972	7.1	8.4	7.1	7.8	7.1	9.0
Agricultural wage and salary workers	147	203	7.6	10.6	7.3	9.2	8.4	15.1
Government, self-employed, and unpaid family workers	707	892	2.4	2.9	2.3	3.0	2.6	2.9
No previous work experience	688	852	-	-	-	-	-	-

**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. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
NUMBER OF UNEMPLOYED												
Total unemployed	6,722	8,013	2,986	3,694	2,618	3,086	1,117	1,232	4,910	5,995	1,539	1,692
Job losers	3,109	4,070	1,894	2,505	991	1,324	224	241	2,287	3,119	719	821
On layoff	808	904	509	603	245	267	54	34	659	764	127	126
Other job losers	2,301	3,167	1,385	1,903	746	1,057	170	207	1,628	2,355	592	696
Job leavers	1,030	1,036	401	425	448	443	181	168	833	831	147	178
Reentrants	1,957	2,139	609	673	1,017	1,138	331	328	1,392	1,550	489	477
New entrants	625	767	82	91	162	181	382	495	398	494	183	216
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	46.3	50.8	63.4	67.8	37.9	42.9	20.0	19.5	46.6	52.0	46.7	48.5
On layoff	12.0	11.3	17.0	16.3	9.4	8.7	4.8	2.7	13.4	12.7	8.3	7.4
Other job losers	34.2	39.5	46.4	51.5	28.5	34.2	15.2	16.8	33.2	39.3	38.5	41.1
Job leavers	15.3	12.9	13.4	11.5	17.1	14.4	16.2	13.7	17.0	13.9	9.6	10.5
Reentrants	29.1	26.7	20.4	18.2	38.8	36.9	29.6	26.6	28.3	25.9	31.8	28.2
New entrants	9.3	9.6	2.7	2.5	6.2	5.9	34.2	40.2	8.1	8.2	11.9	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	2.5	3.2	2.9	3.9	1.9	2.4	3.2	3.7	2.1	2.9	5.3	6.1
Job leavers .....	.8	.8	.6	.7	.8	.8	2.6	2.6	.8	.8	1.1	1.3
Reentrants	1.6	1.7	.9	1.0	1.9	2.1	4.8	5.0	1.3	1.4	3.6	3.5
New entrants .....	.5	.6	.1	.1	.3	.3	5.5	7.6	.4	.5	1.4	1.6

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

(Percent distribution)

Reason, sex, and age	October 1991						
	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	8,013	100.0	39.6	32.1	28.2	15.1	13.2
Job losers	4,070	100.0	34.2	30.3	35.5	17.8	17.6
On layoff	904	100.0	52.2	27.4	20.4	12.9	7.5
Other job losers	3,167	100.0	29.1	31.2	39.8	19.3	20.5
Job leavers	1,036	100.0	39.5	40.7	19.8	10.1	9.7
Reentrants	2,139	100.0	47.7	30.9	21.3	12.5	8.8
New entrants	767	100.0	46.0	33.5	20.5	14.1	6.4
Men, 20 years and over	3,694	100.0	34.9	30.4	34.7	16.4	18.3
Job losers	2,505	100.0	34.0	29.1	37.0	16.7	20.2
On layoff	603	100.0	52.7	25.9	21.4	11.5	9.9
Other job losers	1,903	100.0	28.0	30.1	41.9	18.4	23.5
Job leavers	425	100.0	36.6	38.4	25.0	10.1	14.9
Reentrants	673	100.0	39.8	28.7	31.5	18.7	12.7
New entrants	91	100.0	16.8	42.4	40.8	19.3	21.4
Women, 20 years and over	3,086	100.0	41.1	33.0	26.0	14.8	11.2
Job losers	1,324	100.0	31.6	32.3	36.1	20.8	15.3
On layoff	267	100.0	48.0	32.1	19.9	16.8	3.1
Other job losers	1,057	100.0	27.5	32.4	40.1	21.8	18.4
Job leavers	443	100.0	41.9	40.3	17.9	11.4	6.5
Reentrants	1,138	100.0	50.2	31.2	18.6	10.1	8.5
New entrants	181	100.0	50.8	31.0	18.2	9.0	9.2
Both sexes, 16 to 19 years	1,232	100.0	50.2	35.2	14.6	11.7	2.8
Job losers	241	100.0	50.7	32.7	16.6	13.3	3.4
On layoff	34	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	207	100.0	46.6	35.1	18.3	14.4	3.9
Job leavers	168	100.0	40.6	47.6	11.8	6.8	5.0
Reentrants	328	100.0	55.6	34.5	9.8	8.2	1.7
New entrants	495	100.0	49.6	32.8	17.6	15.0	2.6

¹ 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. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
Total, 16 years and over	6,722	8,013	100.0	100.0	5,324	6,410	100.0	100.0
Less than 5 weeks	3,073	3,175	45.7	39.6	2,245	2,319	42.2	36.2
5 to 14 weeks	2,229	2,575	33.2	32.1	1,782	2,078	33.5	32.4
5 to 10 weeks	1,664	1,866	24.8	23.3	1,295	1,458	24.3	22.7
11 to 14 weeks	564	709	8.4	8.8	488	620	9.2	9.7
15 weeks and over	1,420	2,263	21.1	28.2	1,297	2,013	24.4	31.4
15 to 26 weeks	767	1,208	11.4	15.1	695	1,061	13.1	16.6
27 weeks and over	653	1,055	9.7	13.2	602	952	11.3	14.8
27 to 51 weeks	278	535	4.1	6.7	270	485	5.1	7.6
52 weeks and over	374	520	5.6	6.5	332	467	6.2	7.3
Average (mean) duration, in weeks	11.8	14.1	-	-	13.0	15.3	-	-
Median duration, in weeks	5.4	6.8	-	-	6.3	8.0	-	-

**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. 1990	Oct. 1991	Oct. 1990	Oct. 1991
	October 1991										
Total, 16 years and over	8,013	3,175	2,575	1,208	1,055	14.1	6.8	45.7	39.6	21.1	28.2
16 to 19 years	1,232	618	434	145	35	7.8	4.5	56.3	50.2	9.9	14.6
20 to 24 years	1,470	689	481	204	96	10.5	5.0	50.6	46.9	13.1	20.4
25 to 34 years	2,306	917	784	322	284	13.4	6.9	44.1	39.8	22.0	26.3
35 to 44 years	1,538	508	498	264	269	16.8	8.8	40.0	33.0	28.4	34.6
45 to 54 years	938	301	257	176	204	19.4	10.7	41.8	32.1	28.4	40.5
55 to 64 years	429	107	106	84	131	23.3	14.7	37.1	25.0	31.3	50.3
65 years and over	99	34	16	13	37	25.6	14.7	34.7	33.9	41.5	50.3
Men, 16 years and over	4,334	1,588	1,359	689	698	15.8	7.8	43.0	36.6	24.4	32.0
16 to 19 years	640	298	236	83	22	8.3	5.1	54.4	46.6	8.3	16.5
20 to 24 years	795	356	260	112	67	12.0	5.4	46.9	44.8	15.0	22.5
25 to 34 years	1,191	431	405	184	172	14.8	8.0	41.5	36.1	25.4	29.9
35 to 44 years	896	283	266	166	181	18.3	9.6	37.3	31.6	32.5	38.8
45 to 54 years	493	136	127	91	139	23.4	13.3	38.5	27.5	35.0	46.7
55 to 64 years	263	67	64	39	93	25.5	14.7	37.6	25.6	36.4	50.2
65 years and over	56	17	2	13	23	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,678	1,587	1,216	518	357	11.9	5.9	48.9	43.1	17.4	23.8
16 to 19 years	592	320	198	61	12	7.2	4.2	58.6	54.0	11.9	12.4
20 to 24 years	676	334	221	92	29	8.8	4.6	54.6	49.4	11.0	17.9
25 to 34 years	1,115	486	379	138	111	11.9	5.9	46.8	43.6	18.3	22.4
35 to 44 years	642	225	232	97	88	14.8	8.0	43.2	35.0	23.7	28.8
45 to 54 years	445	166	129	85	64	15.1	8.4	45.6	37.3	20.9	33.7
55 to 64 years	166	40	42	45	38	19.8	14.6	36.2	24.2	22.4	50.3
65 years and over	43	16	14	-	13	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,995	2,376	1,923	904	792	14.0	6.8	46.7	39.6	20.9	28.3
Men	3,388	1,240	1,066	537	544	15.7	7.8	44.5	36.6	24.3	31.9
Women	2,607	1,136	856	367	248	11.8	5.9	49.3	43.6	16.8	23.6
Black, 16 years and over	1,692	654	550	253	235	14.8	7.0	42.8	38.7	22.2	28.8
Men	782	280	243	125	135	17.3	8.1	38.6	35.8	25.2	33.2
Women	911	375	307	128	100	12.7	6.2	47.1	41.2	19.0	25.1
Men, 16 years and over:											
Married, spouse present	1,564	528	444	261	331	18.1	9.3	38.7	33.8	28.5	37.9
Widowed, divorced, or separated	606	188	172	116	129	19.7	10.2	41.5	31.0	30.6	40.4
Single (never married)	2,164	872	742	313	238	13.1	6.2	46.4	40.3	19.7	25.4
Women, 16 years and over:											
Married, spouse present	1,383	590	455	187	152	12.3	6.1	48.0	42.7	19.9	24.5
Widowed, divorced, or separated	796	280	277	136	104	14.2	8.0	45.9	35.2	16.8	30.0
Single (never married)	1,499	717	484	195	102	10.4	4.9	51.6	47.8	15.1	19.8

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

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
	October 1991										
OCCUPATION											
Managerial and professional specialty	919	262	323	167	166	17.6	9.1	38.2	28.5	29.3	36.2
Technical, sales, and administrative support	1,928	725	630	326	247	13.8	7.7	43.8	37.6	21.7	29.7
Service occupations	1,314	576	462	147	129	12.1	5.6	47.9	43.8	17.1	21.0
Precision production, craft, and repair	988	383	282	178	145	14.9	7.0	46.8	38.8	20.4	32.7
Operators, fabricators, and laborers	1,690	663	496	240	291	15.9	7.0	46.4	39.2	22.2	31.4
Farming, forestry, and fishing	271	150	86	18	17	9.5	4.1	55.4	55.4	17.2	12.9
INDUSTRY¹											
Agriculture	203	121	52	13	17	9.4	3.8	55.1	59.6	15.6	14.8
Construction	798	318	237	131	113	14.1	6.4	48.5	39.8	14.6	30.6
Manufacturing	1,387	498	412	223	255	17.0	8.8	42.1	35.9	25.2	34.4
Durable goods	847	283	247	152	165	17.9	9.4	39.7	33.4	27.7	37.4
Nondurable goods	540	216	165	70	89	15.8	7.7	45.6	40.0	21.6	29.6
Transportation and public utilities	327	131	100	34	61	15.6	7.0	43.2	40.1	26.3	29.1
Wholesale and retail trade	1,778	754	620	230	174	11.9	6.2	49.2	42.4	17.6	22.7
Finance and service industries	2,154	756	743	354	300	15.0	7.4	42.8	35.1	24.0	30.4
Public administration	207	78	48	54	27	14.9	8.9	47.1	37.7	24.1	39.1
No previous work experience	852	389	289	117	56	11.0	5.4	50.3	45.7	16.6	20.3

¹ 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 1991								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,013	6,997	22.1	8.7	72.6	40.6	19.8	6.4	1.70
16 to 19 years	1,232	1,174	10.5	2.4	76.0	26.1	14.4	4.7	1.34
20 to 24 years	1,470	1,323	20.1	8.7	71.2	40.1	18.1	5.9	1.64
25 to 34 years	2,306	1,991	25.3	9.4	74.4	43.9	22.0	6.2	1.81
35 to 44 years	1,538	1,280	28.4	11.0	70.8	44.6	20.4	7.0	1.82
45 to 54 years	938	783	25.9	12.4	70.4	44.5	24.9	8.3	1.86
55 to 64 years	429	360	20.3	10.0	68.4	48.2	19.3	8.4	1.75
65 years and over	99	86	15.9	8.7	66.2	41.6	17.6	10.1	1.60
Men, 16 years and over	4,334	3,655	24.5	9.1	73.2	38.1	22.7	8.4	1.76
16 to 19 years	640	610	12.0	4.0	74.3	25.1	16.6	6.1	1.38
20 to 24 years	795	697	21.0	9.0	76.6	31.5	20.1	7.6	1.66
25 to 34 years	1,191	977	27.4	10.2	74.8	43.4	27.7	7.4	1.91
35 to 44 years	896	706	32.5	12.1	72.9	41.9	22.0	8.8	1.90
45 to 54 years	493	402	30.5	9.6	66.8	43.8	29.0	12.9	1.93
55 to 64 years	263	214	21.5	9.3	64.8	50.8	16.4	10.9	1.74
65 years and over	56	49	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,678	3,342	19.4	8.3	71.9	43.3	16.7	4.3	1.64
16 to 19 years	592	563	8.8	.8	77.9	27.2	12.1	3.1	1.30
20 to 24 years	676	626	19.0	8.3	65.3	49.8	15.9	4.0	1.62
25 to 34 years	1,115	1,014	23.2	8.6	74.1	44.5	16.6	5.1	1.72
35 to 44 years	642	573	23.4	9.7	68.3	47.8	18.5	4.8	1.72
45 to 54 years	445	381	21.0	15.4	74.1	45.1	20.6	3.4	1.80
55 to 64 years	166	146	18.7	10.9	73.7	44.4	23.6	4.9	1.76
65 years and over	43	37	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,995	5,124	20.3	8.7	74.1	42.8	19.6	6.9	1.72
Men	3,388	2,794	23.2	9.0	74.6	39.4	21.4	9.2	1.77
Women	2,607	2,330	16.8	8.3	73.4	46.8	17.6	4.1	1.67
Black, 16 years and over	1,692	1,562	28.4	9.2	70.5	32.4	19.4	5.3	1.65
Men	782	705	31.3	9.6	71.5	31.5	26.4	5.5	1.76
Women	911	857	26.0	8.8	69.6	33.2	13.7	5.2	1.56

¹ 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 1991								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,013	6,997	22.1	8.7	72.6	40.6	19.8	6.4	1.70
Job losers ¹	4,070	3,125	27.7	10.6	72.8	43.4	24.6	5.9	1.85
Job leavers	1,036	1,007	19.4	10.0	74.4	43.6	16.9	5.5	1.70
Reentrants	2,139	2,103	17.6	6.6	70.6	40.5	15.6	8.3	1.59
New entrants	767	762	14.9	5.5	74.4	25.2	16.0	4.9	1.41
Men, 16 years and over	4,334	3,655	24.5	9.1	73.2	38.1	22.7	8.4	1.76
Job losers ¹	2,663	2,012	29.1	10.8	72.5	40.9	25.3	7.5	1.86
Job leavers	504	488	20.8	8.4	81.2	44.0	19.0	4.9	1.78
Reentrants	828	818	19.0	5.7	71.4	34.2	19.3	13.4	1.63
New entrants	339	337	16.2	8.8	70.1	22.4	20.8	6.9	1.45
Women, 16 years and over	3,678	3,342	19.4	8.3	71.9	43.3	16.7	4.3	1.64
Job losers ¹	1,407	1,112	25.3	10.2	73.5	48.0	23.5	2.9	1.84
Job leavers	532	519	18.1	11.5	68.0	43.4	14.9	6.1	1.62
Reentrants	1,311	1,285	16.7	7.2	70.1	44.5	13.2	5.1	1.57
New entrants	428	426	13.8	2.9	77.9	27.4	12.1	3.3	1.37

¹ 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. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
All industries	118,299	117,555	64,596	63,921	53,702	53,635
16 to 19 years	5,777	5,312	2,990	2,721	2,787	2,591
16 to 17 years	2,085	2,032	1,081	1,015	1,004	1,017
18 to 19 years	3,692	3,280	1,909	1,706	1,783	1,573
20 to 24 years	12,516	12,175	6,521	6,378	5,995	5,796
25 to 54 years	84,987	85,301	46,548	46,497	38,439	38,804
25 to 34 years	33,850	33,081	18,806	18,382	15,044	14,698
35 to 44 years	31,078	31,716	16,813	17,049	14,265	14,667
45 to 54 years	20,059	20,504	10,929	11,066	9,130	9,438
55 to 64 years	11,619	11,362	6,631	6,412	4,988	4,950
55 to 59 years	6,946	6,739	3,921	3,799	3,025	2,940
60 to 64 years	4,672	4,623	2,710	2,614	1,963	2,009
65 years and over	3,400	3,406	1,907	1,912	1,493	1,494
Agriculture	3,280	3,310	2,582	2,619	698	692
16 to 19 years	243	175	210	151	33	24
16 to 17 years	108	90	101	75	8	15
18 to 19 years	135	84	110	76	25	8
20 to 24 years	394	309	337	256	57	53
25 to 54 years	1,922	2,032	1,445	1,555	477	477
25 to 34 years	800	882	620	708	180	174
35 to 44 years	679	703	502	513	177	189
45 to 54 years	443	447	324	334	120	114
55 to 64 years	426	468	338	382	88	86
55 to 59 years	226	236	180	192	46	45
60 to 64 years	200	232	158	190	42	41
65 years and over	295	326	251	274	43	52
Nonagricultural industries	115,018	114,245	62,015	61,302	53,004	52,943
16 to 19 years	5,534	5,137	2,780	2,570	2,754	2,567
16 to 17 years	1,976	1,942	980	940	996	1,002
18 to 19 years	3,558	3,195	1,800	1,630	1,758	1,565
20 to 24 years	12,122	11,865	6,184	6,122	5,938	5,743
25 to 54 years	83,065	83,268	45,103	44,942	37,962	38,326
25 to 34 years	33,051	32,198	18,187	17,674	14,864	14,524
35 to 44 years	30,399	31,013	16,311	16,535	14,088	14,477
45 to 54 years	19,615	20,057	10,605	10,732	9,010	9,325
55 to 64 years	11,192	10,894	6,293	6,030	4,900	4,864
55 to 59 years	6,720	6,503	3,741	3,607	2,979	2,896
60 to 64 years	4,472	4,391	2,551	2,423	1,921	1,968
65 years and over	3,105	3,080	1,656	1,638	1,450	1,442

**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. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
Total	118,299	117,555	64,596	63,921	61,606	61,200	53,702	53,635	50,915	51,044
Managerial and professional specialty	30,879	31,268	16,714	16,720	16,636	16,636	14,165	14,548	14,051	14,443
Executive, administrative, and managerial	14,792	14,902	8,898	8,792	8,857	8,755	5,894	6,110	5,851	6,072
Officials and administrators, public administration	536	582	344	369	343	368	191	213	191	213
Other executive, administrative, and managerial	10,510	10,421	6,692	6,585	6,653	6,557	3,818	3,836	3,792	3,799
Management-related occupations	3,746	3,899	1,862	1,838	1,861	1,830	1,884	2,061	1,867	2,060
Professional specialty	16,087	16,365	7,816	7,928	7,779	7,881	8,271	8,438	8,201	8,371
Engineers	1,868	1,824	1,726	1,690	1,727	1,690	142	134	142	132
Mathematical and computer scientists	871	847	522	552	522	552	349	295	348	292
Natural scientists	387	457	284	335	283	334	103	122	102	121
Health diagnosing occupations	897	859	712	700	712	700	185	159	185	156
Health assessment and treating occupations	2,263	2,474	314	344	315	344	1,948	2,130	1,946	2,127
Teachers, college and university	836	874	500	495	492	491	336	378	321	369
Teachers, except college and university	4,186	4,136	1,077	1,090	1,072	1,081	3,109	3,046	3,079	3,018
Lawyers and judges	818	795	654	659	654	659	164	136	164	136
Other professional specialty occupations	3,963	4,100	2,026	2,062	2,003	2,030	1,936	2,038	1,913	2,021
Technical, sales, and administrative support	36,518	36,168	12,891	12,767	12,264	12,188	23,627	23,401	22,148	21,958
Technicians and related support	3,819	3,846	1,951	1,960	1,919	1,936	1,868	1,887	1,847	1,867
Health technologists and technicians	1,351	1,420	229	261	228	261	1,121	1,159	1,117	1,146
Engineering and science technicians	1,209	1,140	933	905	912	884	276	235	269	232
Technicians, except health, engineering, and science	1,260	1,285	788	793	779	791	471	492	461	489
Sales occupations	14,055	14,070	7,098	7,178	6,749	6,815	6,957	6,891	6,040	5,977
Supervisors and proprietors	3,797	3,726	2,436	2,446	2,420	2,424	1,361	1,279	1,330	1,258
Sales representatives, finance and business services	2,456	2,425	1,386	1,409	1,372	1,395	1,070	1,016	1,056	992
Sales representatives, commodities, except retail	1,641	1,609	1,273	1,270	1,267	1,261	367	338	362	336
Sales workers, retail and personal services	6,099	6,239	1,972	2,028	1,660	1,709	4,127	4,211	3,264	3,344
Sales-related occupations	62	72	30	25	31	25	32	47	29	47
Administrative support, including clerical	18,644	18,252	3,842	3,629	3,596	3,437	14,802	14,623	14,261	14,115
Supervisors	822	766	356	335	355	331	467	431	462	431
Computer equipment operators	801	715	294	238	279	235	507	478	488	457
Secretaries, stenographers, and typists	4,552	4,423	87	70	82	65	4,465	4,353	4,376	4,236
Financial records processing	2,362	2,301	189	192	182	183	2,174	2,109	2,120	2,078
Mail and message distributing	982	940	631	569	609	556	351	371	333	359
Other administrative support, including clerical	9,125	9,106	2,286	2,226	2,088	2,066	6,838	6,881	6,484	6,553
Service occupations	15,758	15,954	6,148	6,317	5,237	5,461	9,610	9,637	8,671	8,748
Private household	777	793	25	36	23	30	753	757	642	652
Protective service	1,926	1,996	1,621	1,690	1,587	1,656	305	307	288	293
Service, except private household and protective	13,055	13,165	4,502	4,591	3,627	3,774	8,553	8,574	7,742	7,802
Food service	5,413	5,503	2,216	2,258	1,538	1,629	3,197	3,245	2,661	2,710
Health service	2,152	2,209	201	269	189	255	1,951	1,939	1,864	1,875
Cleaning and building service	3,067	2,935	1,687	1,656	1,547	1,544	1,380	1,279	1,309	1,233
Personal service	2,423	2,518	398	408	353	346	2,025	2,110	1,907	1,985
Precision production, craft, and repair	13,625	13,244	12,524	12,100	12,279	11,881	1,101	1,144	1,071	1,133
Mechanics and repairers	4,478	4,459	4,330	4,307	4,260	4,230	149	152	145	152
Construction trades	5,182	4,719	5,099	4,649	4,961	4,551	83	70	80	70
Other precision production, craft, and repair	3,965	4,066	3,096	3,144	3,058	3,099	869	922	846	910
Operators, fabricators, and laborers	18,084	17,446	13,454	13,078	12,575	12,298	4,630	4,368	4,440	4,244
Machine operators, assemblers, and inspectors	8,158	7,913	4,925	4,785	4,776	4,668	3,234	3,128	3,147	3,071
Manufacturing industries	6,583	6,458	3,973	3,879	3,852	3,791	2,609	2,580	2,548	2,533
Durable goods	3,596	3,443	2,550	2,419	2,474	2,366	1,046	1,024	1,024	1,013
Nondurable goods	2,986	3,016	1,423	1,460	1,378	1,425	1,563	1,556	1,524	1,520
Nonmanufacturing industries	1,576	1,454	951	906	925	877	625	548	599	538
Transportation and material moving occupations	5,013	5,056	4,558	4,598	4,449	4,484	455	458	447	447
Motor vehicle operators	3,659	3,853	3,262	3,445	3,175	3,347	397	408	390	397
Other transportation and material moving occupations	1,354	1,203	1,296	1,153	1,274	1,137	57	50	57	50
Handlers, equipment cleaners, helpers, and laborers	4,913	4,477	3,971	3,695	3,349	3,146	942	782	846	727
Construction laborers	742	717	722	688	658	651	20	30	16	29
Other handlers, equipment cleaners, helpers, and laborers	4,171	3,760	3,249	3,007	2,691	2,494	922	753	830	698
Farming, forestry, and fishing	3,434	3,475	2,865	2,939	2,617	2,736	569	537	533	518
Farm operators and managers	1,223	1,293	988	1,077	970	1,064	235	216	228	216
Other farming, forestry, and fishing occupations	2,212	2,183	1,877	1,862	1,647	1,672	334	321	304	301

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

(Percent distribution)

Occupation and race	Total		Men		Women	
	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
TOTAL						
Total, 16 years and over (thousands)	118,299	117,555	64,596	63,921	53,702	53,635
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	26.1	26.6	25.9	26.2	26.4	27.1
Executive, administrative, and managerial	12.5	12.7	13.8	13.8	11.0	11.4
Professional specialty	13.6	13.9	12.1	12.4	15.4	15.7
Technical, sales, and administrative support	30.9	30.8	20.0	20.0	44.0	43.6
Technicians and related support	3.2	3.3	3.0	3.1	3.5	3.5
Sales occupations	11.9	12.0	11.0	11.2	13.0	12.8
Administrative support, including clerical	15.8	15.5	5.9	5.7	27.6	27.3
Service occupations	13.3	13.6	9.5	9.9	17.9	18.0
Private household .....	.7	.7	-	.1	1.4	1.4
Protective service	1.6	1.7	2.5	2.6	.6	.6
Service, except private household and protective	11.0	11.2	7.0	7.2	15.9	16.0
Precision production, craft, and repair	11.5	11.3	19.4	18.9	2.1	2.1
Operators, fabricators, and laborers	15.3	14.8	20.8	20.5	8.6	8.1
Machine operators, assemblers, and inspectors	6.9	6.7	7.6	7.5	6.0	5.8
Transportation and material moving occupations	4.2	4.3	7.1	7.2	.8	.9
Handlers, equipment cleaners, helpers, and laborers	4.2	3.8	6.1	5.8	1.8	1.5
Farming, forestry, and fishing	2.9	3.0	4.4	4.6	1.1	1.0
White						
Total, 16 years and over (thousands)	102,452	101,661	56,545	55,787	45,907	45,874
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	27.1	27.7	27.0	27.2	27.2	28.2
Executive, administrative, and managerial	13.1	13.3	14.5	14.4	11.4	12.0
Professional specialty	13.9	14.4	12.4	12.8	15.8	16.2
Technical, sales, and administrative support	31.3	31.0	20.1	20.0	45.2	44.4
Technicians and related support	3.2	3.2	3.1	3.1	3.4	3.4
Sales occupations	12.4	12.4	11.6	11.7	13.5	13.3
Administrative support, including clerical	15.7	15.4	5.4	5.3	28.3	27.7
Service occupations	12.1	12.5	8.5	9.0	16.6	16.7
Private household .....	.5	.6	-	.1	1.1	1.3
Protective service	1.5	1.6	2.4	2.5	.5	.4
Service, except private household and protective	10.1	10.3	6.1	6.4	15.0	15.0
Precision production, craft, and repair	12.0	11.7	20.1	19.5	2.0	2.1
Operators, fabricators, and laborers	14.4	14.0	19.7	19.4	7.8	7.4
Machine operators, assemblers, and inspectors	6.5	6.3	7.4	7.1	5.3	5.2
Transportation and material moving occupations	4.0	4.1	6.6	6.8	.8	.8
Handlers, equipment cleaners, helpers, and laborers	3.9	3.6	5.7	5.4	1.7	1.4
Farming, forestry, and fishing	3.1	3.2	4.6	4.8	1.2	1.1
Black						
Total, 16 years and over (thousands)	11,957	11,868	5,940	5,950	6,018	5,918
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	16.8	16.5	14.0	14.3	19.6	18.7
Executive, administrative, and managerial	7.5	7.5	7.5	7.7	7.6	7.3
Professional specialty	9.3	9.0	6.5	6.6	12.0	11.5
Technical, sales, and administrative support	27.7	28.6	17.9	17.7	37.4	39.6
Technicians and related support	2.9	3.0	1.9	2.0	3.8	3.9
Sales occupations	7.5	8.3	5.4	6.7	9.6	10.0
Administrative support, including clerical	17.3	17.3	10.5	9.0	24.0	25.7
Service occupations	22.5	22.1	17.6	17.5	27.4	26.8
Private household	1.7	1.2	-	-	3.3	2.5
Protective service	2.6	2.8	3.7	4.1	1.4	1.5
Service, except private household and protective	18.3	18.0	13.8	13.3	22.6	22.8
Precision production, craft, and repair	8.2	9.1	14.6	15.8	1.9	2.4
Operators, fabricators, and laborers	23.2	22.1	33.0	31.6	13.4	12.5
Machine operators, assemblers, and inspectors	10.1	9.9	10.3	10.5	9.9	9.3
Transportation and material moving occupations	6.5	6.4	12.1	11.7	1.0	1.1
Handlers, equipment cleaners, helpers, and laborers	6.6	5.7	10.6	9.4	2.5	2.0
Farming, forestry, and fishing	1.6	1.6	3.0	3.0	.3	.1

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	October 1991								
	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	104,849	1,020	18,401	85,428	9,169	227	1,717	1,479	115
16 to 19 years	5,088	150	271	4,668	43	6	129	21	24
16 to 17 years	1,918	87	63	1,768	19	5	62	7	21
18 to 19 years	3,170	63	208	2,899	24	1	67	14	4
20 to 24 years	11,555	132	1,146	10,277	292	18	243	58	8
25 to 34 years	30,168	153	4,233	25,782	1,987	43	586	276	21
35 to 44 years	28,178	206	6,122	21,850	2,789	46	356	334	13
45 to 54 years	17,867	145	4,114	13,608	2,125	65	189	242	16
55 to 64 years	9,519	140	2,120	7,258	1,344	31	142	316	10
55 to 59 years	5,725	69	1,288	4,368	764	14	77	154	5
60 to 64 years	3,794	71	832	2,891	580	17	65	162	5
65 years and over	2,473	94	394	1,985	589	18	72	232	23
Men, 16 years and over	55,372	144	8,474	46,753	5,895	36	1,339	1,244	36
16 to 19 years	2,545	38	103	2,404	22	4	113	22	16
16 to 17 years	932	22	18	892	6	3	55	7	12
18 to 19 years	1,613	16	85	1,512	16	1	58	14	4
20 to 24 years	5,945	21	490	5,434	172	5	199	50	7
25 to 34 years	16,422	40	2,014	14,368	1,243	9	453	250	5
35 to 44 years	14,748	17	2,784	11,947	1,783	5	255	258	-
45 to 54 years	9,348	13	1,840	7,496	1,381	3	134	199	-
55 to 64 years	5,111	10	1,043	4,058	915	4	116	264	1
55 to 59 years	3,099	9	612	2,478	506	2	61	130	-
60 to 64 years	2,012	1	431	1,580	408	3	55	134	1
65 years and over	1,252	7	200	1,045	380	6	68	201	6
Women, 16 years and over	49,477	876	9,926	38,675	3,275	191	378	235	79
16 to 19 years	2,543	112	168	2,264	21	2	16	-	8
16 to 17 years	986	65	45	877	13	2	7	-	8
18 to 19 years	1,557	47	123	1,387	8	-	9	-	-
20 to 24 years	5,610	111	656	4,843	120	13	44	8	1
25 to 34 years	13,746	113	2,219	11,414	744	34	132	27	15
35 to 44 years	13,430	189	3,338	9,902	1,007	41	101	76	12
45 to 54 years	8,519	133	2,274	6,112	744	62	54	43	16
55 to 64 years	4,408	130	1,078	3,200	430	26	26	51	9
55 to 59 years	2,626	61	676	1,890	258	12	16	24	4
60 to 64 years	1,782	70	402	1,311	172	14	10	27	4
65 years and over	1,221	87	194	940	209	13	4	31	17

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	October 1991												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machinists, operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	3,310	78	86	40	16	113	-	16	25	23	84	12	2,817
Mining	724	108	68	22	17	80	-	7	263	23	108	29	-
Construction	7,132	997	129	49	90	341	-	30	4,080	78	538	780	20
Manufacturing	20,447	2,423	1,747	701	720	2,349	-	306	3,875	6,458	738	1,027	104
Durable goods	11,963	1,429	1,135	494	266	1,305	-	169	2,749	3,443	388	493	93
Nondurable goods	8,484	994	611	208	454	1,044	-	137	1,126	3,016	349	534	11
Transportation and public utilities	8,170	1,029	456	278	320	2,179	-	251	1,183	147	1,853	457	18
Wholesale and retail trade	24,315	2,065	462	161	10,063	2,356	-	4,605	1,453	295	1,097	1,720	38
Wholesale trade	4,748	537	73	37	1,934	760	-	31	343	107	547	369	10
Retail trade	19,567	1,528	389	123	8,129	1,596	-	4,573	1,111	188	550	1,351	28
Finance, insurance, and real estate	7,654	2,025	186	159	1,894	2,877	-	257	135	24	23	17	57
Services	40,087	4,894	12,391	2,210	920	6,479	793	8,311	1,940	828	558	389	375
Private households	1,022	2	11	5	-	15	793	89	13	-	9	19	68
Other service industries	39,065	4,893	12,380	2,205	920	6,463	-	8,222	1,927	828	548	370	308
Professional services	26,329	2,724	11,024	1,772	158	4,826	-	4,752	425	220	272	70	86
Public administration	5,716	1,283	842	227	30	1,479	-	1,379	289	37	57	47	46

¹ 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. 1990	Oct. 1991	Total		Wage and salary workers ¹			
			Oct. 1990	Oct. 1991	Paid absences		Unpaid absences	
					Oct. 1990	Oct. 1991	Oct. 1990	Oct. 1991
Total, 16 years and over	4,600	4,432	4,475	4,366	2,318	2,181	1,626	1,654
Vacation	2,208	2,113	2,159	2,088	1,531	1,482	404	391
Illness	1,278	1,236	1,249	1,220	548	471	610	668
Bad weather	69	19	57	15	(²)	(²)	(²)	(²)
Industrial dispute	22	13	21	13	(²)	(²)	(²)	(²)
All other reasons	1,023	1,052	989	1,030	239	228	612	596
Men, 16 years and over	2,311	2,219	2,213	2,166	1,222	1,158	683	672
Vacation	1,192	1,149	1,157	1,128	866	833	177	164
Illness	633	611	606	598	263	235	286	304
All other reasons ³	485	459	450	439	94	89	221	204
Women, 16 years and over	2,289	2,213	2,262	2,201	1,096	1,023	942	982
Vacation	1,017	964	1,002	960	666	649	228	227
Illness	645	625	643	622	285	236	324	363
All other reasons ³	628	624	618	619	145	138	391	392

¹ Excludes private household workers.

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

³ 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 1991					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	113,124	3,245	109,878	100.0	100.0	100.0
1 to 34 hours	26,632	857	25,775	23.5	26.4	23.5
1 to 4 hours	775	40	735	.7	1.2	.7
5 to 14 hours	4,699	178	4,521	4.2	5.5	4.1
15 to 29 hours	13,498	417	13,081	11.9	12.9	11.9
30 to 34 hours	7,660	222	7,438	6.8	6.8	6.8
35 hours and over	86,491	2,388	84,104	76.5	73.6	76.5
35 to 39 hours	7,542	145	7,397	6.7	4.5	6.7
40 hours	44,682	704	43,978	39.5	21.7	40.0
41 hours and over	34,267	1,539	32,729	30.3	47.4	29.8
41 to 48 hours	11,803	226	11,577	10.4	7.0	10.5
49 to 59 hours	12,580	358	12,222	11.1	11.0	11.1
60 hours and over	9,885	954	8,930	8.7	29.4	8.1
Average hours, total at work	39.5	45.9	39.3	-	-	-
Average hours, workers on full-time schedules	44.1	53.9	43.8	-	-	-

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 1991					
	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	26,632	6,963	19,669	25,775	6,769	19,006
Economic reasons	5,891	2,127	3,764	5,639	2,029	3,610
Slack work	3,218	1,870	1,348	3,022	1,775	1,247
Material shortages or repairs to plant and equipment	41	41	-	38	38	-
New job started during week	155	155	-	153	153	-
Job terminated during week	61	61	-	62	62	-
Could find only part-time work	2,416	-	2,416	2,363	-	2,363
Other reasons	20,741	4,836	15,905	20,136	4,740	15,396
Does not want, or unavailable for, full-time work	13,186	-	13,186	12,798	-	12,798
Vacation	1,645	1,645	-	1,619	1,619	-
Illness	1,636	1,453	183	1,614	1,439	175
Bad weather	133	133	-	112	112	-
Industrial dispute	5	5	-	5	5	-
Legal or religious holiday	96	96	-	95	95	-
Full time for this job	1,784	-	1,784	1,739	-	1,739
All other reasons	2,257	1,505	752	2,155	1,471	684
Average hours:						
Economic reasons	22.7	25.0	21.4	22.7	24.9	21.5
Other reasons	20.9	26.1	19.3	21.0	26.2	19.3
Worked 30 to 34 hours:						
Economic reasons	2,028	1,007	1,021	1,936	959	977
Other reasons	5,633	2,680	2,953	5,501	2,640	2,861

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

(Numbers in thousands)

Industry	October 1991								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	109,878	5,639	15,396	88,844	56,115	11,577	21,152	39.3	43.8
Wage and salary workers	100,975	4,835	13,887	82,252	53,181	10,913	18,158	39.2	43.5
Mining	661	8	11	642	313	101	228	47.0	47.9
Construction	5,377	480	202	4,695	3,134	507	1,054	40.5	43.4
Manufacturing	19,302	551	638	18,113	11,414	3,019	3,681	42.3	43.5
Durable goods	11,316	263	268	10,785	6,774	1,731	2,280	42.7	43.5
Nondurable goods	7,986	288	370	7,328	4,639	1,288	1,401	41.7	43.4
Transportation and public utilities	7,418	234	372	6,811	4,182	984	1,645	42.4	44.2
Wholesale and retail trade	21,531	1,607	5,147	14,777	8,690	2,254	3,832	36.9	44.3
Finance, insurance, and real estate	6,826	144	663	6,020	4,139	688	1,193	39.9	42.5
Service industries	34,410	1,751	6,600	26,059	17,445	2,851	5,764	37.5	43.3
Private households	995	178	419	398	298	27	73	25.6	42.2
All other industries	33,414	1,573	6,180	25,661	17,147	2,824	5,691	37.9	43.3
Public administration	5,449	60	254	5,136	3,866	510	760	40.8	42.0
Self-employed workers	8,677	793	1,406	6,478	2,889	654	2,935	40.7	48.3
Unpaid family workers	226	11	103	113	45	10	59	37.5	52.8

**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 1991							
	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		
TOTAL								
Total, 16 years and over	109,878	5,639	15,396	88,844	56,115	32,729	39.3	43.8
16 to 19 years	5,023	387	3,332	1,304	1,016	288	22.9	40.2
16 to 17 years	1,878	46	1,722	110	87	23	16.2	38.9
18 to 19 years	3,145	341	1,610	1,194	929	265	26.9	40.4
20 years and over	104,855	5,252	12,064	87,539	55,099	32,441	40.1	43.9
20 to 24 years	11,565	903	2,513	8,149	5,756	2,393	36.0	42.5
25 years and over	93,290	4,349	9,551	79,391	49,343	30,048	40.6	44.0
25 to 44 years	60,992	2,928	5,183	52,881	32,489	20,392	41.1	44.1
45 to 64 years	29,431	1,284	2,948	25,199	15,947	9,252	40.7	44.0
65 years and over	2,867	136	1,420	1,312	907	405	29.4	43.4
Men, 16 years and over	59,136	2,715	4,599	51,822	29,062	22,759	42.2	45.3
16 to 19 years	2,529	211	1,559	759	550	210	24.6	42.1
16 to 17 years	917	21	824	72	52	19	17.1	(¹)
18 to 19 years	1,612	190	735	687	497	190	28.9	42.1
20 years and over	56,607	2,505	3,041	51,062	28,513	22,549	43.0	45.4
20 to 24 years	6,010	464	1,088	4,457	2,914	1,543	37.7	43.5
25 years and over	50,598	2,041	1,952	46,605	25,599	21,007	43.6	45.6
25 to 44 years	33,162	1,422	708	31,032	16,739	14,293	44.1	45.6
45 to 64 years	15,912	556	575	14,781	8,334	6,447	43.8	45.5
65 years and over	1,523	62	669	792	527	265	31.5	44.2
Women, 16 years and over	50,742	2,923	10,797	37,022	27,053	9,969	35.9	41.8
16 to 19 years	2,494	176	1,773	545	467	78	21.2	37.7
16 to 17 years	962	25	898	39	35	4	15.3	(¹)
18 to 19 years	1,533	151	875	506	432	75	24.8	37.9
20 years and over	48,248	2,747	9,023	36,477	26,586	9,891	36.7	41.8
20 to 24 years	5,555	438	1,425	3,692	2,842	850	34.1	41.2
25 years and over	42,693	2,309	7,598	32,785	23,744	9,041	37.1	41.9
25 to 44 years	27,830	1,506	4,475	21,849	15,751	6,098	37.5	41.9
45 to 64 years	13,518	729	2,373	10,416	7,611	2,805	37.1	41.9
65 years and over	1,344	74	751	520	380	139	27.1	42.2
RACE								
White, 16 years and over	94,782	4,544	13,760	76,477	46,840	29,637	39.5	44.1
Men	51,501	2,171	4,022	45,308	24,621	20,687	42.5	45.6
Women	43,281	2,373	9,739	31,169	22,219	8,950	35.8	41.9
Black, 16 years and over	11,273	936	1,077	9,260	7,140	2,120	38.4	42.0
Men	5,558	459	374	4,725	3,314	1,411	40.0	43.2
Women	5,715	477	703	4,535	3,826	708	36.7	40.7
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	37,752	1,160	1,372	35,220	18,844	16,377	44.1	45.8
Widowed, divorced, or separated	6,222	403	256	5,563	3,174	2,390	42.9	45.4
Single (never married)	15,162	1,152	2,972	11,038	7,045	3,993	37.3	44.0
Women, 16 years and over:								
Married, spouse present	28,334	1,409	6,201	20,725	15,410	5,315	36.0	41.5
Widowed, divorced, or separated	10,332	692	1,300	8,340	5,765	2,574	38.3	42.5
Single (never married)	12,076	822	3,296	7,958	5,878	2,080	33.9	41.7

¹ 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 1991								
	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 ¹	109,727	5,610	15,375	88,741	55,977	11,582	21,182	39.4	43.9
Managerial and professional specialty	30,163	645	2,878	26,639	14,370	3,481	8,789	42.4	45.4
Executive, administrative, and managerial	14,391	210	814	13,367	6,726	1,839	4,801	44.2	46.0
Professional specialty	15,772	435	2,065	13,272	7,643	1,642	3,988	40.6	44.7
Technical, sales, and administrative support	34,768	1,416	6,441	26,911	18,441	3,180	5,289	37.7	42.8
Technicians and related support	3,687	84	466	3,137	2,231	377	528	39.3	42.4
Sales occupations	13,531	719	2,968	9,845	5,094	1,311	3,440	38.9	46.0
Administrative support, including clerical	17,549	613	3,007	13,929	11,116	1,491	1,322	36.5	40.7
Service occupations	15,309	1,549	4,346	9,414	6,825	990	1,599	33.8	42.6
Private household	771	126	336	309	235	17	57	25.7	41.9
Protective service	1,903	53	164	1,685	1,043	252	390	41.7	44.6
Service, except private household and protective	12,636	1,371	3,846	7,419	5,547	721	1,152	33.1	42.1
Precision production, craft, and repair	12,740	865	386	11,489	7,207	1,720	2,563	41.7	43.9
Operators, fabricators, and laborers	16,747	1,134	1,325	14,288	9,135	2,211	2,942	40.6	43.8
Machine operators, assemblers, and inspectors	7,614	417	280	6,917	4,806	1,117	994	40.8	42.5
Transportation and material moving occupations	4,811	259	411	4,141	2,083	597	1,461	43.5	47.0
Handlers, equipment cleaners, helpers, and laborers	4,323	458	634	3,230	2,246	496	488	37.0	42.5
Men, 16 years and over ¹	58,835	2,682	4,528	51,624	28,873	7,176	15,575	42.3	45.4
Managerial and professional specialty	16,210	303	782	15,125	6,994	1,934	6,197	45.2	47.1
Executive, administrative, and managerial	8,533	134	256	8,143	3,515	1,077	3,551	46.4	47.6
Professional specialty	7,677	169	526	6,982	3,479	858	2,646	43.9	46.5
Technical, sales, and administrative support	12,343	326	1,328	10,688	5,665	1,511	3,513	42.4	45.8
Technicians and related support	1,905	44	135	1,726	1,118	233	375	41.6	43.9
Sales occupations	6,944	165	783	5,996	2,487	852	2,656	44.2	48.0
Administrative support, including clerical	3,493	116	410	2,966	2,059	426	481	39.2	42.6
Service occupations	6,089	508	1,204	4,376	3,012	493	871	36.8	43.7
Private household	36	7	9	20	14	-	6	(²)	(²)
Protective service	1,610	32	103	1,474	889	232	353	42.9	45.0
Service, except private household and protective	4,443	469	1,092	2,882	2,109	260	512	34.7	42.9
Precision production, craft, and repair	11,648	775	300	10,572	6,560	1,568	2,444	42.0	44.0
Operators, fabricators, and laborers	12,545	770	913	10,862	6,642	1,670	2,550	41.4	44.4
Machine operators, assemblers, and inspectors	4,602	180	119	4,303	2,869	702	732	41.8	43.1
Transportation and material moving occupations	4,376	229	281	3,865	1,920	556	1,389	44.2	47.1
Handlers, equipment cleaners, helpers, and laborers	3,568	361	513	2,694	1,852	412	430	37.2	42.7
Women, 16 years and over ¹	50,892	2,928	10,847	37,117	27,104	4,406	5,607	36.0	41.8
Managerial and professional specialty	13,953	343	2,096	11,514	7,376	1,546	2,592	39.0	43.1
Executive, administrative, and managerial	5,858	76	558	5,224	3,211	762	1,251	41.1	43.5
Professional specialty	8,095	266	1,539	6,290	4,165	784	1,342	37.5	42.7
Technical, sales, and administrative support	22,425	1,090	5,112	16,222	12,776	1,669	1,776	35.2	40.9
Technicians and related support	1,782	40	331	1,410	1,113	145	153	36.8	40.6
Sales occupations	6,587	554	2,184	3,849	2,607	459	783	33.2	42.8
Administrative support, including clerical	14,056	497	2,597	10,962	9,056	1,066	840	35.9	40.2
Service occupations	9,220	1,041	3,141	5,038	3,813	497	728	31.8	41.6
Private household	734	118	327	289	221	18	51	25.5	41.5
Protective service	292	20	61	211	154	20	37	35.3	41.8
Service, except private household and protective	8,193	902	2,754	4,538	3,438	460	640	32.2	41.6
Precision production, craft, and repair	1,092	90	86	917	647	152	118	38.7	41.9
Operators, fabricators, and laborers	4,202	364	412	3,426	2,493	541	392	38.4	41.8
Machine operators, assemblers, and inspectors	3,012	237	161	2,614	1,936	416	262	39.3	41.5
Transportation and material moving occupations	435	30	130	275	162	41	72	36.4	45.1
Handlers, equipment cleaners, helpers, and laborers	755	97	121	537	394	84	58	36.1	41.8

¹ Excludes farming, forestry, and fishing occupations.

² 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
TOTAL													
Noninstitutional population ¹	190,095	190,312	190,483	190,592	190,717	190,703	190,836	190,980	191,173	191,443	191,589	191,746	191,903
Labor force ¹	126,445	126,338	126,791	126,253	126,678	126,786	127,128	126,690	127,134	126,818	126,520	127,231	127,163
Percent of population ²	66.5	66.4	66.6	66.2	66.4	66.5	66.6	66.3	66.5	66.2	66.0	66.4	66.3
Total employed ¹	119,303	119,001	119,191	118,537	118,520	118,214	118,854	118,049	118,389	118,316	118,032	118,789	118,581
Employment-population ratio ³	62.8	62.5	62.6	62.2	62.1	62.0	62.3	61.8	61.9	61.8	61.6	62.0	61.8
Resident Armed Forces	1,570	1,615	1,617	1,615	1,602	1,460	1,456	1,458	1,505	1,604	1,616	1,624	1,614
Civilian employed	117,733	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967
Agriculture	3,175	3,185	3,253	3,163	3,222	3,098	3,156	3,272	3,308	3,239	3,266	3,306	3,195
Nonagricultural industries	114,558	114,201	114,321	113,759	113,696	113,656	114,243	113,319	113,576	113,474	113,150	113,859	113,772
Unemployed	7,142	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	8,501	8,488	8,442	8,582
Unemployment rate ⁴	5.6	5.8	6.0	6.1	6.4	6.8	6.5	6.8	6.9	6.7	6.7	6.6	6.7
Not in labor force	63,650	63,974	63,692	64,339	64,039	63,917	63,708	64,291	64,039	64,625	65,069	64,515	64,740
Men													
Noninstitutional population ¹	91,299	91,440	91,537	91,590	91,650	91,587	91,652	91,720	91,839	92,023	92,100	92,185	92,270
Labor force ¹	69,804	69,899	70,058	69,543	69,749	69,808	69,855	69,704	69,793	69,821	69,652	70,261	69,998
Percent of population ²	76.5	76.4	76.5	75.9	76.1	76.2	76.2	76.0	76.0	75.9	75.6	76.2	75.9
Total employed ¹	65,822	65,790	65,781	65,251	65,043	64,846	65,112	64,746	64,750	64,820	64,770	65,285	65,142
Employment-population ratio ³	72.1	71.9	71.9	71.2	71.0	70.8	71.0	70.6	70.5	70.4	70.3	70.8	70.6
Resident Armed Forces	1,414	1,453	1,454	1,453	1,439	1,314	1,310	1,303	1,345	1,431	1,442	1,449	1,440
Civilian employed	64,408	64,337	64,327	63,798	63,604	63,532	63,802	63,443	63,405	63,389	63,328	63,836	63,702
Unemployed	3,982	4,109	4,277	4,292	4,706	4,962	4,743	4,957	5,043	5,001	4,882	4,976	4,856
Unemployment rate ⁴	5.7	5.9	6.1	6.2	6.7	7.1	6.8	7.1	7.2	7.2	7.0	7.1	6.9
Not in labor force	21,495	21,541	21,479	22,047	21,901	21,779	21,797	22,017	22,046	22,202	22,448	21,924	22,272
Women													
Noninstitutional population ¹	98,796	98,872	98,946	99,002	99,067	99,116	99,184	99,260	99,334	99,421	99,489	99,561	99,633
Labor force ¹	56,641	56,439	56,733	56,710	56,929	56,978	57,273	56,986	57,341	56,997	56,868	56,971	57,165
Percent of population ²	57.3	57.1	57.3	57.3	57.5	57.5	57.7	57.4	57.7	57.3	57.2	57.2	57.4
Total employed ¹	53,481	53,211	53,410	53,287	53,477	53,368	53,742	53,303	53,639	53,496	53,262	53,505	53,438
Employment-population ratio ³	54.1	53.8	54.0	53.8	54.0	53.8	54.2	53.7	54.0	53.8	53.5	53.7	53.6
Resident Armed Forces	156	162	163	162	163	146	146	155	160	173	174	175	174
Civilian employed	53,325	53,049	53,247	53,125	53,314	53,222	53,596	53,148	53,479	53,323	53,088	53,330	53,264
Unemployed	3,160	3,228	3,323	3,423	3,452	3,610	3,531	3,683	3,702	3,500	3,606	3,466	3,726
Unemployment rate ⁴	5.6	5.7	5.9	6.0	6.1	6.3	6.2	6.5	6.5	6.1	6.3	6.1	6.5
Not in labor force	42,155	42,433	42,213	42,292	42,138	42,138	41,911	42,274	41,993	42,424	42,621	42,590	42,468

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
TOTAL													
Civilian noninstitutional population ¹	188,525	188,697	188,866	188,977	189,115	189,243	189,380	189,522	189,668	189,839	189,973	190,122	190,289
Civilian labor force	124,875	124,723	125,174	124,638	125,076	125,326	125,672	125,232	125,629	125,214	124,904	125,607	125,549
Percent of population	66.2	66.1	66.3	66.0	66.1	66.2	66.4	66.1	66.2	66.0	65.7	66.1	66.0
Employed	117,733	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967
Employment-population ratio ²	62.4	62.2	62.3	61.9	61.8	61.7	62.0	61.5	61.6	61.5	61.3	61.6	61.5
Unemployed	7,142	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	8,501	8,488	8,442	8,582
Unemployment rate	5.7	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	6.8	6.8	6.7	6.8
Men, 16 years and over													
Civilian noninstitutional population ¹	89,885	89,987	90,083	90,137	90,211	90,273	90,342	90,417	90,494	90,592	90,658	90,736	90,830
Civilian labor force	68,390	68,446	68,604	68,090	68,310	68,494	68,545	68,401	68,448	68,390	68,210	68,812	68,558
Percent of population	76.1	76.1	76.2	75.5	75.7	75.9	75.9	75.7	75.6	75.5	75.2	75.8	75.5
Employed	64,408	64,337	64,327	63,798	63,604	63,532	63,802	63,443	63,405	63,389	63,328	63,836	63,702
Employment-population ratio ²	71.7	71.5	71.4	70.8	70.5	70.4	70.6	70.2	70.1	70.0	69.9	70.4	70.1
Agriculture	2,504	2,518	2,572	2,466	2,520	2,456	2,504	2,596	2,640	2,586	2,580	2,594	2,535
Nonagricultural industries	61,904	61,819	61,755	61,331	61,084	61,076	61,298	60,847	60,765	60,803	60,748	61,241	61,167
Unemployed	3,982	4,109	4,277	4,292	4,706	4,962	4,743	4,957	5,043	5,001	4,882	4,976	4,856
Unemployment rate	5.8	6.0	6.2	6.3	6.9	7.2	6.9	7.2	7.4	7.3	7.2	7.2	7.1
Not in labor force	21,495	21,541	21,479	22,047	21,901	21,779	21,797	22,017	22,046	22,202	22,448	21,924	22,272
Men, 20 years and over													
Civilian noninstitutional population ¹	83,013	83,092	83,208	83,271	83,392	83,466	83,567	83,636	83,748	83,865	83,940	84,023	84,151
Civilian labor force	64,594	64,682	64,803	64,345	64,577	64,735	64,957	64,741	64,897	64,934	64,830	65,155	65,010
Percent of population	77.8	77.8	77.9	77.3	77.4	77.4	77.4	77.4	77.5	77.4	77.2	77.5	77.3
Employed	61,245	61,217	61,188	60,734	60,533	60,551	60,905	60,556	60,625	60,683	60,613	60,890	60,817
Employment-population ratio ²	73.8	73.7	73.5	72.9	72.6	72.5	72.9	72.4	72.4	72.4	72.2	72.5	72.3
Agriculture	2,283	2,307	2,365	2,289	2,315	2,255	2,328	2,368	2,438	2,381	2,365	2,423	2,378
Nonagricultural industries	58,962	58,910	58,823	58,445	58,217	58,296	58,577	58,188	58,187	58,302	58,248	58,467	58,440
Unemployed	3,349	3,465	3,615	3,611	4,044	4,184	4,052	4,184	4,272	4,251	4,217	4,265	4,193
Unemployment rate	5.2	5.4	5.6	5.6	6.3	6.5	6.2	6.5	6.6	6.5	6.5	6.5	6.4
Not in labor force	18,419	18,410	18,405	18,926	18,815	18,731	18,610	18,895	18,851	18,931	19,110	18,868	19,141
Women, 16 years and over													
Civilian noninstitutional population ¹	98,640	98,710	98,783	98,840	98,904	98,970	99,038	99,105	99,174	99,248	99,315	99,386	99,459
Civilian labor force	56,485	56,277	56,570	56,548	56,766	56,832	57,127	56,831	57,181	56,824	56,694	56,796	56,991
Percent of population	57.3	57.0	57.3	57.2	57.4	57.4	57.7	57.3	57.7	57.3	57.1	57.1	57.3
Employed	53,325	53,049	53,247	53,125	53,314	53,222	53,596	53,148	53,479	53,323	53,088	53,330	53,264
Employment-population ratio ²	54.1	53.7	53.9	53.7	53.9	53.8	54.1	53.6	53.9	53.7	53.5	53.7	53.6
Agriculture	671	667	681	697	703	642	651	676	668	653	685	712	660
Nonagricultural industries	52,654	52,382	52,566	52,428	52,611	52,580	52,945	52,473	52,811	52,670	52,402	52,618	52,605
Unemployed	3,160	3,228	3,323	3,423	3,452	3,610	3,531	3,683	3,702	3,500	3,606	3,466	3,726
Unemployment rate	5.6	5.7	5.9	6.1	6.1	6.4	6.2	6.5	6.5	6.2	6.4	6.1	6.5
Not in labor force	42,155	42,433	42,213	42,292	42,138	42,138	41,911	42,274	41,993	42,424	42,621	42,590	42,468
Women, 20 years and over													
Civilian noninstitutional population ¹	91,857	91,963	92,042	92,139	92,198	92,273	92,358	92,454	92,546	92,654	92,720	92,797	92,875
Civilian labor force	53,047	52,896	53,182	53,097	53,284	53,359	53,634	53,480	53,883	53,617	53,616	53,596	53,654
Percent of population	57.7	57.5	57.8	57.6	57.8	57.8	58.1	57.8	58.2	57.9	57.8	57.8	57.8
Employed	50,423	50,196	50,389	50,300	50,404	50,323	50,695	50,363	50,723	50,738	50,575	50,656	50,556
Employment-population ratio ²	54.9	54.6	54.7	54.6	54.7	54.5	54.9	54.5	54.8	54.8	54.5	54.6	54.4
Agriculture	628	627	647	664	675	607	623	633	617	601	642	679	629
Nonagricultural industries	49,795	49,569	49,742	49,636	49,728	49,716	50,072	49,731	50,106	50,136	49,933	49,977	49,927
Unemployed	2,624	2,700	2,793	2,797	2,881	3,035	2,939	3,117	3,160	2,879	3,041	2,940	3,098
Unemployment rate	4.9	5.1	5.3	5.3	5.4	5.7	5.5	5.8	5.9	5.4	5.7	5.5	5.8
Not in labor force	38,810	39,067	38,860	39,042	38,914	38,914	38,724	38,974	38,663	39,037	39,104	39,201	39,221
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	13,655	13,642	13,616	13,567	13,525	13,504	13,455	13,432	13,374	13,320	13,313	13,302	13,263
Civilian labor force	7,234	7,145	7,189	7,196	7,215	7,232	7,081	7,011	6,850	6,662	6,458	6,856	6,884
Percent of population	53.0	52.4	52.8	53.0	53.3	53.6	52.6	52.2	51.2	50.0	48.5	51.5	51.9
Employed	6,065	5,973	5,997	5,889	5,982	5,879	5,798	5,672	5,537	5,291	5,228	5,619	5,593
Employment-population ratio ²	44.4	43.8	44.0	43.4	44.2	43.5	43.1	42.2	41.4	39.7	39.3	42.2	42.2
Agriculture	264	251	241	211	232	235	204	271	254	256	259	204	188
Nonagricultural industries	5,801	5,722	5,756	5,678	5,750	5,644	5,594	5,401	5,283	5,035	4,969	5,415	5,405
Unemployed	1,169	1,172	1,192	1,307	1,233	1,353	1,283	1,339	1,313	1,371	1,230	1,237	1,291
Unemployment rate	16.2	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2	20.6	19.0	18.0	18.8
Not in labor force	6,421	6,497	6,427	6,371	6,310	6,272	6,374	6,421	6,524	6,658	6,855	6,446	6,379

¹ The population figures are not adjusted for seasonal variation.

population.

² 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
WHITE													
Civilian noninstitutional population ¹	160,717	160,831	160,942	161,007	161,097	161,179	161,264	161,357	161,449	161,558	161,642	161,738	161,846
Civilian labor force	107,277	107,048	107,517	106,962	107,432	107,488	107,678	107,491	107,745	107,382	107,090	107,618	107,721
Percent of population	66.7	66.6	66.8	66.4	66.7	66.7	66.8	66.6	66.7	66.5	66.3	66.5	66.6
Employed	102,017	101,648	101,843	101,104	101,141	100,870	101,455	100,944	101,046	100,760	100,610	101,112	101,211
Employment-population ratio ²	63.5	63.2	63.3	62.8	62.8	62.6	62.9	62.6	62.6	62.4	62.2	62.5	62.5
Unemployed	5,260	5,400	5,674	5,858	6,291	6,617	6,223	6,547	6,699	6,622	6,480	6,505	6,510
Unemployment rate	4.9	5.0	5.3	5.5	5.9	6.2	5.8	6.1	6.2	6.2	6.1	6.0	6.0
Men, 20 years and over													
Civilian labor force	56,123	56,174	56,307	55,836	56,000	56,151	56,310	56,210	56,267	56,344	56,252	56,532	56,371
Percent of population	78.3	78.3	78.3	77.6	77.8	77.9	78.1	77.9	77.9	77.9	77.7	78.0	77.7
Employed	53,615	53,564	53,497	53,010	52,801	52,828	53,179	53,025	52,962	52,960	52,934	53,072	53,042
Employment-population ratio ²	74.8	74.6	74.4	73.7	73.3	73.7	73.7	73.5	73.3	73.2	73.1	73.3	73.2
Unemployed	2,508	2,610	2,810	2,826	3,198	3,323	3,131	3,185	3,304	3,385	3,318	3,459	3,329
Unemployment rate	4.5	4.6	5.0	5.1	5.7	5.9	5.6	5.7	5.9	6.0	5.9	6.1	5.9
Women, 20 years and over													
Civilian labor force	44,918	44,711	44,995	44,888	45,211	45,186	45,304	45,242	45,572	45,316	45,254	45,176	45,390
Percent of population	57.6	57.2	57.6	57.4	57.8	57.7	57.8	57.7	58.0	57.7	57.6	57.4	57.7
Employed	43,032	42,768	43,001	42,841	43,019	42,892	43,169	42,932	43,213	43,137	42,998	43,035	43,167
Employment-population ratio ²	55.1	54.8	55.0	54.8	55.0	54.8	55.1	54.7	55.0	54.9	54.7	54.7	54.8
Unemployed	1,886	1,943	1,994	2,047	2,192	2,294	2,136	2,310	2,360	2,179	2,256	2,141	2,223
Unemployment rate	4.2	4.3	4.4	4.6	4.8	5.1	4.7	5.1	5.2	4.8	5.0	4.7	4.9
Both sexes, 16 to 19 years													
Civilian labor force	6,236	6,163	6,215	6,238	6,222	6,151	6,064	6,039	5,906	5,722	5,584	5,910	5,960
Percent of population	56.9	56.3	57.0	57.4	57.5	57.1	56.4	56.3	55.3	53.7	52.5	55.6	56.2
Employed	5,370	5,316	5,345	5,253	5,321	5,150	5,108	4,987	4,871	4,663	4,678	5,005	5,003
Employment-population ratio ²	49.0	48.6	49.0	48.3	49.2	47.8	47.5	46.5	45.6	43.7	43.9	47.1	47.1
Unemployed	866	847	870	985	901	1,001	956	1,052	1,035	1,059	906	905	957
Unemployment rate	13.9	13.7	14.0	15.8	14.5	16.3	15.8	17.4	17.5	18.5	16.2	15.3	16.1
Men	14.7	14.9	14.9	15.8	15.4	18.6	16.9	19.3	19.9	20.0	16.9	16.4	16.3
Women	13.0	12.5	13.0	15.8	13.4	13.7	14.7	15.4	14.9	16.8	15.5	14.1	15.8
BLACK													
Civilian noninstitutional population ¹	21,383	21,417	21,448	21,470	21,493	21,516	21,541	21,569	21,595	21,631	21,655	21,683	21,714
Civilian labor force	13,493	13,550	13,486	13,501	13,421	13,610	13,670	13,472	13,613	13,516	13,454	13,737	13,554
Percent of population	63.1	63.3	62.9	62.9	62.4	63.3	63.5	62.5	63.0	62.5	62.1	63.4	62.4
Employed	11,913	11,897	11,836	11,866	11,839	11,934	11,948	11,727	11,837	11,922	11,796	12,080	11,830
Employment-population ratio ²	55.7	55.5	55.2	55.3	55.1	55.5	55.5	54.4	54.8	55.1	54.5	55.7	54.5
Unemployed	1,580	1,653	1,650	1,635	1,582	1,675	1,722	1,745	1,777	1,595	1,658	1,657	1,724
Unemployment rate	11.7	12.2	12.2	12.1	11.8	12.3	12.6	13.0	13.1	11.8	12.3	12.1	12.7
Men, 20 years and over													
Civilian labor force	6,339	6,348	6,359	6,313	6,366	6,395	6,416	6,265	6,399	6,379	6,301	6,409	6,374
Percent of population	74.1	74.3	74.1	73.5	73.9	74.1	74.2	72.6	73.9	73.5	72.4	73.5	73.0
Employed	5,635	5,638	5,664	5,602	5,649	5,672	5,647	5,475	5,584	5,638	5,577	5,716	5,686
Employment-population ratio ²	65.9	66.0	66.0	65.2	65.6	65.7	65.3	63.5	64.5	64.9	64.1	65.6	65.1
Unemployed	704	710	695	712	717	723	769	790	815	741	724	693	688
Unemployment rate	11.1	11.2	10.9	11.3	11.3	11.3	12.0	12.6	12.7	11.6	11.5	10.8	10.8
Women, 20 years and over													
Civilian labor force	6,345	6,365	6,339	6,374	6,286	6,388	6,476	6,459	6,483	6,418	6,485	6,576	6,454
Percent of population	59.3	59.4	59.0	59.3	58.4	59.2	60.0	59.7	59.8	59.2	59.7	60.4	59.2
Employed	5,728	5,717	5,668	5,738	5,694	5,755	5,812	5,755	5,768	5,813	5,816	5,896	5,703
Employment-population ratio ²	53.5	53.3	52.8	53.4	52.9	53.4	53.8	53.2	53.2	53.6	53.5	54.2	52.3
Unemployed	617	648	671	636	593	633	664	705	715	605	669	680	751
Unemployment rate	9.7	10.2	10.6	10.0	9.4	9.9	10.3	10.9	11.0	9.4	10.3	10.3	11.6

See footnotes at end of table.

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	809	837	788	814	769	826	779	747	732	719	668	752	726
Percent of population	38.0	38.9	36.9	38.4	36.4	39.2	37.1	35.1	34.8	34.3	31.9	36.0	34.8
Employed	550	542	504	526	497	507	490	497	485	470	403	468	441
Employment-population ratio ²	25.8	25.2	23.6	24.8	23.5	24.1	23.3	23.3	23.0	22.4	19.3	22.4	21.1
Unemployed	259	295	284	288	272	319	289	250	247	249	265	284	285
Unemployment rate	32.0	35.2	36.0	35.4	35.4	38.6	37.1	33.5	33.7	34.6	39.7	37.8	39.3
Men	31.3	33.2	36.4	34.6	35.5	38.4	38.4	36.7	37.4	31.8	37.5	40.8	35.4
Women	32.7	37.5	35.6	36.1	35.2	38.9	35.7	30.1	28.9	37.4	42.3	33.6	43.5
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	14,435	14,474	14,514	14,553	14,593	14,632	14,672	14,711	14,751	14,790	14,829	14,869	14,908
Civilian labor force	9,580	9,500	9,569	9,675	9,578	9,696	9,739	9,695	9,737	9,834	9,747	9,863	9,924
Percent of population	66.4	65.6	65.9	66.5	65.6	66.3	66.4	65.9	66.0	66.5	65.7	66.3	66.6
Employed	8,793	8,683	8,676	8,779	8,664	8,700	8,859	8,756	8,781	8,903	8,778	8,764	8,871
Employment-population ratio ²	60.9	60.0	59.8	60.3	59.4	59.5	60.4	59.5	59.5	60.2	59.2	58.9	59.5
Unemployed	787	817	893	896	914	997	880	939	956	931	969	1,098	1,053
Unemployment rate	8.2	8.6	9.3	9.3	9.5	10.3	9.0	9.7	9.8	9.5	9.9	11.1	10.6

¹ The population figures are not adjusted for seasonal variation.

² 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
CHARACTERISTIC													
Total	117,733	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967
Married men, spouse present	40,833	40,844	40,728	40,316	40,482	40,296	40,502	40,280	40,337	40,503	40,462	40,510	40,531
Married women, spouse present	29,789	29,713	29,776	29,599	29,680	29,514	29,762	29,608	29,877	29,993	29,915	29,843	29,852
Women who maintain families	6,354	6,341	6,367	6,386	6,384	6,470	6,371	6,350	6,520	6,489	6,467	6,574	6,443
OCCUPATION													
Managerial and professional specialty	30,714	30,732	30,777	30,699	31,093	30,764	30,990	30,908	30,842	30,926	30,850	31,002	31,110
Technical, sales, and administrative support	36,447	36,380	36,242	36,360	36,100	36,265	36,515	36,233	36,283	35,891	35,876	36,096	36,132
Service occupations	15,880	15,861	15,904	15,746	15,773	15,948	15,882	15,793	16,142	16,138	15,939	16,075	16,034
Precision production, craft, and repair	13,547	13,428	13,524	13,399	13,333	13,212	13,197	13,181	13,207	13,057	13,102	13,045	13,152
Operators, fabricators, and laborers	17,858	17,752	17,695	17,227	16,997	17,051	17,150	17,188	16,974	17,184	17,121	17,509	17,161
Farming, forestry, and fishing	3,376	3,360	3,436	3,437	3,499	3,387	3,464	3,451	3,502	3,540	3,466	3,451	3,430
INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,714	1,681	1,671	1,603	1,629	1,556	1,660	1,703	1,748	1,678	1,704	1,746	1,629
Self-employed workers	1,350	1,386	1,473	1,396	1,448	1,412	1,450	1,421	1,431	1,497	1,480	1,431	1,436
Unpaid family workers	99	116	102	157	168	134	95	117	115	120	102	118	126
Nonagricultural industries:													
Wage and salary workers	105,384	105,267	105,095	104,698	104,569	104,455	104,697	104,613	104,345	104,422	104,122	104,744	104,442
Government	17,694	17,633	17,640	17,680	17,792	17,829	18,064	17,904	17,898	17,969	17,908	17,955	18,165
Private industries	87,690	87,634	87,455	87,018	86,777	86,626	86,633	86,709	86,447	86,453	86,214	86,789	86,277
Private households	1,017	992	1,013	967	953	980	943	934	1,005	1,113	1,058	1,013	998
Other industries	86,673	86,642	86,442	86,051	85,824	85,646	85,690	85,775	85,441	85,340	85,156	85,775	85,279
Self-employed workers	8,859	8,800	8,896	8,738	8,876	8,926	9,209	8,732	8,968	8,860	8,817	8,980	8,980
Unpaid family workers	250	255	238	232	239	224	213	206	260	229	212	195	243
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,409	5,438	5,581	5,510	6,062	6,163	6,162	5,932	5,705	5,881	5,892	6,374	6,328
Slack work	2,663	2,786	2,928	2,908	3,252	3,303	3,383	3,138	3,146	3,091	3,073	3,417	3,438
Could only find part-time work	2,344	2,340	2,302	2,214	2,401	2,494	2,462	2,556	2,325	2,505	2,621	2,728	2,612
Voluntary part time	15,129	15,048	15,081	14,833	14,971	14,819	15,027	14,876	15,598	15,208	15,040	15,046	14,976
Nonagricultural industries:													
Part time for economic reasons	5,135	5,163	5,262	5,178	5,803	5,889	5,956	5,702	5,425	5,605	5,643	6,130	6,116
Slack work	2,467	2,625	2,742	2,692	3,067	3,107	3,181	2,971	2,964	2,915	2,886	3,207	3,253
Could only find part-time work	2,281	2,262	2,218	2,133	2,349	2,404	2,403	2,463	2,229	2,435	2,533	2,638	2,563
Voluntary part time	14,715	14,658	14,650	14,461	14,528	14,452	14,641	14,377	15,168	14,737	14,591	14,579	14,484

¹ 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over	117,733	117,386	117,574	116,922	116,918	116,754	117,398	116,591	116,884	116,712	116,416	117,165	116,967
16 to 24 years	18,577	18,518	18,572	18,442	18,274	18,186	18,192	17,822	17,587	17,430	17,347	17,849	17,753
16 to 19 years	6,065	5,973	5,997	5,889	5,982	5,879	5,798	5,672	5,537	5,291	5,228	5,619	5,593
16 to 17 years	2,212	2,225	2,224	2,215	2,360	2,177	2,146	2,102	2,153	1,957	1,973	2,127	2,157
18 to 19 years	3,857	3,739	3,774	3,704	3,631	3,695	3,643	3,549	3,381	3,372	3,293	3,466	3,441
20 to 24 years	12,512	12,545	12,575	12,554	12,292	12,306	12,394	12,151	12,050	12,138	12,119	12,230	12,160
25 years and over	99,160	98,847	98,937	98,463	98,605	98,529	99,150	98,727	99,358	99,357	99,046	99,371	99,197
25 to 54 years	84,325	84,075	84,070	83,717	83,866	83,821	84,342	84,165	84,572	84,606	84,481	84,684	84,566
55 years and over	14,851	14,812	14,901	14,628	14,687	14,720	14,778	14,583	14,757	14,740	14,534	14,745	14,597
Men, 16 years and over	64,408	64,337	64,327	63,798	63,604	63,532	63,802	63,443	63,405	63,389	63,328	63,836	63,702
16 to 24 years	9,712	9,695	9,758	9,594	9,483	9,392	9,371	9,264	9,114	9,128	9,116	9,381	9,277
16 to 19 years	3,163	3,120	3,139	3,063	3,071	2,981	2,897	2,887	2,780	2,706	2,715	2,945	2,885
16 to 17 years	1,163	1,179	1,172	1,205	1,215	1,092	1,075	1,080	1,114	1,036	995	1,096	1,093
18 to 19 years	1,995	1,950	1,966	1,886	1,857	1,895	1,810	1,782	1,662	1,706	1,726	1,833	1,789
20 to 24 years	6,549	6,575	6,619	6,530	6,412	6,412	6,474	6,377	6,333	6,423	6,400	6,436	6,392
25 years and over	54,687	54,637	54,546	54,190	54,084	54,113	54,433	54,154	54,336	54,272	54,179	54,514	54,391
25 to 54 years	46,219	46,137	46,035	45,819	45,742	45,761	45,962	45,828	45,947	45,981	45,968	46,225	46,129
55 years and over	8,492	8,498	8,553	8,318	8,326	8,353	8,415	8,330	8,368	8,291	8,187	8,302	8,264
Women, 16 years and over	53,325	53,049	53,247	53,125	53,314	53,222	53,596	53,148	53,479	53,323	53,088	53,330	53,264
16 to 24 years	8,865	8,823	8,814	8,848	8,791	8,793	8,821	8,559	8,473	8,301	8,232	8,468	8,477
16 to 19 years	2,902	2,853	2,858	2,825	2,911	2,899	2,901	2,785	2,756	2,586	2,513	2,674	2,709
16 to 17 years	1,049	1,046	1,052	1,010	1,145	1,085	1,071	1,022	1,039	921	978	1,031	1,064
18 to 19 years	1,862	1,789	1,808	1,818	1,774	1,800	1,833	1,767	1,719	1,666	1,567	1,633	1,652
20 to 24 years	5,963	5,970	5,956	6,023	5,881	5,895	5,920	5,774	5,717	5,716	5,719	5,795	5,768
25 years and over	44,473	44,210	44,391	44,273	44,521	44,416	44,717	44,573	45,022	45,085	44,866	44,858	44,806
25 to 54 years	38,106	37,938	38,035	37,898	38,124	38,060	38,380	38,337	38,624	38,625	38,513	38,459	38,438
55 years and over	6,359	6,314	6,348	6,310	6,361	6,367	6,363	6,253	6,389	6,449	6,347	6,444	6,333

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

(In thousands)

Sex and age	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over	7,142	7,337	7,600	7,715	8,158	8,572	8,274	8,640	8,745	8,501	8,488	8,442	8,582
16 to 24 years	2,463	2,428	2,463	2,617	2,682	2,770	2,680	2,864	2,825	2,905	2,678	2,725	2,844
16 to 19 years	1,169	1,172	1,192	1,307	1,233	1,353	1,283	1,339	1,313	1,371	1,230	1,237	1,291
16 to 17 years	508	507	524	541	480	576	578	539	545	618	555	549	594
18 to 19 years	657	662	665	745	741	785	709	826	772	739	667	711	699
20 to 24 years	1,294	1,256	1,271	1,310	1,449	1,417	1,397	1,525	1,512	1,534	1,448	1,488	1,553
25 years and over	4,630	4,910	5,160	5,162	5,501	5,811	5,678	5,715	5,893	5,542	5,765	5,720	5,680
25 to 54 years	4,105	4,403	4,664	4,618	4,940	5,205	5,117	5,134	5,167	4,992	5,107	5,135	5,144
55 years and over	536	513	501	510	582	638	588	624	691	616	645	589	548
Men, 16 years and over	3,982	4,109	4,277	4,292	4,706	4,962	4,743	4,957	5,043	5,001	4,882	4,976	4,856
16 to 24 years	1,325	1,335	1,363	1,461	1,520	1,638	1,566	1,577	1,627	1,665	1,508	1,607	1,539
16 to 19 years	633	644	662	681	662	778	691	773	771	750	665	711	663
16 to 17 years	263	280	295	278	287	364	304	291	287	329	296	300	300
18 to 19 years	368	367	366	381	375	421	389	495	478	405	369	418	361
20 to 24 years	692	691	701	780	858	860	875	804	856	915	843	896	876
25 years and over	2,630	2,764	2,937	2,897	3,201	3,344	3,246	3,326	3,379	3,288	3,330	3,345	3,288
25 to 54 years	2,299	2,448	2,625	2,535	2,847	2,951	2,888	2,953	2,903	2,940	2,894	2,979	2,951
55 years and over	344	335	316	319	367	399	390	410	413	412	427	366	340
Women, 16 years and over	3,160	3,228	3,323	3,423	3,452	3,610	3,531	3,683	3,702	3,500	3,606	3,466	3,726
16 to 24 years	1,138	1,093	1,100	1,156	1,162	1,132	1,113	1,287	1,198	1,239	1,171	1,118	1,305
16 to 19 years	536	528	530	626	571	575	592	566	542	621	565	526	628
16 to 17 years	245	227	229	263	193	212	274	248	258	289	259	249	294
18 to 19 years	289	295	299	364	366	364	320	331	294	334	298	293	338
20 to 24 years	602	565	570	530	591	557	521	721	656	618	606	592	677
25 years and over	2,000	2,146	2,223	2,265	2,300	2,467	2,432	2,389	2,514	2,254	2,435	2,375	2,392
25 to 54 years	1,806	1,955	2,039	2,083	2,092	2,254	2,229	2,182	2,264	2,052	2,212	2,155	2,193
55 years and over	192	178	185	191	214	239	198	214	277	204	217	223	208

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total, 16 years and over	5.7	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	6.8	6.8	6.7	6.8
16 to 24 years	11.7	11.6	11.7	12.4	12.8	13.2	12.8	13.8	13.8	14.3	13.4	13.2	13.8
16 to 19 years	16.2	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2	20.6	19.0	18.0	18.8
16 to 17 years	18.7	18.6	19.1	19.6	16.9	20.9	21.2	20.4	20.2	24.0	22.0	20.5	21.6
18 to 19 years	14.6	15.0	15.0	16.7	16.9	17.5	16.3	18.9	18.6	18.0	16.8	17.0	16.9
20 to 24 years	9.4	9.1	9.2	9.5	10.5	10.3	10.1	11.2	11.1	11.2	10.7	10.8	11.3
25 years and over	4.5	4.7	5.0	5.0	5.3	5.6	5.4	5.5	5.6	5.3	5.5	5.4	5.4
25 to 54 years	4.6	5.0	5.3	5.2	5.6	5.8	5.7	5.7	5.8	5.6	5.7	5.7	5.7
55 years and over	3.5	3.3	3.3	3.4	3.8	4.2	3.8	4.1	4.5	4.0	4.2	3.8	3.6
Men, 16 years and over	5.8	6.0	6.2	6.3	6.9	7.2	6.9	7.2	7.4	7.3	7.2	7.2	7.1
16 to 24 years	12.0	12.1	12.3	13.2	13.8	14.9	14.3	14.5	15.1	15.4	14.2	14.6	14.2
16 to 19 years	16.7	17.1	17.4	18.2	17.7	20.7	19.3	21.1	21.7	21.7	19.7	19.4	18.7
16 to 17 years	18.4	19.2	20.1	18.7	19.1	25.0	22.0	21.2	20.5	24.1	22.9	21.5	21.5
18 to 19 years	15.6	15.8	15.7	16.8	16.8	18.2	17.7	21.7	22.3	19.2	17.6	18.6	16.8
20 to 24 years	9.6	9.5	9.6	10.7	11.8	11.8	11.9	11.2	11.9	12.5	11.6	12.2	12.0
25 years and over	4.6	4.8	5.1	5.1	5.6	5.8	5.6	5.8	5.9	5.7	5.8	5.8	5.7
25 to 54 years	4.7	5.0	5.4	5.2	5.9	6.1	5.9	6.1	5.9	6.0	5.9	6.1	6.0
55 years and over	3.9	3.8	3.6	3.7	4.2	4.6	4.4	4.7	4.7	4.7	5.0	4.2	4.0
Women, 16 years and over	5.6	5.7	5.9	6.1	6.1	6.4	6.2	6.5	6.5	6.2	6.4	6.1	6.5
16 to 24 years	11.4	11.0	11.1	11.6	11.7	11.4	11.2	13.1	12.4	13.0	12.5	11.7	13.3
16 to 19 years	15.6	15.6	15.6	18.1	16.4	16.6	16.9	16.9	16.4	19.4	18.4	16.4	18.8
16 to 17 years	18.9	17.8	17.9	20.7	14.4	16.3	20.4	19.5	19.9	23.9	20.9	19.5	21.6
18 to 19 years	13.4	14.2	14.2	16.7	17.1	16.8	14.9	15.8	14.6	16.7	16.0	15.2	17.0
20 to 24 years	9.2	8.6	8.7	8.1	9.1	8.6	8.1	11.1	10.3	9.8	9.6	9.3	10.5
25 years and over	4.3	4.6	4.8	4.9	4.9	5.3	5.2	5.1	5.3	4.8	5.1	5.0	5.1
25 to 54 years	4.5	4.9	5.1	5.2	5.2	5.6	5.5	5.4	5.5	5.0	5.4	5.3	5.4
55 years and over	2.9	2.7	2.8	2.9	3.3	3.6	3.0	3.3	4.2	3.1	3.3	3.3	3.2

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
CHARACTERISTIC													
Total (all civilian workers)	5.7	5.9	6.1	6.2	6.5	6.8	6.6	6.9	7.0	6.8	6.8	6.7	6.8
Men, 20 years and over	5.2	5.4	5.6	5.6	6.3	6.5	6.2	6.5	6.6	6.5	6.5	6.5	6.4
Women, 20 years and over	4.9	5.1	5.3	5.3	5.4	5.7	5.5	5.8	5.9	5.4	5.7	5.5	5.8
Both sexes, 16 to 19 years	16.2	16.4	16.6	18.2	17.1	18.7	18.1	19.1	19.2	20.6	19.0	18.0	18.8
White	4.9	5.0	5.3	5.5	5.9	6.2	5.8	6.1	6.2	6.2	6.1	6.0	6.0
Black and other	10.6	11.0	11.1	10.7	10.7	11.1	11.2	11.5	11.4	10.5	11.1	11.0	11.5
Black	11.7	12.2	12.2	12.1	11.8	12.3	12.6	13.0	13.1	11.8	12.3	12.1	12.7
Hispanic origin	8.2	8.6	9.3	9.3	9.5	10.3	9.0	9.7	9.8	9.5	9.9	11.1	10.6
Married men, spouse present	3.5	3.7	3.8	4.0	4.3	4.5	4.4	4.4	4.7	4.3	4.3	4.5	4.2
Married women, spouse present	3.9	4.1	4.1	4.1	4.4	4.8	4.5	4.6	4.7	4.3	4.4	4.5	4.4
Women who maintain families	8.5	8.7	8.7	9.0	9.1	9.0	9.9	9.1	9.2	8.3	9.6	8.9	9.5
Full-time workers	5.5	5.7	5.8	6.0	6.4	6.5	6.3	6.5	6.6	6.5	6.5	6.4	6.6
Part-time workers	7.1	7.3	7.6	7.7	7.6	9.1	8.1	9.0	8.6	8.3	8.2	8.3	8.2
Unemployed 15 weeks and over ¹	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.8	2.0	1.9	1.9	1.9	2.0
Labor force time lost ²	6.6	6.7	6.9	7.0	7.5	7.7	7.6	7.7	7.6	7.5	7.6	7.7	7.7
OCCUPATION³													
Managerial and professional specialty	2.2	2.2	2.2	2.7	2.4	2.7	2.6	3.0	2.8	2.9	2.9	2.8	2.9
Technical, sales, and administrative support	4.4	4.6	4.8	4.5	5.0	5.3	5.2	5.3	5.2	4.9	5.1	5.1	5.1
Precision production, craft, and repair	6.5	6.9	7.0	7.3	7.6	7.6	7.8	8.0	7.8	8.5	8.3	8.0	8.1
Operators, fabricators, and laborers	8.9	9.4	9.6	10.0	11.6	11.2	10.8	10.2	11.5	10.6	10.1	9.7	9.9
Farming, forestry, and fishing	5.5	6.2	6.9	7.6	7.9	9.1	6.5	7.1	7.6	6.7	8.1	8.1	7.7
INDUSTRY													
Nonagricultural private wage and salary workers	5.9	6.2	6.3	6.4	6.9	7.2	7.0	7.2	7.4	7.1	7.0	6.9	7.0
Goods-producing industries	7.3	7.9	8.1	8.2	9.1	9.0	9.2	9.0	9.7	9.1	8.9	8.7	9.0
Mining	4.1	4.7	5.8	7.5	6.0	7.1	7.5	6.4	8.5	8.7	7.5	11.1	7.5
Construction	13.0	13.3	14.0	14.5	15.5	14.1	15.0	14.7	15.6	16.7	15.1	15.7	16.2
Manufacturing	5.8	6.5	6.5	6.4	7.4	7.6	7.6	7.4	8.2	7.0	7.2	6.6	7.0
Durable goods	5.9	6.9	6.6	6.8	8.1	8.2	8.3	7.7	8.4	7.1	7.4	6.7	7.5
Nondurable goods	5.7	5.9	6.4	5.9	6.5	6.8	6.6	7.0	7.9	6.9	6.9	6.6	6.3
Service-producing industries	5.3	5.4	5.4	5.6	5.9	6.4	6.0	6.4	6.3	6.2	6.2	6.2	6.1
Transportation and public utilities	4.1	4.1	4.2	4.4	5.3	5.5	5.4	5.5	5.4	5.1	5.1	4.7	4.9
Wholesale and retail trade	6.7	6.7	6.6	7.0	7.4	7.9	7.3	7.7	7.6	8.1	7.6	7.8	7.8
Finance and service industries	4.5	4.7	4.8	4.9	5.0	5.6	5.2	5.7	5.7	5.1	5.5	5.3	5.3
Government workers	2.8	2.8	2.7	3.0	3.2	3.7	3.2	3.2	2.8	2.8	3.3	3.4	3.6
Agricultural wage and salary workers	8.5	9.8	12.3	11.9	11.5	13.8	9.9	11.2	12.2	11.5	11.9	10.9	12.0

¹ Unemployment as a percent of the civilian labor force.

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

³ 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
DURATION													
Less than 5 weeks	3,139	3,277	3,280	3,410	3,473	3,515	3,287	3,654	3,427	3,368	3,385	3,322	3,266
5 to 14 weeks	2,391	2,334	2,518	2,490	2,736	2,904	2,745	2,717	2,862	2,722	2,602	2,832	2,784
15 weeks and over	1,591	1,727	1,739	1,829	1,975	2,184	2,229	2,234	2,573	2,348	2,396	2,362	2,537
15 to 26 weeks	893	938	940	981	1,053	1,236	1,226	1,206	1,411	1,215	1,221	1,224	1,410
27 weeks and over	698	789	799	848	921	947	1,003	1,028	1,162	1,132	1,175	1,138	1,127
Average (mean) duration, in weeks	12.0	12.4	12.4	12.4	12.8	13.0	13.7	12.9	14.2	13.9	14.0	14.0	14.3
Median duration, in weeks	5.9	5.9	5.9	5.9	6.1	6.6	7.0	6.5	6.9	6.6	7.2	7.5	7.4
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	44.1	44.7	43.5	44.1	42.4	40.9	39.8	42.5	38.7	39.9	40.4	39.0	38.0
5 to 14 weeks	33.6	31.8	33.4	32.2	33.4	33.8	33.2	31.6	32.3	32.3	31.0	33.3	32.4
15 weeks and over	22.3	23.5	23.1	23.7	24.1	25.4	27.0	26.0	29.0	27.8	28.6	27.7	29.5
15 to 26 weeks	12.5	12.8	12.5	12.7	12.9	14.4	14.8	14.0	15.9	14.4	14.6	14.4	16.4
27 weeks and over	9.8	10.8	10.6	11.0	11.3	11.0	12.1	11.9	13.1	13.4	14.0	13.4	13.1

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

(Numbers in thousands)

Reasons for unemployment	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
NUMBER OF UNEMPLOYED													
Job losers	3,563	3,756	3,797	4,068	4,515	4,703	4,528	4,657	4,869	4,596	4,665	4,801	4,722
On layoff	1,056	1,136	1,150	1,131	1,485	1,430	1,370	1,343	1,389	1,188	1,281	1,129	1,194
Other job losers	2,507	2,620	2,647	2,938	3,031	3,273	3,158	3,314	3,481	3,408	3,384	3,672	3,527
Job leavers	981	996	1,024	899	989	1,080	987	1,053	1,090	990	883	929	989
Reentrants	1,911	1,926	2,128	2,044	1,994	2,090	2,053	2,202	2,143	2,047	2,112	2,017	2,091
New entrants	684	655	662	672	633	699	741	779	741	821	762	782	828
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.9	51.2	49.9	53.0	55.5	54.9	54.5	53.6	55.1	54.4	55.4	56.3	54.7
On layoff	14.8	15.5	15.1	14.7	18.3	16.7	16.5	15.5	15.7	14.1	15.2	13.2	13.8
Other job losers	35.1	35.7	34.8	38.2	37.3	38.2	38.0	38.1	39.4	40.3	40.2	43.1	40.9
Job leavers	13.7	13.6	13.5	11.7	12.2	12.6	11.9	12.1	12.3	11.7	10.5	10.9	11.5
Reentrants	26.8	26.3	28.0	26.6	24.5	24.4	24.7	25.3	24.2	24.2	25.1	23.6	24.2
New entrants	9.6	8.9	8.7	8.7	7.8	8.2	8.9	9.0	8.4	9.7	9.0	9.2	9.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.9	3.0	3.0	3.3	3.6	3.8	3.6	3.7	3.9	3.7	3.7	3.8	3.8
Job leavers .....	.8	.8	.8	.7	.8	.9	.8	.8	.9	.8	.7	.7	.8
Reentrants	1.5	1.5	1.7	1.6	1.6	1.7	1.6	1.8	1.7	1.6	1.7	1.6	1.7
New entrants .....	.5	.5	.5	.5	.5	.6	.6	.6	.6	.7	.6	.6	.7

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonfarm payrolls by detailed industry

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Total		110,478	110,721	108,687	109,372	109,740	-	-	-	-	-
Total private		92,412	92,128	91,416	91,225	91,083	74,944	74,709	74,074	73,895	73,782
Mining		720	718	704	693	688	519	519	500	492	489
Metal mining	10	58.6	58.4	60.1	59.2	-	45.8	45.5	47.4	46.6	-
Iron ores	101	7.3	7.3	9.1	9.0	-	5.3	5.3	7.1	7.0	-
Copper ores	102	15.3	15.3	16.0	15.9	-	12.5	12.5	13.1	13.1	-
Coal mining	12	148.5	147.2	137.9	137.1	-	119.9	118.7	111.6	111.2	-
Bituminous coal and lignite mining	122	138.7	137.4	128.3	127.5	-	112.0	110.8	103.8	103.4	-
Oil and gas extraction	13	398.2	399.1	394.6	386.4	384.9	265.1	268.3	257.6	251.7	-
Crude petroleum and natural gas	131	191.5	187.8	193.7	190.5	-	93.7	92.9	97.1	95.7	-
Oil and gas field services	138	202.6	206.9	196.2	191.1	-	168.2	172.1	157.3	152.8	-
Nonmetallic minerals, except fuels	14	115.1	113.4	111.4	109.9	-	87.9	86.4	83.7	82.7	-
Crushed and broken stone	142	42.9	42.2	41.7	41.0	-	33.5	32.9	32.0	31.5	-
Sand and gravel	144	35.8	35.0	34.1	33.7	-	-	-	-	-	-
Chemical and fertilizer minerals	147	16.4	16.5	16.3	16.1	-	-	-	-	-	-
Construction		5,359	5,252	5,001	4,946	4,883	4,199	4,101	3,879	3,833	3,777
General building contractors	15	1,346.7	1,316.4	1,234.2	1,209.3	1,191.9	980.2	953.0	891.1	870.3	-
Residential building construction	152	664.5	649.7	614.5	603.5	-	466.6	453.9	428.5	419.7	-
Operative builders	153	38.1	37.1	32.8	33.0	-	15.9	15.3	13.7	14.5	-
Nonresidential building construction	154	644.1	629.6	586.9	572.8	-	497.7	483.8	448.9	436.1	-
Heavy construction, except building	16	833.3	823.7	768.2	778.6	-	705.4	695.1	645.2	655.8	-
Highway and street construction	161	288.4	280.3	273.4	270.0	-	245.7	237.5	231.1	227.9	-
Heavy construction, except highway	162	544.9	543.4	494.8	508.6	-	459.7	457.6	414.1	427.9	-
Special trade contractors	17	3,178.7	3,112.3	2,999.0	2,957.6	-	2,513.2	2,452.4	2,342.2	2,306.5	-
Plumbing, heating, and air conditioning	171	665.2	658.7	630.5	620.6	-	492.0	485.5	460.7	452.6	-
Painting and paper hanging	172	187.7	184.8	181.4	174.7	-	157.6	154.8	151.1	144.3	-
Electrical work	173	566.2	562.3	543.5	541.1	-	442.1	438.2	417.5	416.5	-
Masonry, stonework, and plastering	174	512.2	492.7	467.2	460.5	-	440.3	423.5	399.6	393.3	-
Carpentry and floor work	175	196.4	190.9	182.5	177.2	-	148.1	143.0	137.2	133.0	-
Roofing, siding, and sheet metal work	176	223.8	219.0	215.0	212.7	-	180.9	175.8	171.8	170.1	-
Manufacturing		19,198	19,092	18,550	18,559	18,499	13,071	12,984	12,579	12,606	12,571
Durable goods		11,103	11,050	10,563	10,580	10,546	7,379	7,340	6,983	7,011	6,993
Lumber and wood products	24	751.2	737.2	717.5	713.3	704.7	620.2	606.2	590.3	587.4	579.6
Logging	241	89.6	88.3	85.7	85.2	-	74.7	73.2	71.1	71.1	-
Sawmills and planing mills	242	200.6	197.3	193.1	191.9	-	174.9	171.5	167.2	166.6	-
Sawmills and planing mills, general	2421	161.8	159.1	155.5	154.1	-	140.6	138.0	134.3	133.3	-
Hardwood dimension and flooring mills	2426	35.8	35.3	34.8	35.0	-	31.7	31.0	30.6	30.9	-
Millwork, plywood, and structural members	243	266.3	259.4	251.7	249.3	-	214.8	208.1	202.1	199.9	-
Millwork	2431	108.4	105.9	105.1	103.4	-	84.6	82.2	82.1	80.5	-
Wood kitchen cabinets	2434	74.3	72.6	68.0	67.6	-	59.8	58.0	53.7	53.4	-
Hardwood veneer and plywood	2435	23.7	23.3	21.9	22.0	-	20.4	20.0	18.9	18.9	-
Softwood veneer and plywood	2436	32.4	31.5	30.7	30.9	-	29.0	28.2	27.5	27.7	-
Wood containers	244	46.2	45.5	44.6	44.5	-	39.2	38.2	37.7	37.6	-
Wood buildings and mobile homes	245	63.1	62.1	61.0	60.9	-	47.6	46.9	46.4	46.3	-
Mobile homes	2451	43.9	43.2	42.8	42.7	-	35.7	35.1	34.4	34.3	-
Miscellaneous wood products	249	85.4	84.6	81.4	81.5	-	69.0	68.3	65.8	65.9	-
Furniture and fixtures	25	509.8	509.5	481.1	483.6	484.9	402.8	401.9	378.3	381.0	382.6
Household furniture	251	289.6	289.7	273.4	276.0	-	241.4	241.3	226.8	229.2	-
Wood household furniture	2511	127.7	126.8	121.0	121.9	-	109.6	108.7	103.5	104.4	-
Upholstered household furniture	2512	97.1	97.2	92.5	93.4	-	81.0	81.0	76.5	77.3	-
Metal household furniture	2514	22.7	23.7	20.2	20.6	-	17.7	18.7	15.5	15.9	-
Mattresses and bedsprings	2515	29.0	28.7	28.3	28.5	-	22.2	21.8	21.8	21.9	-

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 ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p
Durable goods—Continued											
Furniture and fixtures—Continued											
Office furniture	252	69.2	68.8	62.3	62.6	-	51.7	51.2	45.9	46.4	-
Public building and related furniture	253	32.9	32.8	31.3	31.7	-	25.5	25.5	24.6	24.9	-
Partitions and fixtures	254	80.9	81.2	79.4	78.9	-	58.8	58.9	58.0	57.5	-
Miscellaneous furniture and fixtures	259	37.2	37.0	34.7	34.4	-	25.4	25.0	23.0	23.0	-
Stone, clay, and glass products	32	561.8	556.6	532.5	531.2	529.6	437.8	433.3	412.5	411.9	410.9
Flat glass	321	16.8	16.6	15.6	15.7	-	13.2	13.1	12.4	12.6	-
Glass and glassware, pressed or blown	322	82.4	82.1	81.4	81.8	-	71.0	70.8	70.4	70.8	-
Glass containers	3221	39.5	39.3	38.8	38.6	-	35.8	35.6	35.1	34.9	-
Pressed and blown glass, nec	3229	42.9	42.8	42.6	43.2	-	35.2	35.2	35.3	35.9	-
Products of purchased glass	323	61.4	60.9	57.4	58.1	-	47.0	46.5	43.3	43.9	-
Cement, hydraulic	324	18.1	18.0	18.4	18.0	-	13.9	13.9	14.1	13.7	-
Structural clay products	325	35.9	35.3	32.6	32.5	-	27.7	27.1	25.0	24.9	-
Pottery and related products	326	38.1	38.1	36.4	36.5	-	30.0	30.1	28.4	28.6	-
Concrete, gypsum, and plaster products	327	211.7	208.5	199.6	198.2	-	162.6	159.7	151.7	150.5	-
Concrete block and brick	3271	20.3	19.8	19.0	18.6	-	13.2	12.8	12.0	11.9	-
Concrete products, nec	3272	72.3	71.2	67.4	66.8	-	54.8	53.8	51.0	50.2	-
Ready-mixed concrete	3273	100.6	99.1	95.9	95.5	-	80.4	78.9	75.4	75.1	-
Misc. nonmetallic mineral products	329	81.3	81.2	76.7	76.3	-	60.2	60.2	56.8	56.7	-
Abrasive products	3291	21.1	21.2	20.4	20.5	-	15.0	15.1	15.0	15.1	-
Asbestos products	3292	6.7	6.6	6.0	5.8	-	5.1	5.0	4.6	4.4	-
Mineral wool	3296	23.6	23.6	22.3	22.1	-	-	-	-	-	-
Primary metal industries	33	756.5	753.7	722.5	720.9	715.6	575.1	572.2	544.8	544.7	539.6
Blast furnaces and basic steel products	331	275.2	274.2	261.4	260.3	257.1	211.1	209.8	198.8	198.2	194.6
Blast furnaces and steel mills	3312	207.4	206.5	196.5	195.8	-	160.8	159.7	150.8	150.4	-
Steel pipe and tubes	3317	25.6	25.4	24.7	24.2	-	18.9	18.7	18.0	17.7	-
Iron and steel foundries	332	133.1	132.7	126.0	125.2	-	106.0	105.6	99.5	99.2	-
Gray and ductile iron foundries	3321	80.6	80.4	76.5	76.3	-	65.6	65.4	61.6	61.7	-
Malleable iron foundries	3322	8.9	8.8	8.1	8.2	-	6.6	6.5	6.1	6.3	-
Steel foundries, nec	3325	28.0	27.8	26.1	25.6	-	21.9	21.7	20.2	19.8	-
Primary nonferrous metals	333	46.4	46.4	45.3	44.8	-	34.3	34.3	34.4	34.0	-
Primary aluminum	3334	26.3	26.3	26.0	25.6	-	20.1	20.2	20.9	20.5	-
Nonferrous rolling and drawing	335	172.9	171.7	167.8	167.6	-	125.1	123.9	119.5	120.0	-
Copper rolling and drawing	3351	23.1	22.8	22.1	22.3	-	17.8	17.4	16.8	17.1	-
Aluminum sheet, plate, and foil	3353	28.8	28.6	28.0	27.9	-	19.5	19.3	18.6	18.5	-
Nonferrous wire drawing and insulating	3357	72.6	72.4	71.0	70.9	-	53.2	53.2	51.1	51.4	-
Nonferrous foundries (castings)	336	83.8	83.9	80.5	81.0	-	65.8	66.1	62.9	63.1	-
Aluminum foundries	3365	24.9	24.8	23.5	23.2	-	19.7	19.7	18.3	18.1	-
Fabricated metal products	34	1,429.0	1,424.1	1,358.3	1,366.2	1,364.0	1,054.3	1,051.4	992.7	1,003.6	1,001.9
Metal cans and shipping containers	341	49.8	48.9	49.2	48.7	-	42.8	42.0	42.4	42.1	-
Metal cans	3411	40.4	39.8	40.3	39.7	-	35.2	34.7	35.2	34.8	-
Cutlery, handtools, and hardware	342	130.3	129.8	120.8	122.6	-	95.5	95.2	88.1	90.3	-
Hand and edge tools, and blades and handsaws	3423,5	44.7	44.4	41.3	42.4	-	32.6	32.5	29.8	30.9	-
Hardware, nec	3429	73.8	73.7	68.4	69.1	-	54.8	54.7	50.7	51.8	-
Plumbing and heating, except electric	343	60.5	60.4	57.8	58.3	-	43.7	43.6	41.2	41.8	-
Plumbing fixture fittings and trim	3432	25.8	25.6	24.9	24.9	-	19.3	19.1	18.9	18.8	-
Heating equipment, except electric	3433	20.9	20.8	19.5	19.7	-	14.1	14.0	12.8	13.1	-
Fabricated structural metal products	344	430.9	428.7	412.9	412.0	-	306.4	304.7	291.3	291.2	-
Fabricated structural metal	3441	79.9	79.3	72.9	72.6	-	57.5	57.2	52.0	51.9	-
Metal doors, sash, and trim	3442	78.1	76.4	75.1	74.4	-	56.9	55.4	53.9	53.4	-
Fabricated plate work (boiler shops)	3443	107.1	107.4	104.8	105.2	-	71.7	71.9	70.4	70.8	-
Sheet metal work	3444	95.7	95.4	94.6	94.2	-	72.2	72.0	71.4	71.3	-
Architectural metal work	3446	29.2	29.1	26.6	26.7	-	20.6	20.5	18.4	18.5	-
Screw machine products, bolts, etc	345	95.6	95.3	90.3	90.5	-	73.3	73.2	68.7	69.1	-
Screw machine products	3451	45.8	45.7	42.9	43.2	-	37.3	37.2	34.5	35.0	-
Bolts, nuts, rivets, and washers	3452	49.8	49.6	47.4	47.3	-	36.0	36.0	34.2	34.1	-
Metal forgings and stampings	346	230.7	230.1	213.9	218.6	-	183.7	183.1	167.8	172.8	-
Iron and steel forgings	3462	33.4	32.9	31.3	31.8	-	25.6	25.1	23.6	24.1	-
Automotive stampings	3465	105.4	105.2	94.3	97.8	-	88.4	88.4	78.3	82.2	-
Metal stampings, nec	3469	80.2	80.3	77.5	78.1	-	60.9	60.8	58.4	58.9	-

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 ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Fabricated metal products—Continued											
Metal services, nec	347	120.7	121.1	115.7	116.6	-	94.0	94.3	89.0	90.1	-
Plating and polishing	3471	75.9	76.3	71.7	71.9	-	59.4	59.7	55.1	55.4	-
Metal coating and allied services	3479	44.8	44.8	44.0	44.7	-	34.6	34.6	33.9	34.7	-
Ordnance and accessories, nec	348	73.7	73.4	69.8	69.7	-	45.8	45.9	42.7	42.6	-
Ammunition, except for small arms, nec	3483	44.4	44.3	41.4	41.3	-	24.8	25.0	22.6	22.4	-
Miscellaneous fabricated metal products	349	236.8	236.4	227.9	229.2	-	169.1	169.4	161.5	163.6	-
Valves and pipe fittings, nec	3494	28.3	28.0	27.5	27.5	-	18.5	18.5	18.8	19.0	-
Misc. fabricated wire products	3496	52.8	53.1	50.5	50.5	-	39.5	39.7	37.5	37.6	-
Industrial machinery and equipment	35	2,071.6	2,069.8	1,972.2	1,972.1	1,967.2	1,242.0	1,240.3	1,170.0	1,172.3	1,172.6
Engines and turbines	351	89.8	89.9	86.8	88.9	-	58.7	58.5	54.2	55.9	-
Turbines and turbine generator sets	3511	27.1	27.3	29.1	29.3	-	16.0	16.1	17.1	17.4	-
Internal combustion engines, nec	3519	62.7	62.6	57.7	59.6	-	42.7	42.4	37.1	38.5	-
Farm and garden machinery	352	101.2	104.3	97.1	97.6	-	72.7	75.6	69.7	70.3	-
Farm machinery and equipment	3523	78.8	78.6	73.3	73.1	-	56.5	56.4	52.3	52.2	-
Construction and related machinery	353	227.8	226.5	211.8	212.4	-	139.8	138.6	126.7	127.9	-
Construction machinery	3531	85.4	84.0	74.5	76.8	-	52.2	50.9	44.1	46.2	-
Mining machinery	3532	18.1	18.1	15.9	15.9	-	11.3	11.2	9.1	9.1	-
Oil and gas field machinery	3533	43.0	43.3	44.0	43.4	-	26.8	27.1	27.6	27.4	-
Conveyors and conveying equipment	3535	33.8	33.9	32.5	32.3	-	18.8	18.9	18.1	17.8	-
Industrial trucks and tractors	3537	27.5	27.3	26.1	25.7	-	18.4	18.3	16.9	16.7	-
Metalworking machinery	354	328.2	327.4	307.8	308.6	-	235.3	234.6	216.0	217.3	-
Machine tools, metal cutting types	3541	45.4	44.8	42.5	42.5	-	29.0	28.7	26.4	26.3	-
Machine tools, metal forming types	3542	17.8	17.8	16.3	16.1	-	11.0	11.1	9.9	9.9	-
Special dies, tools, jigs, and fixtures	3544	147.6	147.6	139.1	139.9	-	114.9	114.6	105.4	106.5	-
Machine tool accessories	3545	55.2	55.2	50.5	50.7	-	39.0	38.9	35.2	35.4	-
Power driven handtools	3546	21.5	21.3	20.5	20.5	-	15.0	14.8	14.1	14.2	-
Special industry machinery	355	158.1	157.3	146.9	146.8	-	93.6	92.8	83.7	83.7	-
Textile machinery	3552	17.9	17.8	16.8	16.9	-	11.8	11.8	11.0	11.2	-
Printing trades machinery	3555	25.5	25.3	24.0	23.9	-	14.2	13.7	12.1	12.0	-
Food products machinery	3556	23.1	22.8	21.1	21.0	-	13.8	13.7	12.2	12.1	-
General industrial machinery	356	247.1	246.3	238.6	238.7	-	157.0	156.5	150.8	151.3	-
Pumps and pumping equipment	3561	31.6	31.6	30.8	30.7	-	18.1	18.1	17.4	17.4	-
Ball and roller bearings	3562	43.1	43.1	40.3	40.6	-	33.3	33.4	31.4	31.8	-
Air and gas compressors	3563	26.0	25.7	25.7	25.4	-	14.3	14.1	13.9	13.7	-
Blowers and fans	3564	32.3	31.8	31.6	31.7	-	21.7	21.2	21.5	21.6	-
Speed changers, drives, and gears	3566	16.4	16.4	15.3	15.2	-	11.5	11.5	10.5	10.5	-
Power transmission equipment, nec	3568	19.3	19.2	18.3	18.6	-	12.8	12.8	11.9	12.2	-
Computer and office equipment	357	434.1	433.4	417.5	414.5	-	134.9	134.6	135.6	134.2	-
Electronic computers	3571	277.2	275.7	262.4	260.1	-	70.0	69.9	67.1	65.7	-
Computer terminals, calculators, and office machines, nec	3575,8,9	64.2	64.4	64.1	63.9	-	20.3	20.4	26.3	26.3	-
Refrigeration and service machinery	358	170.9	170.2	167.1	166.7	-	119.3	118.6	115.5	114.4	-
Refrigeration and heating equipment	3585	116.0	116.0	115.0	114.6	-	83.8	83.6	82.6	81.4	-
Misc. industrial and commercial machinery	359	314.4	314.5	298.6	297.9	-	230.7	230.5	217.8	217.3	-
Carburetors, pistons, rings, valves	3592	22.9	22.7	21.4	21.5	-	18.7	18.5	17.5	17.5	-
Scales, balances, and industrial machinery, nec	3596,9	244.2	244.5	233.5	233.3	-	184.7	184.7	174.8	174.6	-
Electronic and other electrical equipment	36	1,660.2	1,655.0	1,586.9	1,583.3	1,581.6	1,046.1	1,043.9	1,002.5	1,000.8	1,002.1
Electric distribution equipment	361	96.3	95.8	91.7	91.3	-	67.0	66.9	63.2	62.8	-
Transformers, except electronic	3612	48.5	48.1	46.5	46.5	-	34.1	34.0	32.9	32.7	-
Switchgear and switchboard apparatus	3613	47.8	47.7	45.2	44.8	-	32.9	32.9	30.3	30.1	-
Electrical industrial apparatus	362	166.9	165.7	160.6	159.5	-	117.0	115.9	112.1	111.4	-
Motors and generators	3621	82.3	81.2	78.6	77.8	-	63.8	62.7	60.4	59.9	-
Relays and industrial controls	3625	64.6	64.6	63.0	62.6	-	39.5	39.5	38.8	38.5	-
Household appliances	363	123.7	122.7	122.4	121.8	-	98.9	97.7	97.9	96.9	-
Household refrigerators and freezers	3632	28.1	28.2	29.0	28.0	-	23.0	21.4	23.7	22.5	-
Household laundry equipment	3633	20.6	20.4	20.5	20.2	-	16.0	15.8	16.0	15.7	-
Electric housewares and fans	3634	32.0	32.9	32.6	33.8	-	24.7	25.3	25.2	26.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Electronic and other electrical equipment—Continued											
Electric lighting and wiring equipment	364	187.5	188.6	174.9	177.1	-	135.0	135.9	126.2	127.7	-
Electric lamps	3641	24.1	23.8	21.8	22.4	-	20.4	20.2	18.2	18.7	-
Current-carrying wiring devices	3643	72.1	72.7	68.5	68.3	-	47.2	48.1	45.5	45.4	-
Noncurrent-carrying wiring devices	3644	16.7	16.9	15.5	15.6	-	12.1	12.1	11.1	11.1	-
Residential lighting fixtures	3645	24.2	24.6	21.0	21.4	-	17.8	18.1	15.8	16.2	-
Household audio and video equipment	365	83.4	83.1	79.2	80.1	-	57.5	57.0	53.4	54.5	-
Household audio and video equipment	3651	62.1	61.6	59.9	60.4	-	40.9	40.3	38.8	39.6	-
Communications equipment	366	260.2	258.3	247.5	246.2	-	130.0	130.0	125.8	125.4	-
Telephone and telegraph apparatus	3661	126.1	125.5	121.9	121.6	-	66.9	67.1	66.9	67.0	-
Electronic components and accessories	367	575.0	573.5	547.7	542.9	-	325.3	324.6	311.8	307.9	-
Electron tubes	3671	31.5	31.1	27.7	27.9	-	20.7	20.3	18.4	18.6	-
Semiconductors and related devices	3674	236.4	235.7	229.7	226.9	-	92.4	92.4	92.5	89.8	-
Electronic components, nec	3679	138.2	138.4	132.6	131.4	-	86.9	87.4	85.4	84.4	-
Misc. electrical equipment and supplies	369	167.2	167.3	162.9	164.4	-	115.4	115.9	112.1	114.2	-
Storage batteries	3691	30.8	31.0	30.8	31.1	-	23.8	24.0	23.8	24.2	-
Engine electrical equipment	3694	69.7	69.5	67.9	68.7	-	52.8	52.7	51.2	52.4	-
Transportation equipment	37	1,983.2	1,966.9	1,856.5	1,872.8	1,860.0	1,227.3	1,220.9	1,154.2	1,170.2	1,160.6
Motor vehicles and equipment	371	822.0	815.1	790.2	807.4	798.1	626.9	622.9	606.2	621.4	613.8
Motor vehicles and car bodies	3711	332.2	329.9	320.4	327.6	-	241.8	240.8	237.5	243.7	-
Truck and bus bodies	3713	40.7	39.3	37.6	37.4	-	31.8	30.6	28.6	28.4	-
Motor vehicle parts and accessories	3714	404.6	403.5	387.6	398.1	-	319.7	319.5	305.7	315.3	-
Truck trailers	3715	27.0	26.5	24.8	24.8	-	21.0	20.6	19.3	19.1	-
Aircraft and parts	372	700.6	694.6	641.7	641.5	-	339.9	339.3	308.8	309.7	-
Aircraft	3721	371.4	366.3	340.4	340.2	-	159.7	158.8	144.2	144.0	-
Aircraft engines and engine parts	3724	151.0	150.7	137.8	138.7	-	76.9	77.4	69.6	70.9	-
Aircraft parts and equipment, nec	3728	178.2	177.6	163.5	162.6	-	103.3	103.1	95.0	94.8	-
Ship and boat building and repairing	373	186.4	185.4	173.7	174.6	-	141.0	140.8	134.3	135.4	-
Ship building and repairing	3731	131.8	132.5	125.6	125.9	-	96.2	97.4	94.9	95.2	-
Boat building and repairing	3732	54.6	52.9	48.1	48.7	-	44.8	43.4	39.4	40.2	-
Railroad equipment	374	33.8	32.9	30.4	30.6	-	24.9	24.2	22.2	22.4	-
Guided missiles, space vehicles, and parts	376	182.8	182.0	166.4	165.2	-	56.2	56.1	46.8	46.1	-
Guided missiles and space vehicles	3761	131.9	131.4	119.9	119.1	-	36.8	36.8	31.9	31.3	-
Miscellaneous transportation equipment	379	44.7	44.2	41.5	40.9	-	29.2	28.8	26.9	26.2	-
Travel trailers and campers	3792	16.6	16.2	16.0	15.8	-	12.8	12.5	12.7	12.4	-
Instruments and related products	38	996.9	994.1	967.6	965.9	961.8	494.1	491.5	472.6	470.5	470.4
Search and navigation equipment	381	279.8	277.5	258.5	257.1	-	90.7	89.6	80.7	80.3	-
Measuring and controlling devices	382	320.3	319.4	306.0	305.5	-	179.2	178.0	165.9	164.7	-
Environmental controls	3822	48.3	48.1	44.8	44.8	-	32.9	32.6	29.9	30.1	-
Process control instruments	3823	67.5	67.2	64.3	63.9	-	35.2	34.8	32.7	32.4	-
Instruments to measure electricity	3825	89.8	89.1	86.1	86.2	-	45.6	44.9	43.3	43.0	-
Medical instruments and supplies	384	245.3	245.1	253.9	254.2	-	144.1	143.6	147.2	147.1	-
Surgical and medical instruments	3841	100.5	100.3	105.2	105.5	-	58.8	58.6	62.8	62.6	-
Surgical appliances and supplies	3842	93.6	93.6	96.6	96.6	-	58.9	59.1	61.5	61.7	-
Ophthalmic goods	385	41.4	41.6	39.4	39.2	-	28.7	28.8	27.2	26.9	-
Photographic equipment and supplies	386	99.1	99.3	100.2	100.0	-	42.8	42.9	43.9	43.5	-
Watches, clocks, watchcases, and parts	387	11.0	11.2	9.6	9.9	-	8.6	8.6	7.7	8.0	-
Miscellaneous manufacturing industries	39	382.3	383.5	367.7	371.0	376.1	278.8	278.7	265.5	268.5	272.8
Jewelry, silverware, and plated ware	391	54.0	55.0	51.7	52.9	-	38.6	39.5	37.0	38.1	-
Jewelry, precious metal	3911	39.6	40.6	37.7	38.6	-	28.1	29.0	26.9	27.7	-
Musical instruments	393	12.6	12.5	11.9	12.1	-	10.2	10.2	9.7	9.8	-
Toys and sporting goods	394	105.5	106.2	103.7	105.5	-	78.0	77.8	75.3	76.7	-
Dolls, games, toys, and children's vehicles	3942,4	45.1	45.1	44.5	45.7	-	32.9	32.3	31.9	32.7	-
Sporting and athletic goods, nec	3949	60.4	61.1	59.2	59.8	-	45.1	45.5	43.4	44.0	-
Pens, pencils, office, and art supplies	395	33.4	33.0	32.0	32.1	-	23.3	22.9	22.6	22.7	-
Costume jewelry and notions	396	33.9	34.2	31.1	31.6	-	25.2	25.4	22.3	22.8	-
Costume jewelry	3961	21.9	22.2	19.4	20.1	-	16.0	16.2	13.6	14.0	-
Miscellaneous manufactures	399	142.9	142.6	137.3	136.8	-	103.5	102.9	98.6	98.4	-
Signs and advertising specialties	3993	56.9	57.0	53.4	53.5	-	39.9	39.9	36.6	36.7	-

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 ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods		8,095	8,042	7,987	7,979	7,953	5,692	5,644	5,596	5,595	5,578
Food and kindred products	20	1,752.5	1,719.6	1,765.7	1,758.8	1,722.4	1,281.2	1,250.8	1,295.8	1,293.4	1,260.1
Meat products	201	430.0	431.8	440.1	440.8	-	367.1	369.0	375.7	376.5	-
Meat packing plants	2011	139.8	139.7	142.7	144.0	-	118.6	118.8	121.9	122.8	-
Sausages and other prepared meats	2013	88.5	88.4	88.5	87.7	-	66.6	66.3	66.8	66.3	-
Poultry slaughtering and processing	2015	201.7	203.7	208.9	209.1	-	181.9	183.9	187.0	187.4	-
Dairy products	202	154.4	153.5	155.1	151.8	-	94.5	93.6	96.3	93.2	-
Cheese, natural and processed	2022	41.0	41.1	41.1	40.2	-	31.6	31.8	31.9	30.9	-
Fluid milk	2026	73.7	73.9	72.4	72.1	-	36.9	36.6	36.2	35.9	-
Preserved fruits and vegetables	203	315.8	271.9	319.9	316.4	-	272.5	230.5	277.0	274.3	-
Canned specialties	2032	24.0	23.3	23.1	23.1	-	19.5	19.0	19.1	19.1	-
Canned fruits and vegetables	2033	143.6	105.1	144.2	141.3	-	129.2	91.9	129.4	126.6	-
Frozen fruits and vegetables	2037	58.6	54.5	56.6	56.8	-	51.2	47.8	50.3	50.7	-
Grain mill products	204	128.5	129.0	127.7	128.7	-	89.4	90.4	89.9	91.0	-
Flour and other grain mill products	2041	22.3	22.4	22.3	22.6	-	14.3	14.4	14.7	15.0	-
Prepared feeds, nec	2048	44.5	44.9	43.6	43.9	-	28.3	28.8	27.7	27.9	-
Bakery products	205	213.4	215.4	211.4	211.1	-	134.5	136.1	133.9	134.0	-
Bread, cake, and related products	2051	154.0	154.1	151.5	151.2	-	88.5	88.6	87.9	87.9	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	59.4	61.3	59.9	59.9	-	46.0	47.5	46.0	46.1	-
Sugar and confectionery products	206	105.1	114.2	105.2	110.7	-	83.9	92.6	81.5	87.4	-
Raw cane sugar	2061	6.6	6.9	6.7	7.1	-	4.8	5.1	4.9	5.3	-
Cane sugar refining	2062	5.4	5.4	5.4	5.4	-	4.0	3.9	4.0	3.9	-
Beet sugar	2063	10.1	15.4	7.8	10.7	-	8.6	13.7	6.1	9.1	-
Candy and other confectionery products	2064	53.0	56.0	55.8	57.6	-	44.5	47.4	45.3	47.4	-
Fats and oils	207	30.8	31.4	31.2	31.2	-	21.8	22.3	20.6	20.7	-
Beverages	208	188.8	186.2	186.3	184.7	-	79.4	78.2	78.6	79.2	-
Malt beverages	2082	39.4	39.2	38.8	38.8	-	23.3	23.1	22.9	23.1	-
Bottled and canned soft drinks	2086	104.0	102.7	104.6	102.2	-	33.6	33.4	35.5	34.7	-
Misc. food and kindred products	209	185.7	186.2	188.8	183.4	-	138.1	138.1	142.3	137.1	-
Tobacco products	21	51.8	51.6	50.0	50.8	50.2	38.7	38.4	37.5	38.1	37.6
Cigarettes	211	35.2	35.2	35.0	34.8	-	26.0	26.0	26.1	25.7	-
Textile mill products	22	690.4	681.4	673.5	675.0	675.0	592.1	582.7	577.4	578.8	579.0
Broadwoven fabric mills, cotton	221	89.9	89.5	87.7	88.2	-	80.1	79.6	78.1	78.5	-
Broadwoven fabric mills, synthetics	222	76.8	76.8	73.9	73.8	-	67.3	67.2	64.8	64.7	-
Broadwoven fabric mills, wool	223	17.7	17.4	17.5	17.5	-	14.2	14.1	14.4	14.5	-
Narrow fabric mills	224	24.2	24.3	24.4	24.4	-	20.5	20.7	20.6	20.5	-
Knitting mills	225	206.6	200.3	203.2	202.5	-	180.3	173.7	177.2	176.6	-
Women's hosiery, except socks	2251	31.9	31.8	31.3	30.9	-	28.5	28.4	27.9	27.5	-
Hosiery, nec	2252	38.8	38.5	39.7	39.5	-	34.6	34.2	35.2	35.2	-
Knit outerwear mills	2253	59.6	54.4	56.1	55.8	-	52.2	46.8	49.6	49.3	-
Knit underwear mills	2254	29.1	29.3	28.7	28.8	-	24.8	25.1	24.9	24.9	-
Weft knit fabric mills	2257	26.4	25.7	26.6	26.7	-	23.2	22.3	22.7	22.9	-
Textile finishing, except wool	226	61.3	61.2	61.8	62.3	-	49.7	49.7	50.6	51.0	-
Finishing plants, cotton	2261	24.6	24.5	24.6	24.8	-	19.8	19.8	19.9	20.0	-
Finishing plants, synthetics	2262	23.9	24.0	24.6	24.8	-	19.1	19.2	20.0	20.2	-
Carpets and rugs	227	61.6	61.7	59.5	60.2	-	50.7	50.5	48.5	49.0	-
Yarn and thread mills	228	100.6	99.2	94.6	95.1	-	89.8	88.6	84.2	84.7	-
Yarn spinning mills	2281	79.4	78.3	73.8	74.3	-	71.2	70.2	66.1	66.5	-
Throwing and winding mills	2282	14.2	14.1	14.0	14.0	-	12.4	12.4	12.1	12.2	-
Miscellaneous textile goods	229	51.7	51.0	50.9	51.0	-	39.5	38.6	39.0	39.3	-
Apparel and other textile products	23	1,045.5	1,041.9	1,031.6	1,039.8	1,045.6	875.5	873.1	863.6	870.4	877.2
Men's and boys' suits and coats	231	50.7	49.4	48.4	49.0	-	42.5	41.5	40.3	40.8	-
Men's and boys' furnishings	232	271.9	269.6	276.2	278.5	-	232.7	230.5	236.9	239.2	-
Men's and boys' shirts	2321	63.7	62.7	64.9	65.1	-	53.9	53.1	55.7	56.1	-
Men's and boys' trousers and slacks	2325	80.9	79.8	85.0	85.4	-	70.0	68.8	73.7	74.2	-
Men's and boys' work clothing	2326	43.8	43.8	43.4	44.2	-	37.9	37.9	37.5	38.2	-
Women's and misses' outerwear	233	334.7	333.8	327.0	329.2	-	280.5	280.1	273.8	275.4	-
Women's and misses' blouses and shirts	2331	39.1	39.0	37.6	37.6	-	32.0	32.0	30.9	30.9	-
Women's, juniors', and misses' dresses	2335	69.7	68.8	64.7	64.3	-	57.4	56.4	53.0	52.6	-
Women's and misses' suits and coats	2337	38.9	38.7	40.0	39.6	-	32.7	32.5	34.1	33.7	-
Women's and misses' outerwear, nec	2339	187.0	187.3	184.7	187.7	-	158.4	159.2	155.8	158.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods—Continued											
Apparel and other textile products—Continued											
Women's and children's undergarments	234	62.4	63.1	61.7	62.3	-	51.1	51.7	50.4	51.0	-
Women's and children's underwear	2341	50.6	51.1	50.4	50.9	-	43.2	43.6	42.6	43.1	-
Brassieres, girdles, and allied garments	2342	11.8	12.0	11.3	11.4	-	7.9	8.1	7.8	7.9	-
Girls' and children's outerwear	236	56.5	56.4	56.4	56.7	-	47.4	47.7	48.0	48.4	-
Girls' and children's dresses and blouses	2361	23.6	23.8	23.0	23.0	-	20.4	20.9	20.4	20.5	-
Misc. apparel and accessories	238	44.7	45.0	43.4	43.8	-	36.7	37.1	35.6	35.7	-
Misc. fabricated textile products	239	206.5	206.8	201.3	203.2	-	169.8	169.9	164.4	165.8	-
Curtains and draperies	2391	24.0	23.6	22.3	22.1	-	19.7	19.4	18.3	18.2	-
House furnishings, nec	2392	56.0	56.4	55.0	56.4	-	46.4	46.8	46.2	47.4	-
Automotive and apparel trimmings	2396	49.1	49.0	48.8	48.9	-	40.6	40.4	39.9	39.8	-
Paper and allied products	26	701.8	699.8	697.2	693.0	690.7	526.7	526.0	525.5	522.6	521.7
Paper mills	262	179.1	177.9	179.8	177.4	-	135.3	134.4	136.9	135.0	-
Paperboard mills	263	52.0	51.4	50.5	49.8	-	39.9	39.8	39.1	38.6	-
Paperboard containers and boxes	265	210.9	211.1	209.3	209.5	-	163.1	163.4	162.7	163.0	-
Corrugated and solid fiber boxes	2653	117.9	118.6	118.0	118.1	-	88.5	89.0	88.6	88.8	-
Sanitary food containers	2656	16.1	16.1	16.1	15.9	-	13.5	13.6	13.9	13.7	-
Folding paperboard boxes	2657	50.8	50.7	50.2	49.9	-	40.9	40.9	40.7	40.5	-
Misc. converted paper products	267	245.9	245.6	243.6	242.4	-	177.7	177.8	176.0	175.3	-
Paper, coated and laminated, nec	2672	46.0	46.1	46.4	45.5	-	22.3	22.2	23.0	22.4	-
Bags: plastics, laminated, and coated	2673	35.6	35.6	35.9	35.9	-	26.8	26.9	26.8	26.8	-
Envelopes	2677	26.5	26.5	25.4	25.6	-	20.6	20.6	19.6	19.8	-
Printing and publishing	27	1,568.1	1,570.2	1,526.5	1,523.6	1,524.8	867.8	868.9	839.3	838.0	838.5
Newspapers	271	477.2	477.5	458.7	458.7	-	166.1	166.9	158.9	159.1	-
Periodicals	272	129.0	129.7	125.6	125.0	-	47.8	47.8	44.3	44.0	-
Books	273	118.7	117.4	118.1	117.2	-	62.6	61.0	63.5	62.5	-
Book publishing	2731	83.3	82.8	82.2	82.2	-	33.8	33.0	34.3	33.9	-
Book printing	2732	35.4	34.6	35.9	35.0	-	28.8	28.0	29.2	28.6	-
Miscellaneous publishing	274	81.7	81.9	81.6	81.0	-	41.6	41.8	40.1	39.6	-
Commercial printing	275	550.1	551.7	536.1	535.8	-	400.2	401.6	386.6	387.2	-
Commercial printing, lithographic	2752	365.2	366.9	356.2	355.7	-	265.5	266.9	256.4	256.5	-
Commercial printing, nec	2759	167.2	167.1	162.3	162.4	-	120.5	120.6	116.1	116.5	-
Manifold business forms	276	50.0	50.0	48.2	48.1	-	34.7	34.8	33.5	33.4	-
Blankbooks and bookbinding	278	71.4	71.8	69.7	69.1	-	55.1	55.1	53.2	52.7	-
Printing trade services	279	63.7	63.8	61.6	61.7	-	46.3	46.5	44.6	44.7	-
Chemicals and allied products	28	1,097.2	1,092.7	1,095.9	1,088.6	1,092.0	602.5	598.8	588.5	581.6	587.8
Industrial inorganic chemicals	281	142.2	142.1	138.4	137.8	-	71.7	72.0	67.1	66.0	-
Industrial inorganic chemicals, nec	2819	95.5	95.5	92.4	92.2	-	49.7	49.8	45.9	45.1	-
Plastics materials and synthetics	282	179.9	179.8	178.9	178.1	-	114.8	114.3	110.3	109.5	-
Plastics materials and resins	2821	85.9	85.8	86.1	85.7	-	50.4	50.2	50.7	50.4	-
Organic fibers, noncellulosic	2824	63.8	63.9	62.2	61.9	-	43.7	43.5	39.9	39.6	-
Drugs	283	238.2	238.7	249.9	247.9	-	105.2	105.4	109.0	107.3	-
Pharmaceutical preparations	2834	197.8	197.9	205.9	204.3	-	88.6	89.1	92.6	91.0	-
Soap, cleaners, and toilet goods	284	163.0	160.4	158.7	157.8	-	100.6	98.6	98.0	97.1	-
Soap and other detergents	2841	43.2	43.5	43.9	43.9	-	27.9	28.0	28.1	27.8	-
Polishing, sanitation, and finishing preparations	2842,3	46.1	46.0	46.3	45.6	-	24.9	24.9	25.4	24.9	-
Toilet preparations	2844	73.7	70.9	68.5	68.3	-	47.8	45.7	44.5	44.4	-
Paints and allied products	285	62.3	61.5	60.2	59.1	-	31.8	31.3	31.1	30.6	-
Industrial organic chemicals	286	155.2	154.1	155.1	153.5	-	85.3	84.0	80.2	78.5	-
Cyclic crudes and intermediates	2865	27.8	27.7	28.3	28.1	-	16.7	16.6	16.3	16.1	-
Industrial organic chemicals, nec	2869	123.3	122.3	122.8	121.5	-	65.8	64.6	61.2	59.8	-
Agricultural chemicals	287	55.5	55.4	56.0	55.8	-	33.5	33.5	33.9	33.7	-
Miscellaneous chemical products	289	100.9	100.7	98.7	98.6	-	59.6	59.7	58.9	58.9	-
Petroleum and coal products	29	160.3	160.1	163.3	161.2	160.9	105.2	105.4	106.4	105.5	105.3
Petroleum refining	291	118.2	118.1	122.5	120.7	-	75.1	75.3	77.8	77.1	-
Asphalt paving and roofing materials	295	29.3	29.1	27.8	27.8	-	22.7	22.6	21.5	21.5	-
Rubber and misc. plastics products	30	895.1	894.3	860.9	866.0	869.8	694.0	693.1	662.2	667.1	671.8
Tires and inner tubes	301	87.0	86.8	83.5	83.2	-	63.9	63.5	61.8	61.8	-
Rubber and plastics footwear	302	11.3	11.2	11.5	11.6	-	9.1	9.0	9.2	9.3	-
Hose, belting, gaskets, and packing	305	60.8	60.5	57.8	57.7	-	43.8	43.5	42.1	42.1	-
Rubber and plastics hose and belting	3052	24.2	24.1	22.9	22.8	-	18.0	17.9	17.2	17.2	-
Fabricated rubber products, nec	306	105.2	104.4	95.6	96.8	-	79.2	78.9	71.7	72.3	-
Miscellaneous plastics products, nec	308	630.8	631.4	612.5	616.7	-	498.0	498.2	477.4	481.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods—Continued											
Leather and leather products	31	132.2	130.0	122.5	122.5	121.6	108.4	106.7	99.5	99.5	98.9
Leather tanning and finishing	311	14.4	14.1	13.8	14.1	-	11.9	11.6	11.5	11.6	-
Footwear, except rubber	314	74.1	72.7	68.2	67.9	-	62.4	61.6	57.1	56.9	-
Men's footwear, except athletic	3143	32.4	31.1	29.1	29.0	-	26.3	25.4	23.5	23.4	-
Women's footwear, except athletic	3144	27.3	27.1	25.4	25.2	-	23.3	23.4	21.6	21.5	-
Luggage	316	10.2	10.3	9.5	9.4	-	7.1	7.0	6.2	6.3	-
Handbags and personal leather goods	317	14.8	14.6	13.8	13.8	-	11.9	11.5	10.6	10.5	-
Transportation and public utilities		5,901	5,907	5,822	5,873	5,881	4,897	4,905	4,841	4,894	4,902
Transportation		3,626	3,634	3,546	3,612	3,622	-	-	-	-	-
Railroad transportation	40	281.6	280.6	271.9	268.5	-	-	-	-	-	-
Class I railroads ²	4011	242.9	241.9	233.4	230.5	-	-	-	-	-	-
Local and interurban passenger transit	41	357.7	367.3	297.0	374.3	-	327.7	338.1	268.9	344.3	-
Local and suburban transportation	411	140.1	141.3	145.0	147.6	-	127.2	128.3	132.0	134.3	-
Taxicabs	412	32.2	32.3	31.0	31.3	-	-	-	-	-	-
Intercity and rural bus transportation	413	24.1	24.4	24.0	24.2	-	21.1	21.4	21.4	21.4	-
School buses	415	131.2	139.3	66.7	138.9	-	-	-	-	-	-
Trucking and warehousing	42	1,665.5	1,668.9	1,666.0	1,667.0	-	1,451.5	1,454.7	1,452.7	1,453.0	-
Trucking and courier services, except air	421	1,539.9	1,540.2	1,545.6	1,541.8	-	1,347.6	1,347.6	1,352.7	1,348.3	-
Public warehousing and storage	422	121.8	124.8	116.5	121.2	-	100.7	103.7	96.6	101.2	-
Water transportation	44	178.8	170.8	183.3	180.3	-	-	-	-	-	-
Water transportation of freight, nec	444	15.5	15.4	15.0	15.0	-	-	-	-	-	-
Water transportation services	449	110.6	105.1	113.5	112.1	-	99.3	92.5	100.6	99.5	-
Transportation by air	45	769.8	772.1	755.7	750.9	-	-	-	-	-	-
Air transportation, scheduled	451	641.0	645.8	626.2	622.1	-	-	-	-	-	-
Airports, flying fields, and services	458	101.0	99.1	100.2	100.3	-	-	-	-	-	-
Pipelines, except natural gas	46	18.6	18.3	19.5	19.4	-	13.7	13.5	14.6	14.4	-
Transportation services	47	353.7	355.8	352.2	351.4	-	-	-	-	-	-
Passenger transportation arrangement	472	194.1	194.5	191.8	191.4	-	153.6	153.9	148.7	148.7	-
Travel agencies	4724	154.1	155.2	152.5	152.1	-	120.7	121.8	117.6	117.7	-
Freight transportation arrangement	473	131.8	133.4	132.9	132.7	-	107.2	107.9	104.4	104.5	-
Communications and public utilities		2,275	2,273	2,276	2,261	2,259	-	-	-	-	-
Communications	48	1,310.0	1,309.5	1,292.6	1,288.0	-	974.9	976.5	983.0	979.4	-
Telephone communications	481	908.0	906.3	891.1	887.8	-	649.6	650.4	656.2	653.9	-
Radio and television broadcasting	483	236.4	236.4	231.9	231.2	-	195.5	195.8	192.3	191.5	-
Radio broadcasting stations	4832	120.0	120.1	118.4	117.7	-	-	-	-	-	-
Television broadcasting stations	4833	116.4	116.3	113.5	113.5	-	-	-	-	-	-
Cable and other pay television services	484	129.2	129.9	133.2	132.7	-	107.6	108.5	112.3	112.1	-
Electric, gas, and sanitary services	49	965.4	963.9	983.0	973.3	-	764.2	763.9	777.2	767.8	-
Electric services	491	456.3	455.1	460.8	455.0	-	351.8	351.2	356.5	351.6	-
Gas production and distribution	492	164.9	164.9	167.5	165.3	-	128.8	128.8	131.1	128.6	-
Combination utility services	493	193.5	192.9	193.4	191.2	-	156.4	156.3	152.8	150.4	-
Sanitary services	495	120.1	120.7	129.4	130.3	-	103.4	103.9	111.6	112.5	-
Wholesale trade		6,220	6,209	6,085	6,065	6,059	4,999	4,986	4,882	4,864	4,862
Durable goods	50	3,622	3,613	3,517	3,493	3,485	2,880	2,869	2,789	2,765	-
Motor vehicles, parts, and supplies	501	459.6	458.7	453.4	450.7	-	370.6	370.3	365.0	361.5	-
Automobiles and other motor vehicles	5012	119.6	120.2	119.8	119.3	-	-	-	-	-	-
Motor vehicle supplies and new parts	5013	269.2	268.1	264.4	261.9	-	-	-	-	-	-
Furniture and home furnishings	502	150.6	149.7	141.9	140.9	-	121.3	120.4	112.7	111.9	-
Furniture	5021	69.4	68.7	65.1	64.2	-	-	-	-	-	-
Home furnishings	5023	81.2	81.0	76.8	76.7	-	-	-	-	-	-
Lumber and other construction materials	503	235.4	233.6	228.5	226.7	-	191.4	189.4	185.9	183.8	-
Lumber, plywood, and millwork	5031	121.0	119.8	118.2	117.4	-	-	-	-	-	-
Construction materials, nec	5039	44.2	43.7	43.2	43.3	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Wholesale trade—Continued											
Durable goods—Continued											
Professional and commercial equipment	504	769.5	768.4	751.3	744.8	-	619.4	619.5	605.5	598.9	-
Computers, peripherals and software	5045	298.0	295.6	279.7	275.5	-	-	-	-	-	-
Metals and minerals, except petroleum	505	140.2	139.1	133.0	132.9	-	111.0	110.3	104.7	105.1	-
Electrical goods	506	496.1	498.7	486.7	483.5	-	375.1	372.2	365.5	363.0	-
Electrical apparatus and equipment	5063	204.2	205.0	200.4	199.6	-	-	-	-	-	-
Electrical appliances, television and radio sets	5064	62.5	62.3	59.7	58.4	-	-	-	-	-	-
Electronic parts and equipment	5065	229.4	231.4	226.6	225.5	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	279.1	278.4	264.9	263.7	-	224.9	223.7	211.8	210.1	-
Hardware	5072	96.6	96.0	90.1	89.7	-	-	-	-	-	-
Plumbing and hydronic heating supplies	5074	116.4	116.2	110.4	110.3	-	-	-	-	-	-
Machinery, equipment, and supplies	508	801.9	796.2	778.4	770.8	-	636.4	632.3	615.7	609.2	-
Construction and mining machinery	5082	84.7	83.9	78.1	77.9	-	-	-	-	-	-
Farm and garden machinery	5083	119.3	117.6	117.9	115.4	-	-	-	-	-	-
Industrial machinery and equipment	5084	329.5	328.4	318.2	316.1	-	-	-	-	-	-
Industrial supplies	5085	146.1	144.8	144.0	143.0	-	-	-	-	-	-
Misc. wholesale trade durable goods	509	289.1	290.1	279.3	278.5	-	230.0	231.0	222.6	221.7	-
Scrap and waste materials	5093	108.4	109.0	103.2	102.9	-	-	-	-	-	-
Nondurable goods	51	2,598	2,596	2,568	2,572	2,574	2,119	2,117	2,093	2,099	-
Paper and paper products	511	240.0	240.1	236.1	235.0	-	193.6	193.8	190.7	189.3	-
Drugs, proprietaries, and sundries	512	187.8	189.0	188.3	188.5	-	158.0	159.0	158.3	158.2	-
Apparel, piece goods, and notions	513	208.3	208.4	204.6	205.4	-	164.8	164.9	161.4	161.9	-
Groceries and related products	514	864.4	858.6	844.3	847.7	-	727.5	720.9	707.3	711.4	-
Groceries, general line	5141	275.2	274.6	271.9	271.7	-	-	-	-	-	-
Meats and meat products	5147	61.1	61.0	60.8	60.1	-	-	-	-	-	-
Fresh fruits and vegetables	5148	111.4	106.9	98.2	103.4	-	-	-	-	-	-
Chemicals and allied products	516	137.6	136.9	136.4	136.2	-	98.3	98.0	99.9	100.1	-
Petroleum and petroleum products	517	198.8	198.5	194.7	192.6	-	157.8	157.4	154.9	153.7	-
Petroleum bulk stations and terminals	5171	83.9	83.9	83.6	83.0	-	-	-	-	-	-
Petroleum products, nec	5172	114.9	114.6	111.1	109.6	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	151.6	151.4	156.6	154.4	-	124.5	124.5	128.0	126.0	-
Beer and ale	5181	96.3	95.9	100.7	98.9	-	-	-	-	-	-
Wine and distilled beverages	5182	55.3	55.5	55.9	55.5	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	519	485.0	483.6	491.2	492.6	-	392.6	391.4	398.4	399.7	-
Farm supplies	5191	157.2	155.7	159.5	161.5	-	-	-	-	-	-
Retail trade		19,742	19,669	19,478	19,378	19,292	17,484	17,422	17,204	17,097	17,010
Building materials and garden supplies	52	772.6	767.5	762.7	751.4	-	639.8	636.1	629.4	617.7	-
Lumber and other building materials	521	433.3	427.8	423.7	417.3	-	364.6	360.1	356.0	349.3	-
Hardware stores	525	160.5	161.2	162.2	161.6	-	132.2	133.0	133.9	132.4	-
General merchandise stores	53	2,472.0	2,508.5	2,306.4	2,304.9	2,339.4	2,315.5	2,352.7	2,163.9	2,162.0	-
Department stores	531	2,097.9	2,125.8	1,942.6	1,943.3	-	1,981.5	2,010.5	1,841.1	1,841.6	-
Variety stores	533	162.0	164.5	159.7	158.5	-	146.9	149.0	143.9	142.7	-
Miscellaneous general merchandise stores	539	212.1	218.2	204.1	203.1	-	187.1	193.2	178.9	177.7	-
Food stores	54	3,230.5	3,246.2	3,230.3	3,218.4	3,233.6	2,969.2	2,986.2	2,963.6	2,949.0	-
Grocery stores	541	2,890.7	2,901.0	2,881.1	2,870.6	-	2,671.4	2,683.0	2,658.9	2,646.3	-
Meat and fish markets	542	49.6	49.5	50.9	50.3	-	-	-	-	-	-
Dairy products stores	545	25.2	25.3	25.9	25.9	-	-	-	-	-	-
Retail bakeries	546	165.6	167.3	167.3	168.8	-	147.4	149.0	149.3	150.6	-
Automotive dealers and service stations	55	2,099.5	2,083.6	2,064.3	2,054.0	2,048.1	1,750.2	1,735.0	1,719.8	1,709.2	-
New and used car dealers	551	937.1	931.9	905.4	905.6	-	777.5	773.0	750.9	750.6	-
Auto and home supply stores	553	346.0	345.9	349.5	349.6	-	277.3	277.3	280.3	279.9	-
Gasoline service stations	554	654.0	647.7	645.8	638.4	-	565.7	559.6	557.6	551.1	-
Automotive dealers, nec	559	10.6	10.5	10.8	10.8	-	8.7	8.5	8.9	8.8	-
Apparel and accessory stores	56	1,143.9	1,152.1	1,120.6	1,096.7	-	955.0	963.9	922.9	902.1	-
Men's and boys' clothing stores	561	95.8	95.9	86.4	85.3	-	76.1	76.6	69.8	68.9	-
Women's clothing stores	562	394.6	399.6	377.6	372.8	-	327.5	333.1	311.1	307.1	-
Family clothing stores	565	277.1	279.0	293.2	282.5	-	238.7	240.4	252.9	243.4	-
Shoe stores	566	218.5	218.9	211.1	204.5	-	179.9	179.8	162.0	156.9	-

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 ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Retail trade—Continued											
Furniture and home furnishings stores	57	814.6	818.2	797.5	798.6	-	664.4	668.3	649.7	650.3	-
Furniture and home furnishings stores	571	458.2	460.0	450.2	450.6	-	372.7	374.3	364.3	364.5	-
Furniture stores	5712	279.7	280.7	275.3	276.2	-	-	-	-	-	-
Household appliance stores	572	79.5	79.0	71.2	70.8	-	64.9	64.5	57.9	57.2	-
Radio, television, and computer stores	573	276.9	279.2	276.1	277.2	-	226.8	229.5	227.5	228.6	-
Radio, television, and electronic stores	5731	115.1	116.6	116.9	118.1	-	96.2	98.1	98.8	99.9	-
Record and prerecorded tape stores	5735	62.3	62.4	58.7	58.3	-	52.0	52.2	48.7	48.6	-
Eating and drinking places	58	6,713.2	6,564.3	6,753.3	6,700.6	6,538.6	6,095.5	5,954.7	6,120.5	6,063.4	-
Miscellaneous retail establishments	59	2,495.4	2,528.2	2,443.1	2,452.9	-	2,094.8	2,125.5	2,033.8	2,043.6	-
Drug stores and proprietary stores	591	620.3	627.6	626.1	624.6	-	523.4	529.7	523.7	521.7	-
Liquor stores	592	119.7	120.9	122.7	121.1	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	870.1	880.0	847.1	858.8	-	726.1	735.2	701.0	712.2	-
Sporting goods and bicycle shops	5941	157.9	160.7	154.6	157.1	-	-	-	-	-	-
Book stores	5942	98.9	95.4	92.2	98.0	-	-	-	-	-	-
Stationery stores	5943	77.4	77.4	73.3	73.8	-	-	-	-	-	-
Jewelry stores	5944	144.7	146.1	141.1	141.5	-	-	-	-	-	-
Gift, novelty, and souvenir shops	5947	189.7	188.7	192.8	190.6	-	-	-	-	-	-
Sewing, needlework, and piece goods	5949	66.6	67.6	63.1	63.6	-	-	-	-	-	-
Nonstore retailers	596	292.0	299.5	250.4	251.0	-	258.7	266.3	217.0	218.1	-
Catalog and mail-order houses	5961	158.5	166.0	130.6	132.2	-	-	-	-	-	-
Merchandising machine operators	5962	80.9	80.4	74.8	75.2	-	-	-	-	-	-
Fuel dealers	598	105.8	108.0	102.0	102.4	-	87.6	89.8	84.2	84.4	-
Retail stores, nec	599	417.3	421.1	424.8	424.8	-	342.9	346.8	349.4	349.4	-
Finance, insurance, and real estate³		6,764	6,727	6,772	6,706	6,675	4,902	4,870	4,908	4,841	4,817
Finance		3,303	3,293	3,302	3,281	3,273	-	-	-	-	-
Depository institutions	60	2,276.1	2,267.3	2,267.6	2,247.6	-	1,649.2	1,641.1	1,644.4	1,625.2	-
Commercial banks	602	1,569.4	1,563.7	1,571.9	1,557.3	-	1,115.7	1,110.4	1,119.3	1,105.1	-
State commercial banks	6022	668.4	666.3	669.8	662.0	-	-	-	-	-	-
Savings institutions	603	449.3	446.5	435.7	431.3	-	-	-	-	-	-
Federal savings institutions	6035	238.8	236.1	226.1	223.5	-	-	-	-	-	-
Savings institutions, except federal	6036	210.5	210.4	209.6	207.8	-	-	-	-	-	-
Credit unions	606	135.4	135.4	138.9	138.6	-	108.3	108.5	111.2	110.7	-
Nondepository institutions	61	373.4	373.0	377.1	377.1	-	271.2	271.1	277.1	276.5	-
Personal credit institutions	614	126.8	127.4	126.2	125.9	-	94.5	95.4	95.1	94.4	-
Business credit institutions	615	79.9	80.3	80.5	80.3	-	-	-	-	-	-
Mortgage bankers and brokers	616	155.9	154.6	159.7	160.3	-	-	-	-	-	-
Security and commodity brokers	62	427.7	425.6	428.1	426.7	-	-	-	-	-	-
Security brokers and dealers	621	324.5	323.2	325.5	324.7	-	-	-	-	-	-
Commodity contracts brokers, dealers, and exchanges	622,3	24.5	24.3	21.9	21.4	-	-	-	-	-	-
Security and commodity services	628	78.7	78.1	80.7	80.6	-	49.5	48.7	51.7	51.5	-
Holding and other investment offices	67	225.9	227.3	229.1	229.3	-	-	-	-	-	-
Insurance	63,64	2,121	2,121	2,131	2,117	2,117	-	-	-	-	-
Insurance carriers	63	1,455.0	1,455.6	1,463.7	1,452.9	-	977.9	979.1	990.1	981.2	-
Life insurance	631	537.3	536.3	533.0	527.7	-	329.0	328.2	323.5	319.4	-
Medical service and health insurance	632	243.9	245.2	256.7	256.6	-	197.4	198.9	209.7	209.2	-
Fire, marine, and casualty insurance	633	558.8	559.8	564.2	559.9	-	362.5	363.7	370.3	366.6	-
Title insurance	636	61.4	60.4	53.8	53.0	-	-	-	-	-	-
Insurance agents, brokers, and service	64	666.2	665.8	667.1	664.5	-	-	-	-	-	-
Real estate	65	1,340	1,313	1,339	1,308	1,285	-	-	-	-	-
Real estate operators and lessors	651	575.4	564.0	582.9	568.5	-	-	-	-	-	-
Real estate agents and managers	653	579.4	568.7	575.9	563.2	-	-	-	-	-	-
Subdividers and developers	655	154.0	149.7	150.6	146.5	-	-	-	-	-	-

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 ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p
Services		28,508	28,554	29,004	29,005	29,106	24,873	24,922	25,281	25,268	25,354
Hotels and other lodging places	70	1,693.4	1,631.7	1,725.1	1,652.5	-	-	-	-	-	-
Hotels and motels	701	1,644.5	1,587.3	1,630.5	1,600.3	-	1,459.2	1,404.2	1,447.2	1,415.4	-
Personal services	72	1,092.9	1,099.6	1,083.4	1,104.5	-	-	-	-	-	-
Laundry, cleaning, and garment services	721	435.1	437.9	430.2	429.1	-	386.3	388.5	379.9	379.0	-
Photographic studios, portrait	722	68.8	73.0	67.4	74.6	-	-	-	-	-	-
Beauty shops	723	373.7	375.6	380.9	386.3	-	335.0	336.8	342.8	347.0	-
Funeral service and crematories	726	84.0	83.6	84.4	84.7	-	-	-	-	-	-
Miscellaneous personal services	729	107.3	105.6	96.8	106.1	-	92.5	91.6	82.7	90.7	-
Business services	73	5,365.1	5,363.4	5,379.3	5,414.4	5,423.8	4,727.0	4,722.8	4,713.4	4,749.8	-
Advertising	731	238.7	237.8	230.2	229.8	-	170.3	169.4	162.3	161.4	-
Advertising agencies	7311	169.4	168.5	162.2	161.5	-	-	-	-	-	-
Credit reporting and collection	732	107.7	108.1	114.7	114.3	-	-	-	-	-	-
Mailing, reproduction, and stenographic services	733	247.8	253.1	262.6	268.9	-	-	-	-	-	-
Services to buildings	734	809.1	799.3	787.5	783.6	-	732.3	722.8	709.4	705.1	-
Personnel supply services	736	1,647.6	1,628.8	1,570.7	1,607.4	-	-	-	-	-	-
Employment agencies	7361	273.1	272.8	257.1	261.1	-	-	-	-	-	-
Help supply services	7363	1,374.5	1,356.0	1,313.6	1,346.3	-	1,330.2	1,311.6	1,267.3	1,300.1	-
Computer and data processing services	737	790.5	793.6	844.8	844.5	-	618.1	621.3	660.6	662.8	-
Computer programming services	7371	156.5	157.5	168.2	168.4	-	123.6	124.7	133.0	134.0	-
Prepackaged software	7372	115.3	115.2	128.7	127.6	-	-	-	-	-	-
Data processing and preparation	7374	198.6	199.9	209.4	209.5	-	-	-	-	-	-
Miscellaneous business services	738	1,308.9	1,328.2	1,356.3	1,356.1	-	1,158.5	1,175.1	1,195.9	1,197.7	-
Detective and armored car services	7381	469.0	475.1	489.4	490.0	-	440.4	445.6	457.8	458.6	-
Photofinishing laboratories	7384	85.0	85.6	78.2	82.1	-	-	-	-	-	-
Auto repair, services, and parking	75	937.3	933.8	919.7	915.9	-	774.3	772.0	756.5	753.2	-
Automotive rentals, without drivers	751	184.7	184.0	183.0	182.3	-	-	-	-	-	-
Automotive repair shops	753	539.0	537.0	530.9	526.4	-	441.8	440.4	432.3	428.7	-
Miscellaneous repair services	76	395.4	393.9	384.1	382.8	-	324.0	322.7	312.3	311.5	-
Electrical repair shops	762	119.1	119.1	124.6	124.0	-	-	-	-	-	-
Motion pictures	78	404.7	404.7	412.4	387.3	-	340.2	340.1	342.4	317.8	-
Motion picture production and services	781	151.6	154.8	155.9	149.3	-	124.0	126.6	124.3	118.3	-
Motion picture theaters	783	109.0	106.1	118.9	106.5	-	-	-	-	-	-
Amusement and recreation services	79	1,134.4	1,029.9	1,281.4	1,178.2	-	994.5	896.4	1,132.7	1,028.9	-
Misc. amusement and recreation services	799	772.9	669.2	897.6	780.2	-	679.1	583.3	798.3	684.0	-
Physical fitness facilities	7991	129.4	125.7	126.9	127.0	-	116.3	113.1	112.3	112.2	-
Membership sports and recreation clubs	7997	287.6	255.9	343.3	295.6	-	254.4	225.2	305.3	259.4	-
Health services	80	7,925.7	7,957.8	8,314.0	8,319.7	8,353.5	7,045.8	7,075.1	7,393.8	7,391.2	-
Offices and clinics of medical doctors	801	1,373.4	1,376.8	1,450.0	1,448.3	-	1,133.7	1,135.8	1,194.3	1,186.0	-
Offices and clinics of dentists	802	514.3	513.8	533.3	531.6	-	450.5	450.2	469.6	467.2	-
Offices and clinics of other health practitioners	804	280.4	283.6	303.2	303.1	-	232.0	235.6	251.2	250.3	-
Nursing and personal care facilities	805	1,432.6	1,441.0	1,525.7	1,528.6	-	1,293.9	1,301.6	1,377.6	1,379.7	-
Skilled nursing care facilities	8051	983.5	989.0	1,043.8	1,046.0	-	-	-	-	-	-
Intermediate care facilities	8052	204.3	206.8	221.1	220.9	-	183.5	185.4	198.9	198.6	-
Nursing and personal care, nec	8059	244.8	245.2	260.8	261.7	-	-	-	-	-	-
Hospitals	806	3,570.0	3,580.1	3,676.0	3,676.1	-	3,270.4	3,279.5	3,372.2	3,373.7	-
General medical and surgical hospitals	8062	3,287.3	3,296.5	3,382.6	3,382.9	-	-	-	-	-	-
Psychiatric hospitals	8063	103.9	104.0	102.1	101.3	-	-	-	-	-	-
Specialty hospitals, excluding psychiatric	8069	178.8	179.6	191.3	191.9	-	-	-	-	-	-
Medical and dental laboratories	807	172.7	174.8	188.8	188.1	-	-	-	-	-	-
Home health care services	808	302.3	306.0	334.8	340.6	-	279.3	283.6	310.0	315.5	-
Legal services	81	915.7	920.4	934.0	919.3	-	753.0	756.9	764.9	748.8	-
Educational services	82	1,620.5	1,764.2	1,427.5	1,631.9	-	-	-	-	-	-
Elementary and secondary schools	821	454.1	467.1	424.3	464.0	-	-	-	-	-	-
Colleges and universities	822	962.1	1,086.1	798.2	969.3	-	-	-	-	-	-
Vocational schools	824	88.3	90.5	83.5	82.6	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1987 SIC Code	All employees					Production workers ¹				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Services—Continued											
Social services	83	1,818.9	1,852.7	1,916.9	1,959.7	-	-	-	-	-	-
Individual and family services	832	465.2	468.7	495.7	491.2	-	-	-	-	-	-
Job training and related services	833	240.6	240.9	252.9	237.4	-	-	-	-	-	-
Child day care services	835	467.3	486.0	455.4	515.0	-	411.7	428.8	400.1	455.0	-
Residential care	836	477.7	483.5	533.6	530.0	-	-	-	-	-	-
Museums and botanical and zoological gardens	84	68.9	68.3	72.3	68.3	-	-	-	-	-	-
Membership organizations	86	1,926.6	1,935.0	1,979.6	1,930.4	-	-	-	-	-	-
Business associations	861	105.8	105.8	104.4	102.1	-	-	-	-	-	-
Labor organizations	863	138.9	141.4	134.1	137.1	-	-	-	-	-	-
Civic and social associations	864	405.5	414.1	459.5	413.0	-	-	-	-	-	-
Engineering and management services	87	2,493.7	2,497.9	2,467.1	2,447.7	-	1,891.2	1,895.9	1,880.7	1,858.1	-
Engineering and architectural services	871	793.8	791.4	768.4	759.6	-	651.3	649.0	633.8	625.0	-
Engineering services	8711	614.5	612.6	597.7	592.7	-	508.4	506.5	498.3	493.0	-
Architectural services	8712	128.4	127.6	121.5	119.2	-	101.2	100.8	95.2	93.0	-
Accounting, auditing, and bookkeeping	872	521.1	527.8	508.3	507.2	-	384.8	390.0	375.1	369.0	-
Research and testing services	873	551.2	553.0	559.1	552.5	-	398.7	400.8	407.8	403.8	-
Commercial physical research	8731	235.0	234.3	236.0	233.8	-	-	-	-	-	-
Noncommercial research organizations	8733	143.7	145.3	150.9	146.8	-	-	-	-	-	-
Management and public relations	874	627.6	625.7	631.3	628.4	-	456.4	456.1	464.0	460.3	-
Services, nec	89	38.0	37.8	36.8	37.1	-	30.3	29.9	28.9	29.1	-
Government		18,066	18,593	17,271	18,147	18,657	-	-	-	-	-
Federal Government ⁴		2,987	2,965	2,991	2,973	2,969	-	-	-	-	-
Executive, by agency ⁴		2,926.4	2,904.7	2,927.2	-	-	-	-	-	-	-
Department of Defense		938.9	930.5	928.7	-	-	-	-	-	-	-
Postal Service ⁵		813.2	812.7	805.4	-	-	-	-	-	-	-
Other executive agencies		1,174.3	1,161.5	1,193.1	-	-	-	-	-	-	-
Legislative		37.4	37.2	38.9	-	-	-	-	-	-	-
Judicial		23.3	23.4	25.3	-	-	-	-	-	-	-
Federal Government, by industry:											
Manufacturing activities		114.7	112.8	109.3	108.7	-	-	-	-	-	-
Ship building and repairing	3731	67.0	66.1	62.5	62.3	-	-	-	-	-	-
Transportation and public utilities, except Postal Service		36.8	37.1	34.3	35.4	-	-	-	-	-	-
Services		406.3	400.8	411.4	408.6	-	-	-	-	-	-
Hospitals	806	233.9	233.7	240.7	240.2	-	-	-	-	-	-
State government		4,262	4,444	4,103	4,268	4,426	-	-	-	-	-
Hospitals	806	429.3	430.4	425.5	423.8	-	-	-	-	-	-
Education	82	1,663.0	1,857.8	1,474.5	1,679.1	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		1,668.3	1,657.2	1,692.5	1,670.6	-	-	-	-	-	-
Local government		10,817	11,184	10,177	10,906	11,262	-	-	-	-	-
Transportation and public utilities		461.2	461.0	461.1	457.7	-	-	-	-	-	-
Hospitals	806	658.9	661.5	687.7	686.2	-	-	-	-	-	-
Education	82	5,936.7	6,362.0	5,045.9	5,979.7	-	-	-	-	-	-
General administration, including executive, legislative, and judicial functions		3,424.7	3,382.4	3,628.8	3,462.2	-	-	-	-	-	-

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

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

³ Excludes nonoffice commissioned real estate sales agents.

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

the National Security Agency.

⁵ Includes rural mail carriers.

- Data not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 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 1990	Aug. 1990	June 1991	July 1991	Aug. 1991
Total	51,523	51,536	52,497	51,494	51,558
Total private	42,506	42,658	42,573	42,395	42,568
Goods-producing	6,935	7,008	6,733	6,676	6,778
Mining	98	97	100	100	100
Construction	566	567	549	550	550
Manufacturing	6,271	6,344	6,084	6,026	6,128
Durable goods	2,963	2,967	2,822	2,790	2,809
Lumber and wood products	122	121	113	113	114
Furniture and fixtures	156	159	148	143	147
Stone, clay, and glass products	109	110	105	104	106
Primary metal industries	103	103	99	98	99
Fabricated metal products	315	318	302	296	299
Industrial machinery and equipment	454	451	434	431	430
Electronic and other electrical equipment	710	710	675	668	671
Transportation equipment	408	404	377	374	374
Instruments and related products	414	414	401	398	398
Miscellaneous manufacturing	172	177	169	166	171
Nondurable goods	3,308	3,377	3,262	3,236	3,319
Food and kindred products	557	581	537	550	589
Tobacco products	15	17	14	15	17
Textile mill products	332	339	327	323	328
Apparel and other textile products	791	821	808	785	810
Paper and allied products	175	176	172	172	173
Printing and publishing	693	691	677	674	672
Chemicals and allied products	334	334	333	331	335
Petroleum and coal products	27	27	27	27	27
Rubber and misc. plastics products	310	314	299	292	298
Leather and leather products	74	78	70	68	71
Service-producing	44,588	44,528	45,764	44,818	44,780
Transportation and public utilities	1,696	1,700	1,728	1,694	1,695
Wholesale trade	1,908	1,907	1,866	1,863	1,861
Retail trade	10,477	10,513	10,343	10,294	10,321
Finance, insurance, and real estate	4,303	4,310	4,285	4,289	4,283
Services	17,187	17,220	17,618	17,579	17,630
Government	9,017	8,878	9,924	9,099	8,990
Federal	1,346	1,275	1,240	1,240	1,235
State	2,013	2,015	2,114	2,041	2,037
Local	5,658	5,588	6,570	5,818	5,718

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1990 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	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. ^P	Oct. ^P
Total	109,982	109,761	109,621	109,418	109,160	108,902	108,736	108,887	108,885	108,859	108,971	109,019	109,018
Total private	91,638	91,406	91,268	91,053	90,771	90,495	90,312	90,447	90,429	90,439	90,557	90,612	90,605
Goods-producing	24,705	24,481	24,375	24,181	24,039	23,877	23,794	23,847	23,792	23,798	23,826	23,792	23,727
Mining	710	712	715	713	715	714	710	706	704	701	693	684	680
Oil and gas extraction	397	398	399	399	401	402	400	399	398	394	390	384	383
Construction	5,022	4,962	4,911	4,797	4,792	4,720	4,688	4,715	4,710	4,695	4,691	4,697	4,668
General building contractors	1,272	1,251	1,237	1,221	1,210	1,196	1,184	1,177	1,172	1,170	1,165	1,162	1,153
Manufacturing	18,973	18,807	18,749	18,671	18,532	18,443	18,396	18,426	18,378	18,402	18,442	18,411	18,379
Durable goods	11,000	10,867	10,828	10,770	10,652	10,584	10,560	10,575	10,534	10,546	10,553	10,531	10,496
Lumber and wood products	730	719	714	706	696	692	692	697	696	699	700	697	698
Furniture and fixtures	505	496	493	490	482	479	481	483	483	478	483	481	481
Stone, clay, and glass products	549	543	539	532	527	520	521	519	518	520	523	522	522
Primary metal industries	753	747	742	740	726	724	723	721	718	721	722	719	715
Blast furnaces and basic steel products	276	274	273	271	264	262	263	261	260	260	260	260	258
Fabricated metal products	1,415	1,402	1,395	1,389	1,365	1,356	1,353	1,354	1,358	1,359	1,361	1,358	1,355
Industrial machinery and equipment	2,074	2,063	2,054	2,048	2,036	2,024	2,007	2,003	1,990	1,984	1,980	1,980	1,971
Electronic and other electrical equipment	1,647	1,636	1,628	1,621	1,611	1,599	1,597	1,599	1,594	1,589	1,585	1,580	1,574
Transportation equipment	1,957	1,897	1,902	1,888	1,859	1,846	1,846	1,863	1,845	1,861	1,868	1,862	1,849
Motor vehicles and equipment	805	758	770	763	746	738	754	780	770	791	797	795	788
Instruments and related products	995	991	989	985	982	978	976	973	969	968	966	967	963
Miscellaneous manufacturing	375	373	372	371	368	366	364	363	363	367	365	365	368
Nondurable goods	7,973	7,940	7,921	7,901	7,880	7,859	7,836	7,851	7,844	7,856	7,889	7,880	7,883
Food and kindred products	1,672	1,669	1,672	1,673	1,679	1,679	1,673	1,677	1,677	1,660	1,685	1,675	1,674
Tobacco products	49	49	49	49	49	48	48	48	48	48	50	48	48
Textile mill products	678	677	671	667	661	660	660	665	665	671	670	670	672
Apparel and other textile products	1,032	1,023	1,017	1,012	1,010	1,009	1,005	1,013	1,017	1,032	1,031	1,034	1,036
Paper and allied products	699	697	695	696	694	693	691	690	687	689	692	692	690
Printing and publishing	1,573	1,568	1,565	1,560	1,553	1,548	1,542	1,540	1,531	1,532	1,531	1,530	1,526
Chemicals and allied products	1,095	1,095	1,095	1,094	1,093	1,091	1,089	1,086	1,086	1,084	1,088	1,088	1,094
Petroleum and coal products	158	159	159	158	158	158	159	159	159	159	160	159	159
Rubber and misc. plastics products	889	877	873	868	861	852	849	854	854	857	861	863	864
Leather and leather products	128	126	125	124	122	121	120	119	120	123	121	121	120
Service-producing	85,277	85,280	85,246	85,237	85,121	85,025	84,942	85,040	85,093	85,061	85,145	85,227	85,291
Transportation and public utilities	5,855	5,852	5,867	5,866	5,834	5,824	5,814	5,819	5,809	5,809	5,820	5,825	5,831
Transportation	3,582	3,582	3,595	3,591	3,562	3,549	3,544	3,556	3,546	3,550	3,564	3,566	3,572
Communications and public utilities	2,273	2,270	2,272	2,275	2,272	2,275	2,270	2,263	2,263	2,259	2,256	2,259	2,259
Wholesale trade	6,190	6,180	6,166	6,138	6,119	6,105	6,086	6,085	6,068	6,064	6,050	6,047	6,041
Durable goods	3,613	3,604	3,596	3,576	3,562	3,550	3,535	3,528	3,517	3,509	3,500	3,493	3,485
Nondurable goods	2,577	2,576	2,570	2,562	2,557	2,555	2,551	2,557	2,551	2,555	2,550	2,554	2,556
Retail trade	19,663	19,628	19,579	19,542	19,464	19,378	19,324	19,339	19,345	19,347	19,343	19,339	19,292
General merchandise stores	2,491	2,470	2,444	2,431	2,415	2,396	2,372	2,356	2,358	2,347	2,349	2,340	2,323
Food stores	3,238	3,243	3,242	3,243	3,237	3,245	3,226	3,225	3,229	3,232	3,227	3,228	3,224
Automotive dealers and service stations	2,075	2,070	2,067	2,053	2,042	2,036	2,031	2,031	2,034	2,038	2,038	2,036	2,040
Eating and drinking places	6,586	6,596	6,601	6,608	6,582	6,561	6,560	6,571	6,571	6,578	6,563	6,569	6,558
Finance, insurance, and real estate	6,746	6,740	6,733	6,736	6,732	6,735	6,718	6,712	6,703	6,688	6,687	6,691	6,695
Finance	3,305	3,301	3,296	3,296	3,295	3,297	3,292	3,287	3,281	3,275	3,276	3,284	3,286
Insurance	2,127	2,128	2,128	2,136	2,137	2,140	2,134	2,132	2,130	2,122	2,123	2,121	2,123
Real estate	1,314	1,311	1,309	1,304	1,300	1,298	1,292	1,293	1,292	1,291	1,288	1,286	1,286
Services	28,479	28,525	28,548	28,590	28,583	28,576	28,576	28,645	28,712	28,733	28,831	28,918	29,019
Business services	5,295	5,287	5,275	5,271	5,256	5,254	5,257	5,278	5,280	5,280	5,321	5,334	5,354
Health services	7,965	7,997	8,032	8,061	8,089	8,114	8,147	8,165	8,206	8,249	8,289	8,320	8,362
Government	18,344	18,355	18,353	18,365	18,389	18,407	18,424	18,440	18,456	18,420	18,414	18,407	18,413
Federal	2,980	2,964	2,948	2,952	2,951	2,951	2,953	2,952	2,971	2,963	2,967	2,979	2,984
State	4,339	4,345	4,347	4,352	4,354	4,359	4,352	4,348	4,359	4,338	4,337	4,333	4,322
Local	11,025	11,046	11,058	11,061	11,084	11,097	11,119	11,140	11,126	11,119	11,110	11,095	11,107

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990

benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 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	1990					1991							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.
Total	52,371	52,380	52,372	52,349	52,319	52,355	52,264	52,207	52,149	52,227	52,261	52,329	52,405
Total private	42,578	42,594	42,579	42,540	42,500	42,527	42,415	42,344	42,275	42,344	42,355	42,385	42,483
Goods-producing	6,949	6,930	6,894	6,844	6,826	6,802	6,762	6,723	6,701	6,703	6,694	6,699	6,714
Mining	96	97	95	96	97	97	98	98	98	98	98	98	99
Construction	555	555	553	551	550	548	544	542	540	541	541	539	538
Manufacturing	6,298	6,278	6,246	6,197	6,179	6,157	6,120	6,083	6,063	6,064	6,055	6,062	6,077
Durable goods	2,965	2,950	2,936	2,904	2,892	2,879	2,853	2,828	2,819	2,817	2,806	2,807	2,806
Lumber and wood products	119	118	117	116	115	114	111	109	110	110	111	111	112
Furniture and fixtures	160	159	157	154	153	152	149	148	148	148	149	146	148
Stone, clay, and glass products	109	109	109	108	107	106	106	104	104	104	103	103	105
Primary metal industries	103	102	102	102	101	101	99	99	98	98	97	99	98
Fabricated metal products	318	316	315	311	310	308	303	300	300	299	300	299	299
Industrial machinery and equipment	453	450	449	446	444	444	441	439	436	435	432	432	432
Electronic and other electrical equipment	710	705	701	696	692	688	686	678	676	676	673	673	670
Transportation equipment	406	404	401	389	389	386	379	375	374	377	374	375	376
Instruments and related products	413	412	411	409	408	407	407	405	404	402	399	399	397
Miscellaneous manufacturing	174	175	174	173	173	173	172	171	169	168	168	170	169
Nondurable goods	3,333	3,328	3,310	3,293	3,287	3,278	3,267	3,255	3,244	3,247	3,249	3,255	3,271
Food and kindred products	542	543	543	540	542	542	544	543	543	541	542	533	549
Tobacco products	17	17	16	16	17	16	16	16	16	16	16	16	17
Textile mill products	337	334	330	330	328	327	324	322	323	326	325	326	326
Apparel and other textile products	821	822	814	807	803	800	798	796	791	797	801	813	810
Paper and allied products	174	173	172	172	171	172	171	171	170	169	169	170	170
Printing and publishing	694	693	693	692	692	690	686	684	681	679	675	676	674
Chemicals and allied products	330	331	331	330	331	330	331	330	329	329	329	328	331
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rubber and misc. plastics products	315	313	310	306	304	302	299	295	295	294	297	296	298
Leather and leather products	77	76	75	74	73	73	71	71	70	70	69	71	70
Service-producing	45,422	45,450	45,478	45,505	45,493	45,553	45,502	45,484	45,448	45,524	45,567	45,630	45,691
Transportation and public utilities	1,721	1,727	1,731	1,736	1,739	1,745	1,731	1,732	1,726	1,727	1,718	1,711	1,716
Wholesale trade	1,905	1,905	1,903	1,898	1,892	1,883	1,878	1,870	1,865	1,866	1,859	1,861	1,859
Retail trade	10,473	10,464	10,446	10,432	10,388	10,411	10,348	10,308	10,265	10,285	10,281	10,284	10,280
Finance, insurance, and real estate	4,277	4,276	4,273	4,270	4,262	4,271	4,271	4,272	4,268	4,261	4,255	4,251	4,249
Services	17,253	17,292	17,332	17,360	17,393	17,415	17,425	17,439	17,450	17,502	17,548	17,579	17,665
Government	9,793	9,786	9,793	9,809	9,819	9,828	9,849	9,863	9,874	9,883	9,906	9,944	9,922
Federal	1,264	1,237	1,231	1,225	1,220	1,222	1,226	1,227	1,230	1,228	1,230	1,218	1,223
State	2,148	2,156	2,161	2,167	2,169	2,173	2,174	2,176	2,175	2,173	2,184	2,174	2,172
Local	6,381	6,393	6,401	6,417	6,430	6,433	6,449	6,460	6,469	6,482	6,492	6,552	6,527

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

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-6. Production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. ^p	Oct. ^p
Total private	74,209	73,984	73,841	73,666	73,378	73,172	72,983	73,121	73,147	73,196	73,265	73,313	73,301
Goods-producing	17,252	17,048	16,958	16,787	16,658	16,534	16,477	16,530	16,507	16,535	16,563	16,532	16,507
Mining	512	512	513	511	512	511	509	503	500	499	490	484	483
Construction	3,876	3,821	3,773	3,672	3,658	3,599	3,565	3,598	3,597	3,588	3,585	3,592	3,573
Manufacturing	12,864	12,715	12,672	12,604	12,488	12,424	12,403	12,429	12,410	12,448	12,488	12,456	12,451
Durable goods	7,287	7,172	7,148	7,098	7,000	6,956	6,948	6,964	6,943	6,971	6,983	6,958	6,942
Lumber and wood products	600	590	585	578	569	564	566	570	570	573	574	572	574
Furniture and fixtures	397	389	386	384	377	375	377	378	379	375	379	379	378
Stone, clay, and glass products	426	421	419	411	406	400	401	400	400	401	404	403	404
Primary metal industries	571	566	562	559	548	546	544	544	541	544	545	542	539
Blast furnaces and basic steel products	211	210	209	207	201	199	200	199	198	197	198	198	196
Fabricated metal products	1,041	1,030	1,024	1,018	994	990	989	990	992	995	995	996	992
Industrial machinery and equipment	1,244	1,235	1,228	1,223	1,215	1,209	1,198	1,191	1,183	1,177	1,179	1,177	1,176
Electronic and other electrical equipment	1,038	1,028	1,022	1,014	1,007	1,000	1,001	1,005	1,004	1,005	1,004	998	996
Transportation equipment	1,211	1,158	1,168	1,158	1,135	1,125	1,130	1,148	1,139	1,163	1,169	1,160	1,150
Motor vehicles and equipment	613	570	582	577	561	553	567	592	588	611	615	610	603
Instruments and related products	488	486	486	486	484	485	481	478	475	474	471	468	467
Miscellaneous manufacturing	271	269	268	267	265	262	261	260	260	264	263	263	266
Nondurable goods	5,577	5,543	5,524	5,506	5,488	5,468	5,455	5,465	5,467	5,477	5,505	5,498	5,509
Food and kindred products	1,204	1,202	1,206	1,208	1,213	1,213	1,207	1,211	1,213	1,197	1,220	1,214	1,213
Tobacco products	36	36	36	36	36	35	35	36	36	36	38	36	35
Textile mill products	580	580	574	571	565	564	565	570	571	575	574	574	577
Apparel and other textile products	864	854	850	844	843	842	840	847	850	867	863	864	868
Paper and allied products	525	522	521	522	522	521	519	519	517	517	521	521	520
Printing and publishing	871	867	864	860	855	851	849	844	841	845	843	844	841
Chemicals and allied products	600	598	596	594	592	591	591	585	583	580	583	580	589
Petroleum and coal products	104	104	103	102	102	102	103	102	103	103	103	103	103
Rubber and misc. plastics products	688	677	672	668	660	651	649	654	656	658	662	664	666
Leather and leather products	105	103	102	101	100	98	97	97	97	99	98	98	97
Service-producing	56,957	56,936	56,883	56,879	56,720	56,638	56,506	56,591	56,640	56,661	56,702	56,781	56,794
Transportation and public utilities	4,852	4,854	4,868	4,869	4,840	4,834	4,825	4,834	4,825	4,834	4,836	4,846	4,849
Wholesale trade	4,968	4,959	4,946	4,924	4,904	4,894	4,879	4,878	4,864	4,861	4,843	4,849	4,843
Retail trade	17,409	17,370	17,321	17,277	17,202	17,132	17,072	17,083	17,081	17,078	17,067	17,063	16,993
Finance, insurance, and real estate	4,886	4,876	4,863	4,869	4,863	4,862	4,851	4,854	4,851	4,837	4,826	4,831	4,831
Services	24,842	24,877	24,885	24,940	24,911	24,916	24,879	24,942	25,019	25,051	25,130	25,192	25,278

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

^p = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 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.
Private nonfarm payrolls, 356 industries ¹												
Over 1-month span:												
1989	64.5	59.0	58.7	53.9	52.7	53.8	52.9	54.6	49.2	56.6	59.6	52.1
1990	58.1	58.1	52.2	48.7	52.8	48.3	46.6	47.8	45.1	41.4	40.3	42.0
1991	38.5	36.9	38.6	38.5	51.1	45.8	51.3	54.8	^P 50.8	^P 48.6		
Over 3-month span:												
1989	67.6	65.2	61.1	56.2	54.5	53.9	54.9	52.5	55.9	56.0	55.8	59.1
1990	58.8	59.0	54.4	50.7	48.7	49.4	45.6	43.7	40.0	37.4	35.8	35.1
1991	31.6	30.8	30.3	38.3	39.5	48.9	51.7	^P 54.2	^P 51.1			
Over 6-month span:												
1989	67.7	65.0	63.3	59.0	56.5	53.4	54.5	55.9	53.8	58.1	57.9	59.1
1990	56.6	55.2	55.2	51.8	47.6	44.9	42.7	38.6	37.2	34.8	30.9	28.8
1991	26.7	31.2	29.5	34.3	41.2	^P 47.5	^P 50.7					
Over 12-month span:												
1989	65.3	65.2	62.2	61.5	61.5	59.6	57.6	56.7	55.8	56.0	55.5	55.6
1990	54.6	54.5	51.4	48.3	46.6	43.5	40.3	35.8	34.1	30.6	32.0	30.2
1991	30.2	30.6	^P 30.2	^P 32.6								
Manufacturing payrolls, 139 industries ¹												
Over 1-month span:												
1989	58.6	50.7	48.9	47.5	47.1	44.2	44.2	45.7	38.8	48.2	48.6	45.3
1990	46.0	51.1	41.4	47.8	41.7	39.6	43.2	40.3	38.8	34.5	27.3	33.8
1991	31.7	28.4	29.9	38.5	46.8	46.0	53.2	53.2	^P 46.4	^P 46.0		
Over 3-month span:												
1989	56.5	54.3	49.3	43.5	42.8	42.1	40.3	36.3	39.9	41.0	41.0	41.7
1990	45.0	43.2	45.0	38.1	38.1	37.4	35.6	31.3	27.0	23.0	21.6	18.3
1991	19.4	16.5	18.0	30.2	36.3	48.9	57.2	^P 56.5	^P 45.7			
Over 6-month span:												
1989	57.9	51.8	48.6	45.0	41.7	38.1	38.1	38.1	35.6	38.8	39.6	39.6
1990	39.9	36.7	37.1	40.3	32.4	30.6	24.1	20.5	21.2	17.3	16.2	11.9
1991	10.4	17.3	19.4	23.4	38.5	^P 45.7	^P 50.4					
Over 12-month span:												
1989	53.6	56.1	51.8	46.4	44.6	41.7	38.1	35.3	34.9	36.3	32.4	32.7
1990	35.3	33.5	31.3	29.5	25.2	20.9	19.8	14.0	12.9	10.1	11.2	10.4
1991	13.3	14.7	^P 14.0	^P 17.3								

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

^P = preliminary.

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

indicates an equal balance between industries with increasing and decreasing employment. Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data (beginning April 1990) and all seasonally adjusted data (beginning January 1987) are subject to revision.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1990	Aug. 1991	Sept. 1991P	Sept. 1990	Aug. 1991	Sept. 1991P	Sept. 1990	Aug. 1991	Sept. 1991P
Alabama	1,648.3	1,628.0	1,635.6	12.9	12.8	12.7	82.1	81.0	80.1
Birmingham	424.0	420.6	423.0	5.9	5.6	5.6	23.7	22.8	22.2
Huntsville	136.9	134.2	133.9	(¹)	(¹)	(¹)	5.7	5.2	5.1
Mobile	179.0	178.0	177.9	(¹)	(¹)	(¹)	11.1	11.5	11.2
Montgomery	136.1	134.3	134.1	(¹)	(¹)	(¹)	7.6	7.6	7.3
Tuscaloosa	67.0	65.3	66.6	3.3	3.4	3.4	4.4	3.9	3.9
Alaska	249.2	256.8	250.6	12.5	12.6	12.1	13.0	13.1	12.9
Arizona	1,498.1	1,489.6	1,520.5	12.6	13.3	13.3	85.2	81.3	81.3
Phoenix	987.5	980.4	998.0	.7	.7	.7	57.3	52.7	53.0
Tucson	254.8	255.7	263.1	2.2	2.4	2.4	15.1	15.8	15.5
Arkansas	943.7	955.4	969.9	4.1	4.0	3.9	40.0	41.2	40.9
Fayetteville-Springdale	57.0	56.1	57.1	(¹)	(¹)	(¹)	1.8	1.9	1.8
Fort Smith	82.1	81.7	80.7	.9	.9	.9	2.8	3.0	3.0
Little Rock-North Little Rock	256.6	256.4	259.6	(¹)	(¹)	(¹)	11.8	12.4	12.3
Pine Bluff	34.7	33.9	34.5	(¹)	(¹)	(¹)	1.6	1.3	1.2
California	12,920.8	12,765.7	12,835.5	38.9	38.0	37.7	681.6	642.9	639.6
Anaheim-Santa Ana	1,219.2	1,202.5	1,208.2	1.3	1.1	1.1	69.3	65.2	64.0
Bakersfield	171.3	170.9	174.5	14.4	14.0	13.9	11.3	11.6	11.6
Fresno	242.2	241.6	246.4	.6	.6	.6	15.1	15.1	14.8
Los Angeles-Long Beach	4,290.4	4,222.9	4,243.1	8.4	8.3	8.2	161.1	151.2	150.9
Modesto	126.9	128.4	126.2	(²)	(²)	(²)	8.9	8.8	8.6
Oakland	909.7	899.9	907.9	3.2	2.9	2.9	53.6	50.6	51.1
Oxnard-Ventura	236.9	232.8	233.0	2.1	2.0	1.9	18.4	17.4	17.4
Riverside-San Bernardino	744.9	744.4	754.6	1.4	1.4	1.4	70.9	64.3	64.1
Sacramento	637.3	633.4	636.6	.6	.6	.5	42.9	39.4	39.6
Salinas-Seaside-Monterey	113.6	115.0	114.9	.3	.3	.3	4.6	4.5	4.5
San Diego	999.1	983.4	989.2	.7	.7	.7	62.5	59.6	58.8
San Francisco	978.1	977.5	978.2	.6	.6	.6	38.4	37.6	37.6
San Jose	833.5	825.3	821.2	.2	.3	.3	35.2	33.8	33.6
Santa Barbara-Santa Maria-Lompoc	150.5	149.3	149.3	1.2	1.2	1.2	7.4	7.4	7.4
Santa Rosa-Petaluma	148.7	148.3	151.1	.5	.5	.5	11.5	11.0	10.8
Stockton	160.6	163.2	164.3	.1	.1	.1	10.1	9.6	9.4
Vallejo-Fairfield-Napa	143.7	143.9	144.2	.7	.6	.6	12.2	12.0	12.1
Colorado	1,537.3	1,545.4	1,559.5	20.6	19.7	19.3	69.0	71.3	71.8
Boulder-Longmont	118.1	116.2	120.0	(¹)	(¹)	(¹)	3.9	4.1	4.1
Denver	848.3	855.6	862.8	11.0	11.4	11.2	35.3	37.3	37.0
Connecticut	1,637.8	1,582.8	1,590.7	1.1	.8	.8	66.7	57.0	54.7
Bridgeport-Milford	191.2	184.8	184.5	(²)	(²)	(²)	7.4	6.5	6.1
Hartford	478.1	450.9	454.5	(¹)	(¹)	(¹)	18.1	15.0	14.1
New Britain	64.5	60.4	61.6	(²)	(²)	(²)	4.8	4.2	4.2
New Haven-Meriden	256.6	244.6	247.5	(¹)	(¹)	(¹)	10.7	9.2	8.7
Stamford	119.8	119.3	118.1	(¹)	(¹)	(¹)	4.7	4.3	4.0
Waterbury	84.9	79.0	79.9	(²)	(²)	(²)	3.8	3.2	3.3
Delaware	348.2	342.0	344.0	.1	.1	.1	20.8	19.7	19.6
Wilmington	299.7	292.1	294.3	.2	.2	.2	18.4	16.9	16.7
District of Columbia	687.4	676.7	679.8	.1	.1	.1	14.6	12.6	12.5
Washington MSA	2,242.9	2,199.7	2,208.2	1.2	1.1	1.1	136.6	120.4	119.5
Florida	5,389.2	5,247.8	5,322.1	8.4	7.8	7.7	323.6	266.0	263.2
Daytona Beach	124.8	123.4	125.6	(²)	(²)	(²)	8.0	7.4	7.4
Fort Lauderdale-Hollywood-Pompano Beach	513.9	501.4	507.2	.2	.2	.2	35.0	28.2	28.0
Fort Myers-Cape Coral	126.9	130.6	133.0	(²)	(²)	(²)	12.7	12.2	12.4
Gainesville	102.4	99.1	101.9	(²)	(²)	(²)	4.2	3.9	3.9
Jacksonville	429.3	421.4	427.5	.7	.6	.6	26.2	22.8	22.5
Lakeland-Winter Haven	155.0	152.2	155.7	3.8	3.6	3.5	8.7	7.6	7.8
Melbourne-Titusville-Palm Bay	164.8	161.2	160.5	(²)	(²)	(²)	9.0	8.0	8.0
Miami-Hialeah	887.5	846.5	860.5	.8	.8	.8	38.8	34.3	34.1
Orlando	569.8	560.3	564.2	(²)	(²)	(²)	37.1	32.6	32.6
Pensacola	131.5	130.5	132.0	.4	.4	.4	7.8	7.9	7.8
Sarasota	117.5	117.4	118.3	(²)	(²)	(²)	9.5	8.3	8.0
Tallahassee	126.6	123.0	127.2	(²)	(²)	(²)	5.8	5.3	5.2
Tampa-St. Petersburg-Clearwater	883.6	874.8	884.3	.6	.5	.5	49.6	39.9	39.7
West Palm Beach-Boca Raton-DeLray Beach	354.2	344.2	348.7	(²)	(²)	(²)	25.7	21.2	20.9

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Alabama	388.8	380.6	380.2	84.4	84.8	84.5	358.0	352.2	351.1
Birmingham	58.0	55.5	55.2	32.7	31.9	31.7	99.7	98.3	97.6
Huntsville	33.4	32.3	32.3	3.2	3.1	3.1	25.5	24.9	24.8
Mobile	28.0	28.0	27.9	10.1	10.9	11.1	47.3	46.9	46.4
Montgomery	18.3	17.6	17.4	5.8	5.7	5.7	30.7	29.7	29.7
Tuscaloosa	10.4	10.4	10.4	2.1	2.1	2.1	14.1	14.4	14.3
Alaska	17.5	22.6	17.1	22.3	23.2	22.9	48.2	49.2	47.8
Arizona	185.2	179.7	179.3	81.8	81.8	81.1	367.3	375.3	377.5
Phoenix	138.0	133.3	132.9	58.5	57.4	56.7	245.5	252.9	255.0
Tucson	26.3	25.4	25.3	9.5	10.4	10.5	60.0	61.1	61.3
Arkansas	236.0	239.7	238.8	57.0	57.7	58.6	209.9	215.1	215.6
Fayetteville-Springdale	14.0	14.2	14.2	5.0	4.6	4.6	12.6	12.6	12.5
Fort Smith	26.3	25.8	24.9	4.8	4.9	4.8	16.6	16.3	16.3
Little Rock-North Little Rock	33.8	32.8	33.1	16.5	16.2	16.2	61.6	62.1	62.2
Pine Bluff	6.3	6.7	6.7	2.7	2.7	2.8	7.4	7.5	7.5
California	2,138.3	2,057.6	2,050.9	634.0	629.0	629.2	3,031.7	2,996.0	2,996.9
Anaheim-Santa Ana	253.1	244.2	244.1	38.1	38.3	38.2	301.9	299.7	299.7
Bakersfield	11.1	11.0	11.0	8.4	8.4	8.5	40.3	40.6	40.6
Fresno	30.0	29.6	30.4	13.5	13.8	13.7	60.1	60.6	60.4
Los Angeles-Long Beach	852.6	804.1	804.8	223.0	220.3	220.3	972.1	956.6	957.6
Modesto	31.7	32.8	30.9	5.4	5.5	5.6	31.2	30.6	30.6
Oakland	114.6	112.6	112.0	62.1	62.7	62.6	221.2	220.9	221.5
Oxnard-Ventura	32.4	30.5	30.1	12.2	11.0	11.1	58.6	58.6	58.3
Riverside-San Bernardino	91.1	88.4	88.6	35.6	35.8	35.5	184.3	187.2	188.1
Sacramento	48.3	48.3	48.3	28.9	29.4	29.3	146.6	145.6	145.9
Salinas-Seaside-Monterey	10.7	10.5	10.3	4.7	4.9	4.7	30.5	30.7	30.8
San Diego	135.6	130.9	131.0	37.2	36.1	36.2	239.6	235.6	235.0
San Francisco	79.6	78.5	78.5	79.1	78.2	78.3	214.3	210.9	211.0
San Jose	266.0	258.2	256.5	23.0	23.3	23.3	169.4	167.2	167.0
Santa Barbara-Santa Maria-Lompoc	21.9	21.3	21.2	5.5	5.6	5.5	34.6	34.0	34.0
Santa Rosa-Petaluma	22.5	21.9	21.9	6.9	6.8	6.8	38.3	40.0	40.2
Stockton	27.6	30.9	29.9	9.3	9.5	9.4	36.5	36.9	36.9
Vallejo-Fairfield-Napa	14.1	13.6	13.5	5.2	5.2	5.2	36.0	36.4	36.6
Colorado	194.4	192.4	192.7	96.7	97.8	97.7	375.9	377.6	377.2
Boulder-Longmont	30.5	30.0	30.5	2.4	2.4	2.3	25.4	25.6	25.9
Denver	94.8	93.6	93.2	69.3	70.4	70.5	207.8	208.7	208.9
Connecticut	339.7	321.3	324.5	75.0	69.8	72.5	364.2	352.2	352.8
Bridgeport-Milford	49.7	46.0	45.9	8.5	8.1	8.2	43.0	42.5	42.5
Hartford	83.6	77.9	79.6	19.4	16.4	18.1	101.8	93.9	94.3
New Britain	18.4	16.6	17.2	3.4	3.0	3.4	13.1	12.8	13.0
New Haven-Meriden	43.4	41.1	41.4	17.5	16.5	16.7	55.1	52.6	53.0
Stamford	19.1	18.8	18.3	6.2	6.4	6.4	27.3	27.2	27.3
Waterbury	20.0	16.9	17.4	3.4	3.3	3.4	17.7	16.7	16.8
Delaware	72.6	69.6	71.9	15.2	14.9	15.4	76.8	76.9	75.8
Wilmington	62.5	59.2	61.2	16.5	16.9	17.1	61.3	60.5	60.6
District of Columbia	15.6	15.0	15.2	24.0	23.7	23.6	61.7	59.0	59.3
Washington MSA	86.8	83.3	83.2	107.8	106.3	106.3	433.8	428.0	425.9
Florida	517.5	493.9	496.7	277.2	267.7	266.4	1,431.3	1,413.9	1,410.9
Daytona Beach	12.0	12.0	12.1	4.2	4.4	4.4	36.2	35.9	35.7
Fort Lauderdale-Hollywood-Pompano Beach	43.8	41.7	41.9	23.2	23.0	22.7	149.4	148.3	148.1
Fort Myers-Cape Coral	6.0	6.0	6.0	5.5	5.8	5.8	37.0	40.5	40.7
Gainesville	5.6	5.7	5.7	2.0	2.0	2.0	22.0	21.5	22.1
Jacksonville	36.0	35.4	35.5	29.6	28.6	28.9	113.3	117.2	117.6
Lakeland-Winter Haven	21.9	20.6	21.0	7.5	7.2	7.3	42.9	43.6	43.8
Melbourne-Titusville-Palm Bay	30.8	29.0	28.9	4.5	4.7	4.6	38.3	37.1	36.8
Miami-Hialeah	88.1	86.3	86.8	72.7	64.8	64.5	239.4	228.2	228.0
Orlando	53.4	51.1	50.9	29.3	29.1	29.1	147.1	146.1	145.7
Pensacola	11.9	11.3	11.2	6.4	6.4	6.4	33.0	33.6	33.6
Sarasota	8.8	8.5	8.5	3.8	3.6	3.6	33.4	33.2	33.2
Tallahassee	4.6	4.2	4.3	3.1	3.2	3.2	27.4	27.4	27.6
Tampa-St. Petersburg-Clearwater	92.3	88.9	88.7	41.7	42.0	41.9	241.4	245.4	245.5
West Palm Beach-Boca Raton-Delray Beach	32.7	31.0	31.1	14.5	14.9	14.8	92.2	90.4	90.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Alabama	74.5	73.8	73.5	324.0	328.2	329.2	323.6	314.6	324.3
Birmingham	30.9	30.6	30.7	107.4	111.1	111.1	65.7	64.8	68.9
Huntsville	4.0	4.0	4.0	33.5	33.6	33.6	31.6	31.1	31.0
Mobile	8.2	7.9	7.9	43.7	45.1	45.5	30.6	27.7	27.9
Montgomery	8.6	8.4	8.4	31.2	31.5	31.5	33.9	33.8	34.1
Tuscaloosa	2.1	2.2	2.1	10.2	9.7	9.6	20.4	19.2	20.8
Alaska	10.3	10.5	10.3	53.1	56.3	55.0	72.3	69.3	72.5
Arizona	95.3	95.3	94.8	407.6	420.0	423.9	263.1	242.9	269.3
Phoenix	76.1	76.1	75.7	276.1	282.4	286.0	135.3	124.9	138.0
Tucson	11.7	11.7	11.7	74.1	77.8	78.4	55.9	51.1	58.0
Arkansas	38.5	39.1	38.9	196.5	206.6	206.8	161.7	152.0	166.4
Fayetteville-Springdale	1.7	1.7	1.7	9.9	9.8	9.9	12.0	11.3	12.4
Fort Smith	2.7	2.7	2.7	19.4	20.5	19.5	8.6	7.6	8.6
Little Rock-North Little Rock	15.6	16.0	15.9	67.5	69.2	69.0	49.8	47.7	50.9
Pine Bluff	1.3	1.2	1.2	7.5	7.2	7.2	7.9	7.3	7.9
California	849.0	842.6	841.0	3,508.7	3,571.7	3,575.5	2,038.6	1,987.9	2,064.7
Anaheim-Santa Ana	103.2	103.6	103.8	330.9	333.6	333.5	121.4	116.8	123.8
Bakersfield	6.9	6.8	6.8	36.2	36.9	36.8	42.7	41.6	45.3
Fresno	13.6	14.1	13.9	58.3	59.6	60.7	51.0	48.2	51.9
Los Angeles-Long Beach	294.0	290.5	290.3	1,255.6	1,276.6	1,282.2	523.6	515.3	528.8
Modesto	5.1	4.8	4.7	25.2	25.9	25.8	19.4	20.0	20.0
Oakland	58.5	57.5	57.2	229.1	232.7	234.1	167.4	160.0	166.5
Oxnard-Ventura	12.2	12.1	12.1	57.3	58.3	58.1	43.7	42.9	44.0
Riverside-San Bernardino	32.9	33.9	33.9	179.8	188.6	190.9	148.9	144.8	152.1
Sacramento	42.1	43.7	43.6	144.2	145.7	145.1	183.7	180.7	184.3
Salinas-Seaside-Monterey	6.3	6.6	6.6	28.9	29.5	29.1	27.6	28.0	28.6
San Diego	68.2	65.7	65.3	279.9	286.1	284.8	175.4	168.7	177.4
San Francisco	108.6	108.6	108.4	321.3	327.9	327.7	136.2	135.2	136.1
San Jose	32.7	32.3	32.2	218.2	222.2	219.6	88.8	88.0	88.7
Santa Barbara-Santa Maria-Lompoc	8.6	8.6	8.5	43.5	44.1	44.2	27.8	27.1	27.3
Santa Rosa-Petaluma	8.9	9.2	9.1	36.1	37.3	37.2	24.0	21.6	24.6
Stockton	9.7	9.8	9.7	33.3	33.5	33.9	34.0	32.9	35.0
Vallejo-Fairfield-Napa	5.4	5.2	5.2	32.6	34.2	33.9	37.5	36.7	37.1
Colorado	98.1	98.4	97.6	405.9	423.8	417.9	276.7	264.4	285.3
Boulder-Longmont	4.2	4.3	4.2	28.7	29.6	29.6	23.0	20.2	23.4
Denver	66.2	66.3	66.3	233.3	242.8	240.4	130.6	125.1	135.3
Connecticut	151.1	148.6	146.5	433.9	433.5	433.4	206.1	199.6	205.5
Bridgeport-Milford	11.5	11.4	11.2	51.9	52.3	52.1	19.2	18.0	18.5
Hartford	74.8	73.5	72.0	117.2	112.1	113.3	63.2	62.1	63.1
New Britain	2.9	2.8	2.7	14.8	14.4	14.3	7.1	6.6	6.8
New Haven-Meriden	17.0	16.1	15.7	81.3	78.8	81.4	31.6	30.3	30.6
Stamford	14.1	14.3	14.1	38.3	38.8	37.9	10.1	9.5	10.1
Waterbury	4.7	4.4	4.3	22.4	22.0	22.0	12.9	12.5	12.7
Delaware	32.2	32.4	32.1	85.9	84.3	84.9	44.6	44.1	44.2
Wilmington	28.8	28.9	28.7	76.0	74.8	74.9	36.0	34.7	34.9
District of Columbia	33.2	32.2	32.2	261.4	259.2	261.9	276.8	274.9	275.0
Washington MSA	130.7	127.8	126.7	760.8	763.5	762.4	585.2	569.3	583.1
Florida	371.0	357.3	354.4	1,608.1	1,638.0	1,635.2	852.1	803.2	887.6
Daytona Beach	5.8	5.6	5.6	37.3	37.3	37.4	21.3	20.8	23.0
Fort Lauderdale-Hollywood-Pompano Beach	40.4	39.0	39.0	154.1	154.7	154.8	67.8	66.3	72.5
Fort Myers-Cape Coral	9.4	8.8	8.8	36.3	37.8	38.0	19.9	19.4	21.2
Gainesville	4.7	4.7	4.6	26.1	26.1	26.4	37.7	35.1	37.1
Jacksonville	42.8	42.1	42.0	115.5	115.1	115.2	65.2	59.6	65.2
Lakeland-Winter Haven	9.1	8.8	8.8	38.1	38.8	39.4	23.0	22.0	24.1
Melbourne-Titusville-Palm Bay	5.7	5.3	5.2	53.2	53.8	53.3	23.3	23.3	23.7
Miami-Hialeah	70.7	69.6	69.0	253.9	247.9	250.8	123.1	114.6	126.5
Orlando	32.7	31.5	31.3	203.7	210.0	206.7	66.4	59.8	67.8
Pensacola	5.7	5.7	5.7	35.1	35.7	35.6	31.2	29.5	31.3
Sarasota	8.3	8.1	8.1	40.0	42.6	42.7	13.7	13.1	14.2
Tallahassee	5.3	5.3	5.3	27.9	28.2	28.3	52.2	49.1	53.0
Tampa-St. Petersburg-Clearwater	65.3	63.6	63.4	278.0	286.6	287.0	114.7	107.9	117.6
West Palm Beach-Boca Raton-Delray Beach	28.2	27.0	27.0	114.1	116.2	117.2	46.8	43.5	47.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1990	Aug. 1991	Sept. 1991P	Sept. 1990	Aug. 1991	Sept. 1991P	Sept. 1990	Aug. 1991	Sept. 1991P
Georgia	3,009.6	2,951.0	2,952.6	8.8	8.4	8.4	150.0	132.3	129.7
Albany	49.9	50.2	50.1	(?)	(?)	(?)	2.8	2.9	3.0
Athens	67.2	65.8	66.1	.1	.1	.1	2.6	2.5	2.5
Atlanta	1,491.0	1,460.1	1,457.6	1.2	1.1	1.1	69.7	61.6	61.0
Augusta	184.0	182.0	181.4	.6	.6	.6	18.4	17.2	16.7
Columbus	97.0	97.7	97.1	.1	.1	.1	5.4	5.8	5.5
Macon-Warner Robins	129.2	126.9	127.2	.2	.1	.1	5.2	4.6	4.8
Savannah	114.5	113.6	113.9	(?)	(?)	(?)	10.5	10.4	10.2
Hawaii	520.7	533.1	527.9	(?)	(?)	(?)	32.3	33.3	32.9
Honolulu	402.3	410.4	405.6	(?)	(?)	(?)	24.1	24.9	24.9
Idaho	400.8	400.4	408.6	4.1	3.1	3.1	21.4	23.3	23.1
Boise City	109.0	110.2	109.2	(')	(')	(')	6.7	6.5	6.3
Illinois	5,290.9	5,286.4	5,313.6	20.2	19.9	19.8	233.7	230.3	227.6
Aurora-Elgin	149.0	151.7	150.8	(')	(')	(')	9.0	9.5	9.3
Bloomington-Normal	67.7	64.8	68.2	(')	(')	(')	2.9	2.5	2.5
Champaign-Urbana-Rantoul	89.8	88.4	90.0	(')	(')	(')	2.8	2.8	2.8
Chicago	3,205.4	3,218.5	3,234.0	2.4	2.2	2.1	136.1	136.1	134.4
Davenport-Rock Island-Moline	165.8	164.1	166.0	(')	(')	(')	7.2	7.1	7.1
Decatur	54.5	54.0	54.5	(')	(')	(')	3.6	3.7	3.7
Joliet	108.0	109.0	110.3	(')	(')	(')	8.4	8.9	8.9
Kankakee	36.4	36.7	36.8	(')	(')	(')	1.9	2.0	2.0
Lake County	221.5	227.9	226.1	(')	(')	(')	12.2	12.1	12.1
Peoria	151.0	150.6	151.9	(')	(')	(')	8.5	8.6	8.7
Rockford	139.9	134.3	138.1	(')	(')	(')	6.3	6.2	6.1
Springfield	105.7	112.6	107.0	(')	(')	(')	3.7	4.2	4.3
Indiana	2,554.4	2,523.4	2,551.5	8.3	7.6	7.5	127.9	128.4	125.5
Anderson	50.9	49.5	50.7	(')	(')	(')	1.5	1.5	1.2
Bloomington	57.5	54.8	59.0	(')	(')	(')	2.6	2.8	2.8
Elkhart-Goshen	103.0	104.9	104.8	(')	(')	(')	3.8	3.8	3.7
Evansville	136.2	137.4	139.0	2.1	1.9	1.9	7.5	7.5	7.6
Fort Wayne	206.6	205.3	206.9	(')	(')	(')	10.7	10.9	10.6
Gary-Hammond	251.0	247.1	251.2	(')	(')	(')	17.6	16.8	16.8
Indianapolis	679.1	684.9	689.4	.8	.8	.8	40.0	40.6	40.5
Kokomo	47.5	45.5	45.9	(')	(')	(')	1.5	1.6	1.6
Lafayette-West Lafayette	72.4	66.4	72.1	(')	(')	(')	2.9	2.8	2.7
Muncie	55.5	53.9	57.1	(')	(')	(')	2.4	2.6	2.5
South Bend-Mishawaka	121.4	119.7	123.2	(')	(')	(')	7.1	8.1	7.9
Terre Haute	59.7	58.7	61.0	.5	.6	.6	3.0	2.7	2.7
Iowa	1,238.0	1,223.9	1,241.8	2.2	2.2	2.2	51.3	52.2	50.9
Cedar Rapids	94.6	93.9	94.0	(')	(')	(')	4.7	4.8	4.7
Des Moines	233.6	231.6	231.9	(')	(')	(')	10.2	10.2	10.0
Dubuque	45.8	44.6	46.1	(')	(')	(')	2.0	2.0	1.9
Iowa City	55.4	53.9	55.1	(')	(')	(')	1.8	1.9	1.8
Sioux City	55.5	56.1	56.5	(')	(')	(')	2.8	3.0	2.9
Waterloo-Cedar Falls	71.0	69.3	71.9	(')	(')	(')	2.5	2.6	2.6
Kansas	1,089.8	1,081.4	1,098.7	9.9	10.0	9.8	43.8	44.9	44.8
Lawrence	38.2	35.9	37.7	(')	(')	(')	1.9	1.8	1.7
Topeka	90.9	89.6	89.8	(')	(')	(')	3.7	3.8	3.7
Wichita	242.9	245.5	247.7	1.9	1.9	1.8	10.1	11.2	10.9
Kentucky	1,490.4	1,490.5	1,498.0	35.9	34.5	34.2	71.0	70.2	69.3
Lexington-Fayette	202.5	198.6	199.8	.3	.3	.3	10.9	10.1	9.8
Louisville	483.8	492.6	489.3	.6	.6	.6	24.7	24.2	23.6
Owensboro	36.8	36.4	36.8	.6	.4	.4	2.3	2.3	2.2
Louisiana	1,611.1	1,613.5	1,630.4	55.7	55.9	55.0	95.3	96.3	97.0
Alexandria	46.8	46.8	47.0	.1	.1	.1	3.3	3.5	3.4
Baton Rouge	237.6	236.4	240.2	.9	.9	.9	27.2	27.0	27.0
Houma-Thibodaux	57.7	59.6	59.6	5.3	5.8	5.6	2.0	2.6	2.6
Lafayette	98.6	100.2	98.9	13.0	12.5	12.3	4.4	4.6	4.4
Lake Charles	67.1	69.1	68.9	1.3	1.3	1.2	6.1	7.9	8.0
Monroe	58.4	57.8	60.1	.4	.4	.5	2.7	3.0	3.6
New Orleans	538.7	540.1	540.2	13.9	13.9	14.0	23.2	23.8	24.0
Shreveport	133.7	133.2	134.8	3.0	2.9	3.0	6.3	6.6	6.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Georgia	555.7	542.9	544.6	200.9	193.5	194.3	751.1	728.6	723.4
Albany	8.3	8.1	8.0	2.9	2.8	2.7	11.9	12.4	12.3
Athens	15.2	14.8	14.9	2.0	1.9	1.9	15.7	15.0	15.3
Atlanta	170.3	169.9	170.6	130.6	124.8	125.8	407.7	392.3	387.6
Augusta	41.5	41.8	41.7	4.7	4.6	4.5	39.2	38.3	38.0
Columbus	20.8	20.4	20.6	3.3	3.3	3.2	20.6	19.5	19.5
Macon-Warner Robins	19.3	18.6	18.5	5.2	5.3	5.3	29.0	28.6	28.7
Savannah	17.4	16.7	16.9	9.5	9.4	9.6	27.4	26.8	26.5
Hawaii	20.7	20.5	20.3	42.3	42.1	42.2	135.8	136.0	135.2
Honolulu	15.7	15.2	15.1	34.5	34.5	34.4	102.5	102.1	101.5
Idaho	65.8	63.4	65.3	20.6	20.6	20.9	100.5	101.5	102.1
Boise City	16.1	16.5	16.0	5.8	6.0	6.0	27.4	27.0	27.0
Illinois	985.2	973.9	976.1	308.1	306.9	309.4	1,262.4	1,277.7	1,274.9
Aurora-Elgin	38.2	38.6	38.7	3.7	3.7	3.8	39.6	40.8	40.6
Bloomington-Normal	7.7	7.8	7.8	3.2	3.0	3.0	15.6	15.1	15.5
Champaign-Urbana-Rantoul	9.9	9.7	9.7	2.4	2.4	2.4	18.9	19.0	19.3
Chicago	560.4	556.6	557.6	209.3	207.9	209.0	754.6	770.7	770.2
Davenport-Rock Island-Moline	32.7	31.5	32.4	7.4	7.6	7.6	47.6	47.3	47.1
Decatur	14.6	14.5	14.4	4.2	4.3	4.3	12.0	11.5	11.4
Joliet	19.9	19.9	19.9	8.5	8.6	8.7	25.4	25.9	25.9
Kankakee	5.8	5.7	5.6	2.3	2.2	2.2	8.9	9.1	9.2
Lake County	48.4	48.8	48.7	5.9	5.9	5.9	58.8	61.9	61.3
Peoria	33.8	33.0	33.1	7.0	7.1	7.2	35.6	35.6	35.8
Rockford	48.8	44.0	47.3	4.8	4.8	4.9	30.1	30.1	30.1
Springfield	4.3	4.2	4.2	4.8	4.8	4.8	22.9	25.4	23.4
Indiana	639.8	629.4	631.3	132.9	134.9	134.8	602.3	601.6	598.8
Anderson	16.4	15.9	16.4	1.2	1.1	1.2	12.1	11.9	11.8
Bloomington	9.4	9.1	9.1	1.7	1.8	1.8	13.0	12.2	12.9
Elkhart-Goshen	51.1	52.0	51.8	3.4	3.2	3.2	18.9	19.3	18.6
Evansville	30.7	31.2	31.2	7.0	6.9	6.8	35.4	35.2	35.3
Fort Wayne	51.5	50.9	51.1	13.9	14.5	14.4	51.2	50.9	50.6
Gary-Hammond	57.2	55.9	55.7	16.7	16.8	16.7	59.1	60.5	60.1
Indianapolis	111.3	110.8	110.9	44.1	43.9	43.8	172.5	176.0	175.3
Kokomo	19.1	17.4	17.5	1.4	1.4	1.4	10.5	9.9	9.8
Lafayette-West Lafayette	14.0	14.0	13.9	2.0	2.1	2.1	14.8	14.2	14.5
Muncie	11.5	11.1	11.1	2.7	2.7	2.7	13.2	12.9	12.9
South Bend-Mishawaka	21.9	20.9	21.0	5.6	5.6	5.5	31.4	31.3	31.2
Terre Haute	10.9	11.4	11.4	2.8	2.8	2.7	16.0	16.2	16.3
Iowa	238.2	232.0	232.9	55.9	55.5	55.0	311.1	311.3	310.4
Cedar Rapids	21.9	21.3	21.2	6.1	6.1	5.9	22.7	22.5	22.5
Des Moines	26.7	26.0	25.8	12.4	12.3	12.1	59.4	59.0	58.5
Dubuque	12.6	11.4	12.9	1.7	1.7	1.7	10.7	10.6	10.4
Iowa City	4.4	4.8	4.9	1.4	1.4	1.6	11.2	10.9	11.3
Sioux City	11.0	10.6	10.7	3.1	3.3	3.3	14.1	14.1	14.0
Waterloo-Cedar Falls	17.2	16.8	16.7	1.8	1.9	1.9	16.8	16.8	17.0
Kansas	186.3	185.6	185.9	66.7	68.2	68.9	267.9	268.4	268.0
Lawrence	4.7	4.7	4.7	1.0	1.0	1.0	8.3	7.7	8.0
Topeka	9.1	9.2	8.9	7.0	6.8	6.8	19.8	19.2	19.1
Wichita	64.0	63.9	63.6	11.7	11.5	11.5	56.2	58.0	57.8
Kentucky	287.8	284.2	283.8	80.7	82.9	82.1	354.9	356.0	355.0
Lexington-Fayette	33.2	32.2	32.2	9.0	9.4	9.3	45.2	44.4	44.8
Louisville	88.2	88.7	87.0	31.3	31.6	31.5	121.1	123.7	123.4
Owensboro	6.7	6.6	6.6	2.2	2.4	2.3	9.6	9.4	9.4
Louisiana	187.0	184.7	185.2	111.8	110.8	111.0	372.9	378.5	378.8
Alexandria	3.2	3.2	3.2	2.4	2.4	2.4	10.5	10.5	10.5
Baton Rouge	22.9	23.4	23.4	11.1	11.3	11.3	53.9	54.7	54.8
Houma-Thibodaux	5.9	6.1	6.0	6.8	6.7	6.7	14.7	14.9	14.7
Lafayette	9.1	9.5	9.5	7.1	7.1	7.0	25.3	26.0	26.0
Lake Charles	11.5	10.0	9.9	4.3	4.6	4.6	15.6	15.9	15.7
Monroe	7.7	7.8	7.9	3.1	3.0	3.0	14.9	15.0	15.1
New Orleans	45.6	45.0	44.5	44.4	43.8	44.0	134.1	133.8	134.3
Shreveport	18.1	17.6	17.4	8.1	8.2	8.1	31.8	32.9	33.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Georgia	163.6	163.0	162.1	651.4	653.7	653.4	528.2	528.6	536.7
Albany	2.1	2.2	2.2	9.1	9.3	9.2	12.8	12.5	12.7
Athens	2.2	2.1	2.1	10.9	11.1	11.5	18.5	18.3	17.8
Atlanta	108.1	107.9	107.5	383.1	381.2	380.6	220.4	221.3	223.4
Augusta	6.2	5.9	5.9	36.9	37.4	37.7	36.5	36.2	36.3
Columbus	6.2	6.5	6.5	20.0	21.1	20.9	20.6	21.0	20.8
Macon-Warner Robins	7.9	8.4	8.4	27.3	26.7	26.7	35.1	34.6	34.7
Savannah	5.0	5.3	5.4	27.8	28.6	28.8	16.9	16.4	16.5
Hawaii	37.5	38.0	37.9	155.4	159.7	160.4	96.7	103.5	99.0
Honolulu	30.1	30.5	30.3	116.1	118.6	119.0	79.3	84.6	80.4
Idaho	20.0	20.6	20.6	84.7	88.0	88.5	83.7	79.9	85.0
Boise City	8.3	8.3	8.4	24.6	26.1	25.7	20.1	19.8	19.8
Illinois	375.5	376.9	375.3	1,352.5	1,377.5	1,375.1	753.3	723.3	755.4
Aurora-Elgin	8.2	8.5	8.4	34.5	35.7	35.2	15.8	14.9	14.8
Bloomington-Normal	11.2	11.5	11.4	14.1	15.0	14.9	13.0	9.9	13.1
Champaign-Urbana-Rantoul	3.3	3.3	3.3	18.0	19.1	19.0	34.5	32.1	33.5
Chicago	268.5	268.4	266.6	900.8	913.8	918.8	373.3	362.8	375.3
Davenport-Rock Island-Moline	7.8	7.8	7.8	37.3	38.5	37.9	25.8	24.3	26.1
Decatur	2.3	2.3	2.3	12.2	12.6	12.5	5.6	5.1	5.9
Joliet	3.7	3.8	3.8	24.5	25.5	25.3	17.6	16.4	17.8
Kankakee	2.1	1.9	1.8	9.0	10.0	9.7	6.4	5.8	6.3
Lake County	13.3	13.6	13.5	51.5	56.1	53.3	31.4	29.5	31.3
Peoria	7.7	7.7	7.8	41.5	42.9	42.2	16.9	15.7	17.1
Rockford	5.5	5.6	5.5	31.7	32.3	32.1	12.7	11.3	12.1
Springfield	8.1	8.1	8.1	27.3	30.6	27.5	34.6	35.3	34.7
Indiana	123.1	127.1	125.8	540.4	548.2	552.6	379.8	346.2	375.2
Anderson	1.6	1.6	1.6	11.4	11.2	11.4	6.7	6.3	7.0
Bloomington	1.9	1.9	1.9	10.4	11.9	11.9	18.5	15.0	18.7
Elkhart-Goshen	2.9	2.5	2.4	16.6	18.1	18.1	6.3	6.0	6.9
Evansville	5.3	5.5	5.4	35.1	36.3	36.4	13.2	12.9	14.3
Fort Wayne	12.8	13.2	13.1	47.4	47.5	47.4	19.2	17.5	19.7
Gary-Hammond	8.4	8.6	8.5	58.7	59.7	60.6	33.2	28.7	32.8
Indianapolis	49.9	53.0	52.2	160.2	161.3	161.8	100.3	98.5	104.1
Kokomo	1.4	1.4	1.4	7.4	7.6	7.6	6.3	6.2	6.7
Lafayette-West Lafayette	3.0	3.1	3.0	13.2	13.3	13.2	22.5	16.9	22.7
Muncie	1.7	1.7	1.7	12.2	12.8	12.7	11.9	10.1	13.3
South Bend-Mishawaka	6.3	6.6	6.6	37.2	35.3	38.8	11.9	11.9	12.2
Terre Haute	2.1	2.1	2.1	12.9	12.8	13.1	11.6	10.1	12.0
Iowa	69.5	72.2	71.5	293.7	294.9	302.6	216.1	203.6	216.3
Cedar Rapids	4.7	5.0	5.0	23.0	23.3	23.2	11.5	10.9	11.5
Des Moines	31.8	32.9	32.6	61.6	60.5	61.5	31.5	30.7	31.4
Dubuque	1.5	1.6	1.6	13.4	13.7	13.7	3.9	3.6	3.9
Iowa City	1.4	1.5	1.4	9.8	9.8	10.0	25.4	23.6	24.1
Sioux City	2.5	2.6	2.6	15.8	16.7	16.8	6.2	5.8	6.2
Waterloo-Cedar Falls	3.1	3.4	3.4	16.6	16.5	17.1	13.0	11.3	13.2
Kansas	57.8	58.7	57.9	244.9	250.7	251.1	212.5	194.9	212.3
Lawrence	1.6	1.6	1.6	8.2	8.4	8.5	12.5	10.7	12.2
Topeka	6.3	6.4	6.4	23.2	23.3	23.1	21.8	20.9	21.8
Wichita	11.3	11.5	11.4	58.8	61.5	61.9	28.9	26.0	28.8
Kentucky	61.6	62.0	61.2	333.9	341.3	341.4	264.6	259.4	271.0
Lexington-Fayette	9.3	9.7	9.6	50.6	50.1	50.3	44.0	42.4	43.5
Louisville	27.9	28.2	28.1	126.3	130.5	129.1	63.7	65.1	65.8
Owensboro	1.5	1.5	1.5	8.4	8.6	8.6	5.5	5.2	5.8
Louisiana	78.7	79.3	79.1	381.3	381.1	385.1	328.4	326.9	339.2
Alexandria	2.1	2.1	2.0	12.4	12.6	12.6	12.8	12.4	12.8
Baton Rouge	13.0	13.0	13.0	54.6	55.4	55.0	54.0	50.7	54.8
Houma-Thibodaux	2.1	2.1	2.1	10.8	11.1	10.9	10.1	10.3	11.0
Lafayette	3.4	3.4	3.4	22.6	23.3	22.7	13.7	13.8	13.6
Lake Charles	2.6	2.8	2.8	14.8	15.7	15.6	10.9	10.9	11.1
Monroe	4.3	4.5	4.5	13.3	13.4	13.6	12.0	10.7	11.9
New Orleans	31.8	31.2	31.4	156.1	156.5	159.4	89.6	92.1	88.6
Shreveport	6.3	6.7	6.6	33.8	34.0	34.3	26.3	24.3	25.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1990	Aug. 1991	Sept. 1991P	Sept. 1990	Aug. 1991	Sept. 1991P	Sept. 1990	Aug. 1991	Sept. 1991P
Maine	544.9	519.8	524.2	0.2	0.2	0.2	30.1	26.1	25.7
Lewiston-Auburn	40.1	37.2	37.9	(?)	(?)	(?)	2.0	1.8	1.8
Portland	131.6	125.6	125.8	(?)	(?)	(?)	6.9	5.7	5.8
Maryland	2,185.0	2,146.8	2,151.4	2.1	2.2	2.2	162.0	155.5	153.4
Baltimore MSA	1,156.1	1,138.1	1,137.5	.5	.5	.6	77.5	73.9	72.9
Baltimore City	471.2	462.0	461.4	(!)	(!)	(!)	19.5	18.2	18.0
Suburban Maryland-D.C.	781.4	766.6	772.0	(!)	(!)	(!)	70.1	65.6	65.1
Massachusetts	2,957.4	2,795.5	2,805.4	1.5	1.6	1.6	101.5	78.5	77.6
Boston	1,651.6	1,574.2	1,578.5	.6	.7	.7	51.7	41.8	41.3
Brockton	70.0	66.2	66.7	(?)	(?)	(?)	2.3	2.3	2.3
Fall River	52.1	50.0	50.6	(?)	(?)	(?)	1.9	1.7	1.7
Fitchburg-Leominster	38.1	35.4	36.0	(?)	(?)	(?)	1.6	1.2	1.2
Lawrence-Haverhill	155.3	145.3	146.4	(?)	(?)	(?)	5.8	4.6	4.5
Lowell	98.8	91.9	93.2	(!)	(!)	(!)	3.7	3.3	3.3
New Bedford	64.7	62.8	61.6	(?)	(?)	(?)	2.6	2.1	2.1
Pittsfield	41.8	41.2	40.7	.1	.1	.1	2.3	2.1	2.0
Springfield	233.3	223.5	225.3	.2	.2	.2	8.4	6.6	6.4
Worcester	190.2	176.8	178.9	.2	.2	.2	6.9	5.1	5.1
Michigan	3,970.0	3,851.4	3,897.5	8.1	9.5	9.4	150.5	140.3	137.2
Ann Arbor	180.8	170.4	180.9	(!)	(!)	(!)	5.5	4.1	3.9
Battle Creek	61.2	59.3	60.4	(!)	(!)	(!)	2.6	2.6	2.5
Benton Harbor	68.2	66.9	67.1	(!)	(!)	(!)	2.1	2.3	2.2
Detroit	1,946.6	1,887.6	1,893.1	1.1	1.2	1.2	67.2	62.4	62.6
Flint	175.3	170.1	169.9	(!)	(!)	(!)	5.7	5.4	5.4
Grand Rapids	362.2	358.9	363.7	(!)	(!)	(!)	17.6	16.5	15.9
Jackson	55.8	53.8	54.5	(!)	(!)	(!)	2.5	2.2	2.2
Kalamazoo	117.4	111.9	115.6	(!)	(!)	(!)	4.3	4.0	3.9
Lansing-East Lansing	214.6	208.8	211.0	(!)	(!)	(!)	6.8	6.7	6.3
Muskegon	60.0	59.3	63.3	(!)	(!)	(!)	2.9	2.6	2.6
Saginaw-Bay City-Midland	166.0	167.2	167.5	(!)	(!)	(!)	8.6	8.6	8.7
Minnesota	2,150.6	2,144.1	2,159.6	8.9	9.1	9.0	89.6	86.9	85.6
Duluth	100.6	99.2	100.2	5.5	5.5	5.5	4.0	4.2	4.2
Minneapolis-St. Paul	1,376.0	1,377.8	1,383.2	(?)	(?)	(?)	54.7	52.5	51.5
Rochester	67.2	67.4	67.5	(!)	(!)	(!)	2.6	2.4	2.4
St. Cloud	80.1	78.9	82.0	(!)	(!)	(!)	4.4	3.9	3.9
Mississippi	947.5	936.5	954.4	6.0	5.9	5.8	38.4	35.4	35.2
Jackson	188.0	185.4	189.0	.6	.6	.6	7.8	7.1	7.0
Missouri	2,362.1	2,316.8	2,343.6	5.3	4.9	4.9	106.1	106.5	104.1
Kansas City	789.2	785.6	788.1	(!)	(!)	(!)	34.1	35.2	35.1
St. Louis	1,194.5	1,169.9	1,179.1	(!)	(!)	(!)	58.6	55.8	54.5
Springfield	123.4	120.6	123.4	(!)	(!)	(!)	5.0	5.1	5.0
Montana	303.5	305.1	309.3	6.4	6.2	6.0	12.4	12.4	12.4
Nebraska	738.5	769.4	777.7	1.8	2.0	1.9	29.2	35.4	35.0
Lincoln	123.2	123.2	126.0	(!)	(!)	(!)	4.3	4.5	4.4
Omaha	334.2	349.0	350.0	(!)	(!)	(!)	13.8	15.5	15.4
Nevada	640.1	639.8	644.2	14.7	14.9	14.5	50.8	47.0	46.9
Las Vegas	386.4	387.2	389.4	.3	.3	.2	36.6	33.7	32.9
Reno	146.9	145.1	146.8	1.5	1.5	1.5	7.9	7.7	7.8
New Hampshire	513.8	484.8	489.4	.5	.4	.4	23.2	18.5	17.7
Manchester	81.7	78.0	78.6	(!)	(!)	(!)	3.4	2.5	2.4
Nashua	88.5	81.8	84.1	(!)	(!)	(!)	3.2	2.0	2.0
Portsmouth-Dover-Rochester	115.6	108.2	108.9	(!)	(!)	(!)	3.9	3.5	3.5
New Jersey	3,664.0	3,576.1	3,560.1	2.4	2.3	2.3	150.4	133.1	132.6
Atlantic City	182.8	185.9	178.5	(!)	(!)	(!)	8.0	7.0	6.6
Bergen-Passaic	651.8	625.1	624.6	(!)	(!)	(!)	28.5	24.6	24.8
Camden	447.2	437.4	438.7	(!)	(!)	(!)	23.5	22.2	21.9
Jersey City	249.2	235.5	236.1	(!)	(!)	(!)	6.6	4.7	4.8
Middlesex-Somerset-Hunterdon	545.1	538.8	538.3	.7	.7	.7	22.5	20.6	20.3
Monmouth-Ocean	335.4	343.7	331.6	(!)	(!)	(!)	15.8	14.7	14.6
Newark	935.2	911.8	909.3	.8	.6	.5	35.8	32.8	33.0
Trenton	196.7	189.5	190.2	(!)	(!)	(!)	4.7	4.5	4.5
Vineland-Millville-Bridgeton	60.5	59.3	59.5	.4	.4	.3	2.3	2.3	2.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Maine	103.5	97.1	96.7	22.7	22.3	22.2	137.0	133.2	130.7
Lewiston-Auburn	8.9	8.2	8.2	1.4	1.3	1.3	10.6	9.9	9.9
Portland	16.7	16.3	16.4	6.5	7.3	7.0	39.3	37.0	35.7
Maryland	206.8	199.0	198.5	103.1	100.9	101.5	536.6	530.8	526.4
Baltimore MSA	130.3	124.5	124.3	57.1	56.1	56.6	269.3	265.5	264.6
Baltimore City	44.9	43.4	43.2	28.3	27.7	27.8	87.6	85.2	84.9
Suburban Maryland-D.C.	35.8	35.2	35.5	32.6	33.4	33.7	197.7	197.5	195.8
Massachusetts	515.3	482.2	482.4	129.2	120.4	124.0	701.6	648.6	649.3
Boston	237.3	224.2	224.6	75.1	72.4	72.8	363.9	340.2	342.2
Brockton	9.2	8.3	8.4	4.7	4.1	4.1	22.5	21.3	21.3
Fall River	13.9	13.1	13.1	2.0	1.7	1.7	13.1	13.1	13.1
Fitchburg-Leominster	10.9	10.5	10.3	1.4	1.2	1.3	9.7	9.0	9.1
Lawrence-Haverhill	44.2	41.6	41.6	6.4	5.6	5.8	36.5	34.3	34.2
Lowell	30.5	28.7	28.3	5.1	4.6	5.1	22.1	20.6	20.9
New Bedford	15.8	15.3	15.3	2.9	2.7	2.8	16.9	16.2	16.1
Pittsfield	9.3	8.7	8.8	1.2	1.3	1.3	9.7	9.4	9.3
Springfield	45.8	43.5	43.8	10.3	9.7	10.2	53.5	50.6	50.8
Worcester	40.0	37.5	37.5	9.1	8.2	8.3	45.3	42.0	42.1
Michigan	953.9	893.7	905.7	160.2	157.7	158.3	944.3	931.9	927.4
Ann Arbor	39.6	35.1	37.7	5.3	5.4	5.4	32.1	31.7	32.5
Battle Creek	16.2	15.6	15.6	1.6	1.6	1.6	12.8	12.8	12.8
Benton Harbor	22.1	21.2	21.2	2.8	2.8	2.8	14.6	13.9	13.7
Detroit	448.3	423.9	426.4	90.4	89.8	90.2	470.5	458.2	452.3
Flint	53.2	47.9	47.6	4.6	4.7	4.8	44.1	43.7	43.4
Grand Rapids	103.2	100.7	101.6	12.3	11.9	11.9	97.1	98.5	98.7
Jackson	13.2	12.0	12.2	3.9	3.6	3.6	13.7	13.6	13.5
Kalamazoo	29.6	28.3	28.5	3.3	3.5	3.5	26.8	25.3	25.6
Lansing-East Lansing	31.9	28.4	31.7	5.8	5.9	5.9	47.6	47.0	47.3
Muskegon	16.5	16.0	16.0	2.2	2.2	2.2	14.7	14.7	14.6
Saginaw-Bay City-Midland	44.5	43.9	43.6	6.4	6.3	6.3	41.3	43.1	42.8
Minnesota	406.4	402.1	400.0	110.6	107.6	110.3	522.8	525.4	522.5
Duluth	8.9	9.0	9.3	6.3	6.2	6.2	24.8	24.2	24.3
Minneapolis-St. Paul	260.9	256.6	255.5	77.6	75.6	77.3	331.2	333.3	331.6
Rochester	12.3	11.9	11.8	1.9	1.9	1.9	13.6	13.6	13.5
St. Cloud	14.7	15.8	15.6	3.9	4.2	4.2	23.3	23.6	23.5
Mississippi	248.2	246.5	248.1	45.9	45.3	45.4	200.5	204.4	204.3
Jackson	21.7	21.6	22.1	12.9	13.0	13.0	44.4	44.5	44.6
Missouri	436.7	420.2	419.5	155.7	151.9	154.1	564.9	558.5	556.4
Kansas City	109.7	109.3	109.5	63.8	63.6	63.9	200.5	199.0	198.2
St. Louis	224.8	211.2	210.7	78.8	77.7	78.1	281.4	280.4	277.1
Springfield	22.0	21.7	21.7	7.6	7.4	7.5	35.3	34.7	34.9
Montana	23.3	23.3	23.2	20.4	20.5	20.5	80.1	82.2	81.5
Nebraska	99.9	103.2	103.7	46.0	46.2	46.3	186.9	195.1	195.1
Lincoln	15.3	15.3	15.3	6.8	6.9	7.0	26.6	26.3	26.9
Omaha	37.5	40.0	40.3	23.4	23.4	23.6	82.6	86.0	85.1
Nevada	27.0	26.5	26.5	33.0	33.9	33.8	128.2	130.1	130.4
Las Vegas	11.0	10.1	10.1	19.7	20.5	20.4	76.9	78.3	78.8
Reno	8.8	8.9	8.8	9.8	9.8	9.8	34.4	34.0	34.1
New Hampshire	106.0	99.7	100.5	17.9	16.4	16.9	129.8	122.6	119.5
Manchester	11.1	11.0	10.7	4.7	4.6	4.6	21.4	19.7	19.8
Nashua	30.5	28.5	29.1	2.3	2.2	2.2	20.9	19.5	19.1
Portsmouth-Dover-Rochester	20.6	19.8	19.8	3.1	2.9	2.9	30.2	28.5	27.7
New Jersey	600.0	556.8	558.6	239.1	228.8	233.7	877.7	854.1	849.0
Atlantic City	7.6	7.0	7.2	7.1	7.3	7.2	41.8	46.3	40.5
Bergen-Passaic	136.5	126.1	126.9	30.7	28.7	28.8	185.6	175.6	175.9
Camden	66.6	61.9	62.2	19.1	18.8	19.2	120.6	115.5	116.7
Jersey City	40.1	35.7	35.8	30.6	27.5	27.7	63.2	61.7	61.4
Middlesex-Somerset-Hunterdon	107.2	104.5	104.7	42.4	41.3	43.7	132.9	126.6	127.7
Monmouth-Ocean	25.5	23.3	22.9	15.3	15.4	15.7	92.5	95.4	90.1
Newark	158.3	147.8	149.2	77.6	75.5	76.9	185.9	178.0	178.5
Trenton	26.5	24.8	24.7	7.3	6.8	7.5	31.3	29.6	29.7
Vineland-Millville-Bridgeton	15.9	15.1	15.4	2.5	2.4	2.3	11.6	10.6	10.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Maine	25.0	25.4	25.2	132.2	134.1	129.8	94.2	81.4	93.7
Lewiston-Auburn	2.3	2.2	2.1	10.6	10.2	10.5	4.3	3.6	4.1
Portland	12.2	12.6	12.6	34.6	33.4	32.8	15.4	13.3	15.5
Maryland	132.0	130.5	128.7	629.1	630.8	627.9	413.3	397.1	412.8
Baltimore MSA	75.5	74.8	74.0	332.7	335.3	333.4	213.2	207.5	211.1
Baltimore City	44.8	43.7	43.0	155.2	153.8	154.4	90.9	90.0	90.1
Suburban Maryland-D.C.	46.8	45.9	45.3	236.1	237.5	235.0	162.3	151.5	161.6
Massachusetts	213.4	207.3	205.7	914.4	899.8	896.7	380.5	357.1	368.1
Boston	144.9	138.0	137.1	584.1	574.2	572.9	194.0	182.7	186.9
Brockton	3.2	3.1	3.1	16.1	16.2	16.3	12.0	10.9	11.2
Fall River	3.3	3.2	3.1	11.0	11.0	11.0	6.9	6.2	6.9
Fitchburg-Leominster	1.4	1.4	1.4	8.7	8.4	8.5	4.4	3.7	4.2
Lawrence-Haverhill	5.9	5.5	5.5	36.5	35.8	35.5	20.0	17.9	19.3
Lowell	3.4	2.9	2.8	21.4	20.4	20.6	12.6	11.4	12.2
New Bedford	2.4	2.5	2.4	14.8	15.1	14.1	9.3	8.9	8.8
Pittsfield	1.9	1.9	1.8	12.8	13.3	13.0	4.5	4.4	4.4
Springfield	15.3	14.2	14.1	62.6	63.4	63.8	37.2	35.3	36.0
Worcester	14.0	13.8	13.6	51.4	48.3	49.2	23.3	21.7	22.9
Michigan	192.1	195.1	193.1	948.3	955.6	957.8	612.6	567.4	608.6
Ann Arbor	4.7	4.9	4.8	40.6	41.4	41.6	53.0	47.8	55.1
Battle Creek	3.4	3.5	3.5	13.1	12.6	13.1	11.5	10.7	11.3
Benton Harbor	2.6	2.7	2.6	15.2	15.3	15.4	8.8	8.9	9.1
Detroit	113.2	114.8	113.4	526.0	520.2	519.6	230.0	217.1	227.4
Flint	6.6	6.5	6.5	37.5	40.1	40.0	23.5	21.7	22.1
Grand Rapids	16.0	16.8	16.6	81.7	83.3	84.5	34.3	31.2	34.7
Jackson	1.8	1.8	1.7	11.1	11.3	11.4	9.7	9.2	9.8
Kalamazoo	5.4	5.6	5.7	28.9	29.8	29.6	19.1	15.3	18.9
Lansing-East Lansing	13.0	13.5	13.4	44.5	44.5	44.5	65.0	62.7	62.0
Muskegon	1.5	1.5	1.5	12.9	13.5	13.4	9.2	8.7	13.1
Saginaw-Bay City-Midland	6.3	6.5	6.4	39.1	40.0	39.7	19.8	18.7	20.0
Minnesota	124.9	127.7	127.1	561.2	574.9	576.6	326.2	310.4	328.5
Duluth	3.3	3.3	3.3	25.5	25.8	25.8	22.3	21.0	21.6
Minneapolis-St. Paul	97.1	99.3	99.0	374.9	385.1	386.4	179.0	174.8	181.3
Rochester	1.8	1.8	1.8	28.7	29.8	29.6	6.3	6.0	6.5
St. Cloud	2.5	2.6	2.6	18.2	17.8	19.0	13.1	11.0	13.2
Mississippi	38.8	39.1	38.9	162.4	165.9	168.1	207.2	194.0	208.6
Jackson	14.2	14.1	14.1	44.3	45.5	45.5	42.1	38.9	42.1
Missouri	138.8	139.9	138.5	587.6	593.4	595.4	367.0	341.5	370.7
Kansas City	59.4	59.9	59.2	199.6	202.6	201.4	122.1	116.0	120.8
St. Louis	76.6	76.5	75.9	329.6	337.4	337.1	144.7	130.9	145.7
Springfield	5.3	5.4	5.4	33.1	33.1	34.1	15.1	13.2	14.8
Montana	13.5	13.9	13.6	77.7	80.0	79.5	69.7	66.6	72.6
Nebraska	48.4	50.3	50.0	183.1	193.5	194.3	143.2	143.7	151.4
Lincoln	8.4	8.6	8.5	28.7	29.4	29.9	33.1	32.2	34.0
Omaha	28.7	29.6	29.4	101.1	106.6	106.3	47.1	47.9	49.9
Nevada	28.8	29.1	29.0	279.8	280.1	279.5	77.8	78.2	83.6
Las Vegas	18.6	19.1	19.0	183.1	184.2	184.3	40.2	41.0	43.7
Reno	7.3	7.4	7.4	58.9	58.0	57.9	18.3	17.8	19.5
New Hampshire	31.5	31.1	30.8	130.6	130.9	130.9	74.3	65.2	72.7
Manchester	8.4	8.4	8.3	23.9	23.5	23.9	8.8	8.3	8.9
Nashua	3.5	3.5	3.4	20.3	20.2	20.8	7.8	5.9	7.5
Portsmouth-Dover-Rochester	7.1	7.2	7.1	23.9	23.3	23.1	26.8	23.0	24.8
New Jersey	239.0	235.7	231.6	999.4	1,015.1	1,004.3	556.0	550.2	548.0
Atlantic City	6.8	6.6	6.5	84.6	84.7	82.5	26.9	27.0	28.0
Bergen-Passaic	37.4	35.9	35.3	165.1	168.4	166.8	68.0	65.8	66.1
Camden	24.3	24.2	24.0	119.8	121.8	120.3	73.3	73.0	74.4
Jersey City	16.7	16.6	16.5	50.9	49.3	50.1	41.1	40.0	39.8
Middlesex-Somerset-Hunterdon	42.1	43.2	42.3	123.9	129.4	126.8	73.4	72.5	72.1
Monmouth-Ocean	19.3	19.4	19.0	102.7	109.5	105.0	64.3	66.0	64.3
Newark	74.2	72.8	71.5	270.4	274.0	272.1	132.2	130.3	127.6
Trenton	11.3	11.6	11.1	59.6	58.8	60.0	56.0	53.4	52.7
Vineland-Millville-Bridgeton	4.3	4.4	4.4	11.1	11.7	11.9	12.4	12.4	12.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
New Mexico	580.0	579.9	587.0	15.5	15.9	15.7	30.7	30.7	30.4
Albuquerque	249.0	247.6	250.0	(¹)	(¹)	(¹)	13.0	13.0	12.6
Las Cruces	43.8	42.0	44.1	(¹)	(¹)	(¹)	2.3	2.1	2.0
Santa Fe	61.1	62.6	61.7	(¹)	(¹)	(¹)	3.4	3.4	3.4
New York	8,208.2	7,927.5	7,932.0	5.7	5.3	5.2	327.1	298.1	294.0
Albany-Schenectady-Troy	436.5	429.7	427.3	.4	.3	.3	20.9	18.5	17.9
Binghamton	120.0	112.7	114.7	(¹)	(¹)	(¹)	5.5	4.7	4.7
Buffalo	464.4	458.1	460.0	(¹)	(¹)	(¹)	21.0	20.5	20.4
Elmira	41.4	39.6	39.8	(¹)	(¹)	(¹)	1.8	1.8	1.8
Glens Falls	48.2	49.2	46.5	(¹)	(¹)	(¹)	2.5	2.2	2.1
Nassau-Suffolk	1,120.3	1,087.5	1,092.2	(¹)	(¹)	(¹)	55.3	50.2	49.7
New York PMSA	4,082.9	3,908.4	3,902.2	(¹)	(¹)	(¹)	143.7	126.6	126.1
New York City	3,556.7	3,391.1	3,389.0	.2	.1	.1	113.5	99.9	99.5
Niagara Falls	88.1	84.7	85.1	(¹)	(¹)	(¹)	4.7	4.3	4.3
Orange County	106.4	104.4	104.7	(¹)	(¹)	(¹)	4.5	4.0	4.0
Poughkeepsie	121.2	118.2	118.0	(¹)	(¹)	(¹)	6.2	5.7	5.5
Rochester	491.6	484.4	489.7	.9	.7	.7	21.0	19.1	18.7
Rockland County	102.4	99.8	99.9	(¹)	(¹)	(¹)	4.5	4.0	3.9
Syracuse	318.3	312.1	315.1	(¹)	(¹)	(¹)	17.4	15.3	15.1
Utica-Rome	130.0	125.6	126.1	(¹)	(¹)	(¹)	5.2	4.6	4.6
Westchester County	405.0	398.4	394.5	(¹)	(¹)	(¹)	23.8	21.0	20.9
North Carolina	3,149.7	3,085.4	3,129.1	5.4	5.2	5.2	167.0	158.4	157.0
Asheville	90.0	88.5	88.2	(¹)	(¹)	(¹)	4.7	4.5	4.5
Charlotte-Gastonia-Rock Hill	635.9	623.7	636.3	(¹)	(¹)	(¹)	38.0	37.0	36.8
Greensboro-Winston-Salem-High Point	498.7	487.3	491.4	(¹)	(¹)	(¹)	25.1	23.6	23.6
Raleigh-Durham	433.7	429.8	432.6	(¹)	(¹)	(¹)	22.7	21.8	21.6
North Dakota	268.0	269.3	274.3	4.5	4.8	4.8	11.9	12.6	12.3
Bismarck	40.7	42.1	42.2	(¹)	(¹)	(¹)	2.2	2.6	2.6
Fargo-Moorhead	78.2	78.7	80.7	(¹)	(¹)	(¹)	4.4	4.4	4.2
Grand Forks	31.2	31.3	33.1	(¹)	(¹)	(¹)	1.5	1.4	1.4
Ohio	4,958.1	4,934.0	4,964.0	17.9	16.9	16.7	216.4	220.4	216.3
Akron	292.1	286.3	292.8	.7	.6	.6	11.6	11.6	11.2
Canton	168.2	166.8	167.2	.8	.8	.8	8.2	8.4	8.2
Cincinnati	753.3	758.4	760.2	.4	.4	.4	35.4	36.1	35.5
Cleveland	960.3	953.4	956.8	.8	.5	.5	37.8	38.7	37.8
Columbus	728.2	735.2	736.4	1.0	.9	.9	31.7	32.5	31.9
Dayton-Springfield	456.3	449.7	456.0	.4	.4	.4	16.9	17.2	16.8
Toledo	294.4	287.0	292.1	.2	.2	.2	12.6	12.3	12.1
Youngstown-Warren	200.8	198.1	200.3	.4	.4	.3	9.5	8.8	8.6
Oklahoma	1,189.3	1,182.4	1,194.1	44.0	42.8	41.9	38.8	36.2	36.1
Enid	21.5	20.7	21.7	.9	.9	.8	.7	.6	.6
Lawton	35.2	34.8	35.1	.3	.3	.3	1.0	1.0	.9
Oklahoma City	429.7	424.7	429.4	10.1	9.0	9.2	12.5	12.0	11.8
Tulsa	320.9	321.9	320.6	11.8	12.4	12.3	11.9	12.3	12.1
Oregon	1,267.6	1,273.7	1,285.1	1.8	1.9	1.9	57.4	58.8	58.9
Eugene-Springfield	119.3	114.9	117.0	.2	.2	.2	4.5	4.4	4.5
Medford	54.8	53.4	55.2	.1	.1	.1	2.2	2.1	2.1
Portland	643.6	648.4	652.6	.6	.6	.6	31.1	31.1	31.2
Salem	112.5	114.0	113.2	.1	.1	.1	5.2	5.1	5.1
Pennsylvania	5,203.1	5,117.6	5,155.2	28.2	26.4	26.6	244.1	236.7	233.6
Allentown-Bethlehem	289.2	288.3	289.6	.5	.5	.5	13.5	13.4	12.9
Altoona	55.0	55.0	55.0	(¹)	(¹)	(¹)	2.6	2.6	2.5
Beaver County	51.1	49.4	50.6	(¹)	(¹)	(¹)	2.7	2.7	2.8
Erie	121.7	118.9	120.6	(¹)	(¹)	(¹)	4.5	4.6	4.3
Harrisburg-Lebanon-Carlisle	318.6	317.0	316.4	.5	.5	.5	14.8	14.5	14.1
Johnstown	85.1	85.2	84.2	2.9	2.6	2.6	4.6	4.9	4.6
Lancaster	193.6	190.3	190.1	.4	.4	.4	12.5	12.4	12.0
Philadelphia PMSA	2,227.4	2,173.5	2,190.4	1.1	1.1	1.1	104.0	101.2	99.4
Philadelphia City	747.7	720.6	731.3	(¹)	(¹)	(¹)	16.2	14.1	14.2
Pittsburgh	930.3	915.9	924.1	4.6	4.1	4.1	48.1	46.7	46.4

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
New Mexico	44.2	42.5	42.7	28.7	28.0	29.1	138.1	140.0	138.8
Albuquerque	21.4	20.5	20.5	12.8	12.4	12.8	61.3	61.0	60.6
Las Cruces	3.5	3.5	3.5	1.6	1.4	1.6	9.2	9.2	9.4
Santa Fe	1.9	1.9	1.9	1.0	1.0	1.1	12.1	12.8	12.4
New York	1,135.6	1,073.2	1,075.2	431.9	421.3	428.9	1,682.8	1,611.5	1,609.0
Albany-Schenectady-Troy	46.7	46.0	46.1	17.4	16.6	17.0	93.1	91.3	91.3
Binghamton	34.1	31.8	31.3	4.3	4.3	4.2	25.7	24.7	24.6
Buffalo	74.9	71.0	71.3	23.4	22.5	23.5	116.1	114.7	115.3
Elmira	8.8	8.0	8.1	1.4	1.5	1.5	10.3	10.0	9.9
Glens Falls	10.0	9.8	9.7	1.7	1.9	1.7	11.1	12.1	10.9
Nassau-Suffolk	148.7	136.7	136.2	51.5	48.6	51.4	289.9	280.9	280.2
New York PMSA	414.1	390.0	390.9	252.6	245.1	246.4	717.3	674.1	677.4
New York City	341.6	319.6	320.8	226.0	218.4	219.4	599.6	560.5	564.0
Niagara Falls	23.5	21.3	21.8	4.3	4.1	4.3	21.4	20.9	20.9
Orange County	14.1	12.9	12.8	6.5	6.5	6.6	28.5	28.4	28.3
Poughkeepsie	29.6	28.7	28.7	4.0	3.6	3.6	22.1	21.5	21.3
Rochester	133.7	132.2	132.2	15.3	15.0	15.4	105.1	103.0	102.5
Rockland County	14.9	14.6	14.6	5.3	5.0	5.3	23.2	22.6	22.6
Syracuse	51.9	49.7	49.6	19.7	18.8	19.1	76.9	77.7	77.9
Utica-Rome	23.8	21.7	21.7	4.4	4.3	4.3	28.3	27.7	27.4
Westchester County	55.5	53.7	53.4	20.7	21.0	21.1	90.0	86.5	86.3
North Carolina	863.1	837.4	839.7	154.4	153.9	153.6	724.8	713.4	712.3
Asheville	20.6	19.6	19.7	4.2	4.1	4.0	22.1	21.7	21.6
Charlotte-Gastonia-Rock Hill	154.1	147.4	147.5	51.8	51.7	52.0	154.4	152.3	152.4
Greensboro-Winston-Salem-High Point	148.8	145.2	144.7	26.5	25.2	25.3	114.8	112.5	112.5
Raleigh-Durham	64.0	64.3	64.2	21.6	21.6	21.5	90.2	89.1	89.3
North Dakota	17.8	17.4	18.3	17.3	17.0	17.0	71.0	72.7	72.4
Bismarck	2.3	2.4	2.4	2.9	2.9	2.9	10.4	10.7	10.4
Fargo-Moorhead	6.1	5.8	6.0	4.7	4.9	4.8	22.7	23.2	23.4
Grand Forks	1.4	1.5	1.6	1.7	1.7	1.7	9.4	9.6	9.7
Ohio	1,123.2	1,088.7	1,089.3	222.6	223.7	223.0	1,184.0	1,189.5	1,183.9
Akron	67.7	65.5	66.4	14.0	14.0	14.0	69.9	69.1	69.0
Canton	45.5	43.0	43.1	5.7	5.8	5.8	41.9	42.1	42.0
Cincinnati	149.3	144.3	143.9	42.0	42.7	42.6	190.0	193.5	192.9
Cleveland	207.4	200.2	200.8	43.2	43.6	43.5	230.1	230.2	228.2
Columbus	105.6	105.2	105.4	31.3	31.2	31.0	185.5	185.8	184.9
Dayton-Springfield	103.2	98.5	98.8	18.7	19.1	19.1	102.4	104.2	103.7
Toledo	61.1	58.0	58.8	14.9	14.8	14.7	72.6	71.6	71.5
Youngstown-Warren	49.4	48.6	49.3	7.4	7.1	7.1	53.7	53.6	53.2
Oklahoma	168.4	167.7	166.9	67.7	67.9	67.7	277.4	280.2	279.2
Enid	1.6	1.6	1.6	2.1	2.1	2.1	6.1	6.1	6.3
Lawton	3.5	3.5	3.5	1.7	1.8	1.8	9.0	9.2	9.2
Oklahoma City	49.1	47.6	47.5	21.3	20.8	21.0	104.0	104.2	104.3
Tulsa	57.0	56.6	56.1	25.8	26.2	26.0	74.6	75.2	74.4
Oregon	226.1	221.7	218.8	64.1	64.8	65.3	320.1	321.8	323.3
Eugene-Springfield	21.5	19.5	19.3	4.5	4.4	4.5	30.8	30.0	30.0
Medford	8.6	8.0	8.0	3.0	3.0	3.1	16.5	15.8	16.7
Portland	105.1	105.0	103.5	37.6	38.7	38.7	167.5	168.3	167.8
Salem	19.0	20.7	19.2	3.0	2.8	2.9	24.4	24.1	24.6
Pennsylvania	1,013.0	974.1	971.7	270.3	265.7	272.2	1,182.3	1,178.2	1,175.8
Allentown-Bethlehem	74.8	74.8	74.6	14.8	14.6	14.9	63.8	64.3	64.3
Altoona	11.0	10.9	11.1	4.9	4.8	4.9	14.4	14.5	14.2
Beaver County	9.3	8.7	8.6	5.3	4.9	5.0	11.9	12.1	12.0
Erie	36.2	35.4	35.4	4.4	4.4	4.4	26.3	25.9	25.9
Harrisburg-Lebanon-Carlisle	50.0	48.2	48.1	21.0	20.7	21.7	70.0	68.4	68.0
Johnstown	14.6	14.8	14.8	5.6	5.0	5.4	18.9	19.2	18.9
Lancaster	57.2	55.1	54.7	7.9	7.6	7.8	48.6	48.0	47.4
Philadelphia PMSA	346.4	326.5	326.1	101.2	99.1	100.2	507.1	492.2	494.1
Philadelphia City	81.7	76.6	76.5	40.9	40.0	40.1	134.6	125.2	125.4
Pittsburgh	120.2	115.9	115.3	55.1	54.9	55.9	227.0	225.2	223.8

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
New Mexico	26.1	26.4	26.1	147.2	151.7	150.8	149.5	144.7	153.4
Albuquerque	13.8	13.9	13.9	76.1	77.5	77.9	50.6	49.3	51.7
Las Cruces	1.6	1.6	1.6	7.8	8.3	8.3	17.8	15.9	17.7
Santa Fe	2.3	2.4	2.4	16.3	17.2	16.6	24.1	23.9	23.9
New York	773.6	761.8	753.8	2,417.6	2,362.4	2,365.9	1,433.9	1,393.8	1,400.0
Albany-Schenectady-Troy	25.2	25.9	25.5	119.0	123.0	121.0	113.6	108.0	108.3
Binghamton	4.1	4.1	4.0	25.2	25.3	25.2	21.0	17.8	20.7
Buffalo	27.4	27.8	27.5	129.0	129.5	130.4	72.6	72.1	71.6
Elmira	1.5	1.5	1.5	10.5	10.5	10.3	7.0	6.4	6.8
Glens Falls	1.7	1.6	1.6	11.9	13.1	11.5	9.4	8.8	9.0
Nassau-Suffolk	81.4	81.7	81.0	315.2	320.4	317.4	178.4	169.1	176.3
New York PMSA	549.7	532.6	527.9	1,326.5	1,269.3	1,276.7	679.1	670.7	656.7
New York City	514.0	496.7	492.4	1,164.0	1,103.1	1,113.3	597.8	592.7	579.5
Niagara Falls	2.1	2.1	2.1	19.0	18.9	19.0	13.0	13.1	12.7
Orange County	4.9	5.0	4.9	24.5	24.9	24.7	23.3	22.8	23.5
Poughkeepsie	4.8	4.9	4.8	30.1	31.0	30.5	24.3	22.9	23.5
Rochester	23.3	23.8	23.3	127.1	128.8	132.1	65.3	61.8	64.8
Rockland County	5.3	5.4	5.3	28.2	29.0	28.3	20.9	19.3	19.8
Syracuse	20.7	21.5	21.3	80.4	78.2	80.7	51.3	50.9	51.4
Utica-Rome	7.4	7.8	7.7	29.5	29.5	30.0	31.4	29.8	30.4
Westchester County	29.5	29.7	29.4	129.1	131.6	129.8	56.5	54.9	53.6
North Carolina	135.4	136.0	135.0	606.4	619.2	619.6	493.2	461.9	506.7
Asheville	3.0	2.9	2.9	22.1	23.5	22.2	13.3	12.2	13.3
Charlotte-Gastonia-Rock Hill	38.3	38.2	37.9	126.5	131.3	132.1	72.8	65.8	77.6
Greensboro-Winston-Salem-High Point	24.1	23.8	23.7	105.3	108.3	109.0	54.1	48.7	52.6
Raleigh-Durham	24.6	24.0	23.8	115.9	116.0	116.9	94.7	93.0	95.3
North Dakota	12.4	12.8	12.7	69.9	71.5	71.6	63.2	60.5	65.2
Bismarck	1.5	1.5	1.5	12.7	13.1	13.1	8.7	8.9	9.3
Fargo-Moorhead	4.6	4.8	4.8	21.4	22.3	22.2	14.3	13.3	15.3
Grand Forks	1.1	1.1	1.1	7.4	7.7	7.8	8.7	8.3	9.8
Ohio	256.4	260.0	257.9	1,227.2	1,260.2	1,262.6	710.4	674.6	714.2
Akron	10.9	10.9	10.9	71.2	75.6	74.9	46.1	39.0	45.7
Canton	6.7	6.7	6.5	40.2	41.7	41.7	19.2	18.3	19.2
Cincinnati	44.2	44.7	44.1	198.9	207.2	206.7	93.0	89.5	94.1
Cleveland	58.5	59.2	58.7	265.5	269.2	268.9	116.9	111.7	118.4
Columbus	60.8	61.5	60.9	187.6	195.3	195.7	124.7	122.8	125.5
Dayton-Springfield	17.5	18.0	17.9	120.4	120.4	123.3	76.8	71.9	76.0
Toledo	12.1	12.1	12.0	78.0	80.4	79.8	42.9	37.6	43.1
Youngstown-Warren	8.3	8.4	8.3	48.7	49.4	49.9	23.4	21.8	23.5
Oklahoma	59.1	58.7	58.5	273.0	276.5	280.2	260.9	252.4	263.6
Enid .....	.9	.9	.9	5.3	5.3	5.5	3.9	3.2	3.9
Lawton	1.7	1.7	1.7	6.6	6.5	6.5	11.4	10.8	11.2
Oklahoma City	24.3	25.0	25.0	106.5	109.1	109.2	101.9	97.0	101.4
Tulsa	17.7	17.4	17.3	84.5	83.3	83.6	37.6	38.5	38.8
Oregon	80.6	84.6	84.3	301.6	309.9	311.2	215.9	210.2	221.4
Eugene-Springfield	5.8	5.7	5.7	29.7	29.4	29.6	22.3	21.3	23.2
Medford	2.5	2.6	2.6	12.8	13.3	13.3	9.1	8.5	9.3
Portland	51.9	53.3	53.4	168.7	172.3	174.1	81.1	79.1	83.3
Salem	6.0	6.1	6.0	24.1	24.4	24.8	30.7	30.7	30.5
Pennsylvania	301.7	305.0	303.1	1,468.1	1,488.4	1,495.1	695.4	643.1	677.1
Allentown-Bethlehem	14.8	15.2	15.0	76.4	77.4	77.6	30.6	28.1	29.8
Altoona	2.2	2.4	2.3	12.6	12.8	12.9	7.3	7.0	7.1
Beaver County	1.6	1.6	1.6	12.6	12.4	13.0	7.7	7.0	7.6
Erie	5.5	5.6	5.7	30.9	31.2	31.4	13.9	11.8	13.5
Harrisburg-Lebanon-Carlisle	21.1	22.8	22.5	73.7	76.4	75.4	67.5	65.5	66.1
Johnstown	4.7	4.7	4.6	21.0	21.4	21.0	12.8	12.6	12.3
Lancaster	8.0	8.0	7.8	42.7	44.3	44.4	16.3	14.5	15.6
Philadelphia PMSA	161.7	161.8	161.0	707.5	711.2	716.8	298.4	280.4	291.7
Philadelphia City	64.6	63.1	62.8	267.9	266.5	273.7	141.8	135.1	138.6
Pittsburgh	55.5	56.7	56.4	315.9	315.1	319.0	103.9	97.3	103.2

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Pennsylvania-Continued									
Reading	153.8	150.9	153.2	(¹)	(¹)	(¹)	7.6	7.8	7.5
Scranton-Wilkes-Barre	309.4	306.0	305.3	0.7	0.6	0.6	14.7	14.0	13.6
Sharon	45.0	44.0	44.0	(¹)	(¹)	(¹)	1.6	1.6	1.6
State College	62.0	60.0	62.3	.4	.2	.1	3.1	2.9	2.8
Williamsport	50.6	50.7	51.0	(¹)	(¹)	(¹)	2.8	3.2	3.2
York	183.6	180.8	181.5	.5	.5	.5	10.7	10.2	9.9
Rhode Island									
Pawtucket-Woonsocket-Attleboro	127.7	119.3	121.4	.2	.2	.2	4.5	3.4	3.4
Providence	319.4	307.5	310.2	.1	.1	.1	14.3	12.2	11.5
South Carolina									
Charleston	211.1	215.9	217.9	(¹)	(¹)	(¹)	16.0	16.3	16.1
Columbia	246.7	248.3	251.4	(¹)	(¹)	(¹)	14.8	12.9	12.7
Greenville-Spartanburg	341.0	334.1	342.2	(¹)	(¹)	(¹)	25.8	25.8	25.6
South Dakota									
Rapid City	39.8	41.2	40.4	.2	.2	.2	2.7	2.9	2.8
Sioux Falls	76.3	78.4	78.2	(¹)	(¹)	(¹)	3.8	4.7	4.2
Tennessee									
Chattanooga	203.7	200.8	202.3	.6	.6	.6	7.4	7.3	7.3
Johnson City-Kingsport-Bristol	173.5	171.6	173.5	(¹)	(¹)	(¹)	6.8	7.0	6.8
Knoxville	269.1	264.2	266.4	1.4	1.3	1.3	13.9	11.8	12.0
Memphis	481.2	479.7	483.8	(¹)	(¹)	(¹)	21.1	20.4	20.3
Nashville	505.9	505.5	509.3	(¹)	(¹)	(¹)	25.0	25.1	24.7
Texas									
Abilene	48.8	47.4	48.6	1.6	1.4	1.4	1.6	1.6	1.6
Amarillo	78.8	77.7	78.6	1.1	1.0	.9	3.3	3.1	3.0
Austin	382.4	372.3	383.6	.7	.7	.7	12.4	12.5	12.4
Beaumont-Port Arthur	144.2	148.7	150.3	1.9	1.9	1.9	11.4	14.6	14.5
Brazoria	66.5	67.6	68.9	2.1	1.9	1.8	8.6	8.9	9.6
Brownsville-Harlingen	75.0	78.2	77.4	(¹)	(¹)	(¹)	2.3	2.4	2.4
Bryan-College Station	54.2	51.9	53.5	.6	.5	.5	1.9	1.9	1.8
Corpus Christi	136.1	137.9	138.2	3.9	4.1	4.1	13.1	11.7	11.7
Dallas	1,379.3	1,370.5	1,376.6	18.0	18.1	17.8	47.9	46.9	46.4
El Paso	208.6	208.8	209.8	(¹)	(¹)	(¹)	7.8	7.8	7.6
Ft. Worth-Arlington	593.0	584.1	587.2	4.5	4.5	4.5	22.9	22.8	22.3
Galveston-Texas City	76.8	77.2	77.3	.6	.6	.7	4.4	4.2	4.2
Houston	1,612.2	1,632.9	1,636.8	69.6	73.2	71.6	112.7	109.6	110.0
Killeen-Temple	74.1	74.5	74.8	(¹)	(¹)	(¹)	2.5	2.6	2.5
Laredo	45.0	44.9	45.3	1.8	1.7	1.8	1.3	1.2	1.2
Longview-Marshall	69.4	69.0	69.1	3.5	3.4	3.3	3.9	3.8	3.9
Lubbock	99.1	97.3	98.0	.2	.2	.2	3.5	4.1	3.9
McAllen-Edinburg-Mission	101.1	101.4	102.1	.9	.8	.8	4.5	4.5	4.4
Midland	43.9	45.1	45.5	8.9	9.1	9.0	1.4	1.6	1.5
Odessa	43.7	44.9	45.0	5.2	5.1	5.1	2.2	2.4	2.4
San Angelo	36.3	36.1	37.0	.5	.4	.4	1.1	1.1	1.1
San Antonio	520.8	515.2	523.4	1.8	1.8	1.8	22.5	22.5	22.6
Sherman-Denison	38.3	37.4	37.9	(¹)	(¹)	(¹)	1.4	1.4	1.4
Texarkana	46.9	45.6	45.8	.1	.1	.1	1.4	1.4	1.4
Tyler	62.6	62.9	63.4	1.6	1.7	1.7	1.9	1.9	1.9
Victoria	28.2	28.9	29.6	1.6	1.6	1.5	1.6	1.8	1.8
Waco	82.7	80.6	82.6	(¹)	(¹)	(¹)	3.0	3.2	3.2
Wichita Falls	50.3	49.6	49.9	1.4	1.4	1.4	1.9	1.7	1.7

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Pennsylvania-Continued									
Reading	46.4	44.2	44.1	6.6	6.4	6.7	33.9	34.0	34.2
Scranton-Wilkes-Barre	69.4	67.0	67.3	16.8	16.5	16.9	73.7	73.3	73.3
Sharon	12.0	11.9	11.5	2.2	2.1	2.1	11.0	11.1	10.7
State College	8.5	8.4	8.3	1.7	1.7	1.8	12.3	12.3	12.8
Williamsport	14.8	15.1	15.1	1.7	1.8	1.8	11.6	11.6	11.3
York	57.3	55.7	56.1	8.1	7.9	8.3	46.7	47.1	46.7
Rhode Island									
Pawtucket-Woonsocket-Attleboro	99.0	92.6	93.0	15.9	15.6	15.4	97.3	94.2	93.2
Providence	45.8	43.5	43.7	3.8	3.5	3.5	32.7	30.1	30.2
Providence	63.2	59.9	59.9	12.1	12.3	12.1	64.8	61.3	60.8
South Carolina									
Charleston	380.4	368.0	367.8	68.4	67.4	67.2	352.6	354.6	352.7
Columbia	21.6	20.8	20.6	11.2	11.7	11.6	52.9	55.4	54.5
Columbia	27.2	27.5	27.5	11.6	11.6	11.5	56.1	56.3	56.2
Greenville-Spartanburg	99.9	96.2	95.9	14.9	15.1	15.2	79.4	80.7	81.1
South Dakota									
Rapid City	34.4	36.3	36.3	13.5	13.5	13.8	77.4	81.7	79.6
Rapid City	4.0	3.8	4.0	2.0	1.9	1.9	11.5	12.7	11.8
Sioux Falls	9.2	9.9	9.8	4.8	5.0	5.0	21.3	21.4	21.3
Tennessee									
Chattanooga	524.3	514.9	516.7	118.1	116.0	116.5	523.0	519.6	518.7
Chattanooga	46.4	44.7	44.5	9.3	9.3	9.3	48.4	48.3	48.5
Johnson City-Kingsport-Bristol	53.3	52.7	52.9	6.1	6.4	6.4	40.9	40.0	39.7
Knoxville	50.6	48.4	48.7	11.6	11.5	11.6	70.6	69.9	69.7
Memphis	63.0	62.2	62.8	47.9	47.4	47.6	126.2	126.6	126.7
Nashville	88.7	87.4	87.8	26.9	27.0	26.9	124.4	126.0	126.2
Texas									
Abilene	987.7	980.0	976.2	428.0	436.6	435.3	1,712.3	1,721.8	1,718.0
Abilene	4.5	4.5	4.4	2.8	2.7	2.7	12.7	12.7	12.7
Amarillo	8.4	8.6	8.9	5.6	5.7	5.6	22.9	22.9	22.8
Austin	49.2	48.8	48.7	11.8	12.0	12.0	77.3	76.8	76.8
Beaumont-Port Arthur	25.5	26.3	25.9	9.6	9.6	9.6	33.1	33.6	33.7
Brazoria	16.7	17.0	17.0	2.9	3.1	3.1	12.6	13.0	13.1
Brownsville-Harlingen	11.5	12.4	12.3	3.2	3.6	3.5	20.3	21.0	20.9
Bryan-College Station	3.6	3.6	3.5	1.3	1.4	1.4	11.7	11.0	11.5
Corpus Christi	12.3	12.2	12.2	6.6	6.5	6.5	32.2	32.7	32.6
Dallas	220.7	213.8	211.9	83.0	84.6	84.6	353.7	355.5	355.5
El Paso	42.7	41.0	40.8	11.1	10.8	10.8	52.0	52.9	52.7
Ft. Worth-Arlington	118.7	103.8	103.7	56.1	57.4	57.7	151.1	151.9	151.0
Galveston-Texas City	8.5	8.6	8.6	5.2	5.4	5.4	15.3	15.6	15.5
Houston	176.0	178.9	177.2	110.7	114.1	113.1	373.3	375.2	374.3
Killeen-Temple	8.7	8.7	8.7	2.5	2.5	2.5	16.3	16.9	16.8
Laredo	1.7	1.6	1.5	6.2	6.4	6.5	14.3	13.8	14.0
Longview-Marshall	16.2	16.1	16.2	3.5	3.6	3.6	17.1	17.1	16.9
Lubbock	7.1	7.1	7.1	5.4	5.0	5.3	28.9	28.1	28.3
McAllen-Edinburg-Mission	13.6	13.2	13.0	3.2	3.2	3.2	31.3	31.5	32.2
Midland	2.2	2.2	2.4	2.3	2.5	2.5	10.4	10.8	10.9
Odessa	4.1	4.7	4.6	2.0	2.2	2.2	12.6	13.0	12.8
San Angelo	5.0	4.9	4.9	2.5	2.8	2.8	8.9	8.8	9.2
San Antonio	43.4	44.1	43.8	21.9	22.5	22.7	131.3	132.6	132.2
Sherman-Denison	11.2	10.9	10.6	1.6	1.6	1.6	7.9	8.0	8.0
Texarkana	7.0	6.6	6.5	2.4	2.4	2.4	11.1	11.0	11.0
Tyler	11.3	11.2	11.3	2.8	2.9	2.9	16.0	15.8	15.8
Victoria	3.0	3.1	3.2	1.4	1.4	1.4	7.6	7.8	7.8
Waco	15.6	15.5	15.5	3.5	3.3	3.4	19.1	19.4	19.1
Wichita Falls	8.4	8.0	8.0	2.7	2.7	2.7	11.6	11.6	11.5

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Pennsylvania-Continued									
Reading	8.3	8.4	8.4	33.6	34.6	34.3	17.4	15.5	18.0
Scranton-Wilkes-Barre	13.8	13.6	13.4	79.3	82.3	80.7	41.0	38.7	39.5
Sharon	1.4	1.4	1.4	11.6	10.9	11.4	5.2	5.0	5.3
State College	2.0	2.0	2.0	11.2	11.5	11.5	22.8	21.0	23.0
Williamsport	2.3	2.5	2.4	10.8	10.3	10.6	6.6	6.2	6.6
York	5.4	5.4	5.4	35.9	36.3	36.7	19.0	17.7	17.9
Rhode Island									
Pawtucket-Woonsocket-Attleboro	27.0	26.3	25.8	128.9	127.3	129.6	63.2	59.9	64.0
Providence	3.7	3.4	3.4	25.8	25.0	25.8	11.2	10.2	11.2
	22.4	21.8	21.5	96.3	96.2	97.6	46.2	43.7	46.7
South Carolina									
Charleston	66.6	67.2	66.5	302.4	316.1	316.9	287.4	277.9	294.6
Columbia	7.7	8.0	8.0	47.0	49.6	50.1	54.7	54.1	57.0
Greenville-Spartanburg	17.8	18.9	18.7	53.8	55.7	56.5	65.4	65.4	68.3
	12.0	12.1	12.0	66.1	66.4	69.0	42.9	37.8	43.4
South Dakota									
Rapid City	16.3	16.7	16.5	72.8	75.5	75.5	60.8	58.9	61.7
Sioux Falls	1.5	1.5	1.5	10.8	11.6	11.2	7.1	6.6	7.0
	8.1	8.2	8.1	21.3	21.8	21.9	7.8	7.4	7.9
Tennessee									
Chattanooga	102.7	102.3	101.5	496.6	502.2	503.7	354.2	336.4	354.6
Johnson City-Kingsport-Bristol	13.1	13.5	13.4	42.8	42.7	43.2	35.7	34.4	35.5
Knoxville	5.2	5.2	5.2	35.6	36.0	36.9	25.6	24.3	25.6
Memphis	10.3	10.4	10.4	59.3	61.4	61.0	51.4	49.5	51.7
Nashville	25.2	25.5	25.3	122.1	125.0	124.3	75.7	72.6	76.8
	30.8	30.5	30.6	141.2	142.5	143.3	68.9	67.0	69.8
Texas									
Abilene	429.1	429.5	427.5	1,716.3	1,753.2	1,751.6	1,269.4	1,245.1	1,302.7
Amarillo	1.9	2.0	2.0	14.5	13.9	14.6	9.2	8.6	9.2
Austin	4.3	4.3	4.2	18.1	18.3	18.2	15.1	13.8	15.0
Beaumont-Port Arthur	23.5	23.2	23.3	98.0	99.5	99.6	109.5	98.8	110.1
Brazoria	5.4	5.5	5.5	35.9	37.1	37.5	21.4	20.1	21.7
Brownsville-Harlingen	1.8	1.8	1.8	9.7	10.1	10.0	12.1	11.8	12.5
Bryan-College Station	3.4	3.8	3.7	16.8	18.3	17.8	17.5	16.7	16.8
Corpus Christi	1.9	1.7	1.8	10.5	10.5	10.8	22.7	21.3	22.2
Dallas	6.2	6.3	6.2	32.2	33.7	34.0	29.6	30.7	30.9
El Paso	125.6	122.9	122.7	369.0	373.7	375.0	161.4	155.0	162.7
Ft. Worth-Arlington	8.3	8.1	8.1	43.3	45.2	44.8	43.4	43.0	45.0
Galveston-Texas City	27.3	26.9	26.6	136.9	142.4	142.2	75.5	74.4	79.2
Houston	5.1	5.1	5.1	15.3	15.7	15.3	22.4	22.0	22.5
Killeen-Temple	103.3	102.3	101.0	461.3	477.5	476.7	205.3	202.1	212.9
Laredo	3.4	3.5	3.5	17.7	18.0	17.9	23.0	22.3	22.9
Longview-Marshall	1.8	1.7	1.7	8.0	8.4	8.4	9.9	10.1	10.2
Lubbock	2.6	2.6	2.6	14.0	14.1	14.1	8.6	8.3	8.5
McAllen-Edinburg-Mission	5.5	5.7	5.6	25.6	24.7	24.8	22.9	22.4	22.8
Midland	4.0	3.9	3.9	17.6	18.4	18.3	26.0	25.9	26.3
Odessa	2.3	2.2	2.2	9.4	9.9	9.7	7.0	6.8	7.3
San Angelo	1.5	1.3	1.3	8.1	8.3	8.3	8.0	7.9	8.3
San Antonio	1.6	1.6	1.6	9.1	9.2	9.4	7.6	7.3	7.6
Sherman-Denison	39.5	37.7	37.6	141.3	139.9	141.2	119.1	114.1	121.5
Texarkana	2.1	2.1	2.1	9.7	9.2	9.7	4.4	4.2	4.5
Tyler	1.9	1.7	1.7	11.2	11.4	11.4	11.8	11.0	11.3
Victoria	3.5	3.4	3.4	16.2	16.5	16.5	9.3	9.5	9.9
Waco	1.6	1.6	1.6	6.3	6.8	6.9	5.1	4.8	5.4
Wichita Falls	5.3	5.2	5.2	22.8	21.5	22.8	13.4	12.5	13.4
	2.1	2.1	2.1	12.7	12.8	12.9	9.5	9.3	9.6

See footnotes at end of table.

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

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

(In thousands)

State and area	Total			Mining			Construction		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Utah	736.0	748.7	758.3	8.8	8.7	8.7	31.1	33.6	33.7
Provo-Orem	97.1	97.9	102.7	(¹)	(¹)	(¹)	3.2	4.9	5.2
Salt Lake City-Ogden	499.5	509.7	514.0	2.9	3.0	3.0	21.2	23.7	24.0
Vermont	259.5	247.7	252.4	.6	.5	.5	16.4	14.1	13.3
Barre-Montpelier	34.2	33.2	34.2	(¹)	(¹)	(¹)	2.1	2.1	2.1
Burlington	79.8	75.1	78.3	(¹)	(¹)	(¹)	4.9	3.9	3.8
Virginia	2,911.0	2,854.0	2,870.8	15.8	14.7	14.6	184.6	165.8	164.2
Bristol	33.8	34.3	35.1	(¹)	(¹)	(¹)	1.3	1.2	1.3
Charlottesville	73.0	69.4	72.2	(¹)	(¹)	(¹)	4.3	4.0	3.9
Danville	42.3	40.5	41.3	(¹)	(¹)	(¹)	2.2	2.1	2.1
Lynchburg	77.6	75.0	75.6	(¹)	(¹)	(¹)	4.0	3.7	3.6
Norfolk-Virginia Beach-Newport News	591.3	581.6	581.2	(¹)	(¹)	(¹)	35.2	33.2	32.8
Northern Virginia	774.1	755.9	756.4	.6	.5	.5	52.4	42.7	42.4
Richmond-Petersburg	478.6	473.9	476.2	.7	.7	.7	31.3	29.6	29.3
Roanoke	129.0	127.0	127.9	(¹)	(¹)	(¹)	8.0	7.5	7.4
Washington	2,197.0	2,183.3	2,202.0	4.0	3.8	3.7	129.3	124.0	123.5
Seattle	1,124.9	1,134.4	1,137.0	.7	.6	.6	65.1	66.6	65.8
West Virginia	628.6	628.9	632.4	35.6	33.4	33.5	28.6	30.8	30.6
Charleston	112.7	113.1	113.5	2.1	2.2	2.2	5.2	5.1	5.2
Huntington-Ashland	111.2	111.4	111.0	1.5	1.6	1.6	5.0	5.4	5.3
Parkersburg-Marietta	61.3	62.4	62.7	.5	.5	.5	2.9	3.0	3.0
Wheeling	60.4	60.8	60.8	2.3	2.3	2.3	2.2	2.0	2.0
Wisconsin	2,315.6	2,305.6	2,320.3	2.6	2.5	2.4	86.2	87.0	86.0
Appleton-Oshkosh-Neenah	164.1	165.8	166.5	(¹)	(¹)	(¹)	8.4	8.5	8.4
Eau Claire	58.4	58.2	59.9	(¹)	(¹)	(¹)	2.4	3.1	3.2
Green Bay	107.2	109.7	109.2	(¹)	(¹)	(¹)	5.6	6.4	6.3
Janesville-Beloit	60.0	58.7	57.9	(¹)	(¹)	(¹)	1.5	1.3	1.2
Kenosha	42.2	42.7	43.9	(¹)	(¹)	(¹)	1.7	1.8	2.0
La Crosse	53.0	50.8	51.8	(¹)	(¹)	(¹)	1.6	1.5	1.3
Madison	225.8	226.4	228.4	(¹)	(¹)	(¹)	8.8	9.0	8.8
Milwaukee	758.0	758.5	763.7	(¹)	(¹)	(¹)	26.8	26.1	26.4
Racine	76.9	78.5	77.7	(¹)	(¹)	(¹)	2.5	2.2	2.2
Sheboygan	52.7	54.7	54.9	(¹)	(¹)	(¹)	1.5	2.0	1.8
Wausau	52.5	53.8	54.3	(¹)	(¹)	(¹)	2.2	2.7	2.7
Wyoming	206.6	206.4	208.8	18.7	19.1	19.1	13.0	13.4	13.4
Casper	29.0	29.5	29.2	2.7	2.7	2.7	1.8	1.9	1.8
Puerto Rico	834.9	832.0	837.2	1.0	.9	.9	45.3	47.1	47.0
Caguas	53.3	53.8	54.0	(¹)	(¹)	(¹)	1.4	1.6	1.6
Mayaguez	57.4	57.5	57.5	(¹)	(¹)	(¹)	1.9	2.3	2.2
Ponce	55.4	54.8	55.2	(¹)	(¹)	(¹)	4.0	3.5	3.5
San Juan	517.8	513.2	516.0	.6	.5	.5	32.0	34.2	34.3
Virgin Islands	42.7	42.3	41.4	(¹)	(¹)	(¹)	4.2	3.4	3.3

See footnotes at end of table.

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

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Utah	109.2	109.3	109.0	42.6	43.3	43.0	175.6	180.1	180.6
Provo-Orem	14.2	14.2	14.5	2.4	2.5	2.5	23.1	23.4	24.1
Salt Lake City-Ogden	69.6	69.8	69.5	33.2	33.6	33.5	122.9	125.6	126.7
Vermont	45.6	44.1	44.0	11.2	10.9	11.0	60.3	58.5	58.0
Barre-Montpelier	4.7	4.5	4.4	1.0	1.0	1.0	7.3	7.0	7.1
Burlington	15.6	14.7	14.7	3.6	3.4	3.3	19.4	19.5	19.4
Virginia	427.0	415.9	415.4	149.3	149.2	148.5	656.8	647.5	642.6
Bristol	10.1	10.9	10.9	1.5	1.6	1.6	8.8	8.7	8.7
Charlottesville	8.8	8.4	8.5	2.7	2.6	2.6	14.9	14.8	14.8
Danville	16.4	15.5	15.6	1.1	1.2	1.2	8.5	8.6	8.4
Lynchburg	23.5	23.1	23.0	2.9	2.8	2.8	16.7	16.0	15.9
Norfolk-Virginia Beach-Newport News	67.0	65.9	65.7	28.3	28.0	27.9	142.9	139.5	138.6
Northern Virginia	35.3	32.8	32.7	51.2	49.3	49.0	174.3	171.5	170.5
Richmond-Petersburg	65.3	64.0	63.8	24.0	23.8	23.7	108.2	107.6	107.4
Roanoke	19.9	18.8	19.0	8.2	8.4	8.3	35.5	35.5	35.0
Washington	375.6	370.5	370.3	116.2	116.9	116.6	531.9	524.8	523.0
Seattle	223.1	223.2	222.9	69.7	70.2	69.6	266.4	269.6	267.1
West Virginia	86.5	83.9	83.7	37.7	37.5	37.0	147.7	146.4	145.9
Charleston	11.0	10.9	10.9	9.2	9.2	9.2	29.4	29.6	29.4
Huntington-Ashland	20.6	19.6	19.3	8.4	8.2	7.6	28.2	29.1	28.9
Parkersburg-Marietta	14.0	14.2	14.1	2.4	2.5	2.5	14.9	15.4	15.3
Wheeling	7.4	7.4	7.2	3.4	3.3	3.3	16.2	16.4	16.2
Wisconsin	570.2	563.7	558.8	109.3	108.8	111.5	544.6	546.8	541.3
Appleton-Oshkosh-Neenah	54.6	55.6	54.4	6.5	6.5	6.5	36.0	35.2	36.1
Eau Claire	11.0	10.6	10.5	3.3	3.2	3.2	15.4	15.7	16.0
Green Bay	24.1	24.4	23.9	8.1	8.0	8.0	27.1	27.7	27.3
Janesville-Beloit	19.2	17.8	17.3	2.4	2.0	1.9	14.4	14.9	14.7
Kenosha	10.0	9.7	9.7	1.4	1.5	1.4	11.5	12.3	12.4
La Crosse	10.7	9.5	9.4	2.5	2.5	2.5	14.1	14.1	14.4
Madison	26.7	27.1	26.6	8.5	8.5	8.9	50.6	50.7	51.2
Milwaukee	173.9	170.4	170.4	37.6	37.7	38.4	171.8	174.7	172.3
Racine	26.1	25.4	25.4	2.3	2.4	2.3	18.0	18.8	18.4
Sheboygan	22.2	23.4	23.2	1.7	1.6	1.6	10.1	10.1	10.0
Wausau	15.2	14.8	15.1	3.2	3.3	3.2	12.6	12.9	12.9
Wyoming	9.9	9.9	10.1	14.6	14.7	14.6	46.4	48.5	46.9
Casper	1.7	1.8	1.8	1.8	1.8	1.8	8.0	8.2	8.1
Puerto Rico	153.5	151.1	151.5	21.7	18.9	19.2	155.3	152.4	152.5
Caguas	15.2	16.1	16.0	.5	.6	.6	11.3	10.9	10.8
Mayaguez	19.3	17.8	17.6	.5	.6	.6	8.4	8.5	8.6
Ponce	10.5	10.1	10.3	1.4	1.3	1.3	8.6	8.5	8.7
San Juan	65.4	63.4	63.6	17.4	15.7	15.9	106.4	104.8	104.5
Virgin Islands	2.5	2.5	2.6	2.4	2.3	2.4	9.3	9.2	9.1

See footnotes at end of table.

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

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Utah	34.1	36.1	35.9	185.9	193.5	194.6	148.7	144.1	152.8
Provo-Orem	2.3	2.3	2.3	37.3	36.6	39.4	14.6	14.0	14.7
Salt Lake City-Ogden	28.2	30.2	30.4	124.1	129.7	128.8	97.4	94.1	98.1
Vermont	12.0	11.3	11.1	69.2	70.6	69.5	44.2	37.7	45.0
Barre-Montpelier	2.6	2.6	2.5	8.1	8.3	8.4	8.4	7.7	8.7
Burlington	4.1	3.7	3.7	20.3	19.9	20.9	11.9	10.0	12.5
Virginia	154.5	152.5	150.8	748.4	758.5	757.3	574.6	549.9	577.4
Bristol	1.1	1.1	1.1	5.5	5.3	5.7	5.5	5.5	5.8
Charlottesville	3.6	3.5	3.5	14.6	15.1	15.2	24.1	21.0	23.7
Danville	1.4	1.4	1.4	7.2	7.0	7.1	5.5	4.7	5.5
Lynchburg	3.4	3.4	3.4	17.1	16.3	17.1	10.0	9.7	9.8
Norfolk-Virginia Beach-Newport News	27.3	26.6	26.0	153.8	157.0	154.9	136.8	131.4	135.3
Northern Virginia	50.7	49.7	49.2	263.4	266.6	265.4	146.2	142.8	146.7
Richmond-Petersburg	40.5	39.6	39.4	112.6	114.1	114.5	96.0	94.5	97.4
Roanoke	8.6	8.5	8.5	33.3	33.6	34.1	15.5	14.7	15.6
Washington	118.8	119.2	118.6	525.9	536.1	538.6	395.3	388.0	407.7
Seattle	74.9	76.6	76.0	279.1	287.4	286.3	145.9	140.2	148.7
West Virginia	24.8	24.8	24.8	147.9	152.8	154.4	119.8	119.3	122.5
Charleston	6.6	6.5	6.5	29.4	30.3	30.5	19.8	19.3	19.6
Huntington-Ashland	3.9	4.0	4.0	25.2	25.9	25.9	18.4	17.6	18.4
Parkersburg-Marietta	2.2	2.3	2.3	15.0	15.2	15.3	9.4	9.3	9.7
Wheeling	3.0	3.1	3.1	17.1	17.3	17.6	8.8	9.0	9.1
Wisconsin	120.2	123.7	122.8	540.5	554.3	554.7	342.1	318.8	342.8
Appleton-Oshkosh-Neenah	7.8	8.2	8.2	33.4	35.4	35.3	17.5	16.5	17.6
Eau Claire	1.8	1.8	1.8	13.3	13.6	13.6	11.2	10.1	11.6
Green Bay	5.7	6.6	6.7	25.1	24.9	25.0	11.5	11.6	12.0
Janesville-Beloit	1.7	1.6	1.6	13.4	14.3	14.3	7.3	6.8	6.9
Kenosha	1.4	1.4	1.4	9.6	10.4	10.3	6.6	5.6	6.7
La Crosse	1.6	1.6	1.6	15.1	15.1	15.3	7.4	6.5	7.3
Madison	19.4	19.9	19.7	50.3	50.5	50.6	61.6	60.7	62.7
Milwaukee	50.5	51.6	51.2	211.4	216.5	217.2	86.0	81.5	87.7
Racine	2.2	2.3	2.3	17.5	18.8	18.6	8.4	8.5	8.6
Sheboygan	2.2	2.2	2.1	9.7	9.9	10.3	5.4	5.4	5.7
Wausau	3.6	4.0	4.0	9.6	10.3	10.0	6.2	5.9	6.4
Wyoming	7.3	7.3	7.2	41.0	44.5	41.9	55.7	49.0	55.6
Casper	1.4	1.4	1.4	6.7	6.8	6.7	4.9	4.9	4.9
Puerto Rico	36.8	36.4	36.1	132.7	135.6	137.8	288.6	289.5	292.2
Caguas	1.3	1.3	1.2	7.6	7.6	7.8	16.0	15.8	16.1
Mayaguez	1.5	1.5	1.4	7.2	8.0	8.3	18.5	18.7	18.8
Ponce	1.8	1.7	1.8	11.7	12.2	12.0	17.4	17.4	17.7
San Juan	29.5	29.0	28.7	94.0	94.5	96.2	172.7	171.2	172.4
Virgin Islands	2.1	2.0	2.0	8.9	8.5	8.5	13.3	14.4	13.5

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

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1990 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.32	464.46
1986	34.8	8.76	304.85	42.2	12.46	525.81	37.4	12.48	466.75
1987	34.8	8.98	312.50	42.4	12.54	531.70	37.8	12.71	480.44
1988	34.7	9.28	322.02	42.3	12.80	541.44	37.9	13.08	495.73
1989	34.6	9.66	334.24	43.0	13.26	570.18	37.9	13.54	513.17
1990	34.5	10.02	345.69	44.1	13.69	603.73	38.2	13.78	526.40
Monthly data, not seasonally adjusted									
1990:									
October	34.3	\$10.14	\$347.80	44.6	\$13.73	\$612.36	38.0	\$13.97	\$530.86
November	34.3	10.16	348.49	45.0	13.82	621.90	38.2	13.87	529.83
December	34.7	10.19	353.59	45.5	13.88	631.54	38.3	13.92	533.14
1991:									
January	33.7	10.22	344.41	44.4	14.20	630.48	36.2	14.02	507.52
February	33.9	10.23	346.80	44.4	14.10	626.04	37.0	13.93	515.41
March	34.0	10.24	348.16	44.0	14.09	619.96	37.2	13.93	518.20
April	34.0	10.30	350.20	43.9	14.12	619.87	37.8	13.99	528.82
May	34.2	10.31	352.60	44.3	14.10	624.63	38.2	13.96	533.27
June	34.7	10.31	357.76	45.0	14.24	640.80	38.7	13.88	537.16
July	34.5	10.30	355.35	43.6	14.20	619.12	38.6	13.97	539.24
August	34.7	10.31	357.76	44.5	14.16	630.12	38.7	14.03	542.96
September ^p	34.7	10.46	362.96	44.8	14.36	643.33	39.0	14.14	551.46
October ^p	34.4	10.45	359.48	44.6	14.19	632.87	39.2	14.14	554.29

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date—Continued

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1964	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.60	106.08
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.87	115.66
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.04	121.90
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.43	136.86
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.4	3.64	143.42
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.2	4.07	159.54
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.38	169.94
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.6	4.72	182.19
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.02	194.27
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.4	6.95	266.88
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.55	290.68
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.08	309.46
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.54	328.79
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.88	341.88
1985	40.5	9.54	9.16	386.37	39.5	11.40	450.30	38.4	9.15	351.36
1986	40.7	9.73	9.34	396.01	39.2	11.70	458.64	38.3	9.34	357.72
1987	41.0	9.91	9.48	406.31	39.2	12.03	471.58	38.1	9.59	365.38
1988	41.1	10.19	9.73	418.81	38.8	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	12.96	504.14	38.1	10.79	411.10
Monthly data, not seasonally adjusted										
1990:										
October	40.9	\$10.94	\$10.46	\$447.45	38.7	\$13.08	\$506.20	38.1	\$10.86	\$413.77
November	40.8	10.96	10.48	447.17	38.8	13.09	507.89	38.0	10.93	415.34
December	41.3	11.05	10.57	456.37	39.1	13.14	513.77	38.4	11.04	423.94
1991:										
January	40.2	11.05	10.62	444.21	38.2	13.18	503.48	37.7	11.04	416.21
February	39.9	11.02	10.61	439.70	38.3	13.17	504.41	37.7	11.08	417.72
March	40.1	11.06	10.64	443.51	38.3	13.15	503.65	37.9	11.06	419.17
April	40.1	11.11	10.69	445.51	38.4	13.19	506.50	37.9	11.12	421.45
May	40.3	11.15	10.72	449.35	38.6	13.17	508.36	38.1	11.11	423.29
June	40.9	11.19	10.71	457.67	39.1	13.16	514.56	38.5	11.19	430.82
July	40.4	11.22	10.74	453.29	38.9	13.25	515.43	38.1	11.14	424.43
August	40.9	11.17	10.67	456.85	38.9	13.26	515.81	38.2	11.14	425.55
September ^p	41.4	11.28	10.74	466.99	39.0	13.31	519.09	38.4	11.24	431.62
October ^p	41.1	11.27	10.75	463.20	38.7	13.31	515.10	38.2	11.17	426.69

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, 1964 to date—Continued

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.90	256.75
1986	29.2	6.03	176.08	36.4	8.36	304.30	32.5	8.18	265.85
1987	29.2	6.12	178.70	36.3	8.73	316.90	32.5	8.49	275.93
1988	29.1	6.31	183.62	35.9	9.06	325.25	32.6	8.88	289.49
1989	28.9	6.53	188.72	35.8	9.53	341.17	32.6	9.38	305.79
1990	28.8	6.76	194.69	35.8	9.97	356.93	32.6	9.83	320.46
Monthly data, not seasonally adjusted									
1990:									
October	28.4	\$6.83	\$193.97	35.5	\$10.08	\$357.84	32.4	\$9.96	\$322.70
November	28.4	6.86	194.82	35.6	10.12	360.27	32.4	10.02	324.65
December	29.2	6.84	199.73	36.2	10.24	370.69	32.7	10.11	330.60
1991:									
January	27.6	6.90	190.44	35.7	10.24	365.57	32.1	10.12	324.85
February	28.0	6.89	192.92	35.8	10.30	368.74	32.3	10.14	327.52
March	28.1	6.91	194.17	35.6	10.33	367.75	32.3	10.16	328.17
April	28.3	6.98	197.53	35.6	10.36	368.82	32.3	10.19	329.14
May	28.6	6.97	199.34	35.5	10.36	367.78	32.3	10.21	329.78
June	29.2	6.98	203.82	36.2	10.42	377.20	32.8	10.19	334.23
July	29.3	6.98	204.51	35.6	10.36	368.82	32.6	10.13	330.24
August	29.3	6.97	204.22	35.7	10.37	370.21	32.7	10.15	331.91
September ^p	28.8	7.07	203.62	36.1	10.52	379.77	32.6	10.34	337.08
October ^p	28.4	7.07	200.79	35.5	10.48	372.04	32.4	10.33	334.69

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Total private		34.8	34.3	34.7	34.7	34.4	-	-	-	-	-
Mining		45.1	44.6	44.5	44.8	44.6	-	-	-	-	-
Metal mining	10	43.3	42.3	43.2	43.2	-	-	-	-	-	
Iron ores	101	43.8	44.5	41.5	41.9	-	-	-	-	-	
Copper ores	102	46.0	45.3	46.2	45.3	-	-	-	-	-	
Coal mining	12	44.6	44.8	44.7	45.4	-	-	-	-	-	
Bituminous coal and lignite mining	122	44.6	44.8	44.8	45.5	-	-	-	-	-	
Oil and gas extraction	13	45.2	44.7	44.2	44.5	-	-	-	-	-	
Crude petroleum and natural gas	131	43.8	41.3	41.4	42.9	-	-	-	-	-	
Oil and gas field services	138	46.0	46.6	45.9	45.5	-	-	-	-	-	
Nonmetallic minerals, except fuels	14	46.6	45.4	45.8	46.1	-	-	-	-	-	
Crushed and broken stone	142	47.2	45.8	45.7	46.4	-	-	-	-	-	
Construction		39.1	38.0	38.7	39.0	39.2	-	-	-	-	
General building contractors	15	38.2	37.3	38.1	38.3	-	-	-	-	-	
Residential building construction	152	37.2	36.2	37.0	37.1	-	-	-	-	-	
Operative builders	153	37.2	37.2	37.5	38.2	-	-	-	-	-	
Nonresidential building construction	154	39.2	38.4	39.2	39.3	-	-	-	-	-	
Heavy construction, except building	16	43.5	41.2	42.6	43.6	-	-	-	-	-	
Highway and street construction	161	45.4	41.8	44.0	44.7	-	-	-	-	-	
Heavy construction, except highway	162	42.4	40.8	41.9	43.0	-	-	-	-	-	
Special trade contractors	17	38.2	37.4	37.9	38.0	-	-	-	-	-	
Plumbing, heating, and air conditioning	171	38.7	38.6	38.9	38.9	-	-	-	-	-	
Painting and paper hanging	172	36.6	36.2	36.8	36.8	-	-	-	-	-	
Electrical work	173	39.7	39.4	39.3	39.3	-	-	-	-	-	
Masonry, stonework, and plastering	174	35.8	35.3	35.5	35.9	-	-	-	-	-	
Carpentry and floor work	175	35.8	35.1	35.6	35.5	-	-	-	-	-	
Roofing, siding, and sheet metal work	176	36.3	33.9	35.8	35.8	-	-	-	-	-	
Manufacturing		41.3	40.9	40.9	41.4	41.1	4.1	3.8	3.9	4.2	4.0
Durable goods		41.8	41.4	41.2	41.8	41.6	4.1	3.8	3.8	4.1	3.9
Lumber and wood products	24	40.9	40.2	40.6	40.8	40.3	3.8	3.4	3.7	3.7	-
Logging	241	42.7	41.4	42.3	42.1	-	5.7	5.4	5.3	5.1	-
Sawmills and planing mills	242	41.6	41.1	41.3	41.8	-	4.5	4.1	4.3	4.4	-
Sawmills and planing mills, general	2421	42.1	41.5	41.6	42.1	-	4.8	4.4	4.5	4.5	-
Hardwood dimension and flooring mills	2426	40.1	39.6	40.3	40.8	-	3.1	2.7	3.7	4.0	-
Millwork, plywood, and structural members	243	40.1	39.4	40.3	40.3	-	3.1	2.6	3.1	3.1	-
Millwork	2431	39.7	39.2	40.4	40.0	-	2.8	2.2	2.9	2.7	-
Wood kitchen cabinets	2434	39.2	38.7	39.8	39.2	-	2.7	2.3	2.8	2.5	-
Hardwood veneer and plywood	2435	40.3	40.8	40.7	41.1	-	3.5	3.4	3.8	3.9	-
Softwood veneer and plywood	2436	43.1	40.9	40.3	42.5	-	4.9	3.7	3.3	4.3	-
Wood containers	244	40.1	39.6	39.1	39.8	-	3.5	3.3	2.9	3.4	-
Wood buildings and mobile homes	245	39.6	38.8	38.9	38.5	-	2.5	2.1	2.6	2.4	-
Mobile homes	2451	39.4	38.6	38.9	38.4	-	2.5	2.1	2.4	2.1	-
Miscellaneous wood products	249	41.0	40.3	40.3	40.6	-	3.6	3.1	3.2	3.4	-
Furniture and fixtures	25	39.8	39.2	39.5	40.0	39.5	2.9	2.6	3.0	3.3	-
Household furniture	251	39.1	38.3	38.9	39.3	-	2.4	2.2	2.4	2.7	-
Wood household furniture	2511	39.3	38.8	39.6	39.7	-	2.3	2.4	2.6	2.8	-
Upholstered household furniture	2512	37.9	37.2	37.1	37.7	-	1.9	1.8	1.7	2.1	-
Metal household furniture	2514	41.1	40.6	40.1	41.6	-	3.7	2.9	2.9	3.6	-
Mattresses and bedspings	2515	40.3	37.8	40.8	40.8	-	3.6	1.8	3.2	3.8	-
Office furniture	252	40.0	40.8	36.8	38.7	-	3.2	2.9	2.5	2.6	-
Public building and related furniture	253	41.2	40.5	42.9	43.0	-	4.1	3.5	5.2	5.8	-
Partitions and fixtures	254	42.0	41.2	42.6	42.6	-	4.6	3.7	5.0	5.0	-
Miscellaneous furniture and fixtures	259	39.3	39.0	39.8	39.9	-	2.5	2.2	3.2	3.3	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Total private		\$10.15	\$10.14	\$10.31	\$10.46	\$10.45	\$353.22	\$347.80	\$357.76	\$362.96	\$359.48
Mining		13.86	13.73	14.16	14.36	14.19	625.09	612.36	630.12	643.33	632.87
Metal mining	10	14.40	14.41	14.82	15.06	-	623.52	609.54	640.22	650.59	-
Iron ores	101	15.25	15.26	16.13	15.92	-	667.95	679.07	669.40	667.05	-
Copper ores	102	12.98	12.89	13.29	13.62	-	597.08	583.92	614.00	616.99	-
Coal mining	12	16.83	16.77	17.05	17.16	-	750.62	751.30	762.14	779.06	-
Bituminous coal and lignite mining	122	16.99	16.91	17.21	17.30	-	757.75	757.57	771.01	787.15	-
Oil and gas extraction	13	13.16	12.93	13.50	13.75	-	594.83	577.97	596.70	611.88	-
Crude petroleum and natural gas	131	16.61	16.27	16.53	16.95	-	727.52	671.95	684.34	727.16	-
Oil and gas field services	138	11.27	11.28	11.77	11.81	-	518.42	525.65	540.24	537.36	-
Nonmetallic minerals, except fuels	14	11.76	11.72	11.99	12.07	-	548.02	532.09	549.14	556.43	-
Crushed and broken stone	142	11.39	11.30	11.39	11.49	-	537.61	517.54	520.52	533.14	-
Construction		13.97	13.97	14.03	14.14	14.14	546.23	530.86	542.96	551.46	554.29
General building contractors	15	13.17	13.21	13.27	13.38	-	503.09	492.73	505.59	512.45	-
Residential building construction	152	12.30	12.30	12.11	12.29	-	457.56	445.26	448.07	455.96	-
Operative builders	153	13.19	13.39	14.08	14.25	-	490.67	498.11	528.00	544.35	-
Nonresidential building construction	154	13.95	14.01	14.30	14.33	-	546.84	537.98	560.56	563.17	-
Heavy construction, except building	16	13.76	13.66	14.05	14.10	-	598.56	562.79	598.53	614.76	-
Highway and street construction	161	13.77	13.48	14.07	14.03	-	625.16	563.46	619.08	627.14	-
Heavy construction, except highway	162	13.76	13.76	14.04	14.15	-	583.42	561.41	588.28	608.45	-
Special trade contractors	17	14.35	14.35	14.32	14.43	-	548.17	536.69	542.73	548.34	-
Plumbing, heating, and air conditioning	171	14.55	14.64	14.66	14.80	-	563.09	565.10	570.27	575.72	-
Painting and paper hanging	172	13.00	12.97	12.96	13.17	-	475.80	469.51	476.93	484.66	-
Electrical work	173	15.28	15.28	15.26	15.38	-	606.62	602.03	599.72	604.43	-
Masonry, stonework, and plastering	174	14.58	14.48	14.52	14.56	-	521.96	511.14	515.46	522.70	-
Carpentry and floor work	175	14.33	14.00	14.41	14.64	-	513.01	491.40	513.00	519.72	-
Roofing, siding, and sheet metal work	176	12.46	12.40	12.28	12.35	-	452.30	420.36	439.62	442.13	-
Manufacturing		10.93	10.94	11.17	11.28	11.27	451.41	447.45	456.85	466.99	463.20
Durable goods		11.49	11.50	11.77	11.89	11.87	480.28	476.10	484.92	497.00	493.79
Lumber and wood products	24	9.21	9.14	9.36	9.40	9.35	376.69	367.43	380.02	383.52	376.81
Logging	241	11.49	11.37	11.39	11.31	-	490.62	470.72	481.80	476.15	-
Sawmills and planing mills	242	9.25	9.23	9.45	9.52	-	384.80	379.35	390.29	397.94	-
Sawmills and planing mills, general	2421	9.61	9.58	9.79	9.86	-	404.58	397.57	407.26	415.11	-
Hardwood dimension and flooring mills	2426	7.61	7.58	7.93	8.02	-	305.16	300.17	319.58	327.22	-
Millwork, plywood, and structural members	243	9.18	9.06	9.31	9.38	-	368.12	356.96	375.19	378.01	-
Millwork	2431	9.57	9.36	9.59	9.68	-	379.93	366.91	387.44	387.20	-
Wood kitchen cabinets	2434	8.54	8.52	8.78	8.86	-	334.77	329.72	349.44	347.31	-
Hardwood veneer and plywood	2435	7.80	7.79	7.94	7.96	-	314.34	317.83	323.16	327.16	-
Softwood veneer and plywood	2436	10.42	10.31	10.51	10.59	-	449.10	421.68	423.55	450.08	-
Wood containers	244	6.67	6.68	6.76	6.79	-	267.47	264.53	264.32	270.24	-
Wood buildings and mobile homes	245	8.68	8.70	9.08	9.09	-	343.73	337.56	353.21	349.97	-
Mobile homes	2451	8.79	8.78	9.16	9.15	-	346.33	338.91	356.32	351.36	-
Miscellaneous wood products	249	8.35	8.31	8.60	8.65	-	342.35	334.89	346.58	351.19	-
Furniture and fixtures	25	8.63	8.61	8.82	8.88	8.86	343.47	337.51	348.39	355.20	349.97
Household furniture	251	7.95	7.95	8.19	8.25	-	310.85	304.49	318.59	324.23	-
Wood household furniture	2511	7.40	7.46	7.68	7.72	-	290.82	289.45	304.13	306.48	-
Upholstered household furniture	2512	8.70	8.72	8.90	8.98	-	329.73	324.38	330.19	338.55	-
Metal household furniture	2514	8.24	8.08	8.46	8.43	-	338.66	328.05	339.25	350.69	-
Mattresses and bedsprings	2515	8.30	8.12	8.46	8.50	-	334.49	306.94	345.17	346.80	-
Office furniture	252	9.70	9.73	9.51	9.56	-	388.00	396.98	349.97	369.97	-
Public building and related furniture	253	9.30	9.19	9.44	9.69	-	383.16	372.20	404.98	416.67	-
Partitions and fixtures	254	9.91	9.79	10.16	10.17	-	416.22	403.35	432.82	433.24	-
Miscellaneous furniture and fixtures	259	9.05	8.98	9.26	9.34	-	355.67	350.22	368.55	372.67	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Stone, clay, and glass products	32	42.7	41.9	42.2	42.6	42.4	5.3	4.9	5.0	5.3	-
Flat glass	321	45.3	44.2	45.3	44.7	-	6.5	5.8	7.2	6.5	-
Glass and glassware, pressed or blown	322	41.9	41.8	42.0	42.3	-	4.7	4.5	4.8	4.6	-
Glass containers	3221	42.4	42.2	42.4	41.9	-	5.8	5.6	5.8	5.4	-
Pressed and blown glass, nec	3229	41.3	41.3	41.7	42.7	-	3.5	3.4	3.7	3.9	-
Products of purchased glass	323	41.4	40.9	40.9	41.9	-	3.8	3.3	3.4	4.0	-
Cement, hydraulic	324	42.3	42.1	41.4	41.5	-	4.0	3.9	3.5	3.6	-
Structural clay products	325	40.5	40.0	39.9	39.8	-	3.3	3.0	3.0	3.0	-
Pottery and related products	326	39.8	40.2	40.6	40.6	-	3.1	3.1	3.1	3.2	-
Concrete, gypsum, and plaster products	327	44.5	42.9	43.7	44.1	-	7.2	6.3	6.7	7.1	-
Concrete block and brick	3271	45.5	44.2	43.9	43.8	-	7.0	6.6	6.7	6.4	-
Concrete products, nec	3272	43.7	43.1	43.3	43.3	-	6.4	5.9	5.8	6.0	-
Ready-mixed concrete	3273	44.3	42.1	43.4	44.1	-	7.4	6.2	7.1	7.7	-
Misc. nonmetallic mineral products	329	42.2	41.7	41.1	42.0	-	4.9	4.9	4.3	5.0	-
Abrasive products	3291	41.3	40.8	40.3	42.8	-	3.4	3.9	2.9	4.1	-
Asbestos products	3292	40.5	40.1	38.6	39.7	-	3.2	2.7	2.8	4.7	-
Primary metal industries	33	43.2	42.8	42.6	43.1	42.9	5.4	5.1	5.0	5.2	-
Blast furnaces and basic steel products	331	43.9	43.5	43.5	44.0	43.9	6.0	5.9	5.5	5.5	-
Blast furnaces and steel mills	3312	44.2	43.8	43.8	44.5	-	6.2	6.1	5.7	5.8	-
Steel pipe and tubes	3317	44.0	44.2	42.2	42.2	-	5.6	5.8	4.8	4.7	-
Iron and steel foundries	332	42.7	42.4	41.8	42.7	-	5.2	4.7	4.5	4.7	-
Gray and ductile iron foundries	3321	43.1	42.7	42.6	43.4	-	5.3	4.8	4.9	5.2	-
Malleable iron foundries	3322	43.2	43.3	44.2	44.3	-	5.6	4.9	5.8	6.2	-
Steel foundries, nec	3325	41.4	41.5	39.6	40.5	-	4.9	4.7	3.6	3.2	-
Primary nonferrous metals	333	43.3	43.1	42.9	43.5	-	5.0	4.8	5.0	5.2	-
Primary aluminum	3334	42.9	42.9	43.2	43.5	-	5.1	5.1	5.6	5.6	-
Nonferrous rolling and drawing	335	43.6	42.7	42.9	43.3	-	6.2	5.6	5.9	6.2	-
Copper rolling and drawing	3351	43.6	41.5	42.5	41.9	-	6.6	5.4	5.8	6.5	-
Aluminum sheet, plate, and foil	3353	44.6	45.2	45.3	46.0	-	8.6	8.9	8.3	8.9	-
Nonferrous wire drawing and insulating	3357	43.1	41.8	41.6	42.5	-	5.6	4.7	4.8	5.2	-
Nonferrous foundries (castings)	336	40.9	41.0	40.6	41.0	-	3.2	3.2	3.1	3.2	-
Aluminum foundries	3365	40.8	41.2	41.4	41.2	-	2.9	3.4	3.3	3.3	-
Fabricated metal products	34	41.8	41.4	41.4	42.0	41.9	4.1	3.8	3.8	4.2	-
Metal cans and shipping containers	341	43.6	42.7	43.4	44.3	-	5.7	5.2	5.4	6.1	-
Metal cans	3411	44.0	43.2	43.7	44.6	-	5.7	5.3	5.3	6.1	-
Cutlery, handtools, and hardware	342	41.1	40.6	41.3	42.0	-	3.3	2.8	3.5	4.0	-
Hand and edge tools, and blades and handsaws	3423,5	40.1	39.9	41.3	41.5	-	2.8	2.6	3.7	3.7	-
Hardware, nec	3429	41.2	40.4	40.9	41.8	-	3.3	2.7	3.1	3.9	-
Plumbing and heating, except electric	343	40.4	40.1	41.6	42.2	-	3.2	2.8	4.3	4.4	-
Plumbing fixture fittings and trim	3432	39.6	38.3	42.3	43.1	-	2.7	1.9	4.2	4.3	-
Heating equipment, except electric	3433	40.4	41.3	40.4	41.4	-	3.0	3.4	3.8	4.3	-
Fabricated structural metal products	344	41.3	40.9	41.1	41.1	-	3.9	3.5	3.8	3.7	-
Fabricated structural metal	3441	42.6	41.8	41.7	41.6	-	4.8	4.1	4.3	4.2	-
Metal doors, sash, and trim	3442	39.3	39.2	40.5	40.1	-	2.3	2.3	3.3	2.8	-
Fabricated plate work (boiler shops)	3443	42.9	42.4	42.2	42.6	-	4.9	4.4	4.3	4.5	-
Sheet metal work	3444	40.8	40.4	40.3	40.5	-	3.5	3.2	3.2	3.3	-
Architectural metal work	3446	38.8	39.3	39.4	39.7	-	2.9	2.7	3.4	3.2	-
Screw machine products, bolts, etc	345	42.1	42.3	41.5	42.3	-	5.0	4.8	3.9	4.8	-
Screw machine products	3451	40.6	40.6	40.6	41.0	-	3.7	3.4	3.0	3.5	-
Bolts, nuts, rivets, and washers	3452	43.7	44.1	42.3	43.7	-	6.3	6.2	4.8	6.1	-
Metal forgings and stampings	346	43.1	42.5	42.0	42.9	-	4.8	4.2	3.9	4.7	-
Iron and steel forgings	3462	42.8	42.2	40.9	40.7	-	4.4	4.1	3.6	3.2	-
Automotive stampings	3465	44.3	43.2	43.1	44.3	-	5.5	4.7	4.4	5.6	-
Metal stampings, nec	3469	41.4	41.5	41.0	41.7	-	3.8	3.6	3.4	4.0	-
Metal services, nec	347	41.5	41.2	41.1	41.5	-	4.3	4.0	3.9	4.2	-
Plating and polishing	3471	40.8	40.6	40.1	40.6	-	3.5	3.3	2.9	3.4	-
Metal coating and allied services	3479	42.7	42.2	42.6	42.9	-	5.7	5.3	5.5	5.6	-
Ordnance and accessories, nec	348	40.8	40.8	40.7	41.6	-	3.6	3.7	3.3	3.8	-
Ammunition, except for small arms, nec	3483	40.2	41.3	41.0	41.2	-	3.2	3.2	3.3	3.3	-
Misc. fabricated metal products	349	41.5	41.4	41.4	42.1	-	3.8	3.7	3.6	4.0	-
Valves and pipe fittings, nec	3494	43.2	42.8	41.1	41.8	-	4.3	4.1	3.2	3.6	-
Misc. fabricated wire products	3496	40.6	40.7	40.8	41.7	-	3.3	3.2	3.5	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 workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Stone, clay, and glass products	32	\$11.23	\$11.18	\$11.41	\$11.43	\$11.41	\$479.52	\$468.44	\$481.50	\$486.92	\$483.78
Flat glass	321	15.10	14.84	16.31	16.10	-	684.03	655.93	738.84	719.67	-
Glass and glassware, pressed or blown	322	12.54	12.50	12.86	12.80	-	525.43	522.50	540.12	541.44	-
Glass containers	3221	13.36	13.27	13.62	13.57	-	566.46	559.99	577.49	568.58	-
Pressed and blown glass, nec	3229	11.68	11.71	12.09	12.06	-	482.38	483.62	504.15	514.96	-
Products of purchased glass	323	9.91	9.79	9.66	9.68	-	410.27	400.41	395.09	405.59	-
Cement, hydraulic	324	13.79	13.86	13.94	14.30	-	583.32	583.51	577.12	593.45	-
Structural clay products	325	9.62	9.64	9.76	9.73	-	389.61	385.60	389.42	387.25	-
Pottery and related products	326	9.57	9.60	9.76	9.84	-	380.89	385.92	396.26	399.50	-
Concrete, gypsum, and plaster products	327	10.96	10.89	11.06	11.11	-	487.72	467.18	483.32	489.95	-
Concrete block and brick	3271	9.70	9.78	10.39	10.29	-	441.35	432.28	456.12	450.70	-
Concrete products, nec	3272	9.91	9.89	9.89	9.88	-	433.07	426.26	428.24	427.80	-
Ready-mixed concrete	3273	11.83	11.73	11.91	12.00	-	524.07	493.83	516.89	529.20	-
Misc. nonmetallic mineral products	329	11.73	11.68	11.76	11.85	-	495.01	487.06	483.34	497.70	-
Abrasive products	3291	10.50	10.54	10.14	10.14	-	433.65	430.03	408.64	433.99	-
Asbestos products	3292	11.12	10.82	11.58	11.77	-	450.36	433.88	446.99	467.27	-
Primary metal industries	33	13.06	13.08	13.42	13.52	13.52	564.19	559.82	571.69	582.71	580.01
Blast furnaces and basic steel products	331	14.98	15.04	15.44	15.56	15.67	657.62	654.24	671.64	684.64	687.91
Blast furnaces and steel mills	3312	15.74	15.83	16.30	16.43	-	695.71	693.35	713.94	731.14	-
Steel pipe and tubes	3317	11.92	11.99	12.29	12.27	-	524.48	529.96	518.64	517.79	-
Iron and steel foundries	332	11.72	11.73	11.95	12.11	-	500.44	497.35	499.51	517.10	-
Gray and ductile iron foundries	3321	12.24	12.23	12.42	12.60	-	527.54	522.22	529.09	546.84	-
Malleable iron foundries	3322	12.39	12.55	12.61	12.91	-	535.25	543.42	557.36	571.91	-
Steel foundries, nec	3325	11.12	11.11	11.26	11.26	-	460.37	461.07	445.90	456.03	-
Primary nonferrous metals	333	14.48	14.58	14.64	14.60	-	626.98	628.40	628.06	635.10	-
Primary aluminum	3334	14.54	14.67	15.04	14.91	-	623.77	629.34	649.73	648.59	-
Nonferrous rolling and drawing	335	12.43	12.42	12.77	12.92	-	541.95	530.33	547.83	559.44	-
Copper rolling and drawing	3351	11.65	11.64	12.07	12.31	-	507.94	483.06	512.98	515.79	-
Aluminum sheet, plate, and foil	3353	15.39	15.31	15.49	15.56	-	686.39	692.01	701.70	715.76	-
Nonferrous wire drawing and insulating	3357	12.34	12.25	12.61	12.85	-	531.85	512.05	524.58	546.13	-
Nonferrous foundries (castings)	336	10.29	10.32	10.62	10.65	-	420.86	423.12	431.17	436.65	-
Aluminum foundries	3365	9.86	9.92	10.20	10.30	-	402.29	408.70	422.28	424.36	-
Fabricated metal products	34	10.95	10.95	11.23	11.32	11.31	457.71	453.33	464.92	475.44	473.89
Metal cans and shipping containers	341	14.28	14.15	14.58	14.63	-	622.61	604.21	632.77	648.11	-
Metal cans	3411	15.08	14.91	15.43	15.48	-	663.52	644.11	674.29	690.41	-
Cutlery, handtools, and hardware	342	10.85	10.83	11.16	11.33	-	445.94	439.70	460.91	475.86	-
Hand and edge tools, and blades and handsaws	3423,5	10.06	10.06	10.39	10.35	-	403.41	401.39	429.11	429.53	-
Hardware, nec	3429	11.17	11.07	11.40	11.70	-	460.20	447.23	466.26	489.06	-
Plumbing and heating, except electric	343	9.87	9.90	9.95	10.07	-	398.75	396.99	413.92	424.95	-
Plumbing fixture fittings and trim	3432	9.46	9.55	9.32	9.46	-	374.62	365.77	394.24	407.73	-
Heating equipment, except electric	3433	9.66	9.74	10.08	10.16	-	390.26	402.26	407.23	420.62	-
Fabricated structural metal products	344	10.22	10.25	10.52	10.54	-	422.09	419.23	432.37	433.19	-
Fabricated structural metal	3441	10.34	10.33	10.58	10.63	-	440.48	431.79	441.19	442.21	-
Metal doors, sash, and trim	3442	8.59	8.61	8.76	8.68	-	337.59	337.51	354.78	348.07	-
Fabricated plate work (boiler shops)	3443	11.06	11.12	11.47	11.54	-	474.47	471.49	484.03	491.60	-
Sheet metal work	3444	10.61	10.61	10.94	10.95	-	432.89	428.64	440.88	443.48	-
Architectural metal work	3446	9.86	9.94	10.12	10.19	-	382.57	390.64	398.73	404.54	-
Screw machine products, bolts, etc	345	10.88	10.88	11.14	11.25	-	458.05	460.22	462.31	475.88	-
Screw machine products	3451	10.17	10.11	10.29	10.35	-	412.90	410.47	417.77	424.35	-
Bolts, nuts, rivets, and washers	3452	11.57	11.62	11.96	12.11	-	505.61	512.44	505.91	529.21	-
Metal forgings and stampings	346	12.89	12.94	13.28	13.50	-	555.56	549.95	557.76	579.15	-
Iron and steel forgings	3462	12.98	12.99	13.10	13.24	-	555.54	548.18	535.79	538.87	-
Automotive stampings	3465	14.44	14.56	15.20	15.43	-	639.69	628.99	655.12	683.55	-
Metal stampings, nec	3469	10.33	10.37	10.59	10.65	-	427.66	430.36	434.19	444.11	-
Metal services, nec	347	9.11	9.11	9.33	9.35	-	378.07	375.33	383.46	388.03	-
Plating and polishing	3471	9.02	9.02	9.20	9.19	-	368.02	366.21	368.92	373.11	-
Metal coating and allied services	3479	9.26	9.26	9.53	9.58	-	395.40	390.77	405.98	410.98	-
Ordnance and accessories, nec	348	11.95	12.04	12.36	12.43	-	487.56	491.23	503.05	517.09	-
Ammunition, except for small arms, nec	3483	11.82	11.82	12.29	12.32	-	475.16	488.17	503.89	507.58	-
Misc. fabricated metal products	349	10.31	10.29	10.54	10.57	-	427.87	426.01	436.36	445.00	-
Valves and pipe fittings, nec	3494	10.48	10.49	10.99	11.06	-	452.74	448.97	451.69	462.31	-
Misc. fabricated wire products	3496	9.00	8.95	9.19	9.21	-	365.40	364.27	374.95	384.06	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Industrial machinery and equipment	35	42.2	42.0	41.5	42.3	41.9	4.3	4.0	3.7	4.0	-
Engines and turbines	351	42.6	42.3	43.0	44.2	-	4.4	4.1	4.7	5.2	-
Turbines and turbine generator sets	3511	44.9	44.7	44.6	45.8	-	7.1	7.1	6.5	7.5	-
Internal combustion engines, nec	3519	41.7	41.4	42.2	43.5	-	3.4	2.9	3.9	4.2	-
Farm and garden machinery	352	41.5	41.0	40.2	40.6	-	3.9	3.1	2.8	3.2	-
Farm machinery and equipment	3523	42.2	40.9	39.3	40.2	-	4.3	3.3	2.7	2.9	-
Construction and related machinery	353	43.2	43.0	42.4	43.1	-	4.1	4.0	3.3	3.6	-
Construction machinery	3531	41.8	42.0	43.1	43.1	-	2.3	2.5	2.9	2.5	-
Mining machinery	3532	42.1	41.9	39.6	40.4	-	4.4	4.2	3.1	3.7	-
Oil and gas field machinery	3533	48.2	47.6	45.1	46.2	-	7.3	7.1	4.5	5.3	-
Conveyors and conveying equipment	3535	41.7	41.9	41.1	42.5	-	4.5	4.5	3.9	4.7	-
Industrial trucks and tractors	3537	41.1	40.8	39.3	40.1	-	2.7	2.6	2.1	2.3	-
Metalworking machinery	354	42.7	42.8	41.7	42.1	-	5.0	4.8	4.1	4.4	-
Machine tools, metal cutting types	3541	40.5	41.5	41.7	42.3	-	3.7	4.1	3.8	4.3	-
Machine tools, metal forming types	3542	43.5	42.7	40.4	41.3	-	4.9	4.4	3.2	3.7	-
Special dies, tools, jigs, and fixtures	3544	43.8	43.7	42.2	42.7	-	6.2	6.0	5.0	5.2	-
Machine tool accessories	3545	41.5	41.2	40.7	41.8	-	3.6	3.5	2.6	3.2	-
Power driven handtools	3546	42.5	42.3	42.7	41.9	-	3.9	3.3	4.7	3.9	-
Special industry machinery	355	41.8	41.3	41.4	42.0	-	4.3	3.6	4.0	4.1	-
Textile machinery	3552	42.2	42.2	41.5	42.5	-	3.6	3.5	3.8	3.9	-
Printing trades machinery	3555	37.4	36.9	38.6	38.4	-	3.7	2.4	4.3	3.7	-
Food products machinery	3556	41.7	41.2	41.1	41.7	-	4.1	3.8	3.9	4.2	-
General industrial machinery	356	42.3	41.9	41.3	41.9	-	4.5	4.2	3.7	4.0	-
Pumps and pumping equipment	3561	41.3	41.2	41.5	41.8	-	4.2	4.1	3.7	3.7	-
Ball and roller bearings	3562	44.4	43.7	42.0	42.7	-	6.5	5.9	4.0	4.7	-
Air and gas compressors	3563	44.9	44.6	42.5	43.1	-	5.2	4.7	4.8	4.8	-
Blowers and fans	3564	40.4	39.6	40.2	41.2	-	3.5	2.5	3.4	3.6	-
Speed changers, drives, and gears	3566	40.8	41.2	40.2	41.5	-	4.9	5.1	4.0	4.2	-
Power transmission equipment, nec	3568	42.3	41.4	40.3	41.4	-	4.2	3.8	2.9	4.3	-
Computer and office equipment	357	42.1	42.1	41.0	42.5	-	3.2	3.2	2.6	3.3	-
Electronic computers	3571	42.0	41.6	41.0	42.1	-	3.6	3.3	2.3	3.1	-
Computer terminals, calculators, and office machines, nec	3575,8,9	40.6	41.4	39.8	42.1	-	2.9	3.2	3.7	4.2	-
Refrigeration and service machinery	358	40.4	39.5	41.4	41.7	-	2.9	2.3	3.7	3.4	-
Refrigeration and heating equipment	3585	40.4	39.4	41.8	42.3	-	2.9	2.3	4.0	3.7	-
Misc. industrial and commercial machinery	359	42.3	42.2	41.6	42.4	-	4.9	4.6	4.1	4.6	-
Carburetors, pistons, rings, valves	3592	41.8	41.9	40.4	41.7	-	4.5	4.2	2.9	3.4	-
Scales, balances, and industrial machinery, nec	3596,9	42.3	42.1	41.9	42.6	-	4.9	4.7	4.3	4.8	-
Electronic and other electrical equipment	36	41.2	40.9	40.5	41.1	40.7	3.5	3.3	3.3	3.5	-
Electric distribution equipment	361	41.9	41.9	40.9	41.3	-	3.6	3.2	3.3	3.0	-
Transformers, except electronic	3612	42.5	42.0	41.1	41.1	-	4.0	3.5	3.6	3.2	-
Switchgear and switchboard apparatus	3613	41.3	41.7	40.7	41.5	-	3.2	2.9	2.9	2.9	-
Electrical industrial apparatus	362	42.2	41.7	41.3	42.1	-	3.4	3.2	3.2	3.4	-
Motors and generators	3621	41.6	40.8	41.2	42.2	-	3.3	3.1	3.0	3.5	-
Relays and industrial controls	3625	42.5	42.5	41.1	41.6	-	3.3	3.2	3.4	3.3	-
Household appliances	363	40.1	39.8	40.3	40.5	-	2.5	2.2	3.4	3.1	-
Household refrigerators and freezers	3632	38.6	37.9	40.1	39.8	-	1.8	1.7	3.0	2.5	-
Household laundry equipment	3633	40.9	39.9	39.6	39.9	-	2.6	2.0	2.4	1.7	-
Electric housewares and fans	3634	41.0	40.8	41.7	42.2	-	2.6	2.3	4.1	4.0	-
Electric lighting and wiring equipment	364	40.2	40.0	39.9	40.9	-	3.1	3.0	2.8	3.3	-
Electric lamps	3641	40.6	41.8	41.4	42.6	-	3.7	3.8	3.0	3.2	-
Current-carrying wiring devices	3643	39.7	39.2	38.3	39.2	-	2.8	2.7	2.2	2.6	-
Noncurrent-carrying wiring devices	3644	41.2	41.1	42.5	44.3	-	2.8	2.2	3.0	3.9	-
Residential lighting fixtures	3645	38.0	37.9	38.0	39.1	-	2.7	2.7	1.8	2.6	-
Household audio and video equipment	365	42.2	41.1	39.4	40.6	-	4.3	3.6	4.0	4.8	-
Household audio and video equipment	3651	42.2	41.6	40.2	41.3	-	3.6	3.4	3.9	4.5	-
Communications equipment	366	42.4	42.0	40.8	40.8	-	3.6	3.6	3.0	3.0	-
Telephone and telegraph apparatus	3661	44.2	43.9	40.8	40.8	-	4.5	4.6	3.3	3.1	-
Electronic components and accessories	367	40.5	40.0	40.1	40.6	-	3.6	3.3	3.5	3.6	-
Electron tubes	3671	41.6	40.9	41.5	42.3	-	3.8	3.3	4.2	4.3	-
Semiconductors and related devices	3674	40.7	40.0	40.7	41.4	-	4.6	4.5	4.5	4.7	-
Electronic components, nec	3679	39.9	39.5	38.9	39.1	-	2.8	2.4	2.4	2.7	-
Misc. electrical equipment and supplies	369	42.1	42.2	41.8	42.7	-	4.1	4.3	3.9	4.3	-
Storage batteries	3691	44.0	43.9	45.1	45.6	-	5.9	5.9	6.3	5.8	-
Engine electrical equipment	3694	41.4	41.5	40.7	42.2	-	3.8	3.9	3.5	4.4	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Industrial machinery and equipment	35	\$11.94	\$11.90	\$12.15	\$12.24	\$12.27	\$503.87	\$499.80	\$504.23	\$517.75	\$514.11
Engines and turbines	351	14.71	14.74	15.42	15.47	-	626.65	623.50	663.06	683.77	-
Turbines and turbine generator sets	3511	15.11	15.19	15.87	15.99	-	678.44	678.99	707.80	732.34	-
Internal combustion engines, nec	3519	14.55	14.56	15.20	15.23	-	606.74	602.78	641.44	662.51	-
Farm and garden machinery	352	11.38	11.21	11.40	11.47	-	472.27	459.61	458.28	465.68	-
Farm machinery and equipment	3523	12.15	12.24	12.35	12.42	-	512.73	500.62	485.36	499.28	-
Construction and related machinery	353	12.05	12.08	12.40	12.58	-	520.56	519.44	525.76	542.20	-
Construction machinery	3531	13.67	13.82	14.22	14.53	-	571.41	580.44	612.88	626.24	-
Mining machinery	3532	11.99	11.95	12.26	12.40	-	504.78	500.71	485.50	500.96	-
Oil and gas field machinery	3533	11.35	11.29	11.45	11.48	-	547.07	537.40	516.40	530.38	-
Conveyors and conveying equipment	3535	10.80	10.86	11.28	11.41	-	450.36	455.03	463.61	484.93	-
Industrial trucks and tractors	3537	10.56	10.52	10.74	10.78	-	434.02	429.22	422.08	432.28	-
Metalworking machinery	354	12.45	12.42	12.52	12.59	-	531.62	531.58	522.08	530.04	-
Machine tools, metal cutting types	3541	12.40	12.42	12.97	13.03	-	502.20	515.43	540.85	551.17	-
Machine tools, metal forming types	3542	12.54	12.52	12.54	12.62	-	545.49	534.60	506.62	521.21	-
Special dies, tools, jigs, and fixtures	3544	13.13	13.05	13.01	13.05	-	575.09	570.29	549.02	557.24	-
Machine tool accessories	3545	11.06	11.07	11.21	11.33	-	458.99	456.08	456.25	473.59	-
Power driven handtools	3546	9.99	10.08	10.48	10.42	-	424.58	426.38	447.50	436.60	-
Special industry machinery	355	12.02	11.91	12.40	12.41	-	502.44	491.88	513.36	521.22	-
Textile machinery	3552	10.23	10.13	10.55	10.49	-	431.71	427.49	437.83	445.83	-
Printing trades machinery	3555	14.12	13.59	14.43	14.23	-	528.09	501.47	557.00	546.43	-
Food products machinery	3556	11.82	11.86	12.19	12.33	-	492.89	488.63	501.01	514.16	-
General industrial machinery	356	11.48	11.53	11.76	11.88	-	485.60	483.11	485.69	497.77	-
Pumps and pumping equipment	3561	11.97	12.12	12.34	12.52	-	494.36	499.34	512.11	523.34	-
Ball and roller bearings	3562	12.33	12.36	12.53	12.71	-	547.45	540.13	526.26	542.72	-
Air and gas compressors	3563	11.83	11.88	12.16	12.28	-	531.17	529.85	516.80	529.27	-
Blowers and fans	3564	10.05	10.06	10.11	10.17	-	406.02	398.38	406.42	419.00	-
Speed changers, drives, and gears	3566	11.74	11.87	12.38	12.49	-	478.99	489.04	497.68	518.34	-
Power transmission equipment, nec	3568	10.98	10.98	11.40	11.67	-	464.45	454.57	459.42	483.14	-
Computer and office equipment	357	11.59	11.52	12.02	12.13	-	487.94	484.99	492.82	515.53	-
Electronic computers	3571	11.99	11.97	12.42	12.60	-	503.58	497.95	509.22	530.46	-
Computer terminals, calculators, and office machines, nec	3575,8,9	11.14	11.26	12.24	12.21	-	452.28	466.16	487.15	514.04	-
Refrigeration and service machinery	358	11.17	11.07	11.14	11.15	-	451.27	437.27	461.20	464.96	-
Refrigeration and heating equipment	3585	11.39	11.26	11.30	11.31	-	460.16	443.64	472.34	478.41	-
Misc. industrial and commercial machinery	359	11.66	11.63	11.81	11.88	-	493.22	490.79	491.30	503.71	-
Carburetors, pistons, rings, valves	3592	12.50	12.33	12.33	12.52	-	522.50	516.63	498.13	522.08	-
Scales, balances, and industrial machinery, nec	3596,9	11.35	11.33	11.52	11.59	-	480.11	476.99	482.69	493.73	-
Electronic and other electrical equipment	36	10.41	10.45	10.78	10.85	10.82	428.89	427.41	436.59	445.94	440.37
Electric distribution equipment	361	10.34	10.28	10.69	10.69	-	433.25	430.73	437.22	441.50	-
Transformers, except electronic	3612	10.09	10.04	10.48	10.39	-	428.83	421.68	430.73	427.03	-
Switchgear and switchboard apparatus	3613	10.61	10.53	10.92	11.01	-	438.19	439.10	444.44	456.92	-
Electrical industrial apparatus	362	9.98	10.05	10.19	10.29	-	421.16	419.09	420.85	433.21	-
Motors and generators	3621	9.89	9.90	9.82	9.86	-	411.42	403.92	404.58	416.09	-
Relays and industrial controls	3625	10.12	10.26	10.70	10.92	-	430.10	436.05	439.77	454.27	-
Household appliances	363	10.28	10.22	10.46	10.43	-	412.23	406.76	421.54	422.42	-
Household refrigerators and freezers	3632	11.33	11.44	11.65	11.79	-	437.34	433.58	467.17	469.24	-
Household laundry equipment	3633	12.60	12.42	12.51	12.53	-	515.34	495.56	495.40	499.95	-
Electric housewares and fans	3634	7.53	7.49	7.75	7.73	-	308.73	305.59	323.18	326.21	-
Electric lighting and wiring equipment	364	10.23	10.22	10.54	10.68	-	411.25	408.80	420.55	436.81	-
Electric lamps	3641	11.51	11.58	11.86	11.91	-	467.31	484.04	491.00	507.37	-
Current-carrying wiring devices	3643	10.04	9.97	10.35	10.41	-	398.59	390.82	396.41	408.07	-
Noncurrent-carrying wiring devices	3644	9.41	9.55	9.70	9.80	-	387.69	392.51	412.25	434.14	-
Residential lighting fixtures	3645	7.59	7.53	7.97	7.90	-	288.42	285.39	302.86	308.89	-
Household audio and video equipment	365	9.99	10.12	10.60	10.63	-	421.58	415.93	417.64	431.58	-
Household audio and video equipment	3651	10.48	10.70	10.94	11.01	-	442.26	445.12	439.79	454.71	-
Communications equipment	366	11.07	11.10	11.49	11.54	-	469.37	466.20	468.79	470.83	-
Telephone and telegraph apparatus	3661	11.62	11.65	12.12	12.19	-	513.60	511.44	494.50	497.35	-
Electronic components and accessories	367	10.11	10.19	10.53	10.60	-	409.46	407.60	422.25	430.36	-
Electron tubes	3671	12.12	12.22	12.31	12.42	-	504.19	499.80	510.87	525.37	-
Semiconductors and related devices	3674	12.38	12.56	12.82	12.96	-	503.87	502.40	521.77	536.54	-
Electronic components, nec	3679	9.46	9.44	9.73	9.75	-	377.45	372.88	378.50	381.23	-
Misc. electrical equipment and supplies	369	11.43	11.55	11.90	11.99	-	481.20	487.41	497.42	511.97	-
Storage batteries	3691	12.74	12.97	13.20	13.28	-	560.56	569.38	595.32	605.57	-
Engine electrical equipment	3694	12.00	12.06	12.32	12.38	-	496.80	500.49	501.42	522.44	-

See footnotes at end of table.

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

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

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Transportation equipment	37	42.9	42.5	41.8	42.8	42.9	4.7	4.4	4.1	4.6	-
Motor vehicles and equipment	371	44.0	43.3	42.5	44.0	44.1	5.3	4.8	4.6	5.3	-
Motor vehicles and car bodies	3711	44.2	44.0	42.0	44.4	-	5.3	5.3	4.4	5.7	-
Truck and bus bodies	3713	43.2	41.2	42.6	41.5	-	5.0	3.3	4.0	3.7	-
Motor vehicle parts and accessories	3714	44.4	43.3	43.0	44.2	-	5.7	4.8	4.9	5.3	-
Truck trailers	3715	41.4	41.1	40.9	41.1	-	3.3	2.8	3.0	3.7	-
Aircraft and parts	372	42.2	42.2	41.3	41.9	-	4.7	4.7	4.0	4.3	-
Aircraft	3721	41.4	41.6	41.0	41.6	-	4.1	4.2	4.0	4.2	-
Aircraft engines and engine parts	3724	43.6	43.2	42.4	43.4	-	6.0	5.8	4.7	5.4	-
Aircraft parts and equipment, nec	3728	42.5	42.3	40.9	41.3	-	4.5	4.6	3.6	3.5	-
Ship and boat building and repairing	373	40.1	40.5	39.7	40.8	-	2.9	2.4	2.9	3.2	-
Ship building and repairing	3731	41.1	41.8	40.2	41.6	-	3.1	2.7	2.9	3.5	-
Boat building and repairing	3732	37.9	37.8	38.6	38.9	-	2.3	1.9	2.7	2.5	-
Railroad equipment	374	42.4	41.6	40.8	41.0	-	4.0	3.5	2.1	2.3	-
Guided missiles, space vehicles, and parts	376	42.5	42.7	42.6	43.0	-	4.1	3.7	4.3	4.7	-
Guided missiles and space vehicles	3761	43.0	43.6	43.2	43.8	-	4.5	4.3	5.0	5.4	-
Misc. transportation equipment	379	40.1	40.1	39.7	39.1	-	3.2	2.7	2.4	2.1	-
Travel trailers and campers	3792	39.3	39.5	39.0	37.9	-	2.4	2.1	2.2	1.9	-
Instruments and related products	38	41.3	41.0	40.7	41.3	41.1	3.2	3.0	2.9	3.2	-
Search and navigation equipment	381	41.0	41.2	40.1	40.7	-	2.6	2.6	2.4	2.7	-
Measuring and controlling devices	382	41.9	40.9	40.3	41.1	-	3.1	2.8	2.4	2.8	-
Environmental controls	3822	41.2	40.5	40.4	41.9	-	2.9	2.7	2.8	3.5	-
Process control instruments	3823	42.3	41.5	40.9	40.8	-	4.2	3.4	2.7	2.8	-
Instruments to measure electricity	3825	42.2	40.2	38.9	40.4	-	2.3	2.0	1.9	2.2	-
Medical instruments and supplies	384	41.0	40.9	41.2	41.7	-	3.6	3.3	3.4	3.7	-
Surgical and medical instruments	3841	40.5	40.2	41.2	41.6	-	3.9	3.5	3.5	3.7	-
Surgical appliances and supplies	3842	41.1	41.2	41.3	41.7	-	3.3	3.2	3.2	3.6	-
Ophthalmic goods	385	39.1	38.7	40.5	40.7	-	2.6	2.4	3.1	3.5	-
Photographic equipment and supplies	386	42.5	42.8	42.1	42.8	-	4.3	4.3	3.9	4.3	-
Watches, clocks, watchcases, and parts	387	41.3	40.0	38.4	40.3	-	3.3	2.2	1.7	2.6	-
Miscellaneous manufacturing industries	39	39.9	40.2	40.1	40.3	40.4	3.0	3.1	2.9	3.2	-
Jewelry, silverware, and plated ware	391	39.2	40.0	38.9	39.3	-	2.8	3.8	2.1	2.5	-
Jewelry, precious metal	3911	38.7	40.0	38.5	39.0	-	2.9	4.2	2.2	2.4	-
Musical instruments	393	40.7	40.7	38.9	38.8	-	2.1	2.2	1.8	1.6	-
Toys and sporting goods	394	40.6	40.3	40.7	41.3	-	3.3	3.0	3.3	3.7	-
Dolls, games, toys, and children's vehicles	3942,4	40.0	40.0	40.2	41.1	-	2.6	3.0	3.1	3.5	-
Sporting and athletic goods, nec	3949	41.0	40.5	41.2	41.4	-	3.7	3.0	3.4	3.9	-
Pens, pencils, office, and art supplies	395	40.6	40.8	41.0	40.0	-	2.5	2.2	3.0	3.0	-
Costume jewelry and notions	396	40.0	41.1	40.4	41.7	-	2.9	4.0	3.0	3.4	-
Costume jewelry	3961	40.8	42.7	40.7	42.2	-	3.7	5.6	3.3	3.8	-
Miscellaneous manufactures	399	39.5	39.7	39.8	39.8	-	3.1	3.1	2.8	3.2	-
Signs and advertising specialties	3993	40.2	40.2	39.7	40.1	-	3.4	3.5	3.1	3.5	-
Nondurable goods		40.6	40.2	40.5	40.8	40.5	4.1	3.8	4.0	4.3	4.0
Food and kindred products	20	41.9	41.0	41.1	41.4	40.9	5.6	4.7	5.1	5.3	-
Meat products	201	41.2	40.6	40.1	40.2	-	5.1	4.4	4.0	4.2	-
Meat packing plants	2011	42.5	41.8	41.1	42.3	-	6.4	5.1	4.4	5.4	-
Sausages and other prepared meats	2013	42.4	42.1	41.9	42.6	-	5.9	5.4	5.0	5.6	-
Poultry slaughtering and processing	2015	39.9	39.3	38.9	38.0	-	4.1	3.5	3.3	3.0	-
Dairy products	202	41.7	40.9	41.0	41.6	-	4.9	4.4	4.4	4.7	-
Cheese, natural and processed	2022	40.3	39.8	39.6	40.6	-	4.1	3.7	3.5	4.2	-
Fluid milk	2026	42.6	41.2	42.2	42.7	-	5.5	4.6	4.7	5.0	-
Preserved fruits and vegetables	203	43.5	40.7	42.0	42.7	-	7.4	5.0	6.9	7.2	-
Canned specialties	2032	45.7	43.9	44.8	45.5	-	9.3	6.7	8.3	9.0	-
Canned fruits and vegetables	2033	43.9	40.0	42.6	43.6	-	8.2	5.1	8.0	8.6	-
Frozen fruits and vegetables	2037	44.1	40.0	41.1	42.4	-	8.1	5.1	6.3	6.8	-
Grain mill products	204	46.1	45.4	45.1	45.9	-	7.3	7.0	7.1	7.7	-
Flour and other grain mill products	2041	50.4	50.6	47.9	48.8	-	9.0	9.3	7.7	9.0	-
Prepared feeds, nec	2048	42.9	41.9	42.9	43.8	-	6.0	5.5	6.0	6.5	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Durable goods—Continued											
Transportation equipment	37	\$14.30	\$14.41	\$14.83	\$15.06	\$15.01	\$613.47	\$612.43	\$619.89	\$644.57	\$643.93
Motor vehicles and equipment	371	14.84	15.00	15.32	15.66	15.55	652.96	649.50	651.10	689.04	685.76
Motor vehicles and car bodies	3711	17.53	17.89	18.30	18.59	-	774.83	787.16	768.60	825.40	-
Truck and bus bodies	3713	12.77	12.68	13.16	13.40	-	551.66	522.42	560.62	556.10	-
Motor vehicle parts and accessories	3714	13.52	13.49	13.86	14.15	-	600.29	584.12	595.98	625.43	-
Truck trailers	3715	9.75	9.77	9.78	10.02	-	403.65	401.55	400.00	411.82	-
Aircraft and parts	372	14.89	14.99	15.72	15.78	-	628.36	632.58	649.24	661.18	-
Aircraft	3721	(¹)	(¹)	(¹)	(¹)	-	-	-	-	-	-
Aircraft engines and engine parts	3724	\$15.10	\$15.11	\$15.46	\$15.65	-	\$658.36	\$652.75	\$655.50	\$679.21	-
Aircraft parts and equipment, nec	3728	13.43	13.55	14.14	14.20	-	570.78	573.17	578.33	586.46	-
Ship and boat building and repairing	373	11.06	11.13	11.43	11.51	-	443.51	450.77	453.77	469.61	-
Ship building and repairing	3731	11.89	11.93	12.25	12.37	-	488.68	498.67	492.45	514.59	-
Boat building and repairing	3732	9.13	9.17	9.37	9.35	-	346.03	346.63	361.68	363.72	-
Railroad equipment	374	13.59	13.66	14.02	14.03	-	576.22	568.26	572.02	575.23	-
Guided missiles, space vehicles, and parts	376	14.69	14.57	14.97	15.07	-	624.33	622.14	637.72	648.01	-
Guided missiles and space vehicles	3761	(¹)	(¹)	(¹)	(¹)	-	-	-	-	-	-
Misc. transportation equipment	379	\$10.88	\$10.81	\$10.72	\$10.90	-	\$436.29	\$433.48	\$425.58	\$426.19	-
Travel trailers and campers	3792	8.98	9.19	9.59	9.87	-	352.91	363.01	374.01	374.07	-
Instruments and related products	38	11.45	11.46	11.66	11.74	\$11.76	472.89	469.86	474.56	484.86	\$483.34
Search and navigation equipment	381	14.81	14.85	15.28	15.33	-	607.21	611.82	612.73	623.93	-
Measuring and controlling devices	382	10.84	10.84	11.16	11.20	-	454.20	443.36	449.75	460.32	-
Environmental controls	3822	9.61	9.55	9.88	9.93	-	395.93	386.78	399.15	416.07	-
Process control instruments	3823	10.73	10.65	10.88	10.95	-	453.88	441.98	444.99	446.76	-
Instruments to measure electricity	3825	11.00	10.98	11.49	11.54	-	464.20	441.40	446.96	466.22	-
Medical instruments and supplies	384	10.05	10.05	10.13	10.26	-	412.05	411.05	417.36	427.84	-
Surgical and medical instruments	3841	10.17	10.20	9.99	10.21	-	411.89	410.04	411.59	424.74	-
Surgical appliances and supplies	3842	9.75	9.77	9.92	10.02	-	400.73	402.52	409.70	417.83	-
Ophthalmic goods	385	8.26	8.32	8.57	8.57	-	322.97	321.98	347.09	348.80	-
Photographic equipment and supplies	386	14.37	14.26	14.63	14.76	-	610.73	610.33	615.92	631.73	-
Watches, clocks, watchcases, and parts	387	7.69	7.56	7.98	7.91	-	317.60	302.40	306.43	318.77	-
Miscellaneous manufacturing industries	39	8.62	8.62	8.85	8.90	8.83	343.94	346.52	354.89	358.67	356.73
Jewelry, silverware, and plated ware	391	9.23	9.34	9.51	9.47	-	361.82	373.60	369.94	372.17	-
Jewelry, precious metal	3911	9.22	9.34	9.49	9.42	-	356.81	373.60	365.37	367.38	-
Musical instruments	393	8.71	8.75	8.89	8.87	-	354.50	356.13	345.82	344.16	-
Toys and sporting goods	394	7.99	7.94	8.18	8.18	-	324.39	319.98	332.93	337.83	-
Dolls, games, toys, and children's vehicles	3942,4	7.73	7.81	7.92	7.94	-	309.20	312.40	318.38	326.33	-
Sporting and athletic goods, nec	3949	8.17	8.04	8.36	8.36	-	334.97	325.62	344.43	346.10	-
Pens, pencils, office, and art supplies	395	8.83	8.83	9.40	9.50	-	358.50	360.26	385.40	380.00	-
Costume jewelry and notions	396	7.33	7.36	7.57	7.64	-	293.20	302.50	305.83	318.59	-
Costume jewelry	3961	6.48	6.55	6.74	6.87	-	264.38	279.69	274.32	289.91	-
Miscellaneous manufactures	399	9.15	9.11	9.29	9.44	-	361.43	361.67	369.74	375.71	-
Signs and advertising specialties	3993	9.94	9.99	9.93	10.12	-	399.59	401.60	394.22	405.81	-
Nondurable goods		10.19	10.20	10.42	10.49	10.50	413.71	410.04	422.01	427.99	425.25
Food and kindred products	20	9.54	9.54	9.81	9.87	9.89	399.73	391.14	403.19	408.62	404.50
Meat products	201	8.00	7.90	8.08	8.20	-	329.60	320.74	324.01	329.64	-
Meat packing plants	2011	8.82	8.73	8.88	9.03	-	374.85	364.91	364.97	381.97	-
Sausages and other prepared meats	2013	9.39	9.31	9.35	9.46	-	398.14	391.95	391.77	403.00	-
Poultry slaughtering and processing	2015	6.88	6.78	7.03	7.08	-	274.51	266.45	273.47	269.04	-
Dairy products	202	10.67	10.60	10.79	10.98	-	444.94	433.54	442.39	456.77	-
Cheese, natural and processed	2022	9.77	9.70	9.80	10.06	-	393.73	386.06	388.08	408.44	-
Fluid milk	2026	11.16	11.09	11.34	11.49	-	475.42	456.91	478.55	490.62	-
Preserved fruits and vegetables	203	8.67	8.72	9.25	9.16	-	377.15	354.90	388.50	391.13	-
Canned specialties	2032	11.67	11.68	12.13	12.19	-	533.32	512.75	543.42	554.65	-
Canned fruits and vegetables	2033	8.49	8.40	9.45	9.22	-	372.71	336.00	402.57	401.99	-
Frozen fruits and vegetables	2037	7.93	8.11	8.11	8.12	-	349.71	324.40	333.32	344.29	-
Grain mill products	204	11.62	11.51	11.93	11.91	-	535.68	522.55	538.04	546.67	-
Flour and other grain mill products	2041	10.82	10.78	10.65	11.06	-	545.33	545.47	510.14	539.73	-
Prepared feeds, nec	2048	9.13	9.12	9.57	9.58	-	391.68	382.13	410.55	419.60	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Bakery products	205	39.7	39.5	39.4	39.9	-	4.4	4.2	4.2	4.4	-
Bread, cake, and related products	2051	39.2	39.0	39.0	39.2	-	4.5	4.2	4.4	4.4	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	40.6	40.4	40.0	41.3	-	4.1	4.3	3.7	4.5	-
Sugar and confectionery products	206	41.4	41.4	40.5	40.6	-	4.7	4.4	4.1	4.5	-
Raw cane sugar	2061	43.5	42.7	44.7	46.9	-	5.0	5.7	4.9	6.8	-
Cane sugar refining	2062	49.5	48.0	46.7	48.1	-	12.0	10.3	9.5	10.4	-
Beet sugar	2063	38.0	40.4	43.5	39.3	-	4.6	4.7	4.8	4.7	-
Candy and other confectionery products	2064	40.3	40.6	39.0	39.4	-	3.8	3.5	3.3	3.7	-
Fats and oils	207	44.5	45.4	42.6	43.7	-	6.7	7.0	6.1	6.8	-
Beverages	208	42.8	41.7	42.2	42.3	-	5.3	4.5	5.5	5.4	-
Malt beverages	2082	43.9	43.5	43.9	42.2	-	6.8	6.9	8.4	7.0	-
Bottled and canned soft drinks	2086	42.1	40.8	42.1	42.1	-	4.3	3.3	5.3	4.6	-
Misc. food and kindred products	209	39.9	39.4	40.6	39.9	-	4.8	4.4	5.3	4.9	-
Tobacco products	21	40.9	40.8	39.4	40.1	40.1	3.3	2.7	1.7	1.4	-
Cigarettes	211	41.3	40.8	39.6	39.5	-	3.6	3.1	1.4	1.2	-
Textile mill products	22	40.4	40.1	41.8	41.8	41.4	3.9	3.7	4.8	4.8	-
Broadwoven fabric mills, cotton	221	41.0	41.5	41.6	41.8	-	4.6	4.7	5.7	5.8	-
Broadwoven fabric mills, synthetics	222	41.4	41.2	41.7	42.3	-	4.2	4.2	4.8	5.0	-
Broadwoven fabric mills, wool	223	39.2	38.6	43.8	42.0	-	2.8	2.9	6.3	4.5	-
Narrow fabric mills	224	40.6	40.1	41.3	41.5	-	3.0	3.0	3.9	3.8	-
Knitting mills	225	38.7	38.1	40.6	40.6	-	3.1	2.8	4.0	3.9	-
Women's hosiery, except socks	2251	37.6	38.0	38.5	38.2	-	2.6	2.7	3.2	2.5	-
Hosiery, nec	2252	37.9	38.2	39.9	40.0	-	2.0	2.2	3.2	3.4	-
Knit outerwear mills	2253	38.5	36.8	40.9	41.3	-	3.5	3.0	4.6	4.8	-
Knit underwear mills	2254	38.2	37.6	38.3	38.8	-	2.1	1.7	2.3	2.4	-
Weft knit fabric mills	2257	40.4	39.5	43.3	42.4	-	3.8	3.4	5.7	4.9	-
Textile finishing, except wool	226	42.2	41.8	44.9	44.5	-	5.3	5.0	7.5	7.3	-
Finishing plants, cotton	2261	42.5	42.5	45.6	46.2	-	5.4	5.4	8.1	8.6	-
Finishing plants, synthetics	2262	43.0	42.4	44.8	44.1	-	5.9	5.5	7.7	7.3	-
Carpets and rugs	227	43.0	42.6	44.0	43.2	-	4.9	4.7	5.2	5.6	-
Yarn and thread mills	228	39.9	39.4	41.1	41.5	-	3.5	3.3	4.2	4.4	-
Yarn spinning mills	2281	40.6	40.1	41.6	41.8	-	3.9	3.6	4.5	4.6	-
Throwing and winding mills	2282	36.2	35.2	37.0	38.0	-	1.8	2.1	2.0	2.1	-
Miscellaneous textile goods	229	41.6	41.4	42.3	42.0	-	3.9	3.8	4.1	4.1	-
Apparel and other textile products	23	36.7	36.6	37.4	37.6	37.7	1.8	1.8	2.0	2.1	-
Men's and boys' suits and coats	231	35.9	36.1	37.1	37.0	-	.9	.8	1.0	1.1	-
Men's and boys' furnishings	232	36.4	36.4	37.3	37.2	-	1.3	1.3	1.8	1.8	-
Men's and boys' shirts	2321	35.4	35.5	37.0	37.0	-	.9	.9	1.7	1.7	-
Men's and boys' trousers and slacks	2325	35.6	35.7	36.6	36.4	-	1.4	1.3	1.7	1.7	-
Men's and boys' work clothing	2326	37.6	37.0	37.4	37.2	-	1.6	1.1	1.7	1.7	-
Women's and misses' outerwear	233	34.9	34.9	35.9	36.0	-	1.4	1.5	1.7	1.7	-
Women's and misses' blouses and shirts	2331	35.7	35.3	36.1	35.4	-	1.1	1.0	1.0	.9	-
Women's, juniors', and misses' dresses	2335	33.2	33.2	35.4	35.1	-	1.0	1.2	1.8	1.6	-
Women's and misses' suits and coats	2337	35.5	34.7	35.0	34.7	-	2.1	2.1	1.6	1.7	-
Women's and misses' outerwear, nec	2339	35.3	35.4	36.3	36.6	-	1.4	1.6	1.8	1.9	-
Women's and children's undergarments	234	38.2	38.5	38.8	39.4	-	1.6	1.9	2.1	2.6	-
Women's and children's underwear	2341	38.6	39.2	39.4	39.9	-	1.7	2.0	2.2	2.7	-
Brassieres, girdles, and allied garments	2342	35.9	34.9	35.4	36.4	-	1.0	1.3	1.4	1.9	-
Girls' and children's outerwear	236	36.4	36.0	37.5	37.7	-	1.4	1.5	2.1	2.3	-
Girls' and children's dresses and blouses	2361	36.3	36.6	37.7	37.8	-	1.8	2.1	2.2	2.9	-
Misc. apparel and accessories	238	37.5	37.2	37.5	37.8	-	1.8	2.0	1.8	1.9	-
Misc. fabricated textile products	239	39.7	39.4	39.5	40.2	-	3.4	3.1	2.9	3.5	-
Curtains and draperies	2391	36.3	35.2	37.2	38.8	-	1.8	1.3	1.4	2.2	-
House furnishings, nec	2392	40.2	40.1	38.9	39.3	-	3.9	3.6	3.1	3.9	-
Automotive and apparel trimmings	2396	41.7	41.1	41.0	41.2	-	4.5	4.0	3.6	4.1	-
Paper and allied products	26	43.7	43.6	43.3	43.8	43.5	5.3	5.1	5.2	5.5	-
Paper mills	262	45.1	45.8	44.3	45.3	-	5.7	5.8	5.5	6.1	-
Paperboard mills	263	45.9	45.6	45.1	45.9	-	7.3	7.3	7.0	7.5	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods—Continued											
Food and kindred products—Continued											
Bakery products	205	\$10.91	\$10.93	\$11.22	\$11.27	-	\$433.13	\$431.74	\$442.07	\$449.67	-
Bread, cake, and related products	2051	11.00	10.92	11.28	11.29	-	431.20	425.88	439.92	442.57	-
Cookies, crackers, and frozen bakery products, except bread	2052,3	10.75	10.93	11.10	11.23	-	436.45	441.57	444.00	463.80	-
Sugar and confectionery products	206	10.20	9.92	10.81	10.72	-	422.28	410.69	437.81	435.23	-
Raw cane sugar	2061	10.25	10.20	10.44	10.63	-	445.88	435.54	466.67	498.55	-
Cane sugar refining	2062	14.44	14.60	14.51	14.69	-	714.78	700.80	677.62	706.59	-
Beet sugar	2063	11.08	9.32	11.87	11.53	-	421.04	376.53	516.35	453.13	-
Candy and other confectionery products	2064	8.94	8.93	9.83	9.72	-	360.28	362.56	383.37	382.97	-
Fats and oils	207	10.34	10.24	10.43	10.38	-	460.13	464.90	444.32	453.61	-
Beverages	208	13.45	13.54	13.79	13.88	-	575.66	564.62	581.94	587.12	-
Malt beverages	2082	18.60	18.82	19.27	19.25	-	816.54	818.67	845.95	812.35	-
Bottled and canned soft drinks	2086	10.88	10.88	11.19	11.48	-	458.05	443.90	471.10	483.31	-
Misc. food and kindred products	209	9.02	9.13	9.07	9.19	-	359.90	359.72	368.24	366.68	-
Tobacco products	21	15.92	15.81	16.58	16.02	\$16.08	651.13	645.05	653.25	642.40	\$644.81
Cigarettes	211	19.86	19.92	20.32	20.33	-	820.22	812.74	804.67	803.04	-
Textile mill products	22	8.09	8.12	8.36	8.42	8.41	326.84	325.61	349.45	351.96	348.17
Broadwoven fabric mills, cotton	221	8.41	8.41	8.63	8.75	-	344.81	349.02	359.01	365.75	-
Broadwoven fabric mills, synthetics	222	8.74	8.72	8.95	9.01	-	361.84	359.26	373.22	381.12	-
Broadwoven fabric mills, wool	223	8.62	8.65	9.07	8.95	-	337.90	333.89	397.27	375.90	-
Narrow fabric mills	224	7.44	7.52	7.88	7.92	-	302.06	301.55	325.44	328.68	-
Knitting mills	225	7.44	7.48	7.73	7.75	-	287.93	284.99	313.84	314.65	-
Women's hosiery, except socks	2251	6.95	6.97	7.30	7.29	-	261.32	264.86	281.05	278.48	-
Hosiery, nec	2252	7.07	7.11	7.31	7.40	-	267.95	271.60	291.67	296.00	-
Knit outerwear mills	2253	7.34	7.50	7.65	7.63	-	282.59	276.00	312.89	315.12	-
Knit underwear mills	2254	7.39	7.36	7.64	7.68	-	282.30	276.74	292.61	297.98	-
Weft knit fabric mills	2257	8.05	8.02	8.45	8.42	-	325.22	316.79	365.89	357.01	-
Textile finishing, except wool	226	8.53	8.56	8.77	8.83	-	359.97	357.81	393.77	392.94	-
Finishing plants, cotton	2261	8.49	8.49	8.78	8.85	-	360.83	360.83	400.37	408.87	-
Finishing plants, synthetics	2262	8.87	8.98	9.10	9.16	-	381.41	380.75	407.68	403.96	-
Carpets and rugs	227	8.27	8.27	8.45	8.57	-	355.61	352.30	371.80	370.22	-
Yarn and thread mills	228	7.77	7.78	8.02	8.11	-	310.02	306.53	329.62	336.57	-
Yarn spinning mills	2281	7.78	7.79	8.02	8.13	-	315.87	312.38	333.63	339.83	-
Throwing and winding mills	2282	7.95	7.91	8.18	8.18	-	287.79	278.43	302.66	310.84	-
Miscellaneous textile goods	229	9.20	9.18	9.63	9.64	-	382.72	380.05	407.35	404.88	-
Apparel and other textile products	23	6.68	6.65	6.80	6.86	6.78	245.16	243.39	254.32	257.94	255.61
Men's and boys' suits and coats	231	7.27	7.32	7.37	7.44	-	260.99	264.25	273.43	275.28	-
Men's and boys' furnishings	232	6.13	6.11	6.31	6.35	-	223.13	222.40	235.36	236.22	-
Men's and boys' shirts	2321	6.03	6.00	6.24	6.31	-	213.46	213.00	230.88	233.47	-
Men's and boys' trousers and slacks	2325	6.01	6.01	6.18	6.22	-	213.96	214.56	226.19	226.41	-
Men's and boys' work clothing	2326	5.95	5.92	6.17	6.15	-	223.72	219.04	230.76	228.78	-
Women's and misses' outerwear	233	6.36	6.35	6.51	6.60	-	221.96	221.62	233.71	237.60	-
Women's and misses' blouses and shirts	2331	5.67	5.63	5.84	5.89	-	202.42	198.74	210.82	208.51	-
Women's, juniors', and misses' dresses	2335	6.82	6.88	6.84	6.98	-	226.42	228.42	242.14	245.00	-
Women's and misses' suits and coats	2337	7.04	7.01	7.22	7.25	-	249.92	243.25	252.70	251.58	-
Women's and misses' outerwear, nec	2339	6.21	6.19	6.39	6.48	-	219.21	219.13	231.96	237.17	-
Women's and children's undergarments	234	6.25	6.25	6.52	6.56	-	238.75	240.63	252.98	258.46	-
Women's and children's underwear	2341	6.15	6.11	6.40	6.46	-	237.39	239.51	252.16	257.75	-
Brassieres, girdles, and allied garments	2342	6.82	7.08	7.27	7.19	-	244.84	247.09	257.36	261.72	-
Girls' and children's outerwear	236	6.04	5.99	6.18	6.18	-	219.86	215.64	231.75	232.99	-
Girls' and children's dresses and blouses	2361	5.89	5.91	6.02	6.00	-	213.81	216.31	226.95	226.80	-
Misc. apparel and accessories	238	6.46	6.46	6.55	6.64	-	242.25	240.31	245.63	250.99	-
Misc. fabricated textile products	239	8.02	7.95	8.09	8.13	-	318.39	313.23	319.56	326.83	-
Curtains and draperies	2391	6.60	6.60	6.81	6.72	-	239.58	232.32	253.33	260.74	-
House furnishings, nec	2392	6.82	6.77	6.96	7.00	-	274.16	271.48	270.74	275.10	-
Automotive and apparel trimmings	2396	11.35	11.22	10.96	11.11	-	473.30	461.14	449.36	457.73	-
Paper and allied products	26	12.43	12.43	12.72	12.79	12.80	543.19	541.95	550.78	560.20	556.80
Paper mills	262	15.36	15.33	15.69	15.79	-	692.74	702.11	695.07	715.29	-
Paperboard mills	263	15.42	15.58	15.73	15.85	-	707.78	710.45	709.42	727.52	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods—Continued											
Paper and allied products—Continued											
Paperboard containers and boxes	265	43.4	42.9	43.3	43.8	-	5.5	4.9	5.3	5.5	-
Corrugated and solid fiber boxes	2653	44.3	43.8	44.2	45.0	-	6.4	5.6	6.0	6.5	-
Sanitary food containers	2656	43.9	43.7	44.0	43.5	-	4.7	4.4	4.6	4.3	-
Folding paperboard boxes	2657	42.3	42.0	41.9	42.4	-	5.1	4.6	4.5	4.9	-
Misc. converted paper products	267	42.4	42.1	42.1	42.1	-	4.5	4.3	4.3	4.5	-
Paper, coated and laminated, nec	2672	43.0	42.6	42.6	42.0	-	4.1	3.4	3.6	4.0	-
Bags: plastics, laminated, and coated	2673	41.9	41.8	41.2	41.6	-	5.4	4.9	4.6	4.7	-
Envelopes	2677	41.5	41.6	41.6	41.8	-	3.9	3.8	3.6	3.8	-
Printing and publishing	27	38.5	38.0	38.0	38.2	37.9	3.5	3.2	3.0	3.3	-
Newspapers	271	33.2	32.9	32.8	32.7	-	1.4	1.2	1.0	1.1	-
Periodicals	272	38.8	38.6	38.4	38.3	-	3.8	3.7	3.2	3.6	-
Books	273	39.4	38.3	39.6	40.1	-	3.8	3.1	3.7	4.0	-
Book publishing	2731	39.2	38.3	39.7	39.3	-	2.4	2.5	2.3	2.3	-
Book printing	2732	39.6	38.2	39.5	41.0	-	5.5	3.8	5.2	5.9	-
Miscellaneous publishing	274	36.2	36.2	36.4	35.9	-	1.9	1.9	1.8	1.9	-
Commercial printing	275	40.1	39.7	39.6	39.9	-	4.2	3.9	3.7	4.0	-
Commercial printing, lithographic	2752	39.8	39.3	39.5	39.4	-	4.2	3.8	3.6	3.9	-
Commercial printing, nec	2759	40.2	40.2	39.4	40.0	-	3.9	3.7	3.5	4.0	-
Manifold business forms	276	41.5	41.4	41.6	41.1	-	4.0	3.2	4.1	4.0	-
Blankbooks and bookbinding	278	38.7	38.3	38.0	38.1	-	3.4	2.8	2.5	2.5	-
Printing trade services	279	40.0	39.2	39.4	39.6	-	4.9	4.5	4.3	4.6	-
Chemicals and allied products	28	42.7	42.5	42.7	43.3	43.0	4.5	4.5	4.6	4.9	-
Industrial inorganic chemicals	281	43.0	43.4	43.2	43.7	-	4.3	4.6	4.7	4.9	-
Industrial inorganic chemicals, nec	2819	42.5	42.9	43.2	43.4	-	4.2	4.3	4.5	4.8	-
Plastics materials and synthetics	282	42.7	42.6	42.5	42.9	-	4.9	5.2	5.4	5.4	-
Plastics materials and resins	2821	44.1	44.4	43.5	43.9	-	5.7	6.3	6.0	6.1	-
Organic fibers, noncellulosic	2824	41.4	41.0	41.6	41.9	-	3.9	4.0	4.6	4.4	-
Drugs	283	41.9	41.5	42.4	42.5	-	4.1	4.0	4.0	4.1	-
Pharmaceutical preparations	2834	42.1	41.5	42.4	42.5	-	4.1	4.0	3.9	4.2	-
Soap, cleaners, and toilet goods	284	40.9	40.3	41.3	41.6	-	3.5	3.1	3.8	4.1	-
Soap and other detergents	2841	41.8	42.3	42.2	42.9	-	5.0	5.3	5.6	5.8	-
Polishing, sanitation, and finishing preparations	2842,3	41.9	40.6	42.4	42.8	-	4.0	3.1	4.4	4.7	-
Toilet preparations	2844	39.9	39.0	40.0	40.2	-	2.3	1.7	2.4	2.6	-
Paints and allied products	285	42.3	41.9	41.9	42.3	-	3.8	3.3	3.9	4.2	-
Industrial organic chemicals	286	45.3	45.1	44.9	46.6	-	5.8	6.0	5.4	6.6	-
Cyclic crudes and intermediates	2865	43.7	43.5	45.0	46.1	-	5.5	5.7	6.6	7.3	-
Industrial organic chemicals, nec	2869	45.8	45.6	44.9	46.9	-	5.9	6.2	5.2	6.5	-
Agricultural chemicals	287	44.4	44.3	43.8	44.4	-	5.4	5.9	5.5	5.7	-
Miscellaneous chemical products	289	42.3	42.3	42.3	42.9	-	4.7	4.4	4.4	4.4	-
Petroleum and coal products	29	45.3	43.8	43.6	44.7	44.8	6.6	6.4	6.1	6.8	-
Petroleum refining	291	44.8	44.0	43.0	44.2	-	5.8	6.1	5.4	6.3	-
Asphalt paving and roofing materials	295	48.1	44.2	47.1	47.4	-	10.0	7.8	9.3	9.5	-
Rubber and misc. plastics products	30	41.6	41.3	41.2	41.5	41.4	4.1	3.8	3.9	4.1	-
Tires and inner tubes	301	43.6	43.7	42.0	41.5	-	5.3	5.5	5.0	4.4	-
Rubber and plastics footwear	302	41.5	42.7	43.2	41.1	-	3.8	3.4	3.7	3.5	-
Hose, belting, gaskets, and packing	305	42.5	42.4	41.5	42.2	-	4.0	3.7	3.9	4.0	-
Rubber and plastics hose and belting	3052	42.4	42.3	42.5	42.4	-	4.2	4.0	3.7	3.3	-
Fabricated rubber products, nec	306	41.5	41.0	40.8	40.9	-	3.5	3.1	3.1	3.5	-
Miscellaneous plastics products, nec	308	41.3	40.9	41.1	41.5	-	4.0	3.7	3.9	4.2	-
Leather and leather products	31	37.5	37.3	37.8	37.9	37.0	2.1	2.0	2.1	2.4	-
Leather tanning and finishing	311	42.1	41.4	41.8	43.8	-	4.6	3.5	4.3	5.7	-
Footwear, except rubber	314	36.2	35.9	36.7	36.3	-	1.4	1.3	1.6	1.7	-
Men's footwear, except athletic	3143	35.9	36.0	37.0	36.4	-	1.2	1.0	1.9	1.8	-
Women's footwear, except athletic	3144	36.4	35.3	36.0	35.5	-	1.6	1.2	1.4	1.5	-
Luggage	316	40.4	42.1	41.1	40.5	-	2.7	3.1	3.1	2.9	-
Handbags and personal leather goods	317	38.0	38.1	37.9	38.3	-	2.3	2.5	1.6	1.7	-
Transportation and public utilities		39.2	38.7	38.9	39.0	38.7	-	-	-	-	-
Railroad transportation:											
Class I railroads ³	4011	44.3	44.0	45.3	44.4	-	-	-	-	-	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Nondurable goods—Continued											
Paper and allied products—Continued											
Paperboard containers and boxes	265	\$10.54	\$10.46	\$10.84	\$10.83	-	\$457.44	\$448.73	\$469.37	\$474.35	-
Corrugated and solid fiber boxes	2653	10.70	10.59	10.95	10.95	-	474.01	463.84	483.99	492.75	-
Sanitary food containers	2656	10.24	10.37	10.69	10.72	-	449.54	453.17	470.36	466.32	-
Folding paperboard boxes	2657	10.80	10.72	11.16	11.18	-	456.84	450.24	467.60	474.03	-
Misc. converted paper products	267	10.87	10.87	11.11	11.17	-	460.89	457.63	467.73	470.26	-
Paper, coated and laminated, nec	2672	12.25	12.38	12.40	12.73	-	526.75	527.39	528.24	534.66	-
Bags: plastics, laminated, and coated	2673	10.19	10.26	10.44	10.51	-	426.96	428.87	430.13	437.22	-
Envelopes	2677	10.28	10.24	10.50	10.62	-	426.62	425.98	436.80	443.92	-
Printing and publishing	27	11.40	11.36	11.56	11.67	\$11.63	438.90	431.68	439.28	445.79	\$440.78
Newspapers	271	11.22	11.20	11.46	11.55	-	372.50	368.48	375.89	377.69	-
Periodicals	272	12.04	11.95	12.53	12.60	-	467.15	461.27	481.15	482.58	-
Books	273	10.48	10.56	10.54	10.66	-	412.91	404.45	417.38	427.47	-
Book publishing	2731	10.38	10.53	10.19	10.36	-	406.90	403.30	404.54	407.15	-
Book printing	2732	10.59	10.60	10.96	11.00	-	419.36	404.92	432.92	451.00	-
Miscellaneous publishing	274	10.27	10.32	10.60	10.71	-	371.77	373.58	385.84	384.49	-
Commercial printing	275	11.72	11.63	11.83	11.96	-	469.97	461.71	468.47	477.20	-
Commercial printing, lithographic	2752	11.83	11.74	11.84	12.00	-	470.83	461.38	467.68	472.80	-
Commercial printing, nec	2759	11.44	11.32	11.74	11.82	-	459.89	455.06	462.56	472.80	-
Manifold business forms	276	11.82	11.69	12.14	12.11	-	490.53	483.97	505.02	497.72	-
Blankbooks and bookbinding	278	9.00	8.94	9.02	9.15	-	348.30	342.40	342.76	348.62	-
Printing trade services	279	13.89	13.89	13.86	13.94	-	555.60	544.49	546.08	552.02	-
Chemicals and allied products	28	13.64	13.74	14.06	14.22	14.34	582.43	583.95	600.36	615.73	616.62
Industrial inorganic chemicals	281	14.86	14.91	15.19	15.41	-	638.98	647.09	656.21	673.42	-
Industrial inorganic chemicals, nec	2819	15.08	15.08	15.44	15.69	-	640.90	646.93	667.01	680.95	-
Plastics materials and synthetics	282	14.09	14.13	14.88	15.02	-	601.64	601.94	632.40	644.36	-
Plastics materials and resins	2821	14.85	15.04	15.44	15.57	-	654.89	667.78	671.64	683.52	-
Organic fibers, noncellulosic	2824	13.30	13.25	14.21	14.31	-	550.62	543.25	591.14	599.59	-
Drugs	283	12.97	13.17	13.55	13.77	-	543.44	546.56	574.52	585.23	-
Pharmaceutical preparations	2834	12.93	13.13	13.56	13.83	-	544.35	544.90	574.94	587.78	-
Soap, cleaners, and toilet goods	284	11.74	11.89	11.94	12.06	-	480.17	479.17	493.12	501.70	-
Soap and other detergents	2841	15.68	15.80	15.32	15.50	-	655.42	668.34	646.50	664.95	-
Polishing, sanitation, and finishing preparations	2842,3	10.49	10.37	10.68	10.87	-	439.53	421.02	452.83	465.24	-
Toilet preparations	2844	10.01	10.16	10.45	10.47	-	399.40	396.24	418.00	420.89	-
Paints and allied products	285	12.13	12.06	12.56	12.70	-	513.10	505.31	526.26	537.21	-
Industrial organic chemicals	286	16.00	16.12	16.53	16.76	-	724.80	727.01	742.20	781.02	-
Cyclic crudes and intermediates	2865	15.95	15.80	16.03	15.99	-	697.02	687.30	721.35	737.14	-
Industrial organic chemicals, nec	2869	16.18	16.36	16.81	17.10	-	741.04	746.02	754.77	801.99	-
Agricultural chemicals	287	14.00	14.30	14.30	14.41	-	621.60	633.49	626.34	639.80	-
Miscellaneous chemical products	289	12.48	12.43	12.68	12.65	-	527.90	525.79	536.36	542.69	-
Petroleum and coal products	29	16.40	16.40	16.80	17.15	17.08	742.92	718.32	732.48	766.61	765.18
Petroleum refining	291	17.81	17.76	18.34	18.72	-	797.89	781.44	788.62	827.42	-
Asphalt paving and roofing materials	295	13.41	13.38	13.03	13.27	-	645.02	591.40	613.71	629.00	-
Rubber and misc. plastics products	30	9.87	9.87	10.11	10.17	10.19	410.59	407.63	416.53	422.06	421.87
Tires and inner tubes	301	15.56	15.88	16.20	16.02	-	678.42	693.96	680.40	664.83	-
Rubber and plastics footwear	302	6.86	6.64	6.78	7.21	-	284.69	283.53	292.90	296.33	-
Hose, belting, gaskets, and packing	305	9.77	9.68	10.08	10.08	-	415.23	410.43	418.32	425.38	-
Rubber and plastics hose and belting	3052	9.95	9.96	10.32	10.25	-	421.88	421.31	438.60	434.60	-
Fabricated rubber products, nec	306	9.42	9.40	9.58	9.69	-	390.93	385.40	390.86	396.32	-
Miscellaneous plastics products, nec	308	9.24	9.21	9.46	9.56	-	381.61	376.69	388.81	396.74	-
Leather and leather products	31	6.95	6.96	7.10	7.18	7.20	260.63	259.61	268.38	272.12	266.40
Leather tanning and finishing	311	9.18	9.09	9.48	9.62	-	386.48	376.33	396.26	421.36	-
Footwear, except rubber	314	6.67	6.70	6.71	6.78	-	241.45	240.53	246.26	246.11	-
Men's footwear, except athletic	3143	7.30	7.21	7.27	7.37	-	262.07	259.56	268.99	268.27	-
Women's footwear, except athletic	3144	6.15	6.17	6.30	6.32	-	223.86	217.80	226.80	224.36	-
Luggage	316	6.97	6.95	6.93	6.75	-	281.59	292.60	284.82	273.38	-
Handbags and personal leather goods	317	6.06	6.09	6.32	6.40	-	230.28	232.03	239.53	245.12	-
Transportation and public utilities		13.08	13.08	13.26	13.31	13.31	512.74	506.20	515.81	519.09	515.10
Railroad transportation:											
Class I railroads ³	4011	16.08	15.77	16.06	16.12	-	712.34	693.88	727.52	715.73	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Transportation and public utilities—Continued											
Local and interurban passenger transit	41	32.7	32.7	34.7	32.8	-	-	-	-	-	-
Local and suburban transportation	411	38.0	37.9	37.5	37.4	-	-	-	-	-	-
Intercity and rural bus transportation	413	39.7	40.4	38.9	38.6	-	-	-	-	-	-
Trucking and warehousing	42	39.2	38.6	38.9	39.0	-	-	-	-	-	-
Trucking and courier services, except air	421	39.2	38.5	38.9	38.9	-	-	-	-	-	-
Public warehousing and storage	422	39.4	40.1	39.7	40.1	-	-	-	-	-	-
Pipelines, except natural gas	46	42.9	40.6	41.7	42.5	-	-	-	-	-	-
Transportation services:											
Passenger transportation arrangement	472	36.3	35.8	35.8	36.5	-	-	-	-	-	-
Travel agencies	4724	36.3	36.0	35.8	36.4	-	-	-	-	-	-
Freight transportation arrangement	473	38.2	37.5	36.7	37.4	-	-	-	-	-	-
Communications	48	39.9	39.1	39.4	39.7	-	-	-	-	-	-
Telephone communications	481	41.4	40.6	41.0	41.1	-	-	-	-	-	-
Radio and television broadcasting	483	35.4	34.4	34.5	35.4	-	-	-	-	-	-
Cable and other pay television services	484	38.7	38.3	38.5	39.0	-	-	-	-	-	-
Electric, gas, and sanitary services	49	41.9	41.4	41.4	41.8	-	-	-	-	-	-
Electric services	491	42.0	41.6	41.2	41.8	-	-	-	-	-	-
Gas production and distribution	492	42.5	42.4	42.0	42.4	-	-	-	-	-	-
Combination utility services	493	41.5	40.0	41.3	41.6	-	-	-	-	-	-
Sanitary services	495	42.2	42.1	42.2	42.0	-	-	-	-	-	-
Wholesale trade		38.3	38.1	38.2	38.4	38.2	-	-	-	-	-
Durable goods	50	38.8	38.5	38.8	38.9	-	-	-	-	-	-
Motor vehicles, parts, and supplies	501	38.0	37.8	38.1	37.9	-	-	-	-	-	-
Furniture and home furnishings	502	37.6	37.1	36.8	36.7	-	-	-	-	-	-
Lumber and other construction materials	503	40.1	39.8	40.5	40.6	-	-	-	-	-	-
Professional and commercial equipment	504	39.0	38.8	39.0	39.1	-	-	-	-	-	-
Metals and minerals, except petroleum	505	40.4	39.9	40.2	40.6	-	-	-	-	-	-
Electrical goods	506	38.8	38.4	38.7	39.1	-	-	-	-	-	-
Hardware, plumbing, and heating equipment	507	38.9	38.9	38.7	38.8	-	-	-	-	-	-
Machinery, equipment, and supplies	508	39.2	38.9	39.2	39.4	-	-	-	-	-	-
Misc. wholesale trade durable goods	509	37.3	37.2	37.0	37.1	-	-	-	-	-	-
Nondurable goods	51	37.5	37.4	37.6	37.8	-	-	-	-	-	-
Paper and paper products	511	37.5	37.4	37.2	37.5	-	-	-	-	-	-
Drugs, proprietaries, and sundries	512	37.1	37.0	37.6	37.6	-	-	-	-	-	-
Apparel, piece goods, and notions	513	36.7	36.9	37.0	37.1	-	-	-	-	-	-
Groceries and related products	514	38.3	38.0	38.3	38.6	-	-	-	-	-	-
Chemicals and allied products	516	40.1	39.6	40.2	40.1	-	-	-	-	-	-
Petroleum and petroleum products	517	38.7	38.0	38.0	38.4	-	-	-	-	-	-
Beer, wine, and distilled beverages	518	36.7	36.4	37.0	36.7	-	-	-	-	-	-
Misc. wholesale trade nondurable goods	519	36.4	36.6	36.8	36.8	-	-	-	-	-	-
Retail trade		28.9	28.4	29.3	28.8	28.4	-	-	-	-	-
Building materials and garden supplies	52	36.5	35.7	36.5	36.2	-	-	-	-	-	-
Lumber and other building materials	521	38.3	37.6	38.5	38.3	-	-	-	-	-	-
Hardware stores	525	32.3	31.7	32.9	32.2	-	-	-	-	-	-
General merchandise stores	53	28.2	27.9	29.0	28.7	-	-	-	-	-	-
Department stores	531	28.1	27.8	28.9	28.7	-	-	-	-	-	-
Variety stores	533	28.1	27.8	28.0	27.4	-	-	-	-	-	-
Misc. general merchandise stores	539	29.3	28.8	29.8	29.6	-	-	-	-	-	-
Food stores	54	29.8	29.2	30.0	29.7	-	-	-	-	-	-
Grocery stores	541	30.0	29.4	30.1	29.8	-	-	-	-	-	-
Retail bakeries	546	28.8	28.6	29.1	28.7	-	-	-	-	-	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Transportation and public utilities—Continued											
Local and interurban passenger transit	41	\$9.23	\$9.27	\$9.60	\$9.48	-	\$301.82	\$303.13	\$333.12	\$310.94	-
Local and suburban transportation	411	9.90	9.94	10.09	10.18	-	376.20	376.73	378.38	380.73	-
Intercity and rural bus transportation	413	11.80	11.88	12.81	12.77	-	468.46	479.95	498.31	492.92	-
Trucking and warehousing	42	11.81	11.76	11.90	11.99	-	462.95	453.94	462.91	467.61	-
Trucking and courier services, except air	421	11.97	11.94	12.05	12.16	-	469.22	459.69	468.75	473.02	-
Public warehousing and storage	422	9.58	9.48	9.84	9.73	-	377.45	380.15	390.65	390.17	-
Pipelines, except natural gas	46	17.18	17.17	17.15	17.69	-	737.02	697.10	715.16	751.83	-
Transportation services:											
Passenger transportation arrangement	472	9.19	9.18	9.57	9.65	-	333.60	328.64	342.61	352.23	-
Travel agencies	4724	9.32	9.30	9.69	9.77	-	338.32	334.80	346.90	355.63	-
Freight transportation arrangement	473	12.26	12.22	12.22	12.36	-	468.33	458.25	448.47	462.26	-
Communications	48	13.67	13.66	14.10	14.18	-	545.43	534.11	555.54	562.95	-
Telephone communications	481	14.33	14.27	14.82	14.90	-	593.26	579.36	607.62	612.39	-
Radio and television broadcasting	483	12.79	12.97	13.34	13.45	-	452.77	446.17	460.23	476.13	-
Cable and other pay television services	484	10.60	10.69	10.74	10.85	-	410.22	409.43	413.49	423.15	-
Electric, gas, and sanitary services	49	15.42	15.62	15.61	15.89	-	646.10	646.67	646.25	664.20	-
Electric services	491	15.95	16.02	16.22	16.50	-	669.90	666.43	668.26	689.70	-
Gas production and distribution	492	14.50	14.57	14.74	15.14	-	616.25	617.77	619.08	641.94	-
Combination utility services	493	17.99	18.94	18.38	18.65	-	746.59	757.60	759.09	775.84	-
Sanitary services	495	11.67	11.60	11.67	11.90	-	492.47	488.36	492.47	499.80	-
Wholesale trade		10.93	10.86	11.14	11.24	\$11.17	418.62	413.77	425.55	431.62	\$426.69
Durable goods	50	11.32	11.26	11.50	11.64	-	439.22	433.51	446.20	452.80	-
Motor vehicles, parts, and supplies	501	10.12	10.10	10.29	10.41	-	384.56	381.78	392.05	394.54	-
Furniture and home furnishings	502	10.26	10.15	10.16	10.24	-	385.78	376.57	373.89	375.81	-
Lumber and other construction materials	503	10.67	10.60	10.78	10.83	-	427.87	421.88	436.59	439.70	-
Professional and commercial equipment	504	13.31	13.38	13.68	13.85	-	519.09	519.14	533.52	541.54	-
Metals and minerals, except petroleum	505	11.37	11.35	11.69	11.73	-	459.35	452.87	469.94	476.24	-
Electrical goods	506	11.65	11.43	11.71	11.94	-	452.02	438.91	453.18	466.85	-
Hardware, plumbing, and heating equipment	507	10.74	10.64	10.88	11.10	-	417.79	413.90	421.06	430.68	-
Machinery, equipment, and supplies	508	11.28	11.19	11.45	11.56	-	442.18	435.29	448.84	455.46	-
Misc. wholesale trade durable goods	509	8.97	8.93	8.96	8.95	-	334.58	332.20	331.52	332.05	-
Nondurable goods	51	10.38	10.30	10.63	10.71	-	389.25	385.22	399.69	404.84	-
Paper and paper products	511	11.13	10.97	11.17	11.35	-	417.38	410.28	415.52	425.63	-
Drugs, proprietaries, and sundries	512	12.16	11.87	12.49	12.75	-	451.14	439.19	469.62	479.40	-
Apparel, piece goods, and notions	513	10.03	9.97	10.37	10.46	-	368.10	367.89	383.69	388.07	-
Groceries and related products	514	10.47	10.47	10.73	10.76	-	401.00	397.86	410.96	415.34	-
Chemicals and allied products	516	12.65	12.47	12.74	12.85	-	507.27	493.81	512.15	515.29	-
Petroleum and petroleum products	517	10.23	10.13	10.27	10.47	-	395.90	384.94	390.26	402.05	-
Beer, wine, and distilled beverages	518	12.11	12.15	12.66	12.70	-	444.44	442.26	468.42	466.09	-
Misc. wholesale trade nondurable goods	519	8.75	8.72	9.05	9.08	-	318.50	319.15	333.04	334.14	-
Retail trade		6.83	6.83	6.97	7.07	7.07	197.39	193.97	204.22	203.62	200.79
Building materials and garden supplies	52	8.07	8.09	8.11	8.23	-	294.56	288.81	296.02	297.93	-
Lumber and other building materials	521	8.42	8.44	8.44	8.55	-	322.49	317.34	324.94	327.47	-
Hardware stores	525	6.78	6.83	6.93	7.08	-	218.99	216.51	228.00	227.98	-
General merchandise stores	53	6.88	6.85	7.06	7.12	-	194.02	191.12	204.74	204.34	-
Department stores	531	7.01	6.98	7.17	7.23	-	196.98	194.04	207.21	207.50	-
Variety stores	533	5.59	5.58	5.77	5.81	-	157.08	155.12	161.56	159.19	-
Misc. general merchandise stores	539	6.46	6.48	6.98	7.01	-	189.28	186.62	208.00	207.50	-
Food stores	54	7.41	7.42	7.56	7.67	-	220.82	216.66	226.80	227.80	-
Grocery stores	541	7.49	7.50	7.65	7.77	-	224.70	220.50	230.27	231.55	-
Retail bakeries	546	6.35	6.39	6.52	6.59	-	182.88	182.75	189.73	189.13	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Retail trade—Continued											
Automotive dealers and service stations	55	36.3	35.9	36.2	36.0	-	-	-	-	-	-
New and used car dealers	551	37.2	37.1	37.4	37.3	-	-	-	-	-	-
Auto and home supply stores	553	38.5	37.9	38.7	38.4	-	-	-	-	-	-
Gasoline service stations	554	33.9	33.5	33.7	33.3	-	-	-	-	-	-
Automotive dealers, nec	559	34.9	35.1	34.6	35.5	-	-	-	-	-	-
Apparel and accessory stores	56	27.1	26.6	27.8	27.0	-	-	-	-	-	-
Men's and boys' clothing stores	561	27.8	27.3	29.3	28.9	-	-	-	-	-	-
Women's clothing stores	562	24.3	23.7	24.9	24.4	-	-	-	-	-	-
Family clothing stores	565	27.5	27.0	28.2	27.5	-	-	-	-	-	-
Shoe stores	566	30.6	30.1	31.8	30.3	-	-	-	-	-	-
Furniture and home furnishings stores	57	33.1	32.6	33.3	33.3	-	-	-	-	-	-
Furniture and home furnishings stores	571	33.5	33.1	33.6	33.5	-	-	-	-	-	-
Household appliance stores	572	33.4	33.3	34.7	34.7	-	-	-	-	-	-
Radio, television, and computer stores	573	32.4	31.8	32.5	32.5	-	-	-	-	-	-
Radio, television, and electronic stores	5731	32.1	31.5	31.9	31.8	-	-	-	-	-	-
Record and prerecorded tape stores	5735	26.7	26.3	27.0	26.2	-	-	-	-	-	-
Eating and drinking places ⁴	58	25.3	24.7	25.9	25.0	-	-	-	-	-	-
Miscellaneous retail establishments	59	29.5	29.2	30.1	29.6	-	-	-	-	-	-
Drug stores and proprietary stores	591	27.5	27.3	28.3	27.6	-	-	-	-	-	-
Miscellaneous shopping goods stores	594	28.2	27.8	29.1	28.1	-	-	-	-	-	-
Nonstore retailers	596	32.6	32.2	33.3	34.0	-	-	-	-	-	-
Fuel dealers	598	36.9	37.3	37.6	37.7	-	-	-	-	-	-
Retail stores, nec	599	31.2	31.0	31.4	30.9	-	-	-	-	-	-
Finance, insurance, and real estate⁵		36.1	35.5	35.7	36.1	35.5	-	-	-	-	-
Depository institutions	60	35.9	35.2	35.4	35.8	-	-	-	-	-	-
Commercial banks	602	35.9	35.0	35.2	35.7	-	-	-	-	-	-
Credit unions	606	35.8	35.3	35.7	35.7	-	-	-	-	-	-
Nondepository institutions	61	38.2	37.3	37.5	38.3	-	-	-	-	-	-
Personal credit institutions	614	38.2	37.5	37.9	38.2	-	-	-	-	-	-
Security and commodity brokers:											
Security and commodity services	628	37.5	37.1	36.7	37.0	-	-	-	-	-	-
Insurance carriers	63	37.7	37.3	37.4	37.7	-	-	-	-	-	-
Life insurance	631	37.3	36.8	36.6	37.1	-	-	-	-	-	-
Medical service and health insurance	632	38.4	38.2	38.1	37.9	-	-	-	-	-	-
Fire, marine, and casualty insurance	633	37.5	37.2	37.5	37.9	-	-	-	-	-	-
Services		32.7	32.4	32.7	32.6	32.4	-	-	-	-	-
Hotels and other lodging places:											
Hotels and motels ⁴	701	31.3	30.9	31.4	31.1	-	-	-	-	-	-
Personal services:											
Laundry, cleaning, and garment services	721	33.9	34.0	34.1	33.9	-	-	-	-	-	-
Beauty shops ⁴	723	29.4	29.2	29.4	29.2	-	-	-	-	-	-
Miscellaneous personal services	729	25.3	25.3	25.7	24.3	-	-	-	-	-	-
Business services	73	33.1	33.0	33.2	33.2	-	-	-	-	-	-
Advertising	731	36.5	36.1	36.3	36.4	-	-	-	-	-	-
Services to buildings	734	28.5	28.6	28.6	28.4	-	-	-	-	-	-
Personnel supply services:											
Help supply services	7363	30.6	30.7	30.9	30.8	-	-	-	-	-	-
Computer and data processing services	737	38.3	37.8	38.0	38.4	-	-	-	-	-	-
Computer programming services	7371	39.0	38.6	38.2	38.6	-	-	-	-	-	-
Miscellaneous business services	738	34.5	34.2	34.2	34.3	-	-	-	-	-	-
Detective and armored car services	7381	34.0	33.6	34.0	33.7	-	-	-	-	-	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Retail trade—Continued											
Automotive dealers and service stations	55	\$9.09	\$8.94	\$9.12	\$9.21	-	\$329.97	\$320.95	\$330.14	\$331.56	-
New and used car dealers	551	11.38	11.03	11.29	11.41	-	423.34	409.21	422.25	425.59	-
Auto and home supply stores	553	7.87	7.85	8.08	8.11	-	303.00	297.52	312.70	311.42	-
Gasoline service stations	554	6.24	6.25	6.41	6.44	-	211.54	209.38	216.02	214.45	-
Automotive dealers, nec	559	10.95	10.77	10.31	10.50	-	382.16	378.03	356.73	372.75	-
Apparel and accessory stores	56	6.33	6.36	6.69	6.75	-	171.54	169.18	185.98	182.25	-
Men's and boys' clothing stores	561	7.68	7.68	8.02	8.09	-	213.50	209.66	234.99	233.80	-
Women's clothing stores	562	6.12	6.15	6.32	6.41	-	148.72	145.76	157.37	156.40	-
Family clothing stores	565	6.27	6.29	6.47	6.57	-	172.43	169.83	182.45	180.68	-
Shoe stores	566	6.15	6.17	6.99	7.01	-	188.19	185.72	222.28	212.40	-
Furniture and home furnishings stores	57	8.68	8.57	9.00	9.05	-	287.31	279.38	299.70	301.37	-
Furniture and home furnishings stores	571	8.52	8.45	8.69	8.71	-	285.42	279.70	291.98	291.79	-
Household appliance stores	572	8.96	8.80	9.46	9.51	-	299.26	293.04	328.26	330.00	-
Radio, television, and computer stores	573	8.86	8.71	9.39	9.49	-	287.06	276.98	305.18	308.43	-
Radio, television, and electronic stores	5731	8.88	8.67	9.24	9.32	-	285.05	273.11	294.76	296.38	-
Record and prerecorded tape stores	5735	5.32	5.36	5.80	5.68	-	142.04	140.97	156.60	148.82	-
Eating and drinking places ⁴	58	5.02	5.05	5.20	5.24	-	127.01	124.74	134.68	131.00	-
Miscellaneous retail establishments	59	7.21	7.20	7.43	7.53	-	212.70	210.24	223.64	222.89	-
Drug stores and proprietary stores	591	6.91	6.96	7.25	7.39	-	190.03	190.01	205.18	203.96	-
Miscellaneous shopping goods stores	594	6.75	6.74	6.95	7.08	-	190.35	187.37	202.25	198.95	-
Nonstore retailers	596	7.94	7.84	8.28	8.22	-	258.84	252.45	275.72	279.48	-
Fuel dealers	598	9.85	9.96	10.12	10.27	-	363.47	371.51	380.51	387.18	-
Retail stores, nec	599	7.50	7.47	7.69	7.76	-	234.00	231.57	241.47	239.78	-
Finance, insurance, and real estate⁵		10.10	10.08	10.37	10.52	\$10.48	364.61	357.84	370.21	379.77	\$372.04
Depository institutions	60	8.55	8.49	8.78	8.86	-	306.95	298.85	310.81	317.19	-
Commercial banks	602	8.20	8.14	8.42	8.48	-	294.38	284.90	296.38	302.74	-
Credit unions	606	8.23	8.15	8.45	8.61	-	294.63	287.70	301.67	307.38	-
Nondepository institutions	61	10.58	10.52	10.83	11.03	-	404.16	392.40	406.13	422.45	-
Personal credit institutions	614	9.32	9.38	9.51	9.72	-	356.02	351.75	360.43	371.30	-
Security and commodity brokers:											
Security and commodity services	628	13.44	13.45	14.39	14.56	-	504.00	499.00	528.11	538.72	-
Insurance carriers	63	11.32	11.30	11.77	11.91	-	426.76	421.49	440.20	449.01	-
Life insurance	631	10.46	10.45	10.78	10.88	-	390.16	384.56	394.55	403.65	-
Medical service and health insurance	632	10.87	10.77	11.18	11.37	-	417.41	411.41	425.96	430.92	-
Fire, marine, and casualty insurance	633	12.15	12.15	12.68	12.77	-	455.63	451.98	475.50	483.98	-
Services		9.95	9.96	10.15	10.34	10.33	325.37	322.70	331.91	337.08	334.69
Hotels and other lodging places:											
Hotels and motels ⁴	701	7.06	7.08	7.05	7.23	-	220.98	218.77	221.37	224.85	-
Personal services:											
Laundry, cleaning, and garment services	721	6.90	6.91	7.07	7.11	-	233.91	234.94	241.09	241.03	-
Beauty shops ⁴	723	7.12	7.05	7.35	7.30	-	209.33	205.86	216.09	213.16	-
Miscellaneous personal services	729	7.51	7.55	7.79	7.80	-	190.00	191.02	200.20	189.54	-
Business services	73	9.57	9.51	9.74	9.81	-	316.77	313.83	323.37	325.69	-
Advertising	731	13.82	13.57	13.78	14.30	-	504.43	489.88	500.21	520.52	-
Services to buildings	734	7.23	7.18	7.30	7.37	-	206.06	205.35	208.78	209.31	-
Personnel supply services:											
Help supply services	7363	8.03	8.04	8.24	8.16	-	245.72	246.83	254.62	251.33	-
Computer and data processing services	737	15.37	15.29	15.45	15.63	-	588.67	577.96	587.10	600.19	-
Computer programming services	7371	17.63	17.53	17.68	17.93	-	687.57	676.66	675.38	692.10	-
Miscellaneous business services	738	8.09	8.06	8.22	8.29	-	279.11	275.65	281.12	284.35	-
Detective and armored car services	7381	6.36	6.34	6.48	6.59	-	216.24	213.02	220.32	222.08	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average weekly hours					Average overtime hours				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Services—Continued											
Auto repair, services, and parking	75	36.8	36.5	37.1	36.7	-	-	-	-	-	-
Automotive repair shops	753	38.5	38.1	38.6	38.3	-	-	-	-	-	-
Miscellaneous repair services	76	38.2	38.2	38.2	38.5	-	-	-	-	-	-
Motion pictures	78	27.6	27.1	28.6	27.8	-	-	-	-	-	-
Motion picture production and services	781	35.8	35.2	37.1	36.8	-	-	-	-	-	-
Amusement and recreation services	79	26.4	26.3	28.3	26.2	-	-	-	-	-	-
Misc. amusement and recreation services	799	25.9	25.5	28.6	25.9	-	-	-	-	-	-
Physical fitness facilities	7991	18.3	17.8	19.1	18.4	-	-	-	-	-	-
Membership sports and recreation clubs	7997	29.3	28.6	29.6	29.2	-	-	-	-	-	-
Health services	80	32.7	32.4	32.7	32.8	-	-	-	-	-	-
Offices and clinics of medical doctors	801	32.0	31.5	32.1	32.4	-	-	-	-	-	-
Offices and clinics of dentists	802	28.6	28.3	28.3	28.4	-	-	-	-	-	-
Offices and clinics of other health practitioners	804	30.2	29.7	29.5	29.9	-	-	-	-	-	-
Nursing and personal care facilities	805	32.7	32.0	32.1	32.7	-	-	-	-	-	-
Intermediate care facilities	8052	31.6	31.0	31.5	31.9	-	-	-	-	-	-
Hospitals	806	34.2	34.0	34.5	34.2	-	-	-	-	-	-
Home health care services	808	25.8	25.3	26.2	26.7	-	-	-	-	-	-
Legal services	81	35.3	34.6	34.8	35.2	-	-	-	-	-	-
Social services:											
Child day care services	835	29.6	29.9	30.1	29.8	-	-	-	-	-	-
Engineering and management services	87	37.4	37.0	37.3	37.4	-	-	-	-	-	-
Engineering and architectural services	871	39.4	39.1	38.9	39.3	-	-	-	-	-	-
Engineering services	8711	39.8	39.5	39.2	39.5	-	-	-	-	-	-
Architectural services	8712	38.0	37.7	37.8	38.5	-	-	-	-	-	-
Accounting, auditing, and bookkeeping	872	37.4	37.0	37.6	37.6	-	-	-	-	-	-
Research and testing services	873	36.4	36.0	36.6	36.5	-	-	-	-	-	-
Management and public relations	874	35.7	34.9	35.5	35.4	-	-	-	-	-	-
Services, nec	89	36.8	36.3	36.4	36.8	-	-	-	-	-	-

See footnotes at end of table.

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

C-2. Average hours and earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by detailed industry—Continued

Industry	1987 SIC Code	Average hourly earnings					Average weekly earnings				
		Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^P	Oct. 1991 ^P
Services—Continued											
Auto repair, services, and parking	75	\$8.87	\$8.86	\$9.04	\$9.06	-	\$326.42	\$323.39	\$335.38	\$332.50	-
Automotive repair shops	753	9.73	9.73	9.88	9.85	-	374.61	370.71	381.37	377.26	-
Miscellaneous repair services	76	10.43	10.43	10.61	10.68	-	398.43	398.43	405.30	411.18	-
Motion pictures	78	11.28	11.72	11.81	12.29	-	311.33	317.61	337.77	341.66	-
Motion picture production and services	781	17.36	17.92	18.42	18.66	-	621.49	630.78	683.38	686.69	-
Amusement and recreation services	79	8.17	8.29	7.24	7.98	-	215.69	218.03	204.89	209.08	-
Misc. amusement and recreation services	799	7.37	7.46	6.90	7.45	-	190.88	190.23	197.34	192.96	-
Physical fitness facilities	7991	7.79	7.87	7.69	7.82	-	142.56	140.09	146.88	143.89	-
Membership sports and recreation clubs	7997	7.41	7.52	7.22	7.56	-	217.11	215.07	213.71	220.75	-
Health services	80	10.54	10.57	11.04	11.11	-	344.66	342.47	361.01	364.41	-
Offices and clinics of medical doctors	801	10.79	10.82	11.19	11.31	-	345.28	340.83	359.20	366.44	-
Offices and clinics of dentists	802	10.29	10.32	10.63	10.70	-	294.29	292.06	300.83	303.88	-
Offices and clinics of other health practitioners	804	9.23	9.14	9.47	9.58	-	278.75	271.46	279.37	286.44	-
Nursing and personal care facilities	805	7.32	7.37	7.57	7.63	-	239.36	235.84	243.00	249.50	-
Intermediate care facilities	8052	6.69	6.73	6.98	7.05	-	211.40	208.63	219.87	224.90	-
Hospitals	806	11.95	11.97	12.63	12.73	-	408.69	406.98	435.74	435.37	-
Home health care services	808	8.79	8.84	9.42	9.52	-	226.78	223.65	246.80	254.18	-
Legal services	81	14.40	14.27	14.60	14.84	-	508.32	493.74	508.08	522.37	-
Social services:											
Child day care services	835	6.15	6.10	6.12	6.40	-	182.04	182.39	184.21	190.72	-
Engineering and management services	87	13.83	13.73	14.06	14.39	-	517.24	508.01	524.44	538.19	-
Engineering and architectural services	871	15.00	14.96	15.48	15.80	-	591.00	584.94	602.17	620.94	-
Engineering services	8711	15.54	15.50	16.03	16.37	-	618.49	612.25	628.38	646.62	-
Architectural services	8712	13.98	13.87	14.46	14.72	-	531.24	522.90	546.59	566.72	-
Accounting, auditing, and bookkeeping	872	12.54	12.39	12.39	12.87	-	469.00	458.43	465.86	483.91	-
Research and testing services	873	14.34	14.30	14.72	14.96	-	521.98	514.80	538.75	546.04	-
Management and public relations	874	12.67	12.48	12.77	13.07	-	452.32	435.55	453.34	462.68	-
Services, nec	89	14.31	14.17	14.82	15.53	-	526.61	514.37	539.45	571.50	-

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

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

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

⁴ Money payments only; tips, not included.

⁵ Excludes nonoffice commissioned real estate sales agents.

- Data not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 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. 1990	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Aug. 1990	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Average hourly earnings, excluding lump-sum payments	\$15.66	\$15.76	\$16.88	\$16.87	\$14.97	\$15.14	\$15.26	\$15.33
Average hourly earnings, including lump-sum payments	16.38	16.48	17.34	17.31	15.41	15.53	15.56	15.59

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime,¹ of production workers on manufacturing payrolls

Industry	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p
Manufacturing	\$10.41	\$10.46	\$10.67	\$10.74	\$10.75
Durable goods	10.94	10.99	11.25	11.33	11.33
Lumber and wood products	8.79	8.77	8.96	8.99	(?)
Furniture and fixtures	8.32	8.34	8.50	8.53	(?)
Stone, clay, and glass products	10.57	10.57	10.76	10.76	(?)
Primary metal industries	12.28	12.34	12.67	12.75	(?)
Fabricated metal products	10.44	10.48	10.73	10.78	(?)
Industrial machinery and equipment	11.37	11.36	11.63	11.68	(?)
Electronic and other electrical equipment	9.98	10.05	10.35	10.40	(?)
Transportation equipment	13.56	13.70	14.13	14.29	(?)
Instruments and related products	11.02	11.06	11.26	11.30	(?)
Miscellaneous manufacturing	8.31	8.29	8.55	8.56	(?)
Nondurable goods	9.69	9.74	9.92	9.97	\$10.01
Food and kindred products	8.94	9.02	9.23	9.27	(?)
Tobacco products	15.30	15.31	16.22	15.74	(?)
Textile mill products	7.72	7.76	7.90	7.96	(?)
Apparel and other textile products	6.52	6.50	6.63	6.67	(?)
Paper and allied products	11.71	11.75	12.00	12.03	(?)
Printing and publishing	10.91	10.90	11.12	11.19	(?)
Chemicals and allied products	12.95	13.04	13.34	13.46	(?)
Petroleum and coal products	15.28	15.29	15.70	15.93	(?)
Rubber and misc. plastics products	9.41	9.44	9.66	9.69	(?)
Leather and leather products	6.77	6.78	6.91	6.96	(?)

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

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry, in current and constant (1982) dollars

Industry	Average hourly earnings					Average weekly earnings				
	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p	Sept. 1990	Oct. 1990	Aug. 1991	Sept. 1991 ^p	Oct. 1991 ^p
Total private:										
Current dollars	\$10.15	\$10.14	\$10.31	\$10.46	\$10.45	\$353.22	\$347.80	\$357.76	\$362.96	\$359.48
Constant (1982) dollars	7.50	7.45	7.42	7.50	(²)	261.06	255.55	257.57	260.19	(²)
Mining:										
Current dollars	13.86	13.73	14.16	14.36	\$14.19	625.09	612.36	630.12	643.33	\$632.87
Constant (1982) dollars	10.24	10.09	10.19	10.29	(²)	462.00	449.93	453.65	461.17	(²)
Construction:										
Current dollars	13.97	13.97	14.03	14.14	\$14.14	546.23	530.86	542.96	551.46	\$554.29
Constant (1982) dollars	10.33	10.26	10.10	10.14	(²)	403.72	390.05	390.90	395.31	(²)
Manufacturing:										
Current dollars	10.93	10.94	11.17	11.28	\$11.27	451.41	447.45	456.85	466.99	\$463.20
Constant (1982) dollars	8.08	8.04	8.04	8.09	(²)	333.64	328.77	328.91	334.76	(²)
Transportation and public utilities:										
Current dollars	13.08	13.08	13.26	13.31	\$13.31	512.74	506.20	515.81	519.09	\$515.10
Constant (1982) dollars	9.67	9.61	9.55	9.54	(²)	378.97	371.93	371.35	372.11	(²)
Wholesale trade:										
Current dollars	10.93	10.86	11.14	11.24	\$11.17	418.62	413.77	425.55	431.62	\$426.69
Constant (1982) dollars	8.08	7.98	8.02	8.06	(²)	309.40	304.02	306.37	309.41	(²)
Retail trade:										
Current dollars	6.83	6.83	6.97	7.07	\$7.07	197.39	193.97	204.22	203.62	\$200.79
Constant (1982) dollars	5.05	5.02	5.02	5.07	(²)	145.89	142.52	147.03	145.96	(²)
Finance, insurance, and real estate:										
Current dollars	10.10	10.08	10.37	10.52	\$10.48	364.61	357.84	370.21	379.77	\$372.04
Constant (1982) dollars	7.46	7.41	7.47	7.54	(²)	269.48	262.92	266.53	272.24	(²)
Services:										
Current dollars	9.95	9.96	10.15	10.34	\$10.33	325.37	322.70	331.91	337.08	\$334.69
Constant (1982) dollars	7.35	7.32	7.31	7.41	(²)	240.48	237.11	238.96	241.63	(²)

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

² Not available.
^p = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1990 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-5. Average weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

Industry	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. ^P	Oct. ^P
Total private	34.2	34.4	34.6	34.1	34.3	34.2	34.0	34.3	34.6	34.1	34.3	34.5	34.3
Mining	44.0	44.9	44.8	44.4	44.9	44.6	44.3	44.9	45.0	43.9	44.5	44.1	44.1
Construction	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Manufacturing	40.7	40.6	40.7	40.4	40.3	40.3	40.2	40.4	40.8	40.7	41.0	41.0	40.9
<i>Overtime hours</i>	3.6	3.5	3.5	3.4	3.3	3.3	3.3	3.4	3.7	3.7	3.8	3.7	3.7
Durable goods	41.3	41.1	41.2	40.8	40.7	40.6	40.7	40.8	41.3	41.2	41.4	41.5	41.4
<i>Overtime hours</i>	3.6	3.5	3.6	3.3	3.2	3.2	3.3	3.3	3.7	3.7	3.8	3.7	3.7
Lumber and wood products	39.8	39.5	40.0	39.4	39.3	39.2	39.2	39.7	40.6	40.0	40.2	40.4	39.9
Furniture and fixtures	38.6	38.5	38.8	38.5	37.5	38.2	38.9	38.9	39.3	39.2	39.1	39.2	39.1
Stone, clay, and glass products	41.2	41.8	42.0	41.0	41.7	41.3	41.3	41.5	42.0	41.9	41.6	42.0	41.8
Primary metal industries	42.9	42.7	42.3	42.0	41.5	41.4	41.4	41.6	42.3	42.6	43.0	42.8	42.9
Blast furnaces and basic steel products ..	43.7	43.6	43.2	42.6	41.5	41.8	41.3	41.8	42.6	43.1	43.9	43.7	44.1
Fabricated metal products	41.2	40.8	41.1	40.6	40.7	40.6	40.7	40.8	41.2	41.3	41.6	41.7	41.7
Industrial machinery and equipment	42.1	41.8	42.1	41.6	41.5	41.5	41.3	41.2	41.8	41.6	42.0	42.1	41.9
Electronic and other electrical equipment ..	40.7	40.7	40.7	40.3	40.5	40.2	40.6	40.6	40.7	40.7	40.8	40.8	40.5
Transportation equipment	42.5	41.1	41.5	41.5	41.0	40.8	41.0	41.2	42.1	42.3	42.4	42.3	42.6
Motor vehicles and equipment	42.6	41.0	41.5	41.4	40.9	40.5	41.3	41.5	42.9	43.6	43.3	43.0	43.4
Instruments and related products	41.0	41.0	41.2	40.8	41.0	40.9	40.8	40.8	41.0	40.6	41.0	41.3	41.1
Miscellaneous manufacturing	39.8	39.6	39.3	39.0	39.3	39.3	39.2	39.3	39.7	39.6	40.1	40.2	39.9
Nondurable goods	40.0	39.9	40.0	39.9	39.8	39.9	39.7	39.9	40.1	40.1	40.4	40.4	40.3
<i>Overtime hours</i>	3.6	3.6	3.6	3.4	3.4	3.4	3.4	3.5	3.7	3.7	3.8	3.8	3.8
Food and kindred products	40.6	40.7	40.9	40.7	40.6	40.6	40.3	40.3	40.4	40.4	40.5	40.6	40.6
Tobacco products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Textile mill products	39.8	39.3	39.4	39.4	39.2	39.4	39.6	40.2	40.8	41.0	41.4	41.3	41.1
Apparel and other textile products	36.4	36.3	36.6	36.3	36.5	36.6	36.4	36.7	36.9	37.0	37.3	37.4	37.5
Paper and allied products	43.5	43.5	43.5	43.0	43.0	43.2	42.9	43.0	43.2	43.5	43.5	43.4	43.3
Printing and publishing	37.9	37.8	37.8	37.7	37.6	37.6	37.5	37.5	37.8	37.6	37.8	37.7	37.8
Chemicals and allied products	42.6	42.6	42.9	42.6	42.4	42.7	42.4	42.5	42.8	42.6	43.2	43.3	43.1
Petroleum and coal products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rubber and misc. plastics products	41.1	40.8	41.0	40.8	40.6	40.6	40.7	40.9	41.1	41.1	41.4	41.2	41.2
Leather and leather products	37.1	36.8	37.3	36.9	37.2	37.1	37.1	37.2	37.6	37.7	37.3	37.7	36.9
Transportation and public utilities	38.5	38.7	39.0	38.7	38.6	38.6	38.4	38.8	38.9	38.4	38.7	38.8	38.5
Wholesale trade	37.9	38.0	38.3	37.9	37.9	38.1	37.9	38.2	38.4	37.9	38.2	38.2	38.1
Retail trade	28.4	28.7	28.7	28.3	28.6	28.6	28.4	28.7	28.9	28.4	28.6	28.8	28.4
Finance, insurance, and real estate	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Services	32.3	32.5	32.8	32.2	32.5	32.4	32.2	32.5	32.7	32.2	32.4	32.6	32.4

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

² 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.
^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-6. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonfarm payrolls by major industry and manufacturing group, seasonally adjusted

(1982=100)

Industry	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. ^p	Oct. ^p
Total private	122.6	122.9	123.3	121.3	121.5	120.9	120.0	121.2	122.1	120.7	121.5	122.2	121.4
Goods-producing	107.7	106.8	106.7	104.4	104.0	102.7	102.5	103.2	103.8	103.8	104.4	104.5	104.2
Mining	64.4	65.3	65.3	64.9	65.4	65.0	64.3	64.4	64.2	62.5	62.2	60.9	60.8
Construction	130.9	132.9	132.6	125.0	126.9	123.2	122.7	124.4	124.4	123.8	123.3	124.9	124.6
Manufacturing	105.6	104.0	103.9	102.7	101.6	100.9	100.7	101.2	102.0	102.3	103.2	103.0	102.8
Durable goods	104.2	102.1	102.0	100.4	98.8	97.8	97.9	98.4	99.4	99.6	100.3	100.1	99.6
Lumber and wood products	126.3	123.6	123.5	120.5	118.6	117.0	117.4	119.7	122.4	121.3	122.1	122.3	121.2
Furniture and fixtures	120.8	118.0	117.4	115.9	111.7	112.6	115.3	115.6	117.1	115.5	116.5	116.8	116.2
Stone, clay, and glass products	106.4	106.4	106.2	102.1	102.4	99.9	100.1	100.4	101.6	101.6	101.6	102.4	102.1
Primary metal industries	92.6	91.4	90.3	89.0	86.6	85.7	85.4	85.8	86.7	87.8	88.8	87.9	87.6
Blast furnaces and basic steel products	83.3	83.1	81.8	79.1	74.7	74.7	74.1	74.7	75.7	76.2	78.0	77.7	77.6
Fabricated metal products	106.6	104.4	104.6	103.2	100.8	99.9	100.0	100.4	101.6	102.1	102.9	103.2	102.8
Industrial machinery and equipment	96.6	95.2	95.3	93.8	93.0	92.5	91.3	90.5	91.2	90.3	91.3	91.4	90.9
Electronic and other electrical equipment	104.7	103.7	103.1	101.5	101.1	99.7	100.7	101.1	101.3	101.4	101.5	100.9	100.0
Transportation equipment	118.3	111.8	112.5	111.2	108.0	106.3	107.3	109.5	111.0	113.9	114.7	113.6	113.4
Motor vehicles and equipment	128.4	110.3	115.8	114.8	108.7	108.1	113.0	118.6	121.8	128.6	128.6	126.6	126.3
Instruments and related products	85.5	85.2	85.4	84.8	84.8	84.8	83.9	83.4	83.3	82.3	82.6	82.6	82.1
Miscellaneous manufacturing	101.3	100.2	99.4	98.0	98.0	96.9	96.3	96.2	97.1	98.4	99.2	99.5	99.9
Nondurable goods	107.6	106.7	106.7	105.9	105.5	105.2	104.5	105.2	105.8	106.0	107.2	107.0	107.2
Food and kindred products	110.4	110.3	111.2	110.8	111.0	111.0	109.6	110.0	110.4	109.0	111.4	111.1	111.0
Tobacco products	70.0	70.7	70.9	71.8	70.7	67.2	66.2	69.3	68.8	69.7	74.5	68.8	66.9
Textile mill products	95.9	95.0	94.2	93.7	92.3	92.3	93.0	95.2	96.8	98.0	98.7	98.5	98.5
Apparel and other textile products	92.3	91.0	91.3	89.9	90.3	90.5	89.8	91.2	92.1	94.2	94.5	94.9	95.5
Paper and allied products	111.1	110.5	110.2	109.9	109.9	109.7	108.6	108.8	108.9	109.7	110.5	110.2	109.8
Printing and publishing	127.4	126.4	126.0	125.1	124.4	123.5	122.8	122.1	122.7	122.6	122.9	122.8	122.7
Chemicals and allied products	104.4	104.1	104.2	103.4	102.8	103.1	102.4	101.6	101.9	100.9	102.9	102.6	103.7
Petroleum and coal products	86.0	90.3	85.6	84.5	85.9	86.3	87.0	88.4	86.2	85.4	86.4	86.5	86.9
Rubber and misc. plastics products	128.0	125.1	124.8	123.4	121.6	119.7	119.6	121.1	122.1	122.5	124.1	123.9	124.2
Leather and leather products	60.0	58.5	58.3	57.4	57.0	55.9	55.3	55.4	56.0	57.3	56.1	56.8	55.0
Service-producing	129.3	130.1	130.7	128.9	129.4	129.0	127.9	129.3	130.3	128.2	129.2	130.2	129.0
Transportation and public utilities	114.3	115.2	116.1	115.3	114.3	114.1	113.3	114.7	114.8	113.5	114.5	115.0	114.2
Wholesale trade	115.7	115.8	115.8	114.7	114.2	114.3	113.4	114.2	114.5	112.9	113.4	113.5	113.1
Retail trade	121.7	122.7	122.3	120.3	121.1	120.6	119.3	120.6	121.5	119.3	120.1	120.9	118.8
Finance, insurance, and real estate	119.4	120.2	121.6	120.4	120.2	119.9	118.3	119.7	121.3	117.9	119.0	120.4	118.1
Services	146.1	146.7	148.1	145.8	146.9	146.5	145.4	147.1	148.5	146.4	147.8	149.1	148.7

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

C-7. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonfarm payrolls, seasonally adjusted

Industry	1990			1991									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. ^P	Oct. ^P
Average hourly earnings													
Total private (in current dollars)	\$10.10	\$10.13	\$10.17	\$10.18	\$10.20	\$10.24	\$10.28	\$10.32	\$10.37	\$10.36	\$10.40	\$10.42	\$10.41
Mining	13.83	13.88	13.89	14.04	13.99	14.03	14.05	14.13	14.30	14.24	14.27	14.35	14.29
Construction	13.86	13.85	13.87	13.95	13.97	13.97	14.05	14.00	13.98	14.01	14.07	14.03	14.03
Manufacturing	10.96	10.96	10.99	11.02	11.03	11.05	11.12	11.15	11.19	11.22	11.25	11.26	11.28
Excluding overtime²	10.50	10.50	10.54	10.58	10.59	10.61	10.65	10.70	10.71	10.74	10.76	10.77	10.78
Transportation and public utilities	13.05	13.07	13.11	13.15	13.13	13.16	13.19	13.24	13.23	13.26	13.30	13.26	13.27
Wholesale trade	10.88	10.93	11.00	11.00	11.05	11.07	11.08	11.12	11.23	11.14	11.22	11.23	11.19
Retail trade	6.82	6.83	6.84	6.86	6.87	6.90	6.97	6.98	7.01	7.03	7.04	7.05	7.06
Finance, insurance, and real estate	10.09	10.12	10.22	10.17	10.22	10.32	10.28	10.35	10.50	10.40	10.47	10.54	10.48
Services	9.92	9.98	10.03	10.03	10.07	10.13	10.16	10.24	10.29	10.25	10.30	10.33	10.29
Total private (in constant dollars)³	7.43	7.43	7.44	7.42	7.43	7.46	7.47	7.47	7.49	7.47	7.49	7.48	(*)
Average weekly earnings													
Total private:													
In current dollars	345.42	348.47	351.88	347.14	349.86	350.21	349.52	353.98	358.80	353.28	356.72	359.49	357.06
In constant (1982) dollars³	254.17	255.66	257.41	253.02	254.81	255.07	253.83	256.32	259.25	254.89	257.00	258.07	(*)

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

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

³ The Consumer Price Index for Urban Wage Earners and Clerical

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

⁴ Not available.

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1990 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1987 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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Alabama	41.4	41.4	41.4	\$9.40	\$9.73	\$9.80	\$389.16	\$402.82	\$405.72
Birmingham	41.4	41.3	40.9	9.65	10.14	10.19	399.51	418.78	416.77
Mobile	42.3	42.8	42.7	11.00	11.56	11.59	465.30	494.77	494.89
Alaska	42.0	54.5	43.8	13.03	10.91	12.45	547.26	594.59	545.31
Arizona	40.8	40.7	40.4	10.38	10.77	10.75	423.50	438.34	434.30
Arkansas	41.9	41.8	42.1	8.61	8.86	8.90	360.76	370.35	374.69
Fayetteville-Springdale	40.4	39.4	38.9	7.90	8.35	8.35	319.16	328.99	324.82
Fort Smith	41.6	40.6	40.6	8.89	9.05	9.06	369.82	367.43	367.84
Little Rock-North Little Rock	41.8	42.6	42.9	9.07	9.17	9.20	379.13	390.64	394.68
Pine Bluff	44.1	41.8	42.0	10.41	10.63	10.63	459.08	444.33	446.46
California	40.8	40.7	40.9	11.57	11.89	12.00	472.06	483.92	490.80
Anaheim-Santa Ana	41.2	40.1	41.0	11.58	12.06	12.05	477.10	483.61	494.05
Bakersfield	39.9	41.6	39.8	12.36	12.66	12.82	493.16	526.66	510.24
Fresno	41.4	41.4	40.9	9.61	10.13	10.09	397.85	419.38	412.68
Los Angeles-Long Beach	40.8	41.0	41.1	11.15	11.31	11.46	454.92	463.71	471.01
Modesto	40.2	42.8	41.3	10.58	11.33	11.38	425.32	484.92	469.99
Oakland	40.8	41.4	41.5	13.62	13.85	13.90	555.70	573.39	576.85
Oxnard-Ventura	42.2	40.4	41.1	10.88	10.92	10.97	459.14	441.17	450.87
Riverside-San Bernardino	40.3	40.8	40.2	10.41	10.69	10.75	419.52	436.15	432.15
Sacramento	40.8	42.1	41.9	12.17	12.41	12.49	496.54	522.46	523.33
Salinas-Seaside-Monterey	39.0	40.0	38.3	11.62	11.44	11.24	453.18	457.60	430.49
San Diego	41.3	40.3	40.4	11.68	11.95	11.97	482.38	481.59	483.59
San Francisco	39.7	40.3	40.3	12.96	12.89	12.95	514.51	519.47	521.89
San Jose	40.9	40.7	41.7	13.68	14.30	14.29	559.51	582.01	595.89
Santa Barbara-Santa Maria-Lompoc	40.5	41.2	40.9	11.85	12.49	12.55	479.93	514.59	513.30
Santa Rosa-Petaluma	39.7	37.7	38.3	11.40	11.87	11.95	452.58	447.50	457.89
Stockton	42.2	43.0	41.8	11.16	11.51	11.57	470.95	494.93	483.63
Vallejo-Fairfield-Napa	39.8	40.9	40.6	13.63	13.74	13.85	542.47	561.97	562.31
Colorado	41.2	38.5	39.3	11.22	11.32	11.37	462.26	435.82	446.84
Denver	40.8	40.4	41.3	12.59	12.37	12.51	513.67	499.75	516.66
Connecticut	42.1	41.4	41.9	11.59	12.00	12.11	487.94	496.80	507.41
Bridgeport-Milford	41.5	40.8	41.4	12.19	12.65	12.87	505.89	516.12	532.82
Hartford	42.2	41.7	42.6	12.49	12.52	13.09	527.08	522.08	557.63
New Britain	42.8	40.2	42.1	12.50	12.30	12.21	535.00	494.46	514.04
New Haven-Meriden	41.4	40.7	41.2	11.12	11.51	11.53	460.37	468.46	475.04
Stamford	39.5	41.1	40.8	12.64	11.75	12.20	499.28	482.93	497.76
Waterbury	42.3	42.9	42.7	10.87	11.14	11.36	459.80	477.91	485.07
Delaware	42.5	40.2	42.1	12.23	11.89	12.49	519.78	477.98	525.83
Wilmington	43.2	39.1	42.4	14.94	14.13	14.64	645.41	552.48	620.74
District of Columbia:									
Washington MSA	39.2	38.8	39.4	12.52	13.06	13.14	490.78	506.73	517.72
Florida	40.5	40.6	41.0	9.02	9.30	9.31	365.31	377.58	381.71
Fort Lauderdale-Hollywood-Pompano Beach	40.7	41.0	41.8	9.20	9.42	9.43	374.44	386.22	394.17
Jacksonville	41.4	41.6	40.4	9.53	9.76	9.69	394.54	406.02	391.48
Miami-Hialeah	39.4	39.2	39.7	7.61	7.75	7.75	299.83	303.80	307.68
Orlando	41.0	39.7	40.0	10.32	10.38	10.24	423.12	412.09	409.60
Pensacola	43.1	42.8	42.8	11.30	11.94	11.82	487.03	511.03	505.90
Tampa-St. Petersburg-Clearwater	40.1	40.6	41.5	9.25	9.55	9.63	370.93	387.73	399.65
West Palm Beach-Boca Raton-Delray Beach	39.7	40.9	40.4	9.87	9.66	9.94	391.84	395.09	401.58
Georgia	41.2	41.4	41.3	9.23	9.57	9.62	380.28	396.20	397.31
Atlanta	41.8	41.3	39.9	10.72	11.26	11.35	448.10	465.04	452.87
Savannah	46.0	48.0	47.8	11.65	11.73	12.01	535.90	563.04	574.08
Hawaii	41.8	40.7	41.0	11.04	11.45	11.34	461.47	466.02	464.94
Honolulu	39.7	40.4	39.0	11.50	11.87	11.79	456.55	479.55	459.81
Idaho	42.7	40.1	40.6	10.33	11.09	11.20	441.09	444.71	454.72

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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Illinois	42.0	40.9	41.1	\$11.54	\$11.70	\$11.75	\$484.68	\$478.53	\$482.93
Aurora-Elgin	42.0	40.9	41.2	11.32	11.45	11.48	475.44	468.31	472.98
Bloomington-Normal	45.9	40.5	39.6	14.11	13.89	13.88	647.65	562.55	549.65
Champaign-Urbana-Rantoul	41.1	42.0	43.8	9.99	10.33	10.46	410.59	433.86	458.15
Chicago	41.7	41.0	40.9	11.21	11.46	11.49	467.46	469.86	469.94
Davenport-Rock Island-Moline	42.3	40.7	40.7	13.53	13.71	13.84	572.32	558.00	563.29
Decatur	43.6	42.6	43.7	14.77	14.60	14.67	643.97	621.96	641.08
Joliet	42.5	41.6	41.5	13.17	13.53	13.52	559.73	562.85	561.08
Kankakee	42.3	42.0	42.0	12.05	12.16	12.23	509.72	510.72	513.66
Lake County	40.3	40.6	40.7	11.57	11.76	11.75	466.27	477.46	478.23
Peoria	43.5	43.1	43.6	14.10	14.81	14.92	613.35	638.31	650.51
Rockford	43.1	41.1	42.2	12.58	12.47	12.79	542.20	512.52	539.74
Springfield	39.9	37.0	37.9	10.70	11.21	11.06	426.93	414.77	419.17
Indiana	42.0	41.6	42.3	12.14	12.40	12.47	509.88	515.84	527.48
Anderson	40.3	40.4	44.9	15.61	16.42	17.24	629.08	663.37	774.08
Bloomington	39.9	38.2	39.8	10.69	11.61	11.76	426.53	443.50	468.05
Elkhart-Goshen	38.6	40.5	40.1	9.92	10.33	10.48	382.91	418.37	420.25
Evansville	41.9	43.0	43.7	12.28	12.65	12.73	514.53	543.95	556.30
Fort Wayne	41.3	40.8	41.6	12.50	12.81	13.05	516.25	522.65	542.88
Gary-Hammond	43.1	42.8	42.9	16.29	16.31	16.30	702.10	698.07	699.27
Indianapolis	42.7	41.7	42.6	12.68	13.09	13.28	541.44	545.85	565.73
Kokomo	43.1	39.4	42.8	16.92	17.44	16.81	729.25	687.14	719.47
Lafayette-West Lafayette	43.1	40.9	42.6	12.27	12.73	12.40	528.84	520.66	528.24
Muncie	46.4	45.0	44.0	13.30	13.46	13.71	617.12	605.70	603.24
South Bend-Mishawaka	41.3	40.6	42.6	11.32	11.53	11.64	467.52	468.12	495.86
Terre Haute	37.7	41.8	44.0	10.52	11.03	10.98	396.60	461.05	483.12
Iowa	41.2	40.4	41.2	11.39	11.49	11.72	469.27	464.20	482.86
Cedar Rapids	39.9	39.8	41.0	14.27	14.78	14.80	569.37	588.24	606.80
Des Moines	40.4	42.6	42.6	12.49	12.43	12.54	504.60	529.52	534.20
Dubuque	42.9	39.8	41.0	12.34	10.59	12.06	529.39	421.48	494.46
Sioux City	43.0	39.8	41.4	8.96	9.56	9.67	385.28	380.49	400.34
Kansas	40.9	40.3	40.3	11.11	11.29	11.36	454.40	454.99	457.81
Topeka	39.0	39.6	39.4	12.55	12.62	13.28	489.45	499.75	523.23
Wichita	40.7	39.6	39.9	12.20	12.90	12.95	496.54	510.84	516.71
Kentucky	40.6	40.5	40.7	10.73	11.15	11.07	435.64	451.58	450.55
Lexington-Fayette	41.8	41.9	41.4	11.27	11.99	11.85	471.09	502.38	490.59
Louisville	42.3	41.4	42.0	12.19	12.91	12.72	515.64	534.47	534.24
Louisiana	43.6	42.9	43.3	11.57	11.84	11.91	504.45	507.94	515.70
Baton Rouge	44.8	44.1	44.7	13.95	13.76	14.06	624.96	606.82	628.48
New Orleans	42.1	41.2	42.0	11.09	11.33	11.53	466.89	466.80	484.26
Shreveport	42.6	42.0	42.2	12.03	12.89	12.82	512.48	541.38	541.00
Maine	40.3	40.1	41.1	10.75	10.94	11.12	433.23	438.69	457.03
Lewiston-Auburn	39.4	40.4	41.4	9.49	9.06	8.94	373.91	366.02	370.12
Portland	38.1	38.0	38.6	11.08	10.41	10.37	422.15	395.58	400.28
Maryland	41.3	41.0	41.3	11.64	12.02	12.14	480.73	492.82	501.38
Baltimore MSA	41.2	41.9	42.4	12.13	12.65	12.76	499.76	530.04	541.02
Massachusetts	40.8	40.9	41.3	11.49	11.69	11.73	468.79	478.12	484.45
Boston	40.6	40.3	40.7	12.17	12.47	12.58	494.10	502.54	512.01
Springfield	41.4	40.9	41.1	10.89	11.35	11.37	450.85	464.22	467.31
Worcester	41.4	42.0	42.5	11.12	11.15	11.24	460.37	468.30	477.70
Michigan	43.1	41.7	42.9	14.07	14.54	14.66	606.42	606.32	628.91
Ann Arbor	44.2	42.5	42.0	15.93	16.34	17.05	704.11	694.45	716.10
Battle Creek	42.2	42.7	42.3	14.74	14.88	15.19	622.03	635.38	642.54
Detroit	44.3	42.5	43.7	15.15	15.61	15.65	671.14	663.42	683.90
Flint	42.9	41.8	43.0	17.69	18.52	18.65	758.90	774.14	801.95
Grand Rapids	41.2	39.5	41.2	11.97	12.42	12.43	493.16	490.59	512.12
Jackson	42.5	40.1	42.6	10.83	10.90	10.99	460.27	437.09	468.17
Kalamazoo	43.6	42.8	44.1	14.02	14.73	15.06	611.27	630.44	664.15
Lansing-East Lansing	42.2	39.6	40.9	15.65	16.66	17.21	660.43	659.74	703.89
Muskegon	41.2	39.2	39.5	12.70	12.11	12.18	523.24	474.71	481.11
Saginaw-Bay City-Midland	44.3	42.1	43.4	16.52	16.60	16.83	731.84	698.86	730.42

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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Minnesota	41.2	40.9	40.9	\$11.25	\$11.47	\$11.54	\$463.50	\$469.12	\$471.99
Duluth	41.4	40.4	39.7	11.50	11.61	11.10	476.10	469.04	440.67
Minneapolis-St. Paul	40.9	40.6	40.6	12.01	12.27	12.34	491.21	498.16	501.00
St. Cloud	39.4	41.3	40.7	10.24	10.27	10.26	403.46	424.15	417.58
Mississippi	39.9	40.0	40.7	8.43	8.66	8.73	336.36	346.40	355.31
Jackson	40.9	40.7	41.1	9.42	9.16	9.53	385.28	372.81	391.68
Missouri	41.0	40.9	41.2	10.74	10.93	11.06	440.34	447.04	455.67
Kansas City	40.9	41.3	41.3	11.46	12.53	12.49	468.71	517.49	515.84
St. Louis	42.2	42.0	42.4	13.07	12.97	13.16	551.55	544.74	557.98
Springfield	41.1	42.2	41.6	9.30	9.69	9.75	382.23	408.92	405.60
Montana	40.4	39.7	38.9	11.94	11.64	11.91	482.38	462.11	463.30
Nebraska	42.0	41.4	41.3	9.75	9.72	9.90	409.50	402.41	408.87
Lincoln	40.4	40.8	41.5	11.12	10.97	11.25	449.25	447.58	466.88
Omaha	42.0	41.1	41.1	10.28	10.38	10.49	431.76	426.62	431.14
Nevada	40.5	40.7	40.3	10.96	11.09	11.20	443.88	451.36	451.36
Las Vegas	41.6	40.3	40.0	12.43	12.71	12.72	517.09	512.21	508.80
New Hampshire	40.6	41.0	42.2	10.82	10.79	10.91	439.29	442.39	460.40
Manchester	41.1	41.2	41.8	11.07	10.79	11.12	454.98	444.55	464.82
Nashua	40.6	40.0	43.2	13.64	13.05	12.83	553.78	522.00	554.26
Portsmouth-Dover-Rochester	41.4	41.9	41.6	9.94	10.67	10.56	411.52	447.07	439.30
New Jersey	41.6	41.3	41.5	11.80	12.24	12.33	490.88	505.51	511.70
New Mexico	40.7	40.5	41.0	8.95	9.34	9.33	364.27	378.27	382.53
Albuquerque	39.4	41.1	40.8	9.41	9.69	9.75	370.75	398.26	397.80
New York	40.0	39.7	40.2	11.24	11.43	11.50	449.60	453.77	462.30
Albany-Schenectady-Troy	40.8	41.0	41.6	11.99	12.39	12.49	489.19	507.99	519.58
Binghamton	39.6	39.8	39.8	10.23	9.61	9.69	405.11	382.48	385.66
Buffalo	43.5	41.4	41.7	13.18	13.65	13.74	573.33	565.11	572.96
Elmira	40.4	41.2	40.8	10.16	10.63	10.60	410.46	437.96	432.48
Nassau-Suffolk	39.6	38.9	39.0	11.90	12.00	12.06	471.24	466.80	470.34
New York PMSA	37.2	37.6	37.5	10.34	10.41	10.53	384.65	391.42	394.88
New York City	37.0	37.5	37.2	10.18	10.18	10.28	376.66	381.75	382.42
Niagara Falls	41.5	39.9	41.5	14.41	14.40	14.74	598.02	574.56	611.71
Orange County	39.8	40.1	40.3	9.48	10.07	10.23	377.30	403.81	412.27
Poughkeepsie	40.3	40.3	40.6	10.84	11.16	11.14	436.85	449.75	452.28
Rochester	43.1	41.7	42.5	12.78	13.45	13.50	550.82	560.87	573.75
Rockland County	41.1	38.6	39.1	9.23	10.77	10.73	379.35	415.72	419.54
Syracuse	41.2	41.0	41.2	12.56	12.60	12.72	517.47	516.60	524.06
Utica-Rome	40.9	40.1	40.1	10.41	10.62	10.52	425.77	425.86	421.85
Westchester County	37.3	38.9	39.0	12.19	12.16	12.52	454.69	473.02	488.28
North Carolina	40.3	40.5	40.7	8.88	9.22	9.22	357.86	373.41	375.25
Asheville	41.1	41.1	41.0	8.86	9.14	9.15	364.15	375.65	375.15
Charlotte-Gastonia-Rock Hill	40.5	39.9	40.2	9.53	9.84	9.88	385.97	392.62	397.18
Greensboro-Winston-Salem-High Point	39.3	39.6	39.8	9.56	10.00	9.95	375.71	396.00	396.01
Raleigh-Durham	42.2	42.5	42.8	10.15	10.55	10.68	428.33	448.38	457.10
North Dakota	39.5	40.5	38.9	8.98	9.32	9.60	354.71	377.46	373.44
Fargo-Moorhead	38.7	37.1	39.4	8.86	9.37	8.95	342.88	347.63	352.63
Ohio	43.2	42.2	43.0	12.89	13.13	13.33	556.85	554.09	573.19
Akron	43.4	42.3	42.9	12.21	11.95	12.41	529.91	505.49	532.39
Canton	42.9	41.4	42.5	11.46	11.28	11.33	491.63	466.99	481.53
Cincinnati	43.4	43.1	43.2	12.20	12.75	12.71	529.48	549.53	549.07
Cleveland	43.1	42.4	42.4	12.31	12.63	12.75	530.56	535.51	540.60
Columbus	42.2	42.5	42.3	12.55	13.02	13.05	529.61	553.35	552.02
Dayton-Springfield	43.1	42.5	43.4	13.69	14.05	14.29	590.04	597.13	620.19
Toledo	44.4	42.7	43.3	13.76	13.94	14.08	610.94	595.24	609.66
Youngstown-Warren	44.7	41.3	44.5	15.26	15.25	16.02	682.12	629.83	712.89

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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Oklahoma	40.8	41.1	41.0	\$10.78	\$11.13	\$11.26	\$439.82	\$457.44	\$461.66
Oklahoma City	41.5	41.4	41.2	11.97	12.07	12.36	496.76	499.70	509.23
Tulsa	41.7	42.0	41.9	11.42	11.88	11.81	476.21	498.96	494.84
Oregon	40.6	39.4	40.2	11.17	11.37	11.51	453.50	447.98	462.70
Eugene-Springfield	38.3	38.9	39.5	10.90	11.26	11.44	417.47	438.01	451.88
Medford	40.5	40.2	41.3	11.19	11.21	11.32	453.20	450.64	467.52
Portland	40.1	39.6	39.9	11.59	11.78	11.91	464.76	466.49	475.21
Salem	38.3	38.0	38.7	9.10	9.08	9.39	348.53	345.04	363.39
Pennsylvania	41.1	40.8	40.9	11.14	11.48	11.52	457.85	468.38	471.17
Allentown-Bethlehem	40.5	40.5	40.4	11.11	11.55	11.64	449.96	467.78	470.26
Altoona	39.7	39.8	40.5	9.71	9.32	9.41	385.49	370.94	381.11
Beaver County	43.5	44.7	45.1	11.24	11.36	11.57	488.94	507.79	521.81
Erie	43.9	42.7	42.7	11.84	12.03	12.04	519.78	513.68	514.11
Harrisburg-Lebanon-Carlisle	40.7	40.4	40.5	11.13	11.74	11.71	452.99	474.30	474.26
Johnstown	39.8	38.8	39.0	8.79	8.94	9.07	349.84	346.87	353.73
Lancaster	40.2	40.1	40.3	11.17	11.37	11.36	449.03	455.94	457.81
Philadelphia PMSA	40.4	39.9	40.6	12.02	12.42	12.52	485.61	495.56	508.31
Pittsburgh	42.2	41.1	41.6	11.54	11.86	11.90	486.99	487.45	495.04
Reading	40.7	41.1	41.4	11.61	12.02	12.16	472.53	494.02	503.42
Scranton-Wilkes-Barre	39.5	39.4	39.9	9.78	10.09	10.25	386.31	397.55	408.98
Sharon	44.3	42.1	45.5	12.15	12.28	12.68	538.25	516.99	576.94
State College	41.5	38.9	39.2	10.04	10.26	10.28	416.66	399.11	402.98
Williamsport	40.0	40.6	40.7	9.34	10.68	10.74	373.60	433.61	437.12
York	41.9	41.8	41.9	10.80	11.30	11.28	452.52	472.34	472.63
Rhode Island	40.2	39.9	41.8	9.51	9.65	9.66	382.30	385.04	403.79
Pawtucket-Woonsocket-Attleboro	39.4	40.3	41.6	8.92	9.04	8.97	351.45	364.31	373.15
Providence	40.1	39.6	41.4	9.24	9.99	9.92	370.52	395.60	410.69
South Carolina	41.0	41.1	41.3	8.96	9.17	9.19	367.36	376.89	379.55
Charleston	41.0	40.6	40.8	9.16	9.49	9.49	375.56	385.29	387.19
Columbia	41.6	41.6	42.0	9.12	9.48	9.53	379.39	394.37	400.26
Greenville-Spartanburg	41.2	41.0	41.2	8.91	9.23	9.25	367.09	378.43	381.10
South Dakota	41.9	41.1	42.2	8.55	8.81	8.82	358.25	362.09	372.20
Rapid City	40.4	39.5	44.1	9.29	9.72	9.90	375.32	383.94	436.59
Sioux Falls	42.1	41.2	41.6	8.79	9.12	9.16	370.06	375.74	381.06
Tennessee	39.1	39.8	39.8	9.70	9.98	9.95	379.27	397.20	396.01
Chattanooga	40.6	41.9	41.4	8.80	10.13	10.13	357.28	424.45	419.38
Johnson City-Kingsport-Bristol	40.7	40.4	40.4	10.12	10.88	10.82	411.88	439.55	437.13
Knoxville	39.0	40.7	40.8	9.39	9.90	10.02	366.21	402.93	408.82
Memphis	40.5	41.1	41.0	9.66	10.35	10.12	391.23	425.39	414.92
Nashville	40.1	42.1	42.2	11.37	11.25	11.23	455.94	473.63	473.91
Texas	42.3	42.2	42.7	10.53	10.84	10.91	445.42	457.45	465.86
Dallas	42.7	41.7	42.1	10.27	10.65	10.74	438.53	444.11	452.15
Ft. Worth-Arlington	41.2	42.6	42.6	11.44	11.80	11.90	471.33	502.68	506.94
Houston	45.3	44.3	45.0	12.18	12.50	12.59	551.75	553.75	566.55
San Antonio	41.2	40.3	41.1	7.87	8.33	8.26	324.24	335.70	339.49
Utah	40.3	40.0	40.7	10.38	10.76	10.75	418.31	430.40	437.53
Salt Lake City-Ogden	40.3	40.0	40.5	10.42	10.93	10.80	419.93	437.20	437.40
Vermont	40.9	40.0	41.6	10.75	10.90	10.96	439.68	436.00	455.94
Burlington	40.0	40.7	42.2	11.17	11.43	11.32	446.80	465.20	477.70
Virginia	40.6	40.9	41.2	10.14	10.43	10.44	411.68	426.59	430.13
Bristol	40.6	41.8	40.3	8.62	8.73	8.56	349.97	364.91	344.97
Charlottesville	41.6	42.0	41.2	8.90	9.28	9.21	370.24	389.76	379.45
Danville	40.4	42.5	42.8	9.57	9.90	9.75	386.63	420.75	417.30
Lynchburg	41.6	41.6	41.2	10.04	10.07	9.96	417.66	418.91	410.35
Northern Virginia	40.4	40.1	40.4	11.34	11.99	12.07	458.14	480.80	487.63
Richmond-Petersburg	43.5	42.4	42.6	13.29	13.62	13.65	578.12	577.49	581.49
Roanoke	41.6	41.4	42.3	11.63	12.31	12.48	483.81	509.63	527.90
Washington	40.5	39.7	40.2	12.65	13.31	13.27	512.33	528.41	533.45

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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
West Virginia	40.9	40.4	40.9	\$11.53	\$11.73	\$11.81	\$471.58	\$473.89	\$483.03
Charleston	44.6	44.4	44.6	13.09	13.31	14.08	583.81	590.96	627.97
Huntington-Ashland	41.3	40.6	40.3	13.35	14.04	13.73	551.36	570.02	553.32
Parkersburg-Marietta	41.4	40.9	41.4	13.42	13.95	14.04	555.59	570.56	581.26
Wheeling	42.5	40.2	48.5	13.58	14.21	14.96	577.15	571.24	725.56
Wisconsin	42.6	41.3	42.1	11.10	11.34	11.44	472.86	468.34	481.62
Appleton-Oshkosh	43.5	43.4	43.3	12.13	11.94	12.07	527.66	518.20	522.63
Eau Claire	44.4	45.0	44.1	11.64	12.27	12.02	516.82	552.15	530.08
Green Bay	42.6	42.8	42.1	11.73	12.11	12.41	499.70	518.31	522.46
Janesville-Beloit	45.2	41.1	42.3	14.44	14.31	14.35	652.69	588.14	607.01
Kenosha	41.9	41.1	41.2	11.97	11.93	12.02	501.54	490.32	495.22
La Crosse	41.6	40.8	40.6	9.81	9.77	9.80	408.10	398.62	397.88
Madison	42.4	42.9	43.5	10.31	10.53	10.67	437.14	451.74	464.15
Milwaukee	41.7	41.3	41.6	11.99	12.46	12.46	499.98	514.60	518.34
Racine	39.6	39.2	39.9	11.61	12.03	12.18	459.76	471.58	485.98
Sheboygan	45.6	41.1	45.2	10.80	11.29	11.42	492.48	464.02	516.18
Wausau	43.9	42.8	44.8	11.21	10.99	11.20	492.12	470.37	501.76
Wyoming	39.2	39.5	39.5	11.06	10.96	11.40	433.55	432.92	450.30
Puerto Rico	39.5	39.3	39.3	6.14	6.37	6.40	242.53	250.34	251.52
Virgin Islands	43.4	41.1	41.8	11.96	12.46	12.32	519.06	512.11	514.98

¹ Not available.

^P = preliminary.

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

publication. All State and area data have been adjusted to March 1990 benchmarks.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Industry	Millions of hours (annual rate) ¹			Percent change		
	Aug. 1991 ^r	Sept. 1991 ^r	Oct. 1991 ^p	Oct. 1990 to Oct. 1991 ^p	Aug. 1991 to Sept. 1991 ^r	Sept. 1991 to Oct. 1991 ^p
Total	200,636	201,832	200,894	-0.6	0.6	-0.5
Private sector	164,016	164,921	163,738	-.9	.6	-.7
Mining	1,604	1,569	1,559	-4.0	-2.2	-.6
Construction	9,246	9,385	9,274	-4.1	1.5	-1.2
Manufacturing	39,224	39,194	39,060	-2.8	-.1	-.3
Durable goods	22,627	22,616	22,505	-4.4	.0	-.5
Nondurable goods	16,597	16,578	16,556	-.6	-.1	-.1
Transportation and public utilities	11,712	11,753	11,674	-.4	.3	-.7
Wholesale trade	12,018	12,012	11,968	-1.9	.0	-.4
Retail trade	28,767	28,962	28,490	-1.9	.7	-1.6
Finance, insurance, and real estate	12,414	12,560	12,359	-.8	1.2	-1.6
Services	49,032	49,487	49,352	2.2	.9	-.3
Government	36,619	36,912	37,157	1.0	.8	.7

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

^p = preliminary.

^r = revised.

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

nonsupervisory workers, and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2285, chapter 10, Productivity Measures: Business Sector and Major Subsectors. SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

(1982 = 100)

Item	Annual average		Quarterly index										
	1989	1990	1989				1990				1991		
			I	II	III	IV	I	II	III	IV	I	II ^r	III ^p
Business sector													
Output per hour of all persons	112.8	112.4	113.0	113.1	112.8	112.2	112.0	112.4	112.7	112.3	112.3	112.2	112.8
Output	135.8	136.1	135.6	135.9	136.1	135.5	136.0	136.4	136.5	135.4	133.7	133.6	134.5
Hours	120.4	121.1	120.0	120.1	120.7	120.7	121.3	121.3	121.2	120.5	119.1	119.1	119.2
Compensation per hour	133.0	138.4	131.8	132.8	133.4	134.2	135.7	137.7	139.4	140.6	142.0	143.6	144.8
Real compensation per hour	103.5	102.2	104.4	103.6	103.2	102.9	102.2	102.7	102.3	101.4	101.5	102.1	102.3
Unit labor costs	118.0	123.1	116.6	117.3	118.3	119.6	121.1	122.5	123.7	125.2	126.4	128.0	128.4
Unit nonlabor payments	133.1	136.6	130.9	133.4	133.8	134.4	135.5	137.0	137.5	136.5	138.4	139.8	140.0
Implicit price deflator	122.8	127.5	121.2	122.5	123.3	124.3	125.8	127.2	128.2	128.8	130.3	131.8	132.1
Nonfarm business sector													
Output per hour of all persons	111.9	111.2	112.1	112.1	111.9	111.3	111.0	111.3	111.5	111.2	111.2	111.2	111.8
Output	136.7	136.9	136.4	136.8	137.1	136.3	136.8	137.2	137.4	136.1	134.5	134.3	135.3
Hours	122.2	123.1	121.7	122.1	122.5	122.5	123.3	123.3	123.2	122.4	120.9	120.8	121.0
Compensation per hour	132.1	137.2	131.0	131.7	132.4	133.3	134.6	136.6	138.2	139.5	140.9	142.5	143.8
Real compensation per hour	102.8	101.3	103.7	102.7	102.5	102.2	101.3	101.8	101.4	100.6	100.8	101.4	101.5
Unit labor costs	118.1	123.4	116.9	117.5	118.3	119.8	121.3	122.7	124.0	125.4	126.7	128.2	128.6
Unit nonlabor payments	133.8	137.1	131.1	134.0	134.7	135.3	135.7	137.4	138.0	137.5	139.3	140.2	140.8
Implicit price deflator	123.0	127.7	121.4	122.7	123.5	124.7	125.8	127.3	128.4	129.2	130.7	132.0	132.4
Manufacturing													
Output per hour of all persons	133.3	136.6	133.1	133.8	133.1	133.4	134.7	136.0	138.0	137.2	136.6	137.9	139.3
Output	146.4	147.0	147.1	147.1	146.0	145.3	145.9	147.5	148.8	145.7	141.6	142.4	144.7
Hours	109.8	107.6	110.5	110.0	109.8	108.9	108.4	108.5	107.8	106.2	103.6	103.2	103.9
Compensation per hour	127.7	131.8	126.6	127.1	128.4	128.9	129.3	131.0	132.5	133.8	134.6	136.6	137.7
Real compensation per hour	99.3	97.3	100.2	99.1	99.4	98.8	97.3	97.7	97.2	96.5	96.3	97.1	97.2
Unit labor costs	95.8	96.5	95.1	95.0	96.5	96.6	96.0	96.3	96.1	97.5	98.6	99.0	98.8
Durable goods													
Output per hour of all persons	145.6	150.6	144.3	146.3	146.2	145.7	147.3	149.9	153.0	151.4	150.8	152.0	153.9
Output	161.0	161.4	161.7	162.2	161.0	159.1	159.7	162.6	164.3	159.1	153.5	154.3	156.8
Hours	110.6	107.2	112.1	110.9	110.2	109.2	108.5	108.4	107.4	105.1	101.8	101.5	101.8
Compensation per hour	126.5	130.7	125.2	125.7	127.4	127.8	128.1	129.8	131.5	132.8	133.7	135.7	137.1
Real compensation per hour	98.5	96.5	99.1	98.1	98.6	98.0	96.5	96.8	96.5	95.7	95.6	96.5	96.8
Unit labor costs	86.9	86.8	86.8	86.0	87.2	87.7	87.0	86.5	86.0	87.7	88.7	89.2	89.0
Nondurable goods													
Output per hour of all persons	116.7	118.1	117.9	116.9	115.5	116.9	117.9	117.4	118.1	118.7	118.2	119.6	120.4
Output	126.9	127.7	127.6	127.1	126.1	126.9	127.6	127.4	128.0	127.8	125.7	126.4	128.7
Hours	108.7	108.1	108.2	108.7	109.2	108.5	108.2	108.5	108.4	107.7	106.3	105.7	106.9
Compensation per hour	129.4	133.8	128.4	129.0	129.8	130.6	131.3	133.1	134.4	135.8	136.8	138.6	139.4
Real compensation per hour	100.7	98.8	101.7	100.7	100.5	100.1	98.8	99.2	98.6	97.9	97.8	98.6	98.4
Unit labor costs	110.8	113.2	108.9	110.4	112.4	111.7	111.3	113.4	113.8	114.4	115.7	115.9	115.8
Nonfinancial corporations													
Output per all-employee hour	115.1	114.6	114.6	114.9	115.6	114.5	114.0	114.8	114.6	114.6	114.3	114.5	(¹)
Output	140.4	140.6	139.5	140.3	141.5	140.4	140.5	141.4	141.1	139.6	137.3	137.3	(¹)
Hours	122.1	122.8	121.7	122.1	122.4	122.6	123.2	123.2	123.1	121.8	120.1	119.9	(¹)
Compensation per hour	129.5	134.2	128.2	128.9	129.7	130.3	131.2	133.7	135.2	136.4	137.7	139.2	(¹)
Real compensation per hour	100.7	99.1	101.5	100.6	100.4	99.9	98.8	99.7	99.2	98.4	98.4	99.0	(¹)
Total unit costs	111.4	116.3	110.1	110.9	111.5	113.2	114.3	115.4	117.1	118.6	120.5	121.5	(¹)
Unit labor costs	112.5	117.1	111.9	112.2	112.1	113.9	115.1	116.5	118.0	119.0	120.4	121.6	(¹)
Unit nonlabor costs	108.6	114.3	105.4	107.5	109.8	111.5	112.4	112.6	114.8	117.3	120.8	121.1	(¹)
Unit profits	153.4	139.5	158.4	158.4	154.4	142.5	142.9	149.1	138.6	127.5	125.3	129.9	(¹)
Implicit price deflator	114.0	117.8	113.1	113.9	114.2	115.0	116.1	117.5	118.5	119.1	120.8	122.0	(¹)

¹ Not available.
^p = preliminary.

^r = revised.
SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

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

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	II 1990	III 1990	IV 1990	I 1991	II 1991 ¹	III 1991 ^P	II 1990	III 1990	IV 1990	I 1991	II 1991 ¹	III 1991 ^P
Business sector												
Output per hour of all persons	1.4	0.9	-1.2	0.0	-0.5	2.3	-0.6	-0.1	0.1	0.2	-0.2	0.1
Output	1.2	.5	-3.4	-4.7	-5	2.9	.3	.3	-1	-1.6	-2.0	-1.5
Hours	-2	-4	-2.1	-4.7	.0	.6	1.0	.4	-2	-1.9	-1.8	-1.6
Compensation per hour	6.1	5.0	3.3	4.0	4.6	3.5	3.7	4.5	4.8	4.6	4.2	3.9
Real compensation per hour	2.1	-1.7	-3.4	.5	2.4	.5	-8	-9	-1.4	-7	-6	.0
Unit labor costs	4.7	4.1	4.6	4.1	5.1	1.2	4.4	4.6	4.7	4.4	4.5	3.7
Unit nonlabor payments	4.5	1.7	-3.0	5.7	3.9	.8	2.7	2.8	1.6	2.2	2.0	1.8
Implicit price deflator	4.6	3.2	2.0	4.6	4.7	1.1	3.8	4.0	3.6	3.6	3.6	3.1
Nonfarm business sector												
Output per hour of all persons	1.2	.6	-8	.0	-3	2.4	-7	-4	-1	.2	-1	.3
Output	1.2	.4	-3.6	-4.8	-4	3.0	.3	.2	-1	-1.7	-2.1	-1.5
Hours .....	.0	-1	-2.8	-4.9	-1	.6	1.0	.6	-1	-2.0	-2.0	-1.8
Compensation per hour	5.9	5.0	3.7	4.2	4.6	3.5	3.7	4.4	4.6	4.7	4.4	4.0
Real compensation per hour	2.0	-1.8	-3.0	.7	2.5	.5	-9	-1.1	-1.5	-6	-4	.1
Unit labor costs	4.7	4.4	4.6	4.2	4.9	1.1	4.4	4.8	4.7	4.5	4.5	3.7
Unit nonlabor payments	5.1	1.9	-1.5	5.2	2.8	1.7	2.5	2.5	1.7	2.6	2.1	2.0
Implicit price deflator	4.8	3.6	2.5	4.5	4.2	1.3	3.8	4.0	3.7	3.8	3.7	3.1
Manufacturing												
Output per hour of all persons	3.8	6.1	-2.2	-1.8	3.9	4.0	1.6	3.7	2.9	1.4	1.4	.9
Output	4.3	3.5	-8.1	-10.8	2.2	6.8	.2	1.9	.3	-3.0	-3.5	-2.7
Hours .....	.5	-2.4	-6.0	-9.1	-1.6	2.7	-1.4	-1.8	-2.5	-4.3	-4.8	-3.6
Compensation per hour	5.3	4.8	3.7	2.6	5.9	3.2	3.1	3.3	3.8	4.1	4.3	3.9
Real compensation per hour	1.4	-1.9	-3.0	-9	3.7	.2	-1.4	-2.2	-2.3	-1.1	-5	.0
Unit labor costs	1.5	-1.1	6.0	4.5	1.9	-7	1.4	-4	.9	2.7	2.8	2.9
Durable goods												
Output per hour of all persons	7.4	8.4	-4.1	-1.6	3.3	5.1	2.5	4.7	3.9	2.4	1.4	.6
Output	7.3	4.3	-12.1	-13.3	2.2	6.4	.3	2.0	.0	-3.9	-5.1	-4.6
Hours	-1	-3.8	-8.3	-11.9	-1.1	1.2	-2.2	-2.5	-3.8	-6.1	-6.4	-5.2
Compensation per hour	5.3	5.6	3.8	2.8	6.1	4.2	3.2	3.2	3.9	4.4	4.6	4.2
Real compensation per hour	1.3	-1.2	-3.0	-7	3.9	1.1	-1.4	-2.2	-2.3	-9	-3	.3
Unit labor costs	-2.0	-2.6	8.2	4.5	2.7	-9	.7	-1.4	.0	1.9	3.1	3.6
Nondurable goods												
Output per hour of all persons	-1.8	2.6	1.9	-1.4	4.7	2.6	.4	2.3	1.5	.3	1.9	1.9
Output	-6	2.1	-9	-6.4	2.3	7.6	.2	1.6	.7	-1.5	-8	.5
Hours	1.3	-4	-2.7	-5.1	-2.3	4.8	-2	-7	-7	-1.8	-2.6	-1.4
Compensation per hour	5.6	4.0	4.2	3.0	5.5	2.1	3.1	3.5	4.0	4.2	4.2	3.7
Real compensation per hour	1.6	-2.7	-2.5	-5	3.4	-8	-1.4	-1.9	-2.2	-1.0	-6	-1
Unit labor costs	7.6	1.4	2.3	4.4	.8	-5	2.7	1.2	2.5	3.9	2.2	1.7
Nonfinancial corporations												
Output per all-employee hour	2.6	-7	.2	-1.1	.5	(¹)	-1	-9	.1	.2	-3	(¹)
Output	2.5	-8	-4.1	-6.5	-1	(¹)	.8	-3	-6	-2.3	-2.9	(¹)
Hours .....	.0	-1	-4.3	-5.5	-6	(¹)	.9	.6	-7	-2.5	-2.6	(¹)
Compensation per hour	7.6	4.8	3.6	3.8	4.6	(¹)	3.7	4.3	4.7	4.9	4.2	(¹)
Real compensation per hour	3.6	-2.0	-3.1	.2	2.4	(¹)	-9	-1.2	-1.5	-4	-6	(¹)
Total unit costs	3.7	6.3	5.0	6.9	3.1	(¹)	4.0	5.1	4.7	5.4	5.3	(¹)
Unit labor costs	4.9	5.5	3.4	4.9	4.0	(¹)	3.8	5.3	4.5	4.7	4.5	(¹)
Unit nonlabor costs .....	.5	8.3	9.1	12.2	1.0	(¹)	4.7	4.6	5.2	7.4	7.6	(¹)
Unit profits	18.6	-25.3	-28.4	-6.8	15.8	(¹)	-5.9	-10.2	-10.5	-12.3	-12.8	(¹)
Implicit price deflator	4.8	3.4	2.2	5.9	3.9	(¹)	3.2	3.8	3.5	4.1	3.9	(¹)

¹ Not available.
^P = preliminary.

^r = revised.
SOURCE: Office of Productivity and Technology (202 523 9261).

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

D-1. 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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Alabama	1,900.8	1,892.0	1,894.5	136.6	140.6	126.0	7.2	7.4	6.6
Birmingham	443.6	439.5	441.8	27.2	26.7	24.8	6.1	6.1	5.6
Huntsville	133.5	132.4	131.8	6.6	7.1	6.2	5.0	5.4	4.7
Mobile	213.7	211.9	211.5	15.9	16.5	14.9	7.4	7.8	7.0
Montgomery	137.2	136.0	135.7	9.4	9.0	8.1	6.9	6.6	6.0
Tuscaloosa	73.3	72.9	74.1	3.7	4.4	3.9	5.0	6.0	5.3
Alaska	260.2	268.4	260.5	16.4	17.9	19.6	6.3	6.7	7.5
Arizona	1,742.8	1,707.6	1,709.5	89.7	99.2	94.9	5.1	5.8	5.6
Phoenix	1,080.8	1,063.5	1,061.1	44.7	51.5	51.5	4.1	4.8	4.9
Tucson	318.4	315.0	316.8	12.4	12.0	11.6	3.9	3.8	3.7
Arkansas	1,146.3	1,121.2	1,112.5	78.7	82.1	76.4	6.9	7.3	6.9
Fayetteville-Springdale	64.9	63.4	63.3	2.4	2.6	2.4	3.7	4.1	3.8
Fort Smith	92.9	92.1	90.2	6.0	6.7	7.2	6.5	7.3	7.9
Little Rock-North Little Rock	269.8	267.0	264.8	16.7	17.7	16.4	6.2	6.6	6.2
Pine Bluff	37.9	36.8	36.7	3.5	4.0	3.7	9.3	10.8	10.1
California¹	14,607.8	15,023.9	14,968.6	846.5	1,081.9	1,122.9	5.8	7.2	7.5
Anaheim-Santa Ana	1,357.0	1,386.3	1,375.0	52.0	65.7	67.0	3.8	4.7	4.9
Bakersfield	231.3	238.5	236.4	23.3	24.5	24.9	10.1	10.3	10.6
Fresno	346.8	340.0	351.4	28.2	30.3	29.5	8.1	8.9	8.4
Los Angeles-Long Beach ¹	4,386.0	4,575.0	4,563.0	269.0	388.0	425.0	6.1	8.5	9.3
Modesto	168.5	175.6	172.4	14.9	18.2	17.4	8.8	10.3	10.1
Oakland	1,086.2	1,107.3	1,102.4	49.4	59.7	59.8	4.5	5.4	5.4
Oxnard-Ventura	373.0	373.8	370.6	25.3	28.5	29.0	6.8	7.6	7.8
Riverside-San Bernardino	1,067.5	1,106.9	1,106.4	81.1	100.7	100.6	7.6	9.1	9.1
Sacramento	736.6	753.7	752.2	34.6	42.7	47.0	4.7	5.7	6.2
Salinas-Seaside-Monterey	160.7	167.7	166.2	10.7	11.3	11.6	6.7	6.7	7.0
San Diego	1,166.4	1,181.4	1,174.4	60.4	71.4	72.7	5.2	6.0	6.2
San Francisco	862.2	886.2	875.4	31.1	40.3	39.3	3.6	4.5	4.5
San Jose	798.1	818.5	804.6	35.1	43.7	44.1	4.4	5.3	5.5
Santa Barbara-Santa Maria-Lompoc	178.7	179.5	179.0	8.4	9.4	10.0	4.7	5.2	5.6
Santa Rosa-Petaluma	213.4	218.2	219.8	9.2	11.8	11.6	4.3	5.4	5.3
Stockton	199.3	206.9	207.6	15.9	18.8	18.9	8.0	9.1	9.1
Vallejo-Fairfield-Napa	202.6	208.3	207.0	10.9	13.0	13.1	5.4	6.3	6.3
Colorado	1,774.1	1,768.2	1,772.6	71.5	71.9	66.8	4.0	4.1	3.8
Boulder-Longmont	140.2	137.3	140.3	4.3	4.3	3.9	3.1	3.1	2.8
Denver	904.9	903.6	907.1	34.8	35.5	33.3	3.8	3.9	3.7
Connecticut	1,783.5	1,837.4	1,798.5	90.4	126.6	115.7	5.1	6.9	6.4
Bridgeport-Milford	230.5	237.8	231.6	14.5	18.7	17.3	6.3	7.8	7.5
Hartford	435.3	441.9	433.6	19.7	29.2	27.0	4.5	6.6	6.2
New Britain	74.4	76.2	75.4	4.4	7.0	6.3	5.9	9.2	8.4
New Haven-Meriden	288.1	292.0	287.3	14.4	19.3	17.5	5.0	6.6	6.1
Stamford	113.6	120.7	116.4	4.1	5.6	5.1	3.6	4.7	4.4
Waterbury	103.7	104.9	102.7	7.6	10.7	9.6	7.3	10.2	9.4
Delaware	361.5	365.3	358.6	21.1	24.6	22.2	5.8	6.7	6.2
Wilmington	311.5	313.3	308.9	17.7	22.4	18.9	5.7	7.1	6.1
District of Columbia	294.8	289.4	281.6	21.4	20.8	22.5	7.3	7.2	8.0
Washington	2,210.9	2,251.8	2,241.2	85.0	97.6	96.5	3.8	4.3	4.3
Florida¹	6,419.2	6,556.3	6,473.4	395.2	546.0	519.1	6.2	8.3	8.0
Daytona Beach	161.0	166.0	164.1	8.8	12.5	11.9	5.5	7.5	7.2
Fort Lauderdale-Hollywood-Pompano Beach	666.0	681.5	671.5	37.6	58.2	54.5	5.6	8.5	8.1
Fort Myers-Cape Coral	151.5	162.6	161.2	7.2	11.3	11.1	4.7	7.0	6.9
Gainesville	111.4	111.5	111.8	4.1	5.4	5.2	3.6	4.9	4.6
Jacksonville	469.6	475.9	472.3	25.8	34.5	33.7	5.5	7.2	7.1
Lakeland-Winter Haven	181.2	186.6	186.0	19.0	23.8	21.9	10.5	12.8	11.8
Melbourne-Titusville-Palm Bay	197.4	200.1	195.1	11.1	15.7	14.8	5.6	7.8	7.6
Miami-Hialeah	964.6	967.3	942.9	68.3	92.6	87.8	7.1	9.6	9.3
Orlando	651.2	655.0	645.8	36.0	45.9	43.8	5.5	7.0	6.8
Pensacola	152.4	155.1	153.4	8.9	10.1	9.6	5.8	6.5	6.3
Sarasota	127.6	131.8	129.4	5.6	7.7	7.2	4.4	5.8	5.5
Tallahassee	139.7	138.9	140.2	5.2	6.7	6.4	3.8	4.9	4.5
Tampa-St. Petersburg-Clearwater	1,024.9	1,050.2	1,038.8	52.7	73.6	71.3	5.1	7.0	6.9
West Palm Beach-Boca Raton-Delray Beach	427.4	435.5	432.9	30.9	47.1	45.3	7.2	10.8	10.5

See footnotes at end of table.

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

D-1. 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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Georgia	3,262.0	3,158.7	3,150.1	208.1	166.7	157.6	6.4	5.3	5.0
Albany	54.4	53.6	53.3	4.2	3.3	3.0	7.8	6.1	5.6
Athens	76.3	73.0	73.4	4.2	2.8	2.9	5.5	3.9	3.9
Atlanta	1,545.1	1,498.8	1,490.6	96.1	76.0	72.6	6.2	5.1	4.9
Augusta	200.8	199.7	196.9	9.8	9.7	9.1	4.9	4.8	4.6
Columbus	101.2	100.8	100.0	6.6	5.7	5.5	6.6	5.7	5.5
Macon-Warner Robins	136.2	132.2	132.3	7.2	6.1	6.0	5.3	4.6	4.5
Savannah	118.9	117.6	117.2	6.8	5.9	5.5	5.7	5.0	4.7
Hawaii	533.6	559.0	556.1	15.0	14.1	15.4	2.8	2.5	2.8
Honolulu	385.2	400.6	397.5	10.1	8.5	9.4	2.6	2.1	2.4
Idaho	489.0	511.1	503.4	22.8	25.6	23.9	4.7	5.0	4.7
Boise City	113.3	118.6	114.9	4.3	3.9	4.2	3.8	3.3	3.6
Illinois ¹	6,028.8	6,094.9	6,010.0	393.1	440.9	398.1	6.5	7.2	6.6
Aurora-Elgin	189.3	194.5	192.5	11.4	13.7	12.9	6.0	7.0	6.7
Bloomington-Normal	76.0	74.4	76.2	3.0	3.2	2.9	4.0	4.3	3.8
Champaign-Urbana-Rantoul	90.5	90.9	90.8	3.4	3.9	3.6	3.8	4.3	4.0
Chicago	3,301.3	3,323.2	3,285.4	217.5	233.4	217.1	6.6	7.0	6.6
Davenport-Rock Island-Moline	182.1	188.1	182.9	10.4	14.9	11.9	5.7	7.9	6.5
Decatur	60.4	60.9	60.6	4.6	5.5	5.0	7.6	9.1	8.2
Joliet	211.4	214.3	213.0	14.1	15.7	14.3	6.7	7.3	6.7
Kankakee	47.7	48.6	47.9	3.4	4.2	3.8	7.1	8.7	7.9
Lake County	309.8	318.9	311.6	12.6	14.3	12.8	4.1	4.5	4.1
Peoria	166.3	168.1	166.1	10.2	11.7	10.6	6.1	7.0	6.4
Rockford	156.6	159.6	156.3	9.5	17.7	12.0	6.0	11.1	7.7
Springfield	113.7	121.9	114.7	5.2	5.8	5.5	4.6	4.8	4.8
Indiana	2,820.6	2,841.2	2,806.4	134.4	152.7	160.7	4.8	5.4	5.7
Anderson	59.2	57.7	57.4	3.6	3.6	3.7	6.0	6.3	6.4
Bloomington	61.2	61.5	61.8	1.6	4.0	2.0	2.5	6.5	3.3
Elkhart-Goshen	93.8	95.1	92.8	5.7	5.2	5.5	6.1	5.5	6.0
Evansville	142.6	144.5	142.7	6.7	8.3	8.4	4.7	5.8	5.9
Fort Wayne	204.6	201.1	199.5	10.3	9.6	11.9	5.1	4.8	6.0
Gary-Hammond	263.0	260.2	259.8	13.6	15.5	18.2	5.2	5.9	7.0
Indianapolis	666.8	696.9	681.4	24.1	31.7	31.2	3.6	4.6	4.6
Kokomo	47.3	45.8	45.1	2.7	2.9	3.1	5.7	6.4	6.8
Lafayette-West Lafayette	69.2	64.7	67.5	1.4	1.8	2.2	2.1	2.8	3.2
Muncie	60.4	59.1	60.9	2.6	2.9	3.4	4.3	4.9	5.7
South Bend-Mishawaka	130.7	128.9	129.8	6.3	6.7	7.6	4.9	5.2	5.9
Terre Haute	61.2	60.7	61.3	2.4	3.0	3.2	3.9	5.0	5.2
Iowa	1,474.6	1,502.0	1,475.8	58.9	69.8	62.9	4.0	4.7	4.3
Cedar Rapids	96.5	97.1	94.3	5.6	4.9	4.4	5.8	5.0	4.6
Des Moines	233.9	237.5	231.8	7.7	9.8	9.3	3.3	4.1	4.0
Dubuque	44.1	46.1	44.3	2.0	4.2	2.1	4.5	9.1	4.8
Iowa City	60.4	59.8	59.5	1.0	1.0	1.0	1.6	1.7	1.6
Sioux City	59.5	61.6	60.4	2.3	2.8	2.6	3.9	4.5	4.3
Waterloo-Cedar Falls	72.5	72.5	73.3	3.5	4.0	4.1	4.9	5.5	5.5
Kansas	1,295.1	1,315.9	1,302.4	57.5	63.5	55.2	4.4	4.8	4.2
Lawrence	45.1	44.0	44.8	1.6	1.6	1.4	3.6	3.6	3.1
Topeka	91.5	93.3	91.3	5.0	5.2	4.7	5.5	5.6	5.1
Wichita	255.4	264.8	260.6	11.8	13.4	11.3	4.6	5.1	4.4
Kentucky	1,765.0	1,810.8	1,785.2	97.8	140.1	134.6	5.5	7.7	7.5
Lexington-Fayette	197.2	196.4	194.0	6.6	9.6	9.1	3.4	4.9	4.7
Louisville	523.1	530.8	517.8	31.5	32.3	32.0	6.0	6.1	6.2
Owensboro	44.8	44.8	44.6	2.4	3.5	3.3	5.3	7.9	7.5
Louisiana	1,895.5	1,936.6	1,939.3	125.1	148.9	131.6	6.6	7.7	6.8
Alexandria	58.0	59.5	59.1	3.9	4.8	4.0	6.7	8.0	6.8
Baton Rouge	271.3	277.6	280.2	15.7	19.3	16.3	5.8	6.9	5.8
Houma-Thibodaux	68.8	72.5	73.4	4.0	5.2	4.8	5.8	7.2	6.6
Lafayette	106.6	109.4	108.9	5.5	6.5	6.1	5.1	6.0	5.6
Lake Charles	78.2	83.3	83.1	5.4	7.8	7.0	6.9	9.4	8.4
Monroe	68.9	68.9	71.2	4.5	4.8	4.3	6.6	7.0	6.0
New Orleans	584.1	593.6	593.4	37.3	40.7	36.6	6.4	6.9	6.2
Shreveport	154.7	157.3	159.4	10.4	11.3	10.5	6.7	7.2	6.6
Maine	637.0	651.0	638.6	29.4	39.9	42.7	4.6	6.1	6.7
Lewiston-Auburn	42.5	41.9	42.2	3.0	3.9	4.2	7.0	9.4	10.0
Portland	132.4	134.2	131.4	4.8	6.3	6.9	3.7	4.7	5.3

See footnotes at end of table.

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

D-1. 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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Maryland	2,536.9	2,595.3	2,586.2	128.8	142.7	133.2	5.1	5.5	5.2
Baltimore	1,210.5	1,240.2	1,232.9	66.8	76.8	71.2	5.5	6.2	5.8
Massachusetts ¹	3,146.8	3,108.9	3,124.9	193.8	275.1	279.1	6.2	8.8	8.9
Boston	1,543.3	1,522.0	1,530.1	84.6	120.5	122.9	5.5	7.9	8.0
Brockton	99.3	98.5	99.2	7.7	11.0	11.0	7.8	11.2	11.1
Fall River	74.9	75.9	76.2	6.8	9.5	9.3	9.1	12.6	12.2
Fitchburg-Leominster	45.8	44.8	45.5	4.3	5.4	5.4	9.3	12.1	11.8
Lawrence-Haverhill	187.5	185.1	185.2	15.8	19.7	19.9	8.4	10.6	10.7
Lowell	148.9	144.9	147.0	10.8	15.0	15.4	7.2	10.3	10.5
New Bedford	86.2	87.6	85.8	7.5	10.3	10.0	8.8	11.8	11.6
Pittsfield	41.1	42.3	42.7	2.4	3.9	4.0	5.8	9.1	9.5
Springfield	256.2	255.8	258.2	15.2	23.5	23.9	5.9	9.2	9.3
Worcester	216.1	210.2	213.1	14.2	20.6	21.0	6.6	9.8	9.9
Michigan ¹	4,579.1	4,531.6	4,510.0	314.5	393.3	416.7	6.9	8.7	9.2
Ann Arbor	163.5	156.5	160.6	6.9	9.5	10.0	4.2	6.1	6.2
Battle Creek	64.8	62.9	63.1	4.7	5.0	5.1	7.2	8.0	8.2
Benton Harbor	78.3	78.4	77.6	5.4	6.9	7.3	6.9	8.7	9.4
Detroit	2,143.0	2,091.2	2,084.6	150.6	183.5	200.3	7.0	8.8	9.6
Flint	184.3	185.7	185.5	14.6	22.7	25.0	7.9	12.2	13.5
Grand Rapids	379.2	379.1	379.5	21.1	28.3	29.3	5.6	7.5	7.7
Jackson	66.2	64.9	64.7	5.1	6.2	6.7	7.7	9.6	10.3
Kalamazoo	121.1	116.4	118.3	5.8	7.1	7.6	4.8	6.1	6.4
Lansing-East Lansing	237.1	234.5	230.7	12.9	18.1	15.4	5.4	7.7	6.7
Muskegon	68.7	68.9	68.4	6.1	8.3	8.4	8.9	12.0	12.2
Saginaw-Bay City-Midland	187.2	188.5	186.1	12.3	15.2	15.1	6.6	8.0	8.1
Minnesota	2,441.1	2,472.3	2,409.9	115.4	119.0	125.6	4.7	4.8	5.2
Duluth	114.3	115.4	112.1	6.0	6.8	6.7	5.3	5.9	6.0
Minneapolis-St. Paul	1,423.4	1,430.7	1,390.1	65.9	65.7	72.4	4.6	4.6	5.2
Rochester	66.3	68.0	65.0	2.3	2.6	2.2	3.4	3.9	3.3
St. Cloud	101.5	104.4	103.9	5.3	5.6	6.0	5.2	5.4	5.8
Mississippi	1,177.4	1,184.3	1,174.4	86.4	103.9	94.3	7.3	8.8	8.0
Jackson	200.5	199.5	199.9	11.2	13.3	11.9	5.6	6.7	6.0
Missouri	2,615.8	2,645.5	2,674.8	150.1	180.2	163.4	5.7	6.8	6.1
Kansas City	847.3	870.9	862.4	44.0	53.0	46.0	5.2	6.1	5.3
St. Louis LMA	1,267.8	1,275.1	1,275.2	77.6	92.4	82.9	6.1	7.2	6.5
Springfield	129.9	129.1	132.2	5.9	6.8	6.5	4.5	5.3	4.9
Montana	394.9	407.8	397.0	23.3	23.8	23.1	5.9	5.8	5.8
Nebraska	829.6	869.2	854.8	16.8	22.9	21.2	2.0	2.6	2.5
Lincoln	128.9	130.3	130.1	2.1	3.1	2.9	1.6	2.4	2.2
Omaha	338.5	356.1	349.7	9.3	10.9	10.7	2.7	3.1	3.1
Nevada	632.8	646.9	652.2	28.3	33.0	34.7	4.5	5.1	5.3
Las Vegas	391.1	402.1	408.0	18.6	22.7	23.9	4.8	5.6	5.9
Reno	135.5	138.7	138.7	5.2	5.6	6.1	3.9	4.1	4.4
New Hampshire	632.1	642.8	624.6	36.0	45.8	43.1	5.7	7.1	6.9
Manchester	87.6	89.6	87.6	5.4	6.5	6.2	6.2	7.3	7.1
Nashua	98.7	99.4	99.0	6.5	8.1	8.1	6.5	8.1	8.2
Portsmouth-Dover-Rochester	142.9	142.1	138.3	5.7	6.8	6.6	4.0	4.8	4.8
New Jersey ¹	4,041.2	4,075.6	4,018.3	203.3	258.4	241.0	5.0	6.3	6.0
Atlantic City	193.0	199.5	191.5	10.9	13.1	13.0	5.6	6.6	6.8
Bergen-Passaic	702.3	694.6	689.1	31.7	41.7	39.7	4.5	6.0	5.8
Jersey City	276.1	269.2	267.6	19.6	23.2	21.8	7.1	8.6	8.1
Middlesex-Somerset-Hunterdon	586.8	597.3	589.9	23.0	31.6	27.1	3.9	5.3	4.6
Monmouth-Ocean	492.8	516.6	496.1	24.4	29.9	28.5	4.9	5.8	5.7
Newark	946.8	948.3	937.4	52.7	63.7	59.5	5.6	6.7	6.3
Trenton	173.8	172.2	171.1	7.5	9.5	8.7	4.3	5.5	5.1
Vineland-Millville-Bridgeton	61.4	63.0	62.7	4.2	6.0	5.7	6.9	9.5	9.1
New Mexico	698.1	717.0	711.9	40.0	48.8	44.2	5.7	6.8	6.2
Albuquerque	265.7	269.9	270.3	12.5	14.2	13.1	4.7	5.3	4.8
Las Cruces	59.3	58.3	60.4	3.5	4.3	3.8	5.9	7.3	6.3
Santa Fe	71.0	73.3	71.7	2.3	2.5	2.4	3.2	3.4	3.4

See footnotes at end of table.

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

D-1. 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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
New York¹	8,671.5	8,614.0	8,557.3	473.4	621.4	581.9	5.5	7.2	6.8
Albany-Schenectady-Troy	440.6	442.0	432.7	14.7	23.6	24.3	3.3	5.3	5.6
Binghamton	123.0	118.5	118.1	4.4	6.6	6.7	3.6	5.6	5.7
Buffalo	462.0	464.8	458.7	20.6	29.6	29.1	4.5	6.4	6.3
Elmira	44.1	42.4	42.0	2.1	2.5	2.6	4.9	5.9	6.2
Glens Falls	53.6	55.6	51.6	2.6	3.6	3.6	4.9	6.5	7.0
Nassau-Suffolk	1,401.3	1,391.5	1,379.2	57.0	88.7	93.9	4.1	6.4	6.8
New York	4,004.4	3,954.4	3,951.1	287.8	341.5	291.6	7.2	8.6	7.4
New York City ¹	3,333.0	3,279.0	3,292.0	264.0	306.0	254.0	7.9	9.3	7.7
Orange County	135.1	135.9	134.0	6.0	9.2	9.0	4.4	6.8	6.7
Poughkeepsie	129.1	127.9	126.5	3.9	6.3	6.6	3.0	4.9	5.2
Rochester	509.4	508.9	506.2	17.1	23.5	24.3	3.4	4.6	4.8
Syracuse	324.6	324.4	324.3	11.5	18.6	20.6	3.5	5.7	6.3
Utica-Rome	138.2	137.9	135.6	5.1	8.6	8.6	3.7	6.2	6.3
North Carolina¹	3,396.9	3,514.4	3,529.6	110.4	192.4	187.2	3.3	5.5	5.3
Asheville	93.9	97.0	95.8	2.4	5.0	4.3	2.6	5.1	4.5
Charlotte-Gastonia-Rock Hill	648.2	666.8	676.6	19.3	34.2	33.9	3.0	5.1	5.0
Greensboro-Winston-Salem-High Point	516.0	532.2	533.6	15.3	26.6	25.2	3.0	5.0	4.7
Raleigh-Durham	418.1	431.7	434.6	8.5	15.7	16.1	2.0	3.6	3.7
North Dakota	324.5	326.1	317.6	11.5	14.2	11.0	3.5	4.3	3.5
Bismarck	47.5	48.9	47.2	1.6	1.9	1.5	3.3	3.9	3.3
Fargo-Moorhead	88.2	88.8	87.6	2.2	2.4	2.1	2.5	2.7	2.4
Grand Forks	35.3	35.4	35.7	1.3	1.5	1.1	3.8	4.3	3.1
Ohio¹	5,435.9	5,429.1	5,434.7	258.6	327.0	308.7	4.8	6.0	5.7
Akron	335.8	333.5	337.2	14.7	19.8	17.9	4.4	5.9	5.3
Canton	193.6	194.1	193.6	9.8	13.1	12.3	5.1	6.8	6.4
Cincinnati	790.3	800.2	796.9	30.3	42.2	40.6	3.8	5.3	5.1
Cleveland	958.0	955.3	955.0	40.8	51.3	48.5	4.3	5.4	5.1
Columbus	739.5	747.2	746.1	28.4	34.7	32.9	3.8	4.6	4.4
Dayton-Springfield	477.3	471.4	476.6	22.3	26.2	25.3	4.7	5.6	5.3
Toledo	312.9	307.8	311.0	17.5	21.7	20.2	5.6	7.0	6.5
Youngstown-Warren	220.9	219.3	219.5	11.9	14.7	12.7	5.4	6.7	5.8
Oklahoma	1,526.4	1,534.9	1,508.9	79.2	95.8	92.7	5.2	6.2	6.1
Enid	26.9	26.6	27.0	1.2	1.2	1.3	4.4	4.5	4.7
Lawton	48.0	48.6	47.5	2.6	2.9	2.9	5.5	6.0	6.1
Oklahoma City	492.8	496.1	487.0	22.9	27.5	26.2	4.6	5.5	5.4
Tulsa	345.3	349.9	340.5	18.4	21.7	21.2	5.3	6.2	6.2
Oregon	1,511.4	1,546.4	1,526.3	77.8	86.5	82.6	5.1	5.6	5.4
Eugene-Springfield	150.4	149.4	148.4	8.8	8.8	8.7	5.8	5.9	5.9
Medford	73.4	73.9	74.7	4.6	5.7	5.0	6.3	7.7	6.7
Portland	688.6	715.9	706.8	29.6	34.3	33.9	4.3	4.8	4.8
Salem	144.7	149.7	145.8	6.7	7.4	6.9	4.6	5.0	4.8
Pennsylvania¹	5,857.8	5,950.0	5,915.1	296.7	384.3	373.3	5.1	6.5	6.3
Allentown-Bethlehem-Easton	331.9	342.7	339.5	16.5	22.5	21.3	5.0	6.6	6.3
Altoona	61.3	63.0	62.2	4.2	4.7	4.6	6.8	7.5	7.5
Beaver County	59.1	60.0	60.3	4.2	5.8	5.4	7.1	9.7	8.9
Erie	134.3	135.7	136.5	6.6	8.8	9.2	4.9	6.5	6.7
Harrisburg-Lebanon-Carlisle	333.0	339.3	334.8	15.6	17.0	16.1	4.7	5.0	4.8
Johnstown	97.3	101.5	98.6	6.0	8.4	7.9	6.2	8.3	8.0
Lancaster	224.9	229.1	227.3	8.5	11.0	11.2	3.8	4.8	4.9
Philadelphia	2,433.0	2,461.0	2,447.6	115.0	157.4	153.3	4.7	6.4	6.3
Pittsburgh	986.1	1,002.5	998.0	42.9	56.0	53.2	4.3	5.6	5.3
Reading	173.4	175.6	176.0	8.4	10.4	10.1	4.8	5.9	5.7
Scranton-Wilkes-Barre	360.7	370.5	365.2	22.6	29.4	28.4	6.3	7.9	7.8
Sharon	52.1	53.0	51.9	2.4	3.8	3.4	4.7	7.1	6.6
State College	68.0	68.0	69.5	3.3	3.8	3.9	4.9	5.6	5.6
Williamsport	60.1	59.7	59.3	4.5	4.2	4.1	7.4	7.0	6.8
York	222.7	226.0	225.9	10.2	12.3	12.4	4.6	5.5	5.5
Rhode Island	512.2	515.7	510.3	32.7	43.6	47.2	6.4	8.5	9.2
Pawtucket-Woonsocket-Attleboro	164.6	160.2	161.6	12.2	15.3	16.2	7.4	9.6	10.0
Providence	335.5	340.2	337.3	20.4	29.0	31.3	6.1	8.5	9.3
South Carolina	1,723.5	1,755.9	1,743.7	82.8	103.1	96.7	4.8	5.9	5.5
Charleston	238.1	253.4	249.6	8.5	11.8	11.3	3.6	4.7	4.5
Columbia	242.0	251.8	247.8	9.7	11.0	10.2	4.0	4.4	4.1
Greenville-Spartanburg	343.9	349.2	347.6	13.5	17.1	16.0	3.9	4.9	4.6
South Dakota	360.9	360.4	359.8	11.5	13.2	11.7	3.2	3.7	3.2
Rapid City	41.1	41.1	40.8	1.4	1.6	1.8	3.3	3.9	4.3
Sioux Falls	75.5	75.0	75.4	1.7	2.0	2.0	2.3	2.7	2.6

See footnotes at end of table.

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

D-1. 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. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P	Sept. 1990	Aug. 1991	Sept. 1991 ^P
Tennessee	2,409.8	2,416.6	2,420.7	124.9	150.3	151.2	5.2	6.2	6.2
Chattanooga	212.7	213.3	213.5	10.2	12.2	11.9	4.8	5.7	5.6
Johnson City-Kingsport-Bristol	220.5	223.5	224.4	10.2	11.5	12.1	4.6	5.2	5.4
Knoxville	288.6	285.9	286.1	12.4	15.4	15.0	4.3	5.4	5.2
Memphis	479.5	477.2	478.7	22.9	26.6	27.4	4.8	5.6	5.7
Nashville	535.4	540.2	540.9	22.8	26.2	27.1	4.3	4.9	5.0
Texas¹	8,490.7	8,545.2	8,524.8	525.6	540.7	546.6	6.2	6.3	6.4
Ablene	51.3	49.3	50.8	3.3	2.7	3.4	6.4	5.5	6.6
Amarillo	97.1	95.8	95.6	5.0	4.5	4.6	5.1	4.7	4.9
Austin	442.4	436.5	444.9	20.9	21.0	20.9	4.7	4.8	4.7
Beaumont-Port Arthur	167.2	172.8	172.7	12.3	13.2	12.7	7.4	7.6	7.3
Brazoria	87.7	89.7	89.6	5.0	5.0	4.9	5.7	5.5	5.4
Brownsville-Harlingen	104.4	108.7	106.1	12.0	12.9	12.3	11.5	11.9	11.6
Bryan-College Station	62.2	59.7	61.0	2.2	2.0	2.2	3.5	3.3	3.6
Corpus Christi	165.3	170.5	168.5	11.7	13.0	13.0	7.1	7.6	7.7
Dallas	1,440.5	1,448.2	1,443.6	77.5	84.4	86.8	5.4	5.8	6.0
El Paso	252.5	252.8	251.7	27.8	25.5	25.6	11.0	10.1	10.2
Fort Worth-Arlington	738.3	742.7	738.5	38.0	48.0	47.6	5.1	6.5	6.4
Galveston-Texas City	110.5	112.5	110.9	8.1	7.6	7.2	7.3	6.8	6.5
Houston	1,744.9	1,769.4	1,759.4	95.3	99.1	100.8	5.5	5.6	5.7
Killeen-Temple	97.2	97.4	96.8	6.9	6.3	6.5	7.1	6.5	6.7
Laredo	52.9	51.8	51.7	4.9	4.1	4.2	9.4	8.0	8.2
Longview-Marshall	79.8	79.0	78.4	5.7	6.1	6.0	7.2	7.7	7.6
Lubbock	116.4	116.0	115.0	5.8	6.6	6.2	5.0	5.7	5.4
McAllen-Edinburg-Mission	156.9	152.9	154.6	26.8	23.2	24.9	17.1	15.2	16.1
Midland	47.7	48.7	48.3	2.7	2.8	2.6	5.6	5.7	5.4
Odessa	51.2	53.2	53.1	3.0	3.5	3.6	5.9	6.7	6.8
San Angelo	43.9	43.0	43.8	2.5	2.3	2.4	5.7	5.3	5.4
San Antonio	606.6	601.7	602.1	43.3	38.0	37.5	7.1	6.3	6.2
Sherman-Denison	47.4	47.1	47.1	2.5	2.9	2.9	5.2	6.2	6.2
Texarkana	56.7	56.6	56.2	3.5	4.4	4.3	6.2	7.8	7.6
Tyler	74.5	74.0	74.0	4.9	4.6	4.7	6.5	6.2	6.3
Victoria	35.7	36.7	36.8	1.8	1.8	1.8	5.0	4.9	4.8
Waco	93.7	91.8	92.6	5.7	5.9	5.7	6.0	6.5	6.2
Wichita Falls	55.2	55.1	54.8	3.6	3.6	3.5	6.6	6.6	6.4
Utah	808.2	818.9	816.0	31.3	43.0	40.2	3.9	5.2	4.9
Provo-Orem	122.5	126.8	124.7	3.8	5.8	5.6	3.1	4.5	4.5
Salt Lake City-Ogden	520.2	518.2	525.3	19.5	27.2	26.2	3.8	5.2	5.0
Vermont	306.4	308.8	306.2	14.4	16.1	15.4	4.7	5.2	5.0
Burlington	76.9	76.4	77.1	2.7	3.0	2.8	3.5	3.9	3.7
Virginia	3,217.4	3,339.1	3,329.5	142.4	178.1	172.3	4.4	5.3	5.2
Charlottesville	72.4	72.9	74.8	2.3	3.1	2.9	3.1	4.2	3.9
Danville	52.5	53.9	54.1	3.6	4.5	4.1	6.8	8.3	7.5
Lynchburg	75.1	76.5	76.4	3.7	4.2	4.3	5.0	5.5	5.7
Norfolk-Virginia Beach-Newport News	631.3	650.4	644.7	32.4	37.3	36.3	5.1	5.7	5.6
Richmond-Petersburg	464.8	483.9	481.9	20.1	25.2	24.7	4.3	5.2	5.1
Roanoke	125.4	130.7	130.3	4.8	6.3	6.0	3.8	4.8	4.6
Washington	2,452.8	2,479.9	2,480.9	97.1	133.2	133.9	4.0	5.4	5.4
Seattle	1,095.5	1,112.3	1,111.2	35.0	46.7	49.7	3.2	4.2	4.5
West Virginia	772.3	787.0	776.7	71.7	82.3	74.0	9.3	10.5	9.5
Charleston	119.3	121.1	119.8	8.5	9.7	8.8	7.1	8.0	7.3
Huntington-Ashland	130.4	134.7	132.9	8.6	12.6	12.4	6.6	9.3	9.3
Parkersburg-Marietta	72.8	73.7	73.3	5.4	5.4	5.0	7.5	7.3	6.8
Wheeling	70.8	71.8	71.6	3.8	4.6	4.6	5.3	6.4	6.4
Wisconsin	2,615.4	2,643.9	2,600.4	95.9	118.9	125.8	3.7	4.5	4.8
Appleton-Oshkosh-Neenah	176.4	179.7	176.5	6.3	7.1	7.9	3.6	4.0	4.5
Eau Claire	71.3	72.4	72.3	2.7	3.2	3.4	3.8	4.5	4.7
Green Bay	112.9	106.3	112.7	4.1	4.2	5.1	3.7	3.9	4.5
Janesville-Beloit	73.4	76.6	73.0	3.2	7.4	6.4	4.3	9.6	8.8
Kenosha	53.6	54.2	54.8	2.6	2.6	3.2	4.9	4.8	5.8
La Crosse	52.1	51.9	52.1	1.4	1.9	2.4	2.6	3.6	4.5
Madison	231.2	233.8	230.7	5.1	6.3	6.9	2.2	2.7	3.0
Milwaukee	759.8	765.2	755.4	27.8	33.5	35.7	3.7	4.4	4.7
Racine	89.2	92.6	89.7	3.6	5.1	5.0	4.0	5.5	5.6
Sheboygan	58.8	61.3	60.2	2.1	2.7	2.9	3.6	4.4	4.7
Wausau	63.6	66.7	65.1	2.2	3.3	3.2	3.5	5.0	4.9
Wyoming	246.3	247.6	244.7	11.6	9.5	12.1	4.7	3.8	5.0
Casper	31.7	30.8	31.4	1.8	1.5	1.9	5.7	4.8	6.2

¹ Data are obtained directly from the Current Population Survey. See the Explanatory Notes for State and Area Labor Force Data.

^P = preliminary.

NOTE: Data refer to place of residence. Estimates for 1990 have been benchmarked to 1990 Current Population Survey annual averages. Except in the

11 States and 2 areas designated by footnote 1, estimates for 1991 are provisional and will be revised when new benchmark 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 a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, 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. The information is collected by trained interviewers 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 establishment survey is designed to provide industry information on nonfarm wage and salary employment, average weekly hours, average hourly earnings, and average weekly earnings for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are currently based on payroll reports from a sample of over 350,000 establishments employing over 41 million nonfarm wage and salary workers. The data relate to all workers, full or part time, who receive pay during the payroll period which includes the 12th day of the month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

Data from these two sources differ from each other because of differences in definitions and coverage, sources 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 are as follows.

Employment

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

Multiple jobholding. The household survey provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once 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 THE 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 THE 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 whereas these are included in the BLS establishment statistics.

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 the 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 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 of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 16 years of age are not covered in the regular monthly enumerations, and 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 categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 60,000 occupied units are eligible for interview. About 2,600 of these households are visited but interviews are not obtained because the occupants are not at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey 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 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. Members of the Armed Forces stationed in the United States are also included in the employed total.

Each employed person is counted only once. Those who held more than one job 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 the house (painting, repairing, or own home 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. Measurements of mean and median duration are computed from a distribution of single weeks of unemployment.

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

Jobseekers are all unemployed persons who made specific

efforts to find a job sometime during the 4-week period preceding the survey week. Jobseekers do not include those persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing 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 *labor force* also includes members of the Armed Forces stationed in the United States.

The *overall unemployment rate* represents the number unemployed as a percent of the labor force, including members of the Armed Forces stationed in the United States.

The *unemployment rate for all civilian workers* 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 *labor force participation rate* is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. 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 noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. 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 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, and 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 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 3 previous 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 1980 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 government 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—report that 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 non-institutional 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, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding 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 is either self-employed or in the Armed Forces.

Poverty areas are defined as those census tracts in tracted areas, and Minor Civil Division's (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 nonpoor 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. These definitions differ from those used in the 1980 decennial census. 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 urbanized 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 constitutes 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 have been 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: (1) 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. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force. Four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) 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. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) 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.

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

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

Beginning 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 characteristics 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 adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning 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.

Beginning 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 civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appears in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of this publication.

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

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*.

Beginning in January 1983, the occupational and industrial classification systems used in the 1980 census were introduced into the CPS. These systems differ from those developed for the 1970 census, which were used in the CPS from January 1971 through December 1982.

The 1980 census occupational classification system evolved from the Standard Occupational Classification system (SOC). While the CPS occupational data are now comparable with other data sources, the new system is so radically different in concepts and nomenclature from the 1970 system that comparisons of historical data are not possible without major adjustments. For example, the 1980 major group "sales occupations" is substantially larger than the 1970 category "sales workers." Major additions include "cashiers" from "clerical workers" and some self-employed proprietors in retail trade establishments from "managers and administrators, except farm."

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

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

Changes in the sample design

Since the inception of the survey, there have been various changes in the design of the CPS sample. Most of these changes were made in order to improve the efficiency of the sample design and/or to increase the reliability of the sample estimates.

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced, in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia

and designed to provide more reliable annual average estimates for States, was incorporated into the design. In October 1978, a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning 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.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information, providing an opportunity to improve the efficiency of the sample design and increase the reliability for State estimates. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.) A sample reduction of about 4,000 households was implemented in April 1988; they were reinstated during the 8-month period, April-November 1989.

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. 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.

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. Beginning in 1985, almost all sample persons within the same State have the same probability of selection. These estimates are then adjusted for noninterviews, and the ratio 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

Table A. Characteristics of the CPS sample, 1947 to date

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

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

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

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

obtained because of absence, impassable roads, refusals, or unavailability of the respondents for other reasons. This noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by "central city" and "balance of the MSA." Residence categories of non-MSA areas are "urban" and "rural." 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. Since 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 was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. 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 areas and the known race distribution of the State.

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 is performed to further reduce variability of the estimates and to correct 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 an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for eight age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 38 and 24 age-sex groups respectively; the other races category has 4 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. This second-stage adjustment procedure incorporates changes instituted in January 1985 and August 1989. The nature and effect of the 1985 changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population 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.

Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure. 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.

During the period from January 1982 to December 1984, the "inflation-deflation" method was temporarily discontinued in the preparation of the independent national controls used for the age-sex-race groups in the third step of the second-stage ratio estimation procedure. These controls were prepared by carrying forward the 1980 census data after taking account of subsequent aging of the population, births, deaths, and net migration and then subtracting the estimate for the institutional population and Armed Forces. Beginning in January 1985, the "inflation-deflation" method of deriving independent population controls 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, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then deflated to census level 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 since 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 post-censal 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.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent), as well as the sample results for the current month. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

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. Estimates of monthly levels would be more severely affected by the nonsampling error.

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. 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. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated

standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the same sample design, and an estimate and its estimated error were calculated from 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 average result of all possible samples.

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 average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

In order to derive standard errors that would be applicable to a large number of estimates and could be prepared at a moderate cost, a number of approximations are required. First, the standard errors in this volume reflect the sample design and estimation procedures in effect prior to the expansions for State estimates. Thus, these standard errors may slightly overstate the standard errors applicable to the present design. Second, instead of computing an individual standard error for each estimate, generalized sets of standard errors are computed for various types of characteristics. This generalization yields more stable estimates of the standard errors. Consequently, the sets of standard errors provided give an indication of the order of magnitude of the standard error of an estimate rather than the precise standard error.

Tables B and C show approximate standard errors for major employment status characteristics for monthly estimates and for changes for consecutive months. These standard errors are applicable to the level of the estimates in recent months.

Tables D through H provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table I contains factors for use with table H for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the table may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of

Table B. Standard errors for major employment status categories

(in thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force	275	212
Employed	293	224
Unemployed	136	140
Men, 20 years and over:		
Civilian labor force	173	151
Employed	186	163
Unemployed	93	95
Women, 20 years and over:		
Civilian labor force	211	155
Employed	212	160
Unemployed	83	87
Both sexes, 16 to 19 years:		
Civilian labor force	88	94
Employed	92	102
Unemployed	59	66
Black, 16 years and over:		
Civilian labor force	94	73
Employed	104	79
Unemployed	68	71
Men, 20 years and over:		
Civilian labor force	59	51
Employed	64	57
Unemployed	44	47
Women, 20 years and over:		
Civilian labor force	76	50
Employed	76	54
Unemployed	45	48
Both sexes, 16 to 19 years:		
Civilian labor force	36	40
Employed	33	38
Unemployed	30	33

change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956–66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

Standard errors for estimated totals. Tables D and E provide generalized standard errors for monthly totals and for month-to-month change. The figures given in these tables are to be used for the characteristics as indicated.

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 174,000. The 68-percent confidence interval as shown by these data is from 11,826,000 to 12,174,000. Therefore, a conclusion that the average estimate derived from all possible samples

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive-month change		Monthly level	Consecutive-month change
Total (all civilian workers)	0.11	0.12	Occupation—Continued		
Men, 20 years and over .....	.15	.15	Precision production, craft, and repair	0.32	0.36
Women, 20 years and over .....	.16	.17	Machine operators, assemblers, and inspectors .....	.49	.55
Both sexes, 16 to 19 years .....	.67	.81	Transportation and material moving .....	.59	.66
White workers .....	.11	.12	Handlers, equipment cleaners, helpers, and laborers .....	.72	.82
Black workers .....	.51	.54	Farming, forestry, and fishing .....	.68	.76
Married men, spouse present .....	.15	.17	Industry		
Married women, spouse present .....	.19	.21	Nonagricultural private wage and salary workers .....	.12	.13
Full-time workers .....	.12	.12	Mining	1.63	1.86
Part-time workers .....	.34	.42	Construction .....	.65	.75
Unemployed 15 weeks and over .....	.06	.07	Manufacturing .....	.26	.29
			Durable goods .....	.33	.37
Occupation			Nondurable goods .....	.42	.47
Executive, administrative, and managerial .....	.22	.24	Transportation, communications, and public utilities .....	.42	.48
Professional specialty .....	.19	.21	Wholesale and retail trade .....	.27	.30
Technicians and related support .....	.47	.52	Finance and services .....	.20	.22
Sales .....	.29	.33	Government workers .....	.23	.25
Administrative support, including clerical .....	.23	.26	Agricultural wage and salary workers	1.16	1.32
Private household	1.18	1.33			
Protective service .....	.76	.85			
Service, except private household and protective .....	.39	.43			

lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 129,000.

Standard errors for rates and percentages. The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

Tables F and G show generalized standard errors for monthly level and month-to-month change for unemployment rates. Generalized standard errors for estimated monthly percentages and estimated month-to-month change in percentage can be obtained through the use of the standard errors in table H and the factors in table I. First obtain the standard error from table H for the specific percentage and base.

The generalized standard error is then calculated by multiplying the standard error from table H by the appropriate factor from table I. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

Illustration. Assume that in a given month 2.9 percent of a total of 112,440,000 employed persons are employed in agriculture. The standard error on an estimate of 2.9 percent with a base of 112,440,000 is obtained from table H (0.08 percent). The appropriate factor from table I for the numerator of the percentage, agricultural employment, is 1.26. The generalized standard error on the estimated 2.9 percent is then approximately $0.08 \times 1.26 = 0.10$ percentage point.

Standard errors for year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. The approximate standard errors of levels, rates, and percentages involving year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages may be obtained by using table J in conjunction with the other tables. Standard errors for estimates of change are more closely related to the level of the estimate than to the size of the specific change. Thus, to obtain the standard error of an estimate of an average level, rate, or

Table D. Standard errors for estimates of monthly level

(in thousands)

Estimated monthly level	Characteristic ¹								
	Agricultural employment	Unemployment		Labor force data other than agricultural employment and unemployment					
		Total or white	Black	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only
50	15	11	12	12	12	12	12	11	10
100	21	16	17	17	17	17	16	15	14
500	47	36	38	37	37	36	32	34	31
1,000	66	51	53	52	51	50	35	49	43
2,000	93	72	73	74	70	68	-	68	58
4,000	131	101	97	104	92	86	-	95	73
6,000	159	123	110	126	104	92	-	115	76
8,000	182	141	116	145	109	88	-	132	69
10,000	202	156	-	161	108	72	-	145	47
15,000	-	188	-	193	74	-	-	172	-
20,000	-	213	-	219	-	-	-	191	-
30,000	-	-	-	259	-	-	-	215	-
40,000	-	-	-	286	-	-	-	225	-
50,000	-	-	-	306	-	-	-	222	-
60,000	-	-	-	319	-	-	-	206	-
70,000	-	-	-	326	-	-	-	172	-
80,000	-	-	-	327	-	-	-	107	-
100,000	-	-	-	314	-	-	-	-	-
120,000	-	-	-	274	-	-	-	-	-
140,000	-	-	-	195	-	-	-	-	-

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error

of the estimated number of employed persons age 20 to 54 years, use the column for total employed.

Table E. Standard errors for estimates of month-to-month change

(in thousands)

Estimated monthly level	Characteristic ¹							
	Unemployment				Labor force data other than unemployment and agricultural employment			
	Total or white	Both sexes 16 to 19 years, or part-time labor force ²	Black	Black, 16 to 19 years	Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years
50	13	14	13	14	9	9	14	14
100	18	20	19	20	12	12	20	19
500	40	45	41	38	27	27	43	37
1,000	56	63	57	41	39	38	59	39
2,000	78	89	76	-	55	52	80	-
4,000	108	124	95	-	77	68	100	-
6,000	129	150	99	-	93	78	104	-
8,000	144	-	89	-	107	82	94	-
10,000	157	-	58	-	119	81	65	-
15,000	177	-	-	-	143	59	-	-
20,000	184	-	-	-	163	-	-	-
30,000	-	-	-	-	192	-	-	-
40,000	-	-	-	-	213	-	-	-
50,000	-	-	-	-	228	-	-	-
60,000	-	-	-	-	238	-	-	-
70,000	-	-	-	-	244	-	-	-
80,000	-	-	-	-	245	-	-	-
100,000	-	-	-	-	237	-	-	-
120,000	-	-	-	-	212	-	-	-
140,000	-	-	-	-	160	-	-	-

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons reentering

the labor force, persons who left their last job, and persons by duration of unemployment.

percentage, or an estimate of a change in level, rate, or percentage, it is first necessary to find the appropriate estimate of level. For an estimate of an average level, rate, or percentage, find the standard error of this estimate. For an estimate of change in level, rate, or percentage, find the standard error of the average of the two estimates affecting the change. Then, after computing the standard error by treating these estimates as monthly estimates and using the procedures above, multiply this result by a suitable factor from table J to obtain the approximate standard error for the average or change.

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.2 percent, based on a total of 119,865,000 in the civilian labor force, and that a year prior to this the unemployment rate was 7.0 percent, based on a total of 117,834,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.6 percent with a base of 118,850,000, is obtained from table F (0.11 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by 0.11 x 1.40 = 0.15 percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

Standard error of year-to-year change =

$$\sqrt{\left(\frac{\text{Standard error}}{X}\right)^2 + \left(\frac{\text{Standard error}}{Y}\right)^2 - 2(P)\left(\frac{\text{Standard error}}{X}\right)\left(\frac{\text{Standard error}}{Y}\right)}$$

X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are 0.30 for persons (total, white, and black) and 0.35 for families (total, white, and black). The respective values for estimates of Hispanics are 0.45 and 0.55.

Illustration. Assume that in a given quarter the number of women employed as full-time wage and salary workers was 27,000,000 and in the same quarter a year later, their number had increased to 29,000,000. Using linear interpolation in the eighth column of table K, the standard error of an estimate of 27,000,000 is 216,000; for 29,000,000 it is 221,000. Using the above formula, the standard error of the 2,000,000 year-to-year change is:

$$\sqrt{(216,000)^2 + (221,000)^2 - 2(0.30)(216,000)(221,000)},$$

or about 259,000.

Table F. Standard errors for unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.28	3.20	4.98	6.85	8.13	9.09	9.82	10.36	10.75	11.12
100	1.61	2.26	3.52	4.84	5.75	6.43	6.94	7.33	7.60	7.87
500	.72	1.01	1.58	2.16	2.57	2.88	3.11	3.28	3.40	3.52
1,000	.51	.72	1.11	1.53	1.82	2.03	2.20	2.32	2.40	2.49
2,000	.36	.51	.79	1.08	1.29	1.44	1.55	1.64	1.70	1.76
4,000	.25	.36	.56	.77	.91	1.02	1.10	1.16	1.20	1.24
6,000	.21	.29	.45	.62	.74	.83	.90	.95	.98	1.02
10,000	.16	.23	.35	.48	.58	.64	.69	.73	.76	.79
20,000	.11	.16	.25	.34	.41	.45	.49	.52	.54	.56
60,000	.07	.09	.14	.20	.24	.26	.28	.30	.31	.32
100,000	.05	.07	.11	.15	.18	.20	.22	.23	.24	.25
120,000	.05	.07	.10	.14	.17	.19	.20	.21	.22	.23
140,000	.04	.06	.09	.13	.15	.17	.19	.20	.21	.21

Table G. Standard errors for month-to-month change in unemployment rates

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.53	3.57	5.60	7.83	9.47	10.79	11.91	12.87	13.71	15.67
100	1.79	2.52	3.96	5.53	6.69	7.63	8.42	9.10	9.69	11.08
500	.80	1.13	1.77	2.47	2.99	3.41	3.76	4.06	4.33	4.94
1,000	.57	.80	1.25	1.75	2.11	2.41	2.65	2.87	3.05	3.48
2,000	.40	.56	.88	1.23	1.49	1.70	1.87	2.02	2.15	2.44
4,000	.28	.40	.63	.87	1.05	1.20	1.32	1.42	1.51	1.70
6,000	.23	.33	.51	.71	.86	.97	1.07	1.15	1.22	1.37
10,000	.18	.25	.39	.55	.66	.75	.82	.88	.93	1.03
20,000	.13	.18	.28	.38	.46	.51	.56	.60	.62	-
60,000	.07	.10	.16	.21	.24	.27	.28	-	-	-
100,000	.06	.08	.12	.15	.17	.18	-	-	-	-
120,000	.05	.07	.11	.14	.15	-	-	-	-	-
140,000	.05	.07	.10	-	-	-	-	-	-	-

Table H. Standard errors for estimated percentages and month-to-month change in percentages for labor force data

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.34	3.29	5.12	7.05	8.39	9.40	10.18	10.77	11.21	11.75
100	1.65	2.33	3.62	4.99	5.94	6.65	7.20	7.62	7.93	8.31
500	.74	1.04	1.62	2.23	2.65	2.97	3.22	3.41	3.55	3.72
1,000	.52	.74	1.15	1.58	1.88	2.10	2.28	2.41	2.51	2.63
2,000	.37	.52	.81	1.12	1.33	1.49	1.61	1.70	1.77	1.86
4,000	.26	.37	.57	.79	.94	1.05	1.14	1.20	1.25	1.31
6,000	.21	.30	.47	.64	.77	.86	.93	.98	1.02	1.07
10,000	.17	.23	.36	.50	.59	.66	.72	.76	.79	.83
20,000	.12	.16	.26	.35	.42	.47	.51	.54	.56	.59
40,000	.08	.12	.18	.25	.30	.33	.36	.38	.40	.42
60,000	.07	.10	.15	.20	.24	.27	.29	.31	.32	.34
80,000	.06	.08	.13	.18	.21	.24	.25	.27	.28	.29
100,000	.05	.07	.11	.16	.19	.21	.23	.24	.25	.26
120,000	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
140,000	.04	.06	.10	.13	.16	.18	.19	.20	.21	.22
160,000	.04	.06	.09	.12	.15	.17	.18	.19	.20	.21

NOTE: The standard errors in this table must be multiplied by the factors in table I to obtain the approximate standard error for a specific characteristic.

Table I. Factors to be used with table H to compute approximate standard errors for percentages and month-to-month change in percentages

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force	1.26	1.05	Part-time labor force, duration of unemployment, left last job, reentering labor force	1.01	1.21
Part-time labor force	1.26	1.50	All other unemployment characteristics:		
Labor force data other than agricultural employment and unemployment:			Total or white:		
Total	1.00	.74	Total .....	.97	1.08
Men only .....	.93	.84	Both sexes, 16 to 19 years .....	.97	1.21
Women only .....	.86	.75	Black:		
Both sexes, 16 to 19 years	1.00	1.18	Total	1.04	1.13
Part-time labor force	1.00	1.18	Both sexes, 16 to 19 years	1.04	1.24

Table J. Factors to be used with tables D, F, H, and I 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	0.89	0.80	0.72	0.70
Women or teenagers (16 to 19 years)	1.30	.83	.80	.58	.70
Part time	1.40	.74	.80	.46	.70
Labor force data other than agricultural employment and unemployment:					
Total or white	1.30	.88	.88	.67	.70
Black or teenagers (16 to 19 years)	1.30	.82	.88	.57	.70
Part time	1.40	.74	.88	.46	.60
Unemployment:					
Total	1.40	.76	.88	.50	.65
Part time	1.40	.69	.88	.39	.54

Table K. Standard errors for estimates of quarterly levels, to be used with CPS earnings data

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Men			Women		
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	46
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	76	85	79	75	84	84	69	75	69
3,000	83	93	85	82	92	92	71	82	74
5,000	107	119	100	105	117	116	64	105	85
7,500	130	145	107	127	140	138	64	127	88
10,000	149	165	102	144	157	155	-	145	-
15,000	180	198	102	187	183	179	-	173	-
20,000	205	224	-	192	199	193	-	195	-
25,000	226	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	233	201	174	-	242	-
50,000	296	301	-	-	160	100	-	249	-
75,000	331	304	-	-	160	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

Establishment Data (Tables B-1 through C-8)

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

Form BLS 790 provides for entry of data on the total number of full- and part-time workers on the payrolls of nonfarm establishments and, for most industries, employment, payroll, and hours of production and related workers or non-supervisory workers for the pay period which includes the 12th of the month.

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 (SIC) Manual*, Office of Management and Budget. The BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

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 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 (three-digit industries) covering all nonfarm payroll employment in the private sector. The manufacturing diffusion indexes are based on 139 three-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 include working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping, trucking, hauling, maintenance, repair, janitorial, 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 include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices, helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th 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. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc., paid by the employer) are also excluded.

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

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours 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.

Since overtime hours are premium hours by definition, weekly hours and overtime hours do not necessarily move in the same direction from month to month. Such factors as work stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on average hours. Diverse trends at the industry group level also may be caused by a marked change in hours for a 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, or earnings in constant dollars, are calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the establishment statistics are (1) the use of the "link relative" technique, which is a form of ratio estimation; (2) periodic adjustment of employment levels to new benchmarks; and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current-month employment to that of the previous month is computed. This is called a "link relative." The estimates of employment (all employees, including production and non-production workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, bias correction factors are applied to most employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the

sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production or non-supervisory worker data are used to weight the hours and earnings for aggregation into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods in table L, may be a whole industry or

a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with benchmarks (comprehensive counts of employment) for the various nonfarm industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1989 levels. Benchmark adjustments are made annually.

The primary sources of benchmark information are

Table L. Summary of methods for computing industry statistics on employment, hours, and earnings

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

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

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

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

employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonfarm payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1990 benchmark adjustment is shown in table M.

Normally, data for all months since the last benchmark to which the series has been adjusted are subject to revision. Revised data are published as soon as possible after each benchmark revision.

THE SAMPLE

Design

The sampling plan used in the establishment survey is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the average size of establishments. Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a larger percent of total employment is

Table M. Comparison of nonfarm employment benchmarks and estimates for March 1990

(Numbers in thousands)

Industry	Benchmark	Estimate	Difference	
			Level	Percent
Total	109,114	109,343	-229	-0.2
Mining	692	715	-23	-3.3
Construction	4,865	4,906	-41	-.8
Manufacturing	19,160	19,109	51	.3
Transportation and public utilities	5,735	5,750	-15	-.3
Wholesale trade	6,167	6,326	-159	-2.6
Retail trade	19,302	19,361	-59	-.3
Finance, insurance, and real estate	6,681	6,774	-93	-1.4
Services	27,944	27,866	78	.3
Government	18,568	18,536	32	.2

included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small 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 design samples for these industries with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than do establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS establishment survey program, with its emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after the reference period, and, at a somewhat late date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table N shows the latest benchmarks and the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown.

Reliability

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may accumulate over several months. To remove this accumulated error, the estimates are adjusted annually to new benchmarks. In addition to taking account of sampling and

Table N. Employment benchmarks and approximate coverage of BLS employment and payrolls sample, March 1990

Industry	Benchmarks (thousands)	Sample coverage ¹		
		Number of establishments	Employees	
			Number (thousands)	Percent of benchmarks
Total	109,114	289,390	40,714	37
Mining	692	3,314	279	40
Construction	4,865	26,593	963	20
Manufacturing	19,160	52,304	9,236	48
Transportation and public utilities	5,735	214,686	22,370	41
Wholesale trade	6,167	25,029	1,153	19
Retail trade	19,302	57,331	4,214	22
Finance, insurance, and real estate	6,681	21,395	2,110	32
Services	27,944	66,947	6,506	23
Government:				
Federal	3,082	(³)	3,082	100
State	4,386	5,175	3,498	80
Local	11,100	16,616	7,303	66

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

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

³ Total Federal employment counts by agency for use in national estimates are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 6,000 reports covering about 58 percent of employment in Federal establishments.

Table O. Average benchmark revision in employment estimates and relative errors for average weekly hours and average hourly earnings by industry

(In percent)

Industry	Average benchmark revision in employment estimates ¹	Relative error ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private .....	.3	0.1	0.2
Mining	2.6	1.0	1.3
Construction	1.3	.2	.5
Manufacturing .....	.7	.1	.2
Durable goods .....	.6	.1	.3
Nondurable goods .....	.9	.1	.2
Transportation and public utilities .....	.6	.7	.6
Wholesale trade	1.5	.2	.4
Retail trade .....	.5	.2	.4
Finance, insurance, and real estate .....	.6	.2	.4
Services .....	.4	.4	.6
Government ³ .....	.3	-	-

¹ The average percent revision in employment for the 1986-90 benchmarks.

² Relative errors relate to 1982 data.

³ Data for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes

in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for basic estimating cells 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 O and for individual industries with the specified number of employees in table P. 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.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates:

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

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. 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 (based on the most recent benchmark revisions) of differences between final estimates and benchmarks are presented in table P.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table Q presents root-mean-square errors of

Table P. 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 ¹	Relative error ² (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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. 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.

STATISTICS FOR STATES AND AREAS

State and area employment, hours, and earnings data are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan areas. Defini-

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

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-square error of—		Industry	Root-mean-square error of—	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total	77,500	78,300	Nondurable goods—Continued		
Total private	60,600	58,900	Printing and publishing	2,000	1,900
Goods-producing industries	20,700	20,900	Chemicals and allied products ..	2,600	2,800
Mining	3,400	3,000	Petroleum and coal products ...	1,200	1,100
Oil and gas extraction	2,800	2,500	Rubber and misc. plastics		
Construction	12,800	13,600	products	1,600	1,600
General building contractors ..	5,300	5,500	Leather and leather products ..	1,300	1,200
Manufacturing	14,100	14,400	Service-producing industries	70,600	69,600
Durable goods	12,200	11,600	Transportation and public utilities ..	12,800	11,600
Lumber and wood products	2,100	1,900	Transportation	10,500	9,000
Furniture and fixtures	1,500	1,400	Communications and public utilities	5,000	4,500
Stone, clay, and glass products ..	1,400	1,400	Wholesale trade	7,200	6,200
Primary metal industries	3,800	3,300	Durable goods	5,000	4,200
Blast furnaces and basic			Nondurable goods	4,500	3,900
steel products	2,600	2,300	Retail trade	34,300	28,600
Fabricated metal products	2,200	2,100	General merchandise stores	20,700	18,500
Industrial machinery			Food stores	6,300	5,500
and equipment	3,900	3,300	Automotive dealers and		
Electronic and other			service stations	4,200	5,000
electrical equipment	4,100	3,800	Eating and drinking places	8,200	6,400
Transportation equipment	6,800	6,600	Finance, insurance, and real estate ..	7,500	6,400
Motor vehicles and equipment ..	5,700	6,100	Finance	4,300	3,900
Instruments and related products	2,000	2,100	Insurance	3,600	3,100
Miscellaneous manufacturing	1,700	1,600	Real estate	4,000	3,600
Nondurable goods	7,500	7,600	Services	31,300	32,800
Food and kindred products	5,100	4,600	Business services	12,100	11,800
Tobacco products	1,000	900	Health services	8,200	7,900
Textile mill products	1,900	1,700	Government	54,200	48,000
Apparel and other textile			Federal	17,500	14,000
products	3,300	3,300	State	20,700	17,200
Paper and allied products	1,700	1,500	Local	36,300	36,800

NOTE: Errors are based on differences from January 1985 through December 1990. Data used in the computations for several industries are not strictly comparable due to changes in the industrial classification system.

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 nonagricultural 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 work site.

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 consump-

tion 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 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 (202-523-9261).

State and Area Labor Force Data (D table)

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 are derived 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 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, then, 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 nonfarm 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 reflected in the models. For some States, the models include variables which reflect 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, as 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 estimates, to which are added estimates for employment not represented in the CES—agriculture, 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, since 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.

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 rate for the first 6 months of the following year, and a description of the current seasonal adjustment procedure are published in each January issue of *Employment and Earnings*. 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.

Since the early 1980's, the BLS has also used the X-11 ARIMA procedure to seasonally adjust establishment-based employment, hours, and earnings data. The X-11 ARIMA program has been run once each year after benchmarking and seasonal adjustment factors have been projected and published for 12 months ahead (April-March). Beginning in June 1989, with the introduction of the March 1988 benchmarks, the Bureau introduced a modification to 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. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then 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, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and

multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1982 annual average base. For total private, total goods-producing, total private service-producing, and major industry divisions, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1982 annual average base.

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

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

decennial census, however, are removed prior to the 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 overtime 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 1991, new seasonal adjustment factors for May-October 1991, and a description of the current seasonal adjustment procedure appear in the June 1991 issue of *Employment and Earnings*.

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